

## Institute of Food Science & Technology (IFST)

Sl. No.	Name of Sample	Test Parameter	Instruments Name	Fee (Without VAT)	Working Days
1	Artificial Sweetener	Acesulfame potassium/ Acesulfame-K	HPLC	6500	7-10 Working Days
2	Food, Feed, Spices, Additives, Beverages, Suppliments	Acid Insoluble Ash	AOAC	1200	7-10 Working Days
3	Food, Feed, Spices, Additives, Beverages, Suppliments	Acid Soluble Ash	AOAC	1000	7-10 Working Days
4	Any oil, Vegetable Fat, Animal Fat, Ghee, Butter, Margarine	Acid value	AOAC	900	7-10 Working Days
5	Food, Feed, Spices, Additives, Beverages, water, Suppliments	Acidity	AOAC/BDS/ Titrimetric method	1000	7-10 Working Days
6	Vinegar	Acidity (as Acetic acid)	HPLC	6500	7-10 Working Days
7	Hand sanitizer	Activity against Pathogenic organism	ISO/ In-house	7500/organism	7-10 Working Days
8	Food, Feed, Spices, Additives, Beverages, Suppliments	Aflatoxin (B1, B2, G1 & G2)	HPLC	6500	7-10 Working Days
9	Food, Feed, Spices, Additives, Beverages, water, Suppliments	Aflatoxin M1	HPLC-FLD	6500	7-10 Working Days
10	Vinegar	Alcohol (as Ethanol)	In-house	3000	7-10 Working Days
11	Drinks/Juices	Alcohol as ethanol	In-house	2000	7-10 Working Days
12	Food, Feed, Spices, Additives, Beverages, Suppliments	Alcohol Extract	S. Ranganna Method/BDS Method	1000	7-10 Working Days
13	Food, Feed, Spices, Additives, Beverages, Suppliments	Alcoholic Acidity	Titrimetric Method	1000	7-10 Working Days
14	Food, Feed, Spices, Additives, Beverages, Suppliments	Alkaline Phosphatase Activity	UV Spectrophotometry	3000	7-10 Working Days
15	Food, Feed, Spices, Additives, Beverages, water, Suppliments	Alkalinity	AOAC/BDS	1000	7-10 Working Days
16	Food, Feed, Spices, Additives, Beverages, Suppliments	Alpha linolenic acid	GC	7000	7-10 Working Days
17	Any oil, Vegetable Fat, Animal Fat, Ghee, Butter, Margarine	Alpha linolenic acid	GC	6500	7-10 Working Days
18	Any oil, Vegetable Fat, Animal Fat, Ghee, Butter, Margarine	Alpha Tocopherol	HPLC	6500	7-10 Working Days
19	Food, Feed, Spices, Additives, Beverages, Suppliments	Alpha tocopherol (If Fat extraction required)	HPLC	7000	7-10 Working Days
20	Food, Feed, Spices, Additives, Beverages, Suppliments	Alpha-tocopherol/Vitamin E	HPLC	6500	7-10 Working Days
21	Food, Feed, Spices, Additives, Beverages, water, Suppliments	Aluminium (Al)	AAS	2000	7-10 Working Days
22	Synthetic dye (Powder form)	Amaranth Content	Spectrophotometric	2500	7-10 Working Days
23	Food, Feed, Spices, Additives, Beverages, Suppliments	Amino Acids	HPLC	6500	7-10 Working Days
24	Food, Feed, Spices, Additives, Beverages, Suppliments	Ammonium Bicarbonate	Titrimetric Method	1200	7-10 Working Days
25	Food, Feed, Spices, Additives, Beverages, Suppliments	Amylose Test	UV Spectrophotometry	3000	7-10 Working Days

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26	Food, Feed, Spices, Additives, Beverages, water, Suppliments	Anaerobic bacteria	AOAC/BAM/ ISO	2500	7-10 Working Days
27	Any oil, Vegetable Fat, Animal Fat, Ghee, Butter, Margarine	Anisidine value	AOAC	4000	7-10 Working Days
28	Food, Feed, Spices, Additives, Beverages, water, Suppliments	Antibiotics (As per Food Commodity)	HPLC	10000	7-10 Working Days
29	Samples (Organic, Inorganic or others)	Antimicrobial activity	AOAC/BAM/ ISO/ In-house	7500/organism	7-10 Working Days
30	Food, Feed, Spices, Additives, Beverages, Suppliments	Appearance	Physical Method	500	7-10 Working Days
31	Food, Feed, Spices, Additives, Beverages, water, Suppliments	Arsenic (As)	AAS-GF	2000	7-10 Working Days
32	Food, Feed, Spices, Additives, Beverages, Suppliments	Ascorbic Acid/Vitamin C	HPLC	6500	7-10 Working Days
33	Food, Feed, Spices, Additives, Beverages, Suppliments	Ascorbic Acid/Vitamin C	Titrimetric Method	2000	7-10 Working Days
34	Food, Feed, Spices, Additives, Beverages, Suppliments	Ash	AOAC	1200	7-10 Working Days
35	Food, Feed, Spices, Additives, Beverages, Suppliments	Asparaginase Activity	UV Spectrophotometry	6500	7-10 Working Days
36	Artificial Sweetener	Aspartame	HPLC	6500	7-10 Working Days
37	Food, Feed, Spices, Additives, Beverages, water, Suppliments	Aspergillus flavus	AOAC/BAM/ ISO	2500	7-10 Working Days
38	Food, Feed, Spices, Additives, Beverages, water, Suppliments	Bacillus spp. /Bacillus cereus	AOAC/BAM/ ISO	2500	7-10 Working Days
39	Food, Feed, Spices, Additives, Beverages, Suppliments	Benzoic Acid/Sodium Benzoate	HPLC	6500	7-10 Working Days
40	Food, Feed, Spices, Additives, Beverages, Suppliments	Beta Carotene	HPLC	6500	7-10 Working Days
41	Food, Feed, Spices, Additives, Beverages, Suppliments	Beta Carotene	UV Spectrophotometry	4000	7-10 Working Days
42	Food, Feed, Beverages, water, Suppliments	Bifidobacterium spp	AOAC/BAM/ ISO	2500	7-10 Working Days
43	Food, Feed, Spices, Additives, Beverages, water, Suppliments	Bile Tolerant Gram negative bacteria	AOAC/BAM/ ISO	2500	7-10 Working Days
44	Food, Feed, Spices, Additives, Beverages, Suppliments	Biotin/Vitamin B7	HPLC	6500	7-10 Working Days
45	Synthetic dye (Powder form)	Brilliant blue Content	Spectrophotometric	2500	7-10 Working Days
46	Any oil, Vegetable Fat, Animal Fat, Ghee, Butter, Margarine	Butyro Refractive Index	Refractometer	1200	7-10 Working Days
47	Food, Feed, Spices, Additives, Beverages, water, Suppliments	Cadmium (Cd)	AAS	2000	7-10 Working Days
48	Food, Feed, Spices, Additives, Beverages, Suppliments	Caffeine	Extraction & Titration	2000	7-10 Working Days
49	Food, Feed, Spices, Additives, Beverages, Suppliments	Caffeine	HPLC	6500	7-10 Working Days
50	Food, Feed, Spices, Additives, Beverages, water, Suppliments	Calcium (Ca)	AAS/Flame	2000	7-10 Working Days
51	Food, Feed, Spices, Additives, Beverages, water, Suppliments	Campylobacter spp	AOAC/BAM/ ISO	2500	7-10 Working Days
52	Food, Feed, Spices, Additives, Beverages, water, Suppliments	Candida albican	AOAC/BAM/ ISO	2500	7-10 Working Days

53	Food, Feed, Spices, Additives, Beverages, Suppliments	Carbohydrate	By difference	5500	7-10 Working Days
54	Food, Feed, Spices, Additives, Beverages, Suppliments	Carbohydrate (if Protein, Fat, Ash, Moisture seperately analysed)	In House	500	7-10 Working Days
55	Synthetic dye (Powder form)	Carmozine Content	Spectrophotometric	2500	7-10 Working Days
56	Food, Feed, Spices, Additives, Beverages, Suppliments	Cellulase activty	UV Spectrophotometry	6500	7-10 Working Days
57	Food, Feed, Spices, Additives, Beverages, Suppliments	Chloramphenicol	HPLC	5600	7-10 Working Days
58	Food, Feed, Spices, Additives, Beverages, water, Suppliments	Chloride	IC	6500	7-10 Working Days
59	Food, Feed, Spices, Additives, Beverages, water, Suppliments	Chlortetracycline	HPLC	3000	7-10 Working Days
60	Food, Feed, Spices, Additives, Beverages, Suppliments	Cholecalciferol/Vitamin D3	HPLC	6500	7-10 Working Days
61	Food, Feed, Spices, Additives, Beverages, Suppliments	Cholesterol	UV Spectrophotometry	4000	7-10 Working Days
62	Food, Feed, Spices, Additives, Beverages, water, Suppliments	Chromium (Cr)	AAS	2000	7-10 Working Days
63	Food, Feed, Spices, Additives, Beverages, water, Suppliments	Ciprofloxacin	HPLC-PDA	6500	7-10 Working Days
64	Food, Feed, Spices, Additives, Beverages, water, Suppliments	Clostridium spp	AOAC/BAM/ ISO	2500	7-10 Working Days
65	Food, Feed, Spices, Additives, Beverages, Suppliments	Cobalamin/Vitamin B12	HPLC	6500	7-10 Working Days
66	Food, Feed, Spices, Additives, Beverages, Suppliments	Co-enzyme Q10	HPLC	6500	7-10 Working Days
67	Food, Feed, Spices, Additives, Beverages, water, Suppliments	Color	Physical Method	500	7-10 Working Days
68	Food, Feed, Spices, Additives, Beverages, Suppliments	Color (ICUMSA Units)	UV Spectrophotometry	1500	7-10 Working Days
69	Food, Feed, Spices, Additives, Beverages, water, Suppliments	Conductivity	Conductivity Meter	600	7-10 Working Days
70	Food, Feed, Spices, Additives, Beverages, Suppliments	Cooking Time (min,max)	Observation method	700	7-10 Working Days
71	Food, Feed, Spices, Additives, Beverages, water, Suppliments	Copper (Cu)	AAS	2000	7-10 Working Days
72	Food, Feed, Additives, Beverages, water, Suppliments	Cronobacter sakazakii/spp.	AOAC/BAM/ ISO	2500	7-10 Working Days
73	Food, Feed, Spices, Additives, Beverages, Suppliments	Crude Fiber	AOAC	1500	7-10 Working Days
74	Food, Feed, Spices, Additives, Beverages, water, Suppliments	Crystal Violet & Leucocrystal Violet	LC-MS/MS	10000	7-10 Working Days
75	Food, Feed, Spices, Additives, Beverages, Suppliments	Damaged Grains	Physical Method	500	7-10 Working Days
76	Food, Feed, Spices, Additives, Beverages, water, Suppliments	DDT, Heptachlor	GC-MS Method	6500	7-10 Working Days
77	Instant /Fried Noodles	Degree of Gelatinaization	Titrimetric	3000	7-10 Working Days
78	Any oil, Vegetable Fat, Animal Fat, Ghee, Butter, Margarine	Delta tocopherol	HPLC	6500	7-10 Working Days

79	Food, Feed, Spices, Additives, Beverages, Suppliments	Delta tocopherol (If Fat extraction required)	HPLC	7000	7-10 Working Days
80	Food, Feed, Spices, Additives, Beverages, water, Suppliments	Density/Specific Gravity/Relative density	Density meter	700	7-10 Working Days
81	Food, Feed, Spices, Additives, Beverages, Suppliments	Dextrin	Spectrophotometric Method	1500	7-10 Working Days
82	Food, Feed, Spices, Additives, Beverages, Suppliments	Dextrose	HPLC	6500	7-10 Working Days
83	Food, Feed, Spices, Additives, Beverages, Suppliments	Dextrose	Titrimetric/Spectrophotometric	1300	7-10 Working Days
84	Food, Feed, Spices, Additives, Beverages, Suppliments	Dietary Fiber		18000	7-10 Working Days
85	Food, Feed, Spices, Additives, Beverages, Suppliments	Dirt	Visual	700	7-10 Working Days
86	Food, Feed, Spices, Additives, Beverages, Suppliments	Docosahexaenoic acid (DHA)	GC	7000	7-10 Working Days
87	Any oil, Vegetable Fat, Animal Fat, Ghee, Butter, Margarine	Docosahexaenoic acid (DHA)	GC	6500	7-10 Working Days
88	Food, Feed, Spices, Additives, Beverages, Suppliments	Docosahexaenoic(DHA)	HPLC	6500	7-10 Working Days
89	Food, Feed, Spices, Additives, Beverages, water, Suppliments	Doxycycline	HPLC	3000	7-10 Working Days
90	Food, Feed, Spices, Additives, Beverages, Suppliments	Dry matter (DM)	Oven Drying	800	7-10 Working Days
91	Food, Feed, Spices, Additives, Beverages, water, Suppliments	E. coli O157: H7	AOAC/BAM/ ISO	2500	7-10 Working Days
92	Food, Feed, Spices, Additives, Beverages, water, Suppliments	E. coli / Escherichia coli	AOAC/BAM/ ISO	2500	7-10 Working Days
93	Food, Feed, Spices, Additives, Beverages, Suppliments	Eicosapentaenoic acid (EPA)	GC	7000	7-10 Working Days
94	Any oil, Vegetable Fat, Animal Fat, Ghee, Butter, Margarine	Eicosapentaenoic acid (EPA)	GC	6500	7-10 Working Days
95	Food, Feed, Spices, Additives, Beverages, Suppliments	Eicosapentaenoic Acid(EPA)	GC Method	6500	7-10 Working Days
96	Food, Feed, Spices, Additives, Beverages, Suppliments	Energy	By calculation	6000	7-10 Working Days
97	Food, Feed, Spices, Additives, Beverages, Suppliments	Energy	Bomb Calorimeter	1500	7-10 Working Days
98	Food, Feed, Spices, Additives, Beverages, Suppliments	Energy (if Protein, Fat, Ash, Moisture, Carbohydrate seperately analysed)	In House	500	7-10 Working Days
99	Food, Feed, Spices, Additives, Beverages, water, Suppliments	Enterobacteriaceae	AOAC/BAM/ ISO	2500	7-10 Working Days
100	Food, Feed, Spices, Additives, Beverages, water, Suppliments	Enterococci	AOAC/BAM/ ISO	2500	7-10 Working Days
101	Food, Feed, Spices, Additives, Beverages, Suppliments	Erucic acid	GC	7000	7-10 Working Days
102	Any oil, Vegetable Fat, Animal Fat, Ghee, Butter, Margarine	Erucic acid	GC	6500	7-10 Working Days
103	Any oil, Vegetable Fat, Animal Fat, Ghee, Butter, Margarine	Ether insoluble matter	AOAC	500	7-10 Working Days
104	Food, Feed, Spices, Additives, Beverages, Suppliments	Fat	AOAC	1500	7-10 Working Days

105	Food, Feed, Spices, Additives, Beverages, Suppliments	Fatty acid composition	Gas Chromatography	6500	7-10 Working Days
106	Food, Feed, Spices, Additives, Beverages, Suppliments	Fatty acid profile	GC	7000	7-10 Working Days
107	Any oil, Vegetable Fat, Animal Fat, Ghee, Butter, Margarine	Fatty acid profile	GC	6500	7-10 Working Days
108	Food, Feed, Spices, Additives, Beverages, water, Suppliments	Fecal Coliform	AOAC/BAM/ ISO	2500	7-10 Working Days
109	Food, Feed, Spices, Additives, Beverages, water, Suppliments	Fecal Streptococci	AOAC/BAM/ ISO	2500	7-10 Working Days
110	Food, Feed, Spices, Additives, Beverages, Suppliments	Fiber	AOAC	1500	7-10 Working Days
111	Food, Feed, Spices, Additives, Beverages, Suppliments	Fineness/Sieve Mesh Size	AOAC	600	7-10 Working Days
112	Food, Feed, Spices, Additives, Beverages, Suppliments	Firmness/ Compression	Texture Analyzer	500	7-10 Working Days
113	Food, Feed, Spices, Additives, Beverages, Suppliments	Folic Acid/Vitamin B9	HPLC	6500	7-10 Working Days
114	Food, Feed, Spices, Additives, Beverages, Suppliments	Foreign Foods Grain	Physical Method	500	7-10 Working Days
115	Food, Feed, Spices, Additives, Beverages, Suppliments	Formalin/ formaldehyde	Kit method	500	7-10 Working Days
116	Food, Feed, Spices, Additives, Beverages, Suppliments	Formalin/ formaldehyde	HPLC	6500	7-10 Working Days
117	Any oil, Vegetable Fat, Animal Fat, Ghee, Butter, Margarine	Free fatty acid (FFA)	AOAC	800	7-10 Working Days
118	Food, Feed, Spices, Additives, Beverages, Suppliments	Fructose	HPLC	6500	7-10 Working Days
119	Food, Feed, Spices, Additives, Beverages, Suppliments	Fructose	Titrimetric	1500	7-10 Working Days
120	Any oil, Vegetable Fat, Animal Fat, Ghee, Butter, Margarine	Gamma Oryzanol	HPLC	6500	7-10 Working Days
121	Food, Feed, Spices, Additives, Beverages, Suppliments	Gamma Oryzanol	HPLC	7000	7-10 Working Days
122	Any oil, Vegetable Fat, Animal Fat, Ghee, Butter, Margarine	Gamma tocopherol	HPLC	6500	7-10 Working Days
123	Food, Feed, Spices, Additives, Beverages, Suppliments	Gamma tocopherol (If Fat extraction required)	HPLC	7000	7-10 Working Days
124	Food, Feed, Spices, Additives, Beverages, Suppliments	Glucoamylase Activity	UV Spectrophotometry	6500	7-10 Working Days
125	Food, Feed, Spices, Additives, Beverages, Suppliments	Glucose	Titrimetric	1500	7-10 Working Days
126	Food, Feed, Spices, Additives, Beverages, Suppliments	Glucose	HPLC	6500	7-10 Working Days
127	Food, Feed, Spices, Additives, Beverages, Suppliments	Gluten	Gravimetric	1000	7-10 Working Days
128	Food, Feed, Spices, Additives, Beverages, Suppliments	Granularity	Physical Method 600	600	7-10 Working Days
129	Water, Beverages	Hardness	Titrimetric Method	800	7-10 Working Days
130	Food, Feed, Spices, Additives, Beverages, Suppliments	Height	Physical Method	500	7-10 Working Days
131	Food, Feed, Spices, Additives, Beverages, Suppliments	Hydrose	Modified BP Method	1300	7-10 Working Days
132	Honey	Hydroxy-methyl Furfural (HMF)	Spectrophotometric	5000	7-10 Working Days
133	Pathogens/bacteria/yeast/fungus (Biolog identification system)	Identification	Biolog	5000/organism	7-10 Working Days
134	Synthetic dye (Powder form)	Identification of synthetic dye	Raman Spectroscopy	4000	7-10 Working Days
135	Pathogens/bacteria/yeast/fungus	Identification/present/absent	AOAC/BAM/ ISO/In-house	2500/organism	7-10 Working Days

136	Food, Feed, Spices, Additives, Beverages, Suppliments	Immature Kernels	Physical Method	500	7-10 Working Days
137	Any oil, Vegetable Fat, Animal Fat, Ghee, Butter, Margarine	Impurities	AOAC	500	7-10 Working Days
138	Food, Feed, Spices, Additives, Beverages, Suppliments	Inositol	HPLC Method	6500	7-10 Working Days
139	Food, Feed, Spices, Additives, Beverages, Suppliments	Insect Damage Grains	Physical Method	500	7-10 Working Days
140	Food, Feed, Spices, Additives, Beverages, Suppliments	Insoluble impurities	Physical Method	500	7-10 Working Days
141	Food, Feed, Spices, Additives, Beverages, Suppliments	Insoluble Matter in Ether	IUPAC Method (6 edn. p-4)	500	7-10 Working Days
142	Food, Feed, Spices, Additives, Beverages, Suppliments	Invertase/ Sucrase Activity	UV Spectrophotometry	6500	7-10 Working Days
143	Food, Feed, Spices, Additives, Beverages, Suppliments	Iodine as KIO <sub>3</sub>	Titrimetric Method	800	7-10 Working Days
144	Any oil, Vegetable Fat, Animal Fat, Ghee, Butter, Margarine	Iodine value	AOAC	2000	7-10 Working Days
145	Food, Feed, Spices, Additives, Beverages, Suppliments	Iodine Value	Wijs/ Hanus Method	1000	7-10 Working Days
146	Food, Feed, Spices, Additives, Beverages, water, Suppliments	Iron (Fe)	AAS/UV Spectrophotometry	2000	7-10 Working Days
147	Food, Feed, Additives, Suppliments	Lactobacillus spp./ Lactobacillus acidophilus	AOAC/BAM/ ISO	2500	7-10 Working Days
148	Food, Feed, Spices, Additives, Beverages, Suppliments	Lactose	Titrimetric Method	1500	7-10 Working Days
149	Food, Feed, Spices, Additives, Beverages, water, Suppliments	Lead (Pb)	AAS	2000	7-10 Working Days
150	Food, Feed, Spices, Additives, Beverages, water, Suppliments	Lipolytic bacteria	AOAC/BAM/ ISO	2500	7-10 Working Days
151	Food, Feed, Spices, Additives, Beverages, water, Suppliments	Listeria spp./ Listeria monocytogenes	AOAC/BAM/ ISO	2500	7-10 Working Days
152	Food, Feed, Spices, Additives, Beverages, Suppliments	Lycopene	UV Spectrophotometry	4000	7-10 Working Days
153	Food, Feed, Spices, Additives, Beverages, water, Suppliments	Magnansium	AAS	2000	7-10 Working Days
154	Food, Feed, Spices, Additives, Beverages, water, Suppliments	Malachite Green & Leucomalachite Green	LC-MS/MS	10000	7-10 Working Days
155	Food, Feed, Spices, Additives, Beverages, Suppliments	Maltodextrin	UV Spectrophotometric	1300	7-10 Working Days
156	Food, Feed, Spices, Additives, Beverages, water, Suppliments	Manganese	AAS	2000	7-10 Working Days
157	Food, Feed, Spices, Additives, Beverages, Suppliments	Melamine	HPLC	6000	7-10 Working Days
158	Food, Feed, Spices, Additives, Beverages, Suppliments	Melting point	Slip Method	1000	7-10 Working Days
159	Food, Feed, Spices, Additives, Beverages, water, Suppliments	Mercury (Hg)	AAS	2000	7-10 Working Days
160	Food, Feed, Spices, Additives, Beverages, Suppliments	Milk Fat	AOAC	1500	7-10 Working Days
161	Food, Feed, Spices, Additives, Beverages, Suppliments	Milk Solid	By Difference	900	7-10 Working Days
162	Food, Feed, Spices, Additives, Beverages, Suppliments	Moisture	AOAC	800	7-10 Working Days
163	Food, Feed, Spices, Additives, Beverages, Suppliments	Monounsaturated fat	GC	7000	7-10 Working Days

164	Any oil, Vegetable Fat, Animal Fat, Ghee, Butter, Margarine	Monounsaturated fat	GC	6500	7-10 Working Days
165	Food, Feed, Spices, Additives, Beverages, Suppliments	Monounsaturated fatty acid	GC	7000	7-10 Working Days
166	Any oil, Vegetable Fat, Animal Fat, Ghee, Butter, Margarine	Monounsaturated fatty acid	GC	6500	7-10 Working Days
167	Food, Feed, Spices, Additives, Beverages, Suppliments	Net Weight	Balance weight	500	7-10 Working Days
168	Food, Feed, Spices, Additives, Beverages, Suppliments	Niacin/Vitamin B3	HPLC	6500	7-10 Working Days
169	Food, Feed, Spices, Additives, Beverages, water, Suppliments	Nickel (Ni)	AAS	2000	7-10 Working Days
170	Food, Feed, Spices, Additives, Beverages, water, Suppliments	Nitrate	IC	6500	7-10 Working Days
171	Food, Feed, Spices, Additives, Beverages, water, Suppliments	Nitrite	IC	6500	7-10 Working Days
172	Food, Feed, Spices, Additives, Beverages, Suppliments	Nitro Furan Metabolites	LC/MS/MS Q TRAP	6000	7-10 Working Days
173	Food, Feed, Spices, Additives, Beverages, Suppliments	Non-Volatile Ether Extract	AOAC	1000	7-10 Working Days
174	Food, Feed, Spices, Additives, Beverages, Suppliments	NPN (Non protein nitrogen)	AOAC	1500	7-10 Working Days
175	Food, Feed, Spices, Additives, Beverages, Suppliments	Ochratoxin	HPLC	6500	7-10 Working Days
176	Food, Feed, Spices, Additives, Beverages, Suppliments	Ochratoxin A	HPLC	6500	7-10 Working Days
177	Food, Feed, Spices, Additives, Beverages, Suppliments	oil content	AOAC	1500	7-10 Working Days
178	Food, Feed, Spices, Additives, Beverages, Suppliments	Oil/Grease Content of Water	Cold Extraction	1500	7-10 Working Days
179	Food, Feed, Spices, Additives, Beverages, Suppliments	Omega-3 fatty acid	GC	7000	7-10 Working Days
180	Any oil, Vegetable Fat, Animal Fat, Ghee, Butter, Margarine	Omega-3 fatty acid	GC	6500	7-10 Working Days
181	Food, Feed, Spices, Additives, Beverages, Suppliments	Omega-6 fatty acid	GC	7000	7-10 Working Days
182	Any oil, Vegetable Fat, Animal Fat, Ghee, Butter, Margarine	Omega-6 fatty acid	GC	6500	7-10 Working Days
183	Food, Feed, Spices, Additives, Beverages, Suppliments	Omega-9 fatty acid	GC	7000	7-10 Working Days
184	Any oil, Vegetable Fat, Animal Fat, Ghee, Butter, Margarine	Omega-9 fatty acid	GC	6500	7-10 Working Days
185	Food, Feed, Spices, Additives, Beverages, Suppliments	Optical Rotation	Polarimetric Method	1300	7-10 Working Days
186	Microbial load -Air, water and Soil, surface or others	organism	AOAC/BAM/ ISO/In-house	2500/organism	7-10 Working Days
187	Microbial Self Life of product (one time)	organism	AOAC/BAM/ ISO/In-house	2500/organism	as per required
188	Hygine Indicator	organism	AOAC/BAM/ ISO/In-house	2500/organism	7-10 Working Days
189	Food, Feed, Spices, Additives, Beverages, Suppliments	Organoleptic test	Panel test/BDS	2000	7-10 Working Days
190	Food, Feed, Spices, Additives, Beverages, water, Suppliments	Oxytetracycline	HPLC	3000	7-10 Working Days
191	Food, Feed, Spices, Additives, Beverages, Suppliments	Pantothenic Acid/Vitamin B5	HPLC	6500	7-10 Working Days
192	Food, Feed, Spices, Additives, Beverages, Suppliments	Papain activity	UV Spectrophotometry	6500	7-10 Working Days
193	Food, Feed, Spices, Additives, Beverages, Suppliments	Particle Size (Mesh)	Physical Method	600	7-10 Working Days
194	Food, Feed, Spices, Additives, Beverages, Suppliments	pectin	AOAC	1000	7-10 Working Days

195	Food, Feed, Spices, Additives, Beverages, Suppliments	Pectinase Activity	UV Spectrophotometry	6500	7-10 Working Days
196	Food, Feed, Spices, Additives, Beverages, Suppliments	Pepsin Activity	UV Spectrophotometry	6500	7-10 Working Days
197	Any oil, Vegetable Fat, Animal Fat, Ghee, Butter, Margarine	Peroxide value	AOAC	1300	7-10 Working Days
198	Food, Feed, Spices, Additives, Beverages, water, Suppliments	Pesticide Residue Analysis of Organochlorine and Organophosphate		10000	7-10 Working Days
199	Beverages, water	pH	AOAC	500	7-10 Working Days
200	Food, Feed, Spices, Additives, Beverages, water, Suppliments	pH	AOAC	800	7-10 Working Days
201	Food, Feed, Spices, Additives, Beverages, water, Suppliments	Phosphate	IC	6500	7-10 Working Days
202	Food, Feed, Spices, Additives, Beverages, water, Suppliments	Phosphorus (P)	UV Spectrophotometry	2000	7-10 Working Days
203	Food, Feed, Spices, Additives, Beverages, Suppliments	Phylloquinone/Vitamin K1	HPLC	6500	7-10 Working Days
204	Food, Feed, Spices, Additives, Beverages, Suppliments	Phytase Activity	UV Spectrophotometry	6500	7-10 Working Days
205	Food, Feed, Spices, Additives, Beverages, Suppliments	Polarization	Polarimeter	1300	7-10 Working Days
206	Food, Feed, Spices, Additives, Beverages, Suppliments	Polyunsaturated fat	GC	7000	7-10 Working Days
207	Any oil, Vegetable Fat, Animal Fat, Ghee, Butter, Margarine	Polyunsaturated fat	GC	6500	7-10 Working Days
208	Food, Feed, Spices, Additives, Beverages, Suppliments	Polyunsaturated fatty acid	GC	7000	7-10 Working Days
209	Any oil, Vegetable Fat, Animal Fat, Ghee, Butter, Margarine	Polyunsaturated fatty acid	GC	6500	7-10 Working Days
210	Food, Feed, Spices, Additives, Beverages, water, Suppliments	Potassium (K)	AAS/Flame	2000	7-10 Working Days
211	Food, Feed, Spices, Additives, Beverages, Suppliments	Potassium Meta Bisulphite	Titrimetric Method	1300	7-10 Working Days
212	Food, Feed, , Additives, Beverages, Suppliments	Probiotic bacteria	AOAC/BAM/ ISO	2500	7-10 Working Days
213	Food, Feed, Spices, Additives, Beverages, Suppliments	Protease Activity	UV Spectrophotometry	6500	7-10 Working Days
214	Food, Feed, Spices, Additives, Beverages, Suppliments	Protein	MicroKjeldahl Method	1500	7-10 Working Days
215	Food, Feed, Spices, Additives, Beverages, water, Suppliments	Pseudomonas spp.	AOAC/BAM/ ISO	2500	7-10 Working Days
216	Food, Feed, Spices, Additives, Beverages, water, suppliments or others	Psychrotrophic bacteria	AOAC/BAM/ ISO	2500	7-10 Working Days
217	Food, Feed, Spices, Additives, Beverages, Suppliments	Puncture	Texture Analyzer	500	7-10 Working Days
218	Food, Feed, Spices, Additives, Beverages, Suppliments	Pyridoxin/ Vitamin B6	HPLC	6500	7-10 Working Days
219	Food, Feed, Spices, Additives, Beverages, Suppliments	Reducing sugar	AOAC	1500	7-10 Working Days
220	Any oil, Vegetable Fat, Animal Fat, Ghee, Butter, Margarine	Refractive Index	Refractometer	1200	7-10 Working Days
221	Any oil, Vegetable Fat, Animal Fat, Ghee, Butter, Margarine	Relative Density	AOAC	700	7-10 Working Days



222	Baking powder	Residual Carbon dioxide	Titrimetric	2000	7-10 Working Days
223	Food, Feed, Spices, Additives, Beverages, Suppliments	Residual Chlorine in Water	Titrimetric Method	900	7-10 Working Days
224	Food, Feed, Spices, Additives, Beverages, Suppliments	Retinol acetate/ Retinol Palmitate/Vitamin A	HPLC	6500	7-10 Working Days
225	Food, Feed, Spices, Additives, Beverages, Suppliments	Riboflavin/Vitamin B2	HPLC	6500	7-10 Working Days
226	Artificial Sweetener	Saccharin	HPLC	6500	7-10 Working Days
227	Food, Feed, Spices, Additives, Beverages, water, Suppliments	Saccharomyces spp	AOAC/BAM/ ISO	2500	7-10 Working Days
228	Food, Feed, Spices, Additives, Beverages, water, Suppliments	Salmonella spp	AOAC/BAM/ ISO	2500	7-10 Working Days
229	Food, Feed, Spices, Additives, Beverages, Suppliments	Salt as NaCl	AOAC	1500	7-10 Working Days
230	Food, Feed, Spices, Additives, Beverages, water, Suppliments	Sand/silica	AOAC	1500	7-10 Working Days
231	Any oil, Vegetable Fat, Animal Fat, Ghee, Butter, Margarine	Saponification value	AOAC	1300	7-10 Working Days
232	Food, Feed, Spices, Additives, Beverages, Suppliments	Saturated fat	GC	7000	7-10 Working Days
233	Any oil, Vegetable Fat, Animal Fat, Ghee, Butter, Margarine	Saturated fat	GC	6500	7-10 Working Days
234	Food, Feed, Spices, Additives, Beverages, Suppliments	Saturated fatty acid	GC	7000	7-10 Working Days
235	Any oil, Vegetable Fat, Animal Fat, Ghee, Butter, Margarine	Saturated fatty acid	GC	6500	7-10 Working Days
236	Food, Feed, Spices, Additives, Beverages, Suppliments	Shear/ Break	Texture Analyzer	500	7-10 Working Days
237	Food, Feed, Spices, Additives, Beverages, water, Suppliments	Shigella spp.	AOAC/BAM/ ISO	2500	7-10 Working Days
238	Food, Feed, Spices, Additives, Beverages, Suppliments	Silver (Ag)	AAS	2000	7-10 Working Days
239	Food, Feed, Spices, Additives, Beverages, Suppliments	Soap Content	AOAC Method	1500	7-10 Working Days
240	Food, Feed, Spices, Additives, Beverages, water, Suppliments	Sodium (Na)	AAS/Flame	2000	7-10 Working Days
241	Food, Feed, Spices, Additives, Beverages, Suppliments	Sodium Benzoate	Titrimetric Method	2500	7-10 Working Days
242	Food, Feed, Spices, Additives, Beverages, Suppliments	Sodium Bicarbonate	Titrimetric Method	1200	7-10 Working Days
243	Food, Feed, Spices, Additives, Beverages, Suppliments	Sodium Chloride	Titrimetric Method	1500	7-10 Working Days
244	Food, Feed, Spices, Additives, Beverages, Suppliments	Sodium Tripolyphosphate	Spectrophotometric Method	3000	7-10 Working Days
245	Food, Feed, Spices, Additives, Beverages, Suppliments	Solids-Non-Fat (SNF)	AOAC/BDS	1500	7-10 Working Days
246	Food, Feed, Spices, Additives, Beverages, Suppliments	Solubility in cold water	BDS Method	500	7-10 Working Days
247	Food, Feed, Spices, Additives, Beverages, Suppliments	Solubility Index	Physico-Chemical Method	1400	7-10 Working Days
248	Food, Feed, Spices, Additives, Beverages, Suppliments	Solubility Test	Chemical Method	500	7-10 Working Days
249	Vinegar	Soluble Solids	In-house	1200	7-10 Working Days
250	Additives, preservative	Sorbic acid	HPLC	6500	7-10 Working Days
251	Any oil, Vegetable Fat, Animal Fat, Ghee, Butter, Margarine	Specific gravity	AOAC	700	7-10 Working Days

252	Food, Feed, Spices, Additives, Beverages, water, Suppliments	Staphylococcus aureus	AOAC/BAM/ ISO	2500	7-10 Working Days
253	Food, Feed, Spices, Additives, Beverages, Suppliments	Starch	AOAC Method	1500	7-10 Working Days
254	Food, Feed, Spices, Additives, Beverages, Suppliments	Sterility Test	Selective Method	2000	7-10 Working Days
255	Food, Feed, Spices, Additives, Beverages, Suppliments	Stickiness/ Viscosity	Texture Analyzer	500	7-10 Working Days
256	Food, Feed, Spices, Additives, Beverages, Suppliments	Sucrose	HPLC	6500	7-10 Working Days
257	Food, Feed, Spices, Additives, Beverages, Suppliments	Sucrose	Titrimetric Method	1500	7-10 Working Days
258	Food, Feed, Spices, Additives, Beverages, water, Suppliments	Sulphate	IC	6500	7-10 Working Days
259	Food, Feed, Spices, Additives, Beverages, Suppliments	Sulphated Ash	Gravimetric Method	1300	7-10 Working Days
260	Food, Feed, Spices, Additives, Beverages, Suppliments	Sulphur dioxide (SO <sub>2</sub> )	Modified Ripper Titration Method	3000	7-10 Working Days
261	Synthetic dye (Powder form)	Sunset yellow Content	Spectrophotometric	2500	7-10 Working Days
262	Synthetic dye (Powder form)	Tartrazine Content	Spectrophotometric	2500	7-10 Working Days
263	Food, Feed, Spices, Additives, Beverages, water, Suppliments	TDS	Refracto Meter / TDS Meter	1200	7-10 Working Days
264	Food, Feed, Spices, Additives, Beverages, water, Suppliments	Tetracycline	HPLC	3000	7-10 Working Days
265	Food, Feed, Spices, Additives, Beverages, water, Suppliments	Tetracyclines (TC, OTC, CTC)	HPLC	6500	7-10 Working Days
266	Food, Feed, Spices, Additives, Beverages, Suppliments	Thiamin/Vitamin B1	HPLC	6500	7-10 Working Days
267	Food, Feed, Spices, Additives, Beverages, Suppliments	Thickness	Thickness Guage	500	7-10 Working Days
268	Food, Feed, Spices, Additives, Beverages, water, Suppliments	Tin (Sn)	AAS	2000	7-10 Working Days
269	Food, Feed, Spices, Additives, Beverages, water, water, Suppliments	Titratable Acidity	AOAC/BDS	1000	7-10 Working Days
270	Baking powder	Total Carbon dioxide	Titrimetric	2000	7-10 Working Days
271	Food, Feed, Spices, Additives, Beverages, water, Suppliments	Total Coliform	AOAC/BAM/ ISO	2500	7-10 Working Days
272	Water	Total dissolved solid(TDS)	Gravimetric	1200	7-10 Working Days
273	Food, Feed, Spices, Additives, Beverages, water, Suppliments	Total Mesophylic Count/ Total Aerobic Bacteria/ Aerobic Plate Count / Total Viable Count	AOAC/BAM/ ISO	2000	7-10 Working Days
274	Food, Feed, Spices, Additives, Beverages, Suppliments	Total milk solid	BDS Method	1500	7-10 Working Days
275	Food, Feed, Spices, Additives, Beverages, Suppliments	Total Nitrogen	AOAC	1000	7-10 Working Days
276	Any oil, Vegetable Fat, Animal Fat, Ghee, Butter, Margarine	Total Polar compound	AOAC or TPC analyzer	3000	7-10 Working Days
277	Vinegar	Total Solids	In-house	1000	7-10 Working Days

278	Food, Feed, Spices, Additives, Beverages, water, Suppliments	Total Soluble Solid	Refracto Meter / TDS Meter	1000	7-10 Working Days
279	Food, Feed, Spices, Additives, Beverages, Suppliments	Total soluble solid (Brix)	Refracto Meter / TDS Meter	1000	7-10 Working Days
280	Food, Feed, Spices, Additives, Beverages, Suppliments	Total Sugar	AOAC	1500	7-10 Working Days
281	water	Total suspended solid(TDS)	Gravimetric	1200	7-10 Working Days
282	Food, Feed, Spices, Additives, Beverages, Suppliments	Total Volatile Base Nitrogen (TVBN)	AOAC	1500	7-10 Working Days
283	Food, Feed, Spices, Additives, Beverages, Suppliments	Total Volatile Base/ Nitrogen	Conway Micro Diffusion	1500	7-10 Working Days
284	Food, Feed, Spices, Additives, Beverages, water, Suppliments	Total Yeast & Mould count	AOAC/BAM/ ISO	2500	7-10 Working Days
285	Any oil, Vegetable Fat, Animal Fat, Ghee, Butter, Margarine	Totox value	AOAC	5300	7-10 Working Days
286	Food, Feed, Spices, Additives, Beverages, Suppliments	Trans fat	GC	7000	7-10 Working Days
287	Any oil, Vegetable Fat, Animal Fat, Ghee, Butter, Margarine	Trans fat	GC	6500	7-10 Working Days
288	Food, Feed, Spices, Additives, Beverages, Suppliments	Trans fatty acid	GC	7000	7-10 Working Days
289	Any oil, Vegetable Fat, Animal Fat, Ghee, Butter, Margarine	Trans fatty acid	GC	6500	7-10 Working Days
290	Biofertilizer, environmental samples	Trichoderma spp	AOAC/BAM/ ISO	2500	7-10 Working Days
291	Food, Feed, Spices, Additives, Beverages, Suppliments	Triglyceride	Spectrophotometric Method	1300	7-10 Working Days
292	Food, Feed, Spices, Additives, Beverages, Suppliments	Trypsin Activity	UV Spectrophotometry	6500	7-10 Working Days
293	Food, Feed, Spices, Additives, Beverages, Suppliments	Trypsin inhibitor	UV Spectrophotometry	6500	7-10 Working Days
294	Water, Beverages	Turbidity	Chemical/Turbidometer	1300	7-10 Working Days
295	Food, Feed, Spices, Additives, Beverages, Suppliments	Unripe Grains	Physical examination	500	7-10 Working Days
296	Any oil, Vegetable Fat, Animal Fat, Ghee, Butter, Margarine	Unsaponifiable matter	AOAC	1500	7-10 Working Days
297	Food, Feed, Spices, Additives, Beverages, Suppliments	Unsaturated fat	GC	7000	7-10 Working Days
298	Any oil, Vegetable Fat, Animal Fat, Ghee, Butter, Margarine	Unsaturated fat	GC	6500	7-10 Working Days
299	Food, Feed, Spices, Additives, Beverages, Suppliments	Unsaturated fatty acid	GC	7000	7-10 Working Days
300	Any oil, Vegetable Fat, Animal Fat, Ghee, Butter, Margarine	Unsaturated fatty acid	GC	6500	7-10 Working Days
301	Food, Feed, Spices, Additives, Beverages, Suppliments	Urea	UV-Spectrophotometric Method	1300	7-10 Working Days
302	Food, Feed, Spices, Additives, Beverages, water, Suppliments	Vibrio cholerae	AOAC/BAM/ ISO	2500	7-10 Working Days
303	Food, Feed, Spices, Additives, Beverages, water, Suppliments	Vibrio parahaemolyticus	AOAC/BAM/ ISO	2500	7-10 Working Days
304	Food, Feed, Spices, Additives, Beverages, water, Suppliments	Vibrio spp.	AOAC/BAM/ ISO	2500	7-10 Working Days

305	Food, Feed, Spices, Additives, Beverages, water, Suppliments	Viscosity	Viscometer	1300	7-10 Working Days
306	Food, Feed, Spices, Additives, Beverages, Suppliments	Water Activity (Aw)	Water activity meter	1500	7-10 Working Days
307	Food, Feed, Spices, Additives, Beverages, Suppliments	Water Extract	S. Ranganna Method/BDS Method	1000	7-10 Working Days
308	Food, Feed, Spices, Additives, Beverages, Suppliments	Water Insoluble Ash	AOAC	1200	7-10 Working Days
309	Food, Feed, Spices, Additives, Beverages, Suppliments	Water soluble ash	AOAC	1200	7-10 Working Days
310	Food, Feed, Spices, Additives, Beverages, Suppliments	Width	Physical examination	500	7-10 Working Days
311	Food, Feed, Spices, Additives, Beverages, Suppliments	Xylanase Activity	UV Spectrophotometry	6500	7-10 Working Days
312	Food, Feed, Spices, Additives, Beverages, water, Suppliments	Zinc (Zn)	AAS	2000	7-10 Working Days
313	Food, Feed, Spices, Additives, Beverages, Suppliments	$\alpha$ -amylase Activity	UV Spectrophotometry	6500	7-10 Working Days
314	Food, Feed, Spices, Additives, Beverages, Suppliments	$\beta$ -Galactosidase Activity	UV Spectrophotometry	6500	7-10 Working Days

\* Where "-" Indicates 'New parameter and No previous fees'

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<b>BCSIR Laboratories, Dhaka</b>					
<b>SL/No</b>	<b>Name of Sample</b>	<b>Test Parameter</b>	<b>Instruments Name</b>	<b>Fee (Without VAT)</b>	<b>Working Days</b>
1	Jute/Jute Products	Abrasion resistance	In-House (Rubbing Fastness Tester)	2500	5
2	Textile Fabrics	Abrasion resistance	ASTM (Rubbing Fastness Tester)	1500	5
3	Tooth Paste/Tooth Powder	Abrasivity	In-House	2000	10
4	Plastic and Polymer	Acetaldehyde Content	In-House (TG-GC-MS/FT-Raman Spectrometer/ FT-MIR-NIR Spectrometer)	15000	15
5	Hand Sanitizer/Hand Wash/Hand Gel (Dhaka Lab)	Acetone	GC	8000	10
6	Rubber/Rubber Products	Acetone Extract %	Chemical method/ASE/ASTM	4000	5
7	Melamine Tableware	Acid Resistance	In-House	3000	5
8	Plastic and Polymer	Acid Value	Chemical	5000	10
9	Soil/Sediment/River bed Sediment/Bore hole Soil	Acidity	Potentiometric Titrator	2000	10
10	Waste water/Effluent water/Ground water/Industrial water/Surface water/River water/Lake water/Sea water/Bore hole water	Acidity	Potentiometric Titrator	1500	10
11	Liquid detergent/Laundry Soap/Detergent Powder/Liquid soap / Hand wash/Face Wash/Toilet Soap/Bathing Bar/Detergent Powder/Shampoo	Active detergent content	In-House	3000	10
12	Paper and Paper board	Air Resistance	TAPPI	1500	7
13	Paper and Paper board/Paper and Paper board(CBS-1 Paper)	Air resistance (Gurley)	TAPPI	1500	7
14	Rubber/Rubber Products	Alcohol Extract %	Chemical method/ASE/ASTM	4000	5
15	Shampoo	Alcohol insoluble matter	In-House	3000	10
16	Pesticides (Organochlorine) for Soil/Plant/Chemicals/Industrial Raw Materials (Any/Whole)	Aldrin	GC	10000	10
17	Melamine Tableware	Alkali Resistance	In-House	3000	5
18	Paper and Paper board	Alkali solubility (Wood or Nonwood Plant or pulp material)	TAPPI	3000	7
19	Waste water/Effluent water/Ground water/Industrial water/Surface water/River water/Lake water/Sea water/Bore hole water	Alkalinity (Total / Phenolphthalein)	Potentiometric Titrator	1500	10

20	Paper and Paper board	Alpha Cellulose (Wood or Nonwood Plant or pulp material)	TAPPI	4000	7
21	Pesticides (Organochlorine) for Soil/Plant/Chemicals/Industrial Raw Materials (Any/Whole)	alpha-BHC	GC	10000	10
22	Soil/Sediment/River bed Sediment/ Fertilizer/Organic Fertilizer/Plant/vegetables/Bore hole Soil	Aluminium	Atomic Absorption Spectrophotometer	2500	10
23	Waste water/Effluent water/Ground water/Industrial water/Surface water/River water/Lake water/Sea water/Bore hole water	Aluminium	Atomic Absorption Spectrophotometer	2000	10
24	Rubber Latex	Ammonia Content	In-House	3000	5
25	Soil/Sediment/River bed Sediment/ Fertilizer/Organic Fertilizer/Bore hole Soil	Ammonium	Nitrogen Digestion and Distillation Apparatus	2000	10
26	Waste water/Effluent water/Ground water/Industrial water/Surface water/River water/Lake water/Sea water/Bore hole water	Ammonium	Nitrogen Digestion and Distillation Apparatus	1500	10
27	Acid	Ammonium (NH <sub>4</sub> )		2500	10
28	Pharmaceuticals Products/Cosmetics/Herbs/Herbal Products/Organic compounds	Antibacterial property of test sample	Biosafety cabinet, Incubator	3000	10
29	Pharmaceuticals Products/Organic compounds	Antifungal property of test sample	Biosafety cabinet, Incubator	3000	10
30	Cosmetics/Herbs/Herbal Products	Antifungal property of test sample	Biosafety cabinet, Incubator	3000	10
31	Plant extract	Antimicrobial	Biosafety cabinet, Incubator	3000	10
32	Waste water/Effluent water/Ground water/Industrial water/Surface water/River water/Lake water/Sea water/Bore hole water	Antimony	Atomic Absorption Spectrophotometer	2000	10
33	Pharmaceuticals Products/Cosmetics/Herbs/Herbal Products/Organic compounds	Antioxidant property of test sample	UV-Vis spectrophotometer	3000	10
34	Natural Product Extract, Plant Extract, Pure Compound, Ayurvedic product etc	Antioxidant Test (DPPH Method)	UV-Visible Spectrophotometer	3000	10
35	Plant extract	Antioxidant	UV-Vis spectrophotometer	3000	10
36	Plant extract	Antioxidant (DPPH assay)/ Other methods	UV-Visible Spectrophotometer	3000	10
37	Fatty oil	Appearance	In-House	250	7
38	Textile Fabrics	Appearance	ASTM (Light Box)	1500	2
39	Wood adhesive	Appearance	In-House	1000	2
40	Acetic Anhydride	Appearance, Assay of Acetic Anhydride	In-House	7000	10

41	Formalin	Appearance, Assay of formalin	In-House	4000	10
42	Gibberalic acid	Appearance, Assay of gibberalic acid	In-House	6500	10
43	Hydrogen peroxide	Appearance, Assay of Hydrogen peroxide	In-House	3000	10
44	D-trans-allithrin/Esbiothrin/Parmetrin	Appearance, Content of D-trans-allithrin	GC	6500	10
45	Glyphosate	Appearance, content of glyphosate	In-House	6500	10
46	Body Lotion	Appearance, Content of Hydroquinone	HPLC	6500	10
47	Acetic Acid	Appearance, Density, Boiling Point, Odor, Purity	In-House	7000	10
48	Calcium Chloride	Appearance, Density, Identification test, Assay of calcium Chloride	In-House	8000	10
49	Nitric Acid	Appearance, density, identification test, assay of Nitric acid	In-House	5000	10
50	Glycerin	Appearance, glycerin content	In-House	6500	10
51	Mosquito repellent agent/coil	Appearance, Identification test, Solubility, Moisture, IR absorbance, Density, Viscosity	In-House	12000	10
52	Mosquito repellent cream	Appearance, Identification test, Solubility, Moisture, IR absorbance, Density, Viscosity	In-House	8000	10
53	Lotion	Appearance, Moisture content, pH, Total fatty-matter, Non volatile alcohol soluble matter	In-House	8000	10
54	Bleaching Powder	Appearance, Moisture, Assay of Bleaching Powder	In-House	5000	10
55	Diclofenac sodium	Appearance, Moisture, Assay of Ibruprofen	HPLC	6500	10
56	Chalk Powder/Lime Stone	Appearance, Moisture, Bulk density, pH, Identification test, Assay of Calcium Carbonate	In-House	5000	10

57	Lime Lumps	Appearance, Moisture, Carbonate, Chloride, Sulfate, Calcium, Magnesium, Silicon	In-House	6250	10
58	Dolomite	Appearance, Moisture, Density, Identification test, Assay of Calcium carbonate, Magnesium carbonate	In-House	5000	10
59	Capsaicinoids	Appearance, Moisture, Identification test, Assay of capsaicinoids	HPLC	12000	10
60	Hydrochloric acid	Appearance, Odor, Density, Purity	In-House	5500	10
61	Formic acid	Appearance, Odor, Density, Purity, Boiling point	In-House	5500	10
62	Glauber Salts	Appearance, pH, Hardness, odor, moisture, purity	In-House	7000	10
63	Dichloromethane	Appearance, Purity of dichloromethane	GC	6500	10
64	Ethanol/Alcohol	Appearance, Purity of ethanol	GC	6500	10
65	Ethyl acetate	Appearance, Purity of ethyl acetate	GC	6500	10
66	Methanol	Appearance, Purity of Methanol	GC	10000	10
67	n-Butanol	Appearance, Purity of n-Butanol	GC	6500	10
68	n-Hexane	Appearance, Purity of n-Hexane	GC	6500	10
69	Multi Purpose Solution	Appearance, Solubility, Chloride, Sodium, Nitrogen, Boraeion. pH, Carboxylic acid	In-House	3750	10
70	Oxalic acid	Appearance, Solubility, Content of oxalic acid	In-House	6250	10
71	Mono sodium Glutamate	Appearance, Solubility, Moisture, Ash, pH, Melting point, Content of Sodium, FTIR Spectrum	In-House	10000	10
72	Magnesium Oxide	Appearance, solubility, Moisture, Chloride, Carbonate, Sulfate, Content of Magnesium	In-House	6250	10



73	Benzalkonium chloride (Preservative)	Appearance, Solubility, Moisture, Content of Benzalkonium chloride	In-House	3750	10
74	Di-Octyl Phthalate (DOP)	Appearance, Solubility, Moisture, Density, pH, Presence of Phthalate, DOP Quantification, FTIR	In-House	13300	10
75	Aluminum Sulfate Hexadecahydrate	Appearance, Solubility, Moisture, Melting Point, Fe content, Aluminum Sulfate	In-House	8000	10
76	Barium Nitrate	Appearance, Solubility, Moisture, pH, Presence of Barium, Quantitative estimation of Barium nitrate	In-House	15000	10
77	Aluminum Chloride	Appearance, Solubility, Moisture, Presence of Aluminum, Content of Aluminum Oxide	In-House	8000	10
78	Copper Nitrate	Appearance, Solubility, Moisture, Presence of Copper & Nitrate, Quantitative estimation of copper nitrate	In-House	5000	10
79	Ferrous Sulfate	Appearance, Solubility, Moisture, Test of iron & Sulfate	In-House	6500	10
80	Magnesium Oxide	Appearance, Solubility, Moisture, Test of magnesium, Content of Magnesium Oxide	In-House	6250	10
81	Melamine	Appearance, Solubility, pH, Water content, Identification Test, Impurities, Content of melamine in the sample	HPLC	12000	10
82	Aluminum Oxide	Appearance, Solubility, Presence of Aluminum, Content of Aluminum Oxide	In-House	8000	10
83	Aluminum Sulfate	Appearance, Solubility, Presence of Aluminum, Fe content, Content of Aluminum Oxide	In-House	8000	10

84	DCDA (Dicyandiamide)	Appearance, Solubility, Solid content, pH, Density, Water content, DCDA content, Ammonium, FTIR spectrum	In-House	25000	10
85	Wetting chemical	Appearance, Specific gravity, Viscosity, Flash point, pH, Ionic character, Ash content, Moisture, Active matter, Hydrocarbon content, FTIR spectrum	In-House	12000	10
86	Crude salt	Appearance, Total alkalinity, Bulk Density	In-House	3500	10
87	ROCK phosphate	Appearance, Moisture content of P2O5, CaO, SiO2, BPL	In-House	8000	10
88	Sulphuric Acid	Appearance, odor, moisture, density, Purity	In-House	5500	10
89	Potash	Appearance, pH, Moisture, Assay of potash	In-House	5000	10
90	Sodium Dichromate	Appearance, pH, Moisture, solubility, content of sodium dichromate	In-House	6250	10
91	Potassium silicate	Appearance, pH, Solubility, Impurities, Assay of Potassium silicate	In-House	8000	10
92	Wettable sulfur	Appearance, pH, Solubility, moisture, bulk density, Content of Sulfur	In-House	12000	10
93	Sodium Sulfite	Appearance, pH, Solubility, moisture, purity, identification test, assay of sodium sulfite	In-House	5000	10
94	Sodium Sacharin	Appearance, pH, Solubility, moisture, purity, odor	In-House	10500	10
95	Sodium Hydroxide	Appearance, pH, Solubility, odor, purity	In-House	7000	10
96	Sodium Sulfate( Anhydrous/ dyeing salt)	Appearance, pH, Solubility, odor, purity, identification test, assay of sodium sulfate	In-House	7000	10

97	Sulphur	Appearance, Solubility, moisture, Ash, Identification test for sublimed sulphur, precipitated sulphur & colloidal sulphur, Content of sulphur	In-House	17500	10
98	Uncoated calcium carbonate	Appearance, Solubility, Moisture, Content of calcium carbonate, Ash, Presence of sodium stearate & stearic acid, FTIR Spectrum	In-House	12000	10
99	Potassium chlorate	Appearance, Solubility, Qualitative and quantitative tests	In-House	12000	10
100	Soil/Sediment/River bed Sediment/Cream (cosmetic) /Fertilizer/Organic Fertilizer/Plant/vegetables/Bore hole Soil/	Arsenic	Atomic Absorption Spectrophotometer	2500	10
101	Waste water/Effluent water/Ground water/Industrial water/Surface water/River water/Lake water/Sea water/Bore hole water	Arsenic	Atomic Absorption Spectrophotometer	2000	10
102	Mosquito Coil Ingredient (Any)	Asbiothrin	GC	10000	10
103	Paper and Paper board	Ash	TAPPI	2000	7
104	Ball point pen ink/Paper gum/Printer toner/Printing Ink/Wood adhesive/Sodium Alginate/Leather adhesive	Ash	In-House	1000	7
105	Synthetic adhesive/Textile printing ink/Sodium Alginate	Ash	In-House	2000	3
106	Wood adhesive	Ash	ASTM/ AOAC	2000	5
107	Ball point pen ink/Paper gum/Printer toner/Printing Ink/Wood adhesive/Sodium Alginate/Leather adhesive	Ash	In-House	2000	7
108	Paper and Paper board	Ash (Wood or Nonwood Plant or pulp material)	TAPPI	2000	7
109	Carboxy Methyl Cellulose (CMC)/Rubber Latex/Plastic and Polymer	Ash Content	In-House	2000	5
110	Textile Fabrics	Ash Content	ASTM (Muffle Furnace)	2000	3
111	Carboxy Methyl Cellulose (CMC)	Ash Content, Viscosity, Assay of CMC, Molecular Weight, pH, Solubility (package).	In-House	25000	20
112	Activated Carbon	Ash(%)	In-House	1500	7
113	Calcium Carbonate	Ash(%)	In-House	2500	7

114	Adhesive (Natural & Synthetic)	Ash, Total Organic Material, Density, Viscosity, Inorganic Material, Biochemical properties	In-House	18500	15
115	Adhesive (Natural & Synthetic)	Ash, Total Organic Material, Density, Viscosity, Inorganic Material, Biochemical properties (package).	In-House	25000	15
116	Calcium Carbonate	Assay of Calcium	In-House	2500	7
117	Jute/Jute Products	Azo dye analyses	In-House (TG-GC-MS /UPLC/FT-Raman Spectrometer)	15000	15
118	Textile Fabrics	Azo dye analysis	BS EN (TG-GC-MS /UPLC/FT-Raman Spectrometer)	15000	15
119	Pesticides (Organochlorine) for Soil/Plant/Chemicals/Industrial Raw Materials (Any/Whole)	beta -BHC	GC	10000	10
120	Soil/Sediment/River bed Sediment/ Bore hole Soil	Bicarbonate	Potentiometric Titrator	2000	10
121	Waste water/Effluent water/Ground water/Industrial water/Surface water/River water/Lake water/Sea water/Bore hole water	Bicarbonate	Potentiometric Titrator	1500	10
122	Waste water/Effluent water/Ground water/Industrial water/Surface water/River water/Lake water/Sea water/Bore hole water	Biochemical Oxygen Demand (BOD5)	BOD Sensor Set/ BOD TRACK System	2500	10
123	Plastic and Polymer	Biodegradability	In-House (Composting method)	25000	200
124	Plastic and Polymer	Bisphenol-A Content	In-House (UPLC/LC-MS-MS/TG-GC-MS/FT-Raman Spectrometer/ FT-MIR-NIR Spectrometer)	15000	15
125	Synthetic adhesive	Bond strength	In-House	3000	5
126	Soil/Sediment/River bed Sediment/Fertilizer/Organic Fertilizer/Plant/Vegetables/ Bore hole Soil/Waste water/Effluent water/Ground water/Industrial water/Surface water/River water/Lake water/Sea water/Bore hole water	Boron	Atomic Absorption Spectrophotometer	2000	10
127	Paper and Paper board	Breaking Length	TAPPI	1500	7
128	Tube Light/ CFL/ LED	Brightness/Intensity (Lumen/LUX)	Irradiance meter/Solar power meter	2000	5 to 10

129	LED lights/ Tube Bulb (Home & Office lightening/ Industrial)	Brightness/Luminous Flux (lm)	Irradiance meter	10000	5 to 10
130	Soil/Sediment/River bed Sediment/ Bore hole Soil	Bromide	Ion Chromatography System	2000	10
131	Geo Textile	Brusting Strength	In-House	3000	5
132	Paper and Paper board	Bulk	TAPPI	1500	3
133	Paper and Paper board	Burst Factor	TAPPI	1500	7
134	Paper and Paper board	Burst Index	TAPPI	1500	7
135	Paper and Paper board	Burst Strength	TAPPI	1500	7
136	Jute/Jute Products	Bursting strength	In-House (Bursting Strength Tester)	3000	3
137	Textile Fabrics	Bursting strength	D3786/D3786M-13 (Bursting Strength Tester)	3000	3
138	Crude salt	Ca <sup>++</sup>	In-House	2500	7
139	Cream (cosmetic)/Sediment and River bed Sediment/Fertilizer/acid/Soil/Organic Fertilizer/Acid (Phosphoric)/Heavy Metal and Metals in all types of samples (except pure metal)	Cadmium	Atomic Absorption Spectrophotometer (AAS)	2500	7
140	Soil/Sediment/River bed Sediment/Fertilizer/Organic Fertilizer/Plant/Vegetables/ Bore hole Soil/Heavy Metal and Metals in all types of samples (except pure metal)	Cadmium	Atomic Absorption Spectrophotometer	2000	20
141	Waste water/Effluent water/Ground water/Industrial water/Surface water/River water/Lake water/Sea water/Bore hole water/ Soil/Sediment/River bed Sediment/Fertilizer/Organic Fertilizer/Plant/Vegetables/ Bore hole Soil/Heavy Metal and Metals in all types of samples (except pure metal)	Cadmium	Atomic Absorption Spectrophotometer	2000	10
142	Waste water/Effluent water/Ground water/Industrial water/Surface water/River water/Lake water/Sea water/Bore hole water	Calcium	Atomic Absorption Spectrophotometer	1500	10
143	Textile printing ink	Calcium carbonate	In-House	2000	7
144	Rubber/Rubber Products	Carbon %	Chemical method	4000	7
145	Waste water/Effluent water/Ground water/Industrial water/Surface water/River water/Lake water/Sea water/Bore hole water /Soil/Sediment/River bed Sediment/ Bore hole Soil	Carbonate	Potentiometric Titrator	1500	10
146	Jute/Jute Products	Carcinogenic dye analyses	In-House (UPLC/UPLC-MS-MS/FT-Raman Spectrometer)	15000	15

147	Textile Fabrics	Carcinogenic dye analyses	In-House (UPLC/UPLC-MS-MS/FT-Raman Spectrometer)	6000	7
148	Thin film/Foil/wafer	Carrier concentration, Mobility and Resistivity (Van der Pauw)	Home-built Hall effect measurement setup (variable magnetic field: 0.3 – 1.0 Tesla)	2500	5 to 10
149	Soil/Sediment/River bed Sediment/Bore hole Soil	Cation Exchange Capacity	Nitrogen Digestion and Distillation Apparatus	3000	10
150	Jute/Jute Products	Cellulose content	In-House (Chemical method)	3000	5
151	Textile Fabrics	Characterization	In-House	6000	7
152	Geo Textile	Chemical Analysis of Fibre	In-House (Chemical method)	5000	7
153	Laminated board	Chemical Composition	In-House	8000	3
154	Waste water/Effluent water/Ground water/Industrial water/Surface water/River water/Lake water/Sea water/Bore hole water	Chemical Oxygen Demand (COD)	Spectrometer	2500	10
155	Paper and Paper board	Chemical Sensitivity	TAPPI	9000	7
156	Paper and Paper board(CBS-1 Paper)	Chemical sensitivity	TAPPI	9000	7
157	Soil/Sediment/River bed Sediment/Fertilizer/ Bore hole Soil	Chloride	Ion Chromatography System	2000	10
158	Waste water/Effluent water/Ground water/Industrial water/Surface water/River water/Lake water/Sea water/Bore hole water	Chloride	Ion Chromatography System	1500	10
159	Glauber Salts	Chloride as NaCl (Percentage)	In-House	2000	15
160		Chloride content	In-House	1500	10
161		Chlorides	In-House	2000	7
162	Toilet Soap/Bathing Bar/Soap(Laundry)	Chlorides as Sodium Chloride(NaCl)%	In-House	3000	10
163	Baby Toilet Soap	Chlorides,calculated as NaCl	In-House	3500	10
164	Jute/Jute Products/Textile Fabrics	Chlorinated organic carrier	In-House (UPLC/TG-GC-MS/ GC (FID+ECD) with Headspace Sampler /FT-Raman Spectrometer)	15000	15
165	Jute/Jute Products/Textile Fabrics	Chlorinated phenols	In-House (UPLC/ TG-GC-MS/ GC (FID+ECD) /FT-Raman Spectrometer)	15000	15
166	Textile Fabrics	Chlorinated water	ASTM (Titrimetric)	5000	7
167	Rubber/Rubber Products	Chloroform extract	In-House	3000	5

168	Soil/Sediment/River bed Sediment/Fertilizer/Organic Fertilizer/Plant/Vegetables/ Bore hole Soil/Heavy Metal and Metals in all types of samples (except pure metal)	Chromium	Atomic Absorption Spectrophotometer	2000	20
169	Waste water/Effluent water/Ground water/Industrial water/Surface water/River water/Lake water/Sea water/Bore hole water	Chromium	Atomic Absorption Spectrophotometer	2000	10
170	Acid/Cream/Sediment and River bed Sediment/Fertilizer/Soil/Organic Fertilizer/Acid (Phosphoric)/Heavy Metal and Metals in all types of samples (except pure metal)	Chromium (Cr)	In-House	2000	10
171	Crude salt	CO3--	In-House	2500	7
172	Paper and Paper board	Coating	TAPPI	2000	7
173	Waste water/Effluent water/Ground water/Industrial water/Surface water/River water/Lake water/Sea water/Bore hole water/Soil/Sediment/River bed Sediment/Fertilizer/Organic Fertilizer/Plant/vegetables/Bore hole Soil/Heavy Metal and Metals in all types of samples (except pure metal)	Cobalt	Atomic Absorption Spectrophotometer	2000	10
174	Paper and Paper board	Cobb	TAPPI	2000	7
175	Paper and Paper board	Cold water solubility (Wood or Nonwood Plant or pulp material)	TAPPI	3000	7
176		color	In-House	1000	7
177	LED lights/ Bulb (Home & Office lightening)	Color & whole spectrum	Irradiance meter	5000	3 to 7
178	LED lights/ Bulb (Industrial)	Color & whole spectrum	Irradiance meter	10000	5 to 10
179	Liquid sample	Conductivity	Conductivity meter	2000	3 to 7
180	Solid/Powder/Thin film	Conductivity	Home-Built setup with SMU 2450 Source meter	3000	5 to 10
181	1- Naphthalic Acetic Acid	Content of 1-Naphthalic Acid	HPLC	8000	10
182	GA3	Content of GA3	HPLC	8000	10
183	Glyphosate	content of glyphosate	In-House	15000	10
184	Sulphur	Content of sulphur	In-House	5000	10
185	Paint, Varnish, Lacquer & Adhesive products and formulation study	Copolymer analyses	In-House (FT-Raman Spectrometer /Simultaneous Thermal Analyzer (TG-DTA/DSC)/GPC-FIPA-TDA)	15000	15

186	Waste water/Effluent water/Ground water/Industrial water/Surface water/River water/Lake water/Sea water/Bore hole water/Soil/Sediment/River bed Sediment/Fertilizer/Organic Fertilizer/Plant/vegetables/Bore hole Soil/Heavy Metal and Metals in all types of samples (except pure metal)	Copper	Atomic Absorption Spectrophotometer	2000	10
187	Paper and Paper board	Cotton percentage	TAPPI	2000	7
188	Textile Fabrics	Count	In-House (Beta count)	2500	5
189	Henna,Food,Drug & Cosmetic grade dyes & pigments	Curcumin content	HPLC	10000	7
190	Paint, Varnish, Lacquer & Adhesive products and formulation study	Curing study	In-House (Simultaneous Thermal Analyzer (TG-DTA/DSC))	6000	7
191	Battery-Dry cell	Cycle Life	Photo-Electrochemical Workstation (Potentiostat/Galvanostat)	10000	7 to 15
192	Electrode/ Thin film / Metal / Semimetal etc.	Cyclic voltammetry (Electrochemical measurement)	Photo-Electrochemical Workstation (Potentiostat/Galvanostat)	5000	7 to 15
193	Plant extract	Cytotoxicity ( Cell line )	Biosafety cabinet, Incubator, Cell counter, Microscopr	6000	10
194	Dyes & Pigments	Deformulation study	In-House (TG-GC-MS/FT-Raman Spectrometer/ FT-MIR-NIR Spectrometer/Simultaneous Thermal Analyzer (TG-DTA/DSC)/ GPC-FIPA-TDA)	15000	15
195	Mosquito Coil Ingredient (Any)	D-Ellahrin/D-Allathrin	GC	10000	10
196	Pesticides (Organochlorine) for Soil/Plant/Chemicals/Industrial Raw Materials (Any/Whole)	delta-BHC	GC	10000	10
197	Bitumen & related products	Density	In-House	3000	3
198	Synthetic adhesive/Rubber Latex/Plastic and Polymer	Density	In-House	2000	5
199	Body Oil	Density, Peroxide value, Acid value, Iodine value	In-House	8000	10
200	Hair oil	Density, peroxide value, acid value, iodine value, Sap. value	In-House	15000	10



201	Pesticides (Organochlorine) for Soil/Plant/Chemicals/Industrial Raw Materials (Any/Whole)	Dieldrin	GC	10000	10
202	Plastic and Polymer	Dimension	In-House (Thickness gauge/Thickness meter)	1500	2
203	Textile Fabrics	Dimensional stability	ISO (Washing machine)	3000	5
204	Pesticides (Organophosphorus) for Soil/Plant/Chemicals/Industrial Raw Materials (Any/Whole)	Dimethoate	GC	10000	10
205	Jute/Jute Products	Disperse dye analyses	In-House (UPLC/UPLC-MS-MS/FT-Raman Spectrometer)	6000	7
206	Textile Fabrics	Disperse dye analysis	AATCC (UPLC/UPLC-MS-MS/FT-Raman Spectrometer)	6000	7
207	Bitumen & related products	Distillation Residue	In-House	10000	5
208	Pesticides (Organophosphorus) for Soil/Plant/Chemicals/Industrial Raw Materials (Any/Whole)	Disulfoton	GC	10000	10
209	Rubber/Rubber Products/Rubber Latex	Dry Rubber Content (DRC)	In-House (Oven)	2000	5
210	Mosquito Coil Ingredient (Any)	D-Trans Allethrin	GC	10000	10
211	Bitumen & related products	Ductility	In-House	3000	5
212	Ball point pen ink/Printing Ink	Dye	In-House	3000	7
213	Dyes & Pigments	Dye %	In-House (Chemical method/UV-Vis Spectrophotometer / FT-Raman Spectrometer/FT-MIR-NIR)	6000	7
214	Dyes & Pigments	Dye Characterization	In-House (Chemical method/UV-Vis Spectrophotometer / FT-Raman Spectrometer/FT-MIR-NIR )	6000	7
215	Bitumen & related products	Dynamic Viscosity	In-House	5000	7
216	Photo electrode/ Solar cell	Efficiency / IPCE / External quantum efficiency etc.	Photo-Electrochemical Workstation (Potentiostat/Galvanostat)	10000	7 to 15
217	LED/ Tube light / CFL bulb etc.	Electrical testing Voltage (V), Current (A), Power (W) etc.	Keithley SMU 2450 source meter	10000	5 to 10

218	Electrode/ Thin film / Metal / Semimetal etc.	Electrochemical Impedance spectroscopy (10 $\mu$ Hz – 1 MHz) Nyquist/Bode plot	Photo-Electrochemical Workstation (Potentiostat/Galvanostat)	5000	7 to 15
219	Electrode/ Thin film / Metal / Semimetal etc.	Electrochemical measure with Potentiostat / Galvanostat	Photo-Electrochemical Workstation (Potentiostat/Galvanostat)	5000	7 to 15
220	Rubber/Rubber Products	Elongation %	In-House (Universal Testing Machine)	3000	5
221	Plastic and Polymer	End group analysis	In-House	5000	5
222	Pesticides (Organochlorine) for Soil/Plant/Chemicals/Industrial Raw Materials (Any/Whole)	Endosulfan I	GC	10000	10
223	Pesticides (Organochlorine) for Soil/Plant/Chemicals/Industrial Raw Materials (Any/Whole)	Endosulfan II	GC	10000	10
224	Pesticides (Organochlorine) for Soil/Plant/Chemicals/Industrial Raw Materials (Any/Whole)	Endosulfan Sulphate	GC	10000	10
225	Pesticides (Organochlorine) for Soil/Plant/Chemicals/Industrial Raw Materials (Any/Whole)	Endrin	GC	10000	10
226	Pesticides (Organochlorine) for Soil/Plant/Chemicals/Industrial Raw Materials (Any/Whole)	Endrin aldehyde	GC	10000	10
227	Olive Oil /Coconut Oil	Ester Value	In-House	3500	10
228	Hand Sanitizer/Hand Wash/Hand Gel (Dhaka Lab)	Ethanol / Ethyl alcohol	GC	8000	10
229	Paper and Paper board	Extractive (Wood or Nonwood Plant or pulp material)	TAPPI	3000	7
230	Paper and Paper board	Extractive, Lignin, Alpha cellulose, Hemi cellulose, Ash (Wood or Nonwood Plant or pulp material).	TAPPI	15000	14
231	Paper and Paper board	Fiber analysis	TAPPI	2000	7
232	Paper and Paper board	Fiber Quality Analysis	TAPPI	5000	7
233	Textile Fabrics	Fibre Composition	In-House (Chemical method)	3000	3

234	Textile Fabrics	Fibre Composition (Multiple component)	In-House (FT-MIR-NIR Spectrometer with diamond ATR & NIRA Accessories/FT-Raman Spectrometer)	8000	7
235	Textile Fabrics	Fibre Composition (Single component)	In-House (FT-MIR-NIR Spectrometer with diamond ATR & NIRA Accessories)	6000	7
236	Jute/Jute Products	Fibre Identification	In house	6000	5
237	Textile Fabrics	Fibre Identification	In-House (FT-MIR-NIR Spectrometer with diamond ATR & NIRA Accessories)	4000	7
238	Textile Fabrics	Fibre Identification	In-House (Chemical method)	3000	7
239	Geo Textile	Fibre Identification & Composition	In-House ( FT-Raman Spectrometer/FT-MIR-NIR )	3000	5
240	Thin film	Film Thickness	In-house Gravimetric method	2000	5 to 10
241	Thin film	Film Thickness	Scanning Electron Microscope (SEM)	3000	5 to 10
242	Tooth powder	Fineness (particle retained on 75/150 micron BDS sieve,%)	In-House	3000	10
243		Fineness (particle retained on 75/150 micron BDS sieve,%)	In-House	3000	10
244	Plastic and Polymer	Flame Retardants	In-House (GPC-FIPA-TDA)	10000	7
245	Plastic and Polymer	Flame Retardants	In-House (UPLC/UPLC-MS-MS)	5000	7
246	Jute/Jute Products	Flammability	In-House (45o Flammability Tester)	3000	5
247	Textile Fabrics	Flammability	ASTM (45o Flammability Tester)	2000	3
248	Ethanol/Alcohol	Flash point	In-House	2500	10
249	Bitumen & related products	Flash Point	In-House	2000	3
250	Waste water/Effluent water/Ground water/Industrial water/Surface water/River water/Lake water/Sea water/Bore hole water	Fluoride	Ion Chromatography System	1500	10
251	Soil/Sediment/River bed Sediment/Bore hole Soil	Fluride	Ion Chromatgraphy System	1500	10
252	Face Wash/Shampoo/Shaving foam/Liquid soap / Hand wash	Foam height	In-House	1500	10

253	Liquid detergent/Laundry Soap/Detergent Powder	Foam height	In-House	2000	7
254	Liquid detergent/Laundry Soap/Detergent Powder	Foam height (1 % solution)	In-House	2000	10
255	Soap(Laundry)	Foam height(1% solution)	In-House	1500	10
256		Foaming power	In-House	2000	10
257	Jute/Jute Products	Formaldehyde content	In-House (UV-VIS Spectrophotometer)	5000	7
258	Textile Fabrics	Formaldehyde content	ASTM (UV-VIS Spectrophotometer)	3000	5
259	Soap(Laundry)/Toilet Soap/Bathing Bar	Free carbonated alkali % by mass	In-House	3000	10
260	Soap(Laundry)	Free Caustic alkali(NaOH) %by mass	In-House	3000	10
261	Baby Toilet Soap	Free caustic alkali,calculated as Na <sub>2</sub> O	In-House	3000	10
262		Free fatty acid	In-House	2000	7
263	Liquid detergent/Laundry Soap/Detergent Powder	Freedom from cracking	In-House	2000	10
264	Detergent Powder/Soap(Laundry)/Liquid detergent/Laundry Soap/Detergent Powder/Liquid soap / Hand wash/Baby Toilet Soap	Freedom from grittiness	In-House	2000	7
265	Baby Toilet Soap	Freedom from rosin	In-House	3000	10
266	Fibre/Sodium Alginate/Knitting Oil/Lubricating Oil	FT-IR	FT-IR	6000	10
267	Sodium Alginate	FTIR spectrum	In-House	3000	5
268	FT-IR sample	Functional group test	In-House	3000	7
269	FT-IR sample	Functional group test	In-House	3000	7
270	Pesticides (Organochlorine) for Soil/Plant/Chemicals/Industrial Raw Materials (Any/Whole)	gamma-BHC	GC	10000	10
271	Paper and Paper board	Gloss	TAPPI	2000	7
272	Hand Sanitizer/Hand Wash/Hand Gel (Dhaka Lab)	Glycerine / Glycerol	GC	8000	10
273	Rubber/Rubber Products	Gradation	In-House(Physical & Chemical method)	15000	15
274	Paper and Paper board/Paper and Paper board(CBS-1 Paper)	GSM	TAPPI	1500	7
275	Textile Fabrics	GSM	In-House (GSM Cutter & Balance)	2000	3
276	Paper and Paper board(Cigarette paper)	GSM, ash, strength, thermal test, burning test, fiber analysis	TAPPI	15000	10
277	Rubber/Rubber Products	Hardness	In-House (Durometer)	2000	5
278	Melamine Tableware	Heat resistance	In-House	3000	5

279	Paper and Paper board	Hemi cellulose (Wood or Nonwood Plant or pulp material)	TAPPI	3000	7
280	Paper and Paper board	Hemi cellulose content	TAPPI	2500	7
281	Jute/Jute Products	Hemi cellulose content	In-House (Chemical method)	3000	5
282	Pesticides (Organochlorine) for Soil/Plant/Chemicals/Industrial Raw Materials (Any/Whole)	Heptachlor	GC	10000	10
283	Pesticides (Organochlorine) for Soil/Plant/Chemicals/Industrial Raw Materials (Any/Whole)	Heptachlor epoxide	GC	10000	10
284	Hand Sanitizer/Hand Wash/Hand Gel	Hexane	GC	8000	10
285	Paper and Paper board	High Weight Strength/High Strength	TAPPI	1500	7
286	Paper and Paper board	Hot water solubility (Wood or Nonwood Plant or pulp material)	TAPPI	4000	7
287	Different samples of Pharmaceuticals	HPLC Assay	In-House	5000	10
288	Wood adhesive	Hydrocarbon	ASTM	5000	5
289	Rubber Latex	Hydrocarbon content	In-House	10000	10
290	Textile printing ink	Hydrocarbon solvent	In-House	5000	3
291	Hand Sanitizer/Hand Wash/Hand Gel	Hydrogen peroxide	GC	8000	10
292	Thin film/ pellet/ any surface etc.	Hydrophobicity/ Hydrophilicity of sample. (WCA in deg.) Multiple measurements with time at three different spots / location of the sample	Contact Angle Goniometer	15000	7 to 15
293	Thin film/ pellet/ any surface etc.	Hydrophobicity/ Hydrophilicity of sample. (WCA in deg.) Single measurement at three different position of the sample	Contact Angle Goniometer	5000	5 to 10
294	Cream (cosmetic)	Hydroquinone Content	HPLC	8000	10
295	Wood adhesive	Identificaion	FT-MIR-NIR Spectrometer	3000	5
296	Dyes & Pigments	Identification	In-House (Chemical method/FT-Raman Spectrometer)	25000	7
297	Resinous products (Natural & synthetic resins and their formulation study)	Identification	In-House (Chemical method/ FT-MIR-NIR Spectrometer with ATR Accessory)	15000	15

298	Paint, Varnish, Lacquer & Adhesive products and formulation study	Identification	In-House (Chemical method/FT-Raman)	6000	15
299	Paint, Varnish, Lacquer & Adhesive products and formulation study	Identification	In-House (Oven/Simultaneous)	6000	7
300	Paint, Varnish, Lacquer & Adhesive products and formulation study	Identification	In-House (Thermal Analyzer (TG-DTA/DSC))	6000	5
301	Plastic and Polymer	Identification	In-House (Chemical method/ FT-MIR-NIR Spectrometer with ATR Accessory)	5000	7
302	Plastic and Polymer	Identification	Chemical method	5000	5
303	Paint, Varnish, Lacquer & Adhesive products and formulation study	Identification	In-House (Chemical method/ FT-MIR-NIR Spectrometer with ATR Accessory)	3000	3
304	Plastic and Polymer	Identification	In-House (FT-MIR-NIR/FT-Raman Spectrometer)	3000	5
305	Rubber/Rubber Products	Identification	In-House (FT-Raman/FT-MIR-NIR Spectrometer with diamond ATR Accessory)	3000	5
306	Plastic and Polymer	Identification	Digital Melting point Apparatus	1500	2
307	Textile Fabrics	Identification of dyes	Chemical method	3000	5
308	Pharmaceuticals Products	Identification of test sample, potency/assay of test sample	HPLC	6000	10
309	Acetic Anhydride/Acetone /Petroleum ether/Dichloromethane/Ethanol/Alcohol/Ethyl acetate/Chloroform/Methanol/n-Butanol/Chloroform/n-Hexane/Textile Fabrics/Geo-Textile	Identification Test	FT-IR	3000	7
310	Uptan	Identification Test	In-House	20000	10
311	Tooth powder/Tooth Paste/Tooth Powder	Identification test of Calcium	In-House	1000	7
312	Tooth powder/Tooth Paste/Tooth Powder	Identification test of carbonate	In-House	1000	7
313	Electrode/ Thin film / Metal / Semimetal etc.	Impedance Analysis (40 Hz – 110 MHz)	Impedance Analyzer	4000	5 to 10
314	Paper and Paper board	Ink Absorbency	TAPPI	1500	7
315	Coconut Oil	Insoluble Impurities content	In-House	2000	10
316	Shampoo (Dhaka Lab)	Insoluble matter in water	In-House	3000	10

317	Semiconductor Electrode / Photo electrode/ Solar cell	Intensity modulated measurement IMPS	Photo-Electrochemical Workstation (Potentiostat/Galvanostat)	10000	7 to 15
318	Semiconductor Electrode / Photo electrode/ Solar cell	Intensity modulated measurement IMVS	Photo-Electrochemical Workstation (Potentiostat/Galvanostat)	10000	7 to 15
319	Battery-Dry cell	Internal Resistance/Ohmic test	Photo-Electrochemical Workstation (Potentiostat/Galvanostat)	2500	7 to 15
320	Activated Carbon	Iodine Value	In-House	4000	7
321	Coconut Oil	Iodine value	In-House	3000	10
322	Soil/Sediment/River bed Sediment/Fertilizer/Organic Fertilizer/Plant/vegetables/Bore hole Soil/Heavy Metal and Metals in all types of samples (except pure metal)	Iron	Atomic Absorption Spectrophotometer	2000	10
323	Waste water/Effluent water/Ground water/Industrial water/Surface water/River water/Lake water/Sea water/Bore hole water	Iron	Atomic Absorption Spectrophotometer	1500	10
324		Iron content	In-House	1500	10
325	Paper and Paper board	ISO Brightness	TAPPI	2000	7
326	Hand Sanitizer/Hand Wash/Hand Gel (Dhaka Lab)	Isopropyl alcohol	GC	8000	10
327	Solar Cell parameters with single wavelength	IV curve, Fill Factor, Open circuit voltage, Short circuit current, efficiency	1. Home-Built setup with SMU 2450 Source meter 2. Ossila Solar Cell I-V Test System	3000	7 to 15
328	Paper and Paper board	Kappa Number (Pulp)	TAPPI	4000	7
329	Plastic and Polymer	K-Value(PVC)	In-House (Microviscometer)	10000	15
330	Henna,Food,Drug & Cosmetic grade dyes & pigments	Lawson content	HPLC	10000	7
331	Soil/Sediment/River bed Sediment/Fertilizer/Organic Fertilizer/Plant/vegetables/Bore hole Soil/Heavy Metal and Metals in all types of samples (except pure metal)	lead	Atomic Absorption Spectrophotometer	2000	10
332	Waste water/Effluent water/Ground water/Industrial water/Surface water/River water/Lake water/Sea water/Bore hole water	Lead	Atomic Absorption Spectrophotometer	2000	10
333		Leather, in ml	In-House	1500	10
334	Textile Fabrics	Light fastness	ASTM (Light Fastness Tester)	3000	5
335	Paper and Paper board	Lignin (Wood or Nonwood Plant or pulp material)	TAPPI	4000	7

336	Paper and Paper board	Lignin Content	TAPPI	2500	7
337	Jute/Jute Products	Lignin content as Klason Lignin	In-House (Chemical method)	3000	5
338	Paper and Paper board	Lint & Dust	TAPPI	1500	7
339	Battery-Dry cell	Load Test	Photo-Electrochemical Workstation (Potentiostat/Galvanostat)	2500	7 to 15
340	Soil/Sediment/River bed Sediment/Fertilizer/Organic Fertilizer/Plant/vegetables/Bore hole Soil/Heavy Metal and Metals in all types of samples (except pure metal)	Magnansium	Atomic Absorption Spectrophotometer	2000	10
341	Waste water/Effluent water/Ground water/Industrial water/Surface water/River water/Lake water/Sea water/Bore hole water	Magnesium	Atomic Absorption Spectrophotometer	2000	10
342	Waste water/Effluent water/Ground water/Industrial water/Surface water/River water/Lake water/Sea water/Bore hole water/Soil/Sediment/River bed Sediment/Fertilizer/Organic Fertilizer/Plant/vegetables/Bore hole Soil/Heavy Metal and Metals in all types of samples (except pure metal)	Manganese	Atomic Absorption Spectrophotometer	2000	10
343	Geo Textile	Mas per Unit Area	In-House	1000	5
344		Matter in insoluble in alcohol %by mass	In-House	3000	10
345		Matter in soluble in alcohol %by mass	In-House	3000	10
346	Baby Toilet Soap	Matter insoluble in ethanol	In-House	3000	10
347		Matter insoluble in water	In-House	1500	7
348	Detergent Powder	Matter invsoluble in water % by mass	In-House	2000	10
349	Liquid detergent/Laundry Soap/Detergent Powder	Matter invsoluble in water % by mass	In-House	2500	10
350		Melting point	In-House	2000	7
351	Coconut Oil/Coconut Oil	Melting point	In-House	2500	10
352	Plastic and Polymer	Melting point	In-House	2000	5
353	Tooth Paste/Tooth Powder	Menthol Content	In-House	3000	10
354	Waste water/Effluent water/Ground water/Industrial water/Surface water/River water/Lake water/Sea water/Bore hole water	Mercury	Atomic Absorption Spectrophotometer	2500	10
355	Hand Sanitizer/Hand Wash/Hand Gel (Dhaka Lab)	Methanol / Methyl alcohol	GC	8000	10



356	Pesticides (Organochlorine) for Soil/Plant/Chemicals/Industrial Raw Materials (Any/Whole)	methoxychlor	GC	10000	10
357	Pesticides (Organophosphorus) for Soil/Plant/Chemicals/Industrial Raw Materials (Any/Whole)	Methyl parathion	GC	10000	10
358	Mosquito Coil Ingredient (Any)	Metofluthrin	GC	10000	10
359	Crude salt	Mg <sup>++</sup>	In-House	2500	7
360	Voltage (Direct/Alternating)	micro volt-1000V	In-House	1000	10
361	Melamine Tableware	Microwave Resistance	In-House	3000	5
362	Paper and Paper board	Moisture	TAPPI	2000	7
363	Ball point pen ink/Paper gum/Chlorpropham/Coating Oil/Printer toner/Prinring Ink/Creosote oil/Crude salt/Glyphosate/Sodium Alginate/Knitting Oil/Textile printing ink/Wood adhesive/Lubricating Oil	Moisture	In-House	500	4
364	Acetic Anhydride/Acetone /Dichloromethane/petroleum ether/Chloroform/Ethanol/Alcohol/Fertilizer/Methanol/n-Butanol/n-Hexane/Synthetic Adhesive/Ethyl acetate	Moisture	In-House	2500	7
365	Calcium Carbonate/Leather adhesive/Organic Fertilizer/Activated Carbon	Moisture	GC	1000	7
366	Soil/Sediment/River bed Sediment/Fertilizer/Organic Fertilizer/Bore hole Soil	Moisture	Moisture Analyzer	800	10
367	Synthetic adhesive/Sodium Alginate	Moisture	In-House	1500	5
368	Textile printing ink	Moisture	In-House (Oven)	1500	3
369	Wood adhesive	Moisture	ASTM	1500	3
370	Paper and Paper board	Moisture (Wood or Nonwood Plant or pulp material)	TAPPI	2000	7
371	Baby Toilet Soap	Moisture and volatile matter	In-House	2500	10
372	Cosmetics-After shave gel/Cream (cosmetic)/Detergent Powder/Shampoo/Face Wash/Toilet Soap/Bathing Bar/Textile chemicals/Liquid detergent/Laundry Soap/Detergent Powder/Textile Fabrics/Geo-Textile/Liquid soap / Hand wash/Coconut Oil	Moisture content	In-House	1000	5
373	Textile Fabrics	Moisture content	ASTM/ISO (Potentiometric Titrator/ Karl-fisher Autotitrator)	3000	3
374	Textile Fabrics	Moisture content	ASTM (Moisture Analyzer)	1500	2
375	Textile Fabrics	Moisture content	ASTM (Oven)	1500	3

376	Pharmaceuticals Products/Herbs/Herbal Products/Organic compounds	Moisture content of sample/LOD Dretermination	Moisture analyser	1500	10
377	Polyaluminium Chloride (PAC)	Moisture Content, Ash Content , Dynamic Viscosity, Density, FT-IR Analysis (Package)	In-House	25000	20
378	Polyacryl Amide (PAM)	Moisture Content, Ash Content , Dynamic Viscosity, Density, FT-IR Analysis, Intrinsic viscosity (Package)	In-House	25000	20
379	Jute/Jute Products	Moisture regain	In-House (Potentiometric Titrator/ Karl-fisher Autotitrator)	3000	7
380	Jute/Jute Products	Moisture regain	In-House (Oven/Moisture Analyzer)	1500	3
381	Spot Remover Chemical (Textile)	Moisture, density, identification test, boiling point, solubility test (Package)	In-House	25000	20
382	Textile Auxiliaries/Emulsifying Agent/anti Emulsion Agent/Silicon Softener/Acrylic Polymer	Moisture, Density, Identification, Solubility, Ash, Solid content, Nitrogen test, Sulfur test, Foaming Tendency(package).	In-House	25000	20
383	Ethyl Vinyl Acetate (EVA) Copolymer	Moisture, Density, Identification, Solubility, Ash, Solid content, Test for Ethyl Vinyl Acetate , Nitrogen test, Sulfur test (Package).	In-House	25000	20
384	Vinyl Acetate & 2-Ethylhexyl Acrylate	Moisture, Density, Identification, Solubility, Ash, Solid content, Test for Vinyl Acetate & Ethylhexyl Acrylate, Nitrogen test, Sulfur test, Foaming Tendency (Package).	In-House	25000	20

385	Textile Printing Fabrics/Bolting Cloth/Polypropylene Bag/Tissue Bag/Unprinted Polyester Yarn/Fabric/Viscose/Rayon/Cotton/Sherpa Yarn/Fabric/Viscose/Rayon/Cotton Woven Fabric/ Non-woven Fabric/Polyester Yarn/Fabric/Synthetic fiber and wig	Moisture, Microscopic Identification, Solubility, Ash, Tensile Strength, % Elongation, FTIR analysis(package).	In-House	25000	20
386	Waste water/Effluent water/Ground water/Industrial water/Surface water/River water/Lake water/Sea water/Bore hole water /Soil/Sediment/River bed Sediment/Fertilizer/Organic Fertilizer/Plant/vegetables/Bore hole Soil/Heavy Metal and Metals in all types of samples (except pure metal)	Molybdenum	Atomic Absorption Spectrophotometer	2000	10
387	Electrode/ Thin film / Metal / Semimetal etc.	Mott-schottky plot	Photo-Electrochemical Workstation (Potentiostat/Galvanostat)	5000	7 to 15
388	Crude salt	Na <sup>+</sup>	In-House	2500	7
389	Sodium Sulfate( Anhydrous/ dyeing salt)	Na <sub>2</sub> SO <sub>4</sub> (Percentage)	In-House	3500	15
390	Rubber/Rubber Products	Natural Rubber %	In-House (Chemical method/FT-Raman/FT-MIR-NIR with diamond ATR/ASE/GPC-FIPA-TDA)	15000	15
391	Rubber/Rubber Products	Neoprene %	In-House (Chemical method/FT-Raman/FT-MIR-NIR with ATR/ASE/GPC)	15000	15
392	Waste water/Effluent water/Ground water/Industrial water/Surface water/River water/Lake water/Sea water/Bore hole water /Soil/Sediment/River bed Sediment/Fertilizer/Organic Fertilizer/Plant/vegetables/Bore hole Soil/Heavy Metal and Metals in all types of samples (except pure metal)	Nickel	Atomic Absorption Spectrophotometer	2000	10
393	Soil/Sediment/River bed Sediment/Fertilizer/Organic Fertilizer/Plant/vegetables/Bore hole Soil	Nitrate	Nitrogen Digestion and Distillation Apparatus/ Ion Chromatography System	2000	10

394	Waste water/Effluent water/Ground water/Industrial water/Surface water/River water/Lake water/Sea water/Bore hole water / Soil/Sediment/River bed Sediment/Fertilizer/Organic Fertilizer/Plant/vegetables/Bore hole Soil	Nitrate	Ion Chromatography System	2000	10
395	Waste water/Effluent water/Ground water/Industrial water/Surface water/River water/Lake water/Sea water/Bore hole water	Nitrite	Ion Chromatography System	2000	10
396	Waste water/Effluent water/Ground water/Industrial water/Surface water/River water/Lake water/Sea water/Bore hole water	Nitrogen	Nitrogen Digestion and Distillation Apparatus	2000	10
397	Soil/Sediment/River bed Sediment/Fertilizer/Organic Fertilizer/Plant/vegetables/Bore hole Soil	Nitrogen	Nitrogen Digestion and Distillation Apparatus	2500	10
398	Air (Ambiant air and toxic gas) (To be done manually)	Nitrogen di Oxide (NO <sub>2</sub> )	In-House	2000	10
399	Plastic and Polymer	Nitrogen/Protein content	In-House	5000	7
400	Textile Fabrics	Non-chlorine bleach	AATCC	4500	7
401	Liquid detergent/Laundry Soap/Detergent Powder	Non-detergent organic matter % by mass	In-House	3000	10
402	Body Lotion/ Cream (cosmetic)/Shampoo/Shaving foam	Non-volatile Alcohol-soluble matter	In-House	3000	10
403	Baby Skin Creams/Baby Lotions	Non-volatile matter	In-House	3500	10
404	Snow	non-volatile matter	In-House	3000	10
405	Pesticides (Organophosphorus) for Soil/Plant/Chemicals/Industrial Raw Materials (Any/Whole)	o,o,o- triethylphosphorothiate	GC	10000	10
406	Textile printing ink	Odor	In-House	1000	3
407	Super glue	Odor, Solid content, Drying time, Moisture, Solubility, Ash Content, Nitrogen content, VOC(package).	In-House	25000	20
408	Activated Carbon	Odour	In-House	1000	7
409	After Shave Lotion/Perfume/Body Spray /Cosmetics-After shave gel/Cream (cosmetic)/Shampoo/Face Wash/Shaving foam/Shaving gel/Shoe polish/Fatty oil/Skin toner/Textile printing ink/Toilet Soap/Bathing Bar/Thiner/Natural gum/Tooth Paste/Tooth Powder/Uptan/Baby Toilet Soap/Baby Skin Creams/Baby Lotions	Odour	In-House	500	7

410	Waste water/Effluent water/Ground water/Industrial water/Surface water/River water/Lake water/Sea water/Bore hole water	Oil & Grease	Oil Content Analyzer	3000	10
411	Textile printing ink	Oil content	In-House	3000	3
412	Paper and Paper board	Opacity	TAPPI	2000	7
413	Soil/Sediment/River bed Sediment/Organic Fertilizer/Bore hole Soil	Organic Carbon	Potentiometric Titrator	2500	10
414	Soil/Sediment/River bed Sediment/Organic Fertilizer/Bore hole Soil	Organic matter	Potentiometric Titrator	2500	10
415	Jute/Jute Products	Organotin compounds	In-House (UPLC/TG-GC-MS/FT-Raman Spectrometer/FT-MIR-NIR Spectrometer)	15000	15
416	Textile Fabrics	Organotin compounds	In-House (UPLC/ TG-GC-MS/FT-Raman Spectrometer)	6000	7
417	Pesticides (Organophosphorus) for Soil/Plant/Chemicals/Industrial Raw Materials (Any/Whole)	Pamphur	GC	10000	10
418	Paper and Paper board	Paper color	TAPPI	1500	7
419	Paper and Paper board	Paper Color (Shade of the Printing paper)	TAPPI	1500	7
420	Paper and Paper board	Paper sample from Bangladesh Customs, Depends on requirement	TAPPI	20000 or more	10
421	Paper and Paper board	Paper Size	TAPPI	1500	7
422	Pesticides (Organophosphorus) for Soil/Plant/Chemicals/Industrial Raw Materials (Any/Whole)	Parathion	GC	10000	10
423	Activated Carbon	Partical Size	In-House	1000	7
424	Plastic and Polymer	Particle size	Zeta sizer	5000	5
425	Soil/Sediment/River bed Sediment/Bore hole Soil	Particle size Analysis/ Textural class (Percent of sand, Silt & clay)	Hydrometer	2500	10
426	Bitumen & related products	Penetration index	In-House (Penetrometer)	2500	3

427	Bitumen & related products	Penetration index, Rheological study, Softening point, Dynamic Viscosity, Distillation Residue, Solubility, Specific Gravity, Density, Flash Point, Ductility, Water content (package).	In-House	50000	30
428	Paper and Paper board	Pentosan (Wood or Nonwood Plant or pulp material)	TAPPI	4000	7
429	Perfume/Body Spray/Essential oil	Percentage of perfume(active principle)/ Percentage of Essential Oil	In-House	6000	10
430	Baby Skin Creams/Baby LotionsOlive Oil/Hair oil/Coconut Oil/Hair gel/Snow	Peroxide value	In-House	3000	10
431	Cream (cosmetic)	Peroxide value, Thermal Stability	In-House	6000	10
432	Paper and Paper board	pH	TAPPI	1500	7
433	Pharmaceuticals Products	pH	pH meter	1500	10
434	Ball point pen ink/Paper gum/Pharmaceuticals Products/Caustic Soda/Cosmetics/Fatty oil/Skin toner/Different samples of Pharmaceuticals,Herbals,Organic,Compounds etc./Leather adhesive/Wood adhesive	pH	In-House	1000	70
435	Body Lotion/Chlorpropham/Coaning Oil/Glyphosate/Sodium Alginate/Sodium Chloride/Printing Ink/Sodium Sulfate( Anhydrous/ dyeing salt)	pH	In-House	1000	7
436	Any kind of Oil	pH	pH meter (Jenway)	1000	3 to 7
437	Soil/Sediment/River bed Sediment/Fertilizer/Organic Fertilizer/Bore hole Soil	pH	pH Measuring Meter	1000	10
438	Wood adhesive	pH	ASTM	1000	2
439	Waste water/Effluent water/Ground water/Industrial water/Surface water/River water/Lake water/Sea water/Bore hole water	pH	pH Measuring Meter	800	10
440	Synthetic adhesive/Sodium Alginate	pH	In-House	1500	5
441	Wood adhesive	pH	ASTM	1000	2

442	After Shave Lotion /Perfume/Body Spray/Body Lotion/After shave gel/Cream/Detergent Powder/Shampoo/Face Wash/Shaving foam/Shaving gel/Shoe polish/Snow/Hair gel/Soap/Toilet Soap/Bathing Bar/Liquid detergent/Laundry Soap/Detergent Powder/Liquid soap / Hand wash/Tooth Paste/Tooth Powder/Uptan/Olive Oil	PH (10% Solution/2% Solution)	In-House	1000	7
443	Textile printing ink	Phenolic resin	In-House	3500	3
444	Pesticides (Organophosphorus) for Soil/Plant/Chemicals/Industrial Raw Materials (Any/Whole)	phorat	GC	10000	10
445	Acid	Phosphate (PO4)	In-House	2000	10
446	Soil/Sediment/River bed Sediment/Fertilizer/Organic Fertilizer/Plant/vegetables/Bore hole Soil	Phosphorous (as P/as PO4)	UV-Visible Spectrophotometer / Ion Chromatography System	2000	7
447	Semiconductor Electrode / Photo electrode/ Solar cell	Photo current / photo voltage	Photo-Electrochemical Workstation (Potentiostat/Galvanostat)	5000	7 to 15
448	Plastic and Polymer/Rubber/Rubber Products/Textile Fabrics	Phthalates	In-House (UPLC/TG-GC-MS/LC-MS-MS/FT-Raman Spectrometer/ FT-MIR-NIR Spectrometer)	15000	15
449	After Shave Lotion/Perfume/Body Spray /Caustic Soda/Cream (cosmetic)/Detergent Powder/Shampoo/Face Wash/Shaving foam/Shaving gel/Snow/Skin toner/Hair gel/Toilet Soap/Bathing Bar/Liquid detergent/Laundry Soap/Detergent Powder/Thiner/Liquid soap / Hand wash/super glue/Tooth Paste/Tooth Powder/Natural gum/Liquid soap / Hand wash/Uptan/Baby Toilet Soap/Baby Skin Creams/Baby Lotions	Physical Appearance	In-House	500	7
450	Jute/Jute Products	Physical appearance	In-House	1000	5
451	Sodium Bicarbonate	Physical appearance, Odor,Moisture, Ash,Ph,Solubility,Sodium Bicarbonate	In-House	6250	10

452	Phosphate Based Dry Chemical Powder (ABC Dry Powder)	Physical Appearance, Sieve Size, Bulk Density, Moisture Content, Mono Ammonium phosphate, Ammonium Sulfate, Mica/Talc, Others	In-House	8000	10
453	Essential oil	Physical appearance, solubility, density, ester value, optical rotation, refractive index,	In-House	20000	10
454	Sodium Carbonate (Soda Ash)	Physical appearance, odor, moisture, ash, pH, solubility, purity	In-House	7000	10
455	Cosmetic Oil	Physical appearance: Odor; Solubility; Density; Ester value; Optical rotation; Refractive Index; % of flavour, Acid value; Hydro distillation method, Saponification value	In-House	12000	10
456	Printed Plastic Film/PVC Stabilizer	Physical State, Ash Content, Moisture Content, Melting Point, Test for Nitrogen, FT-IR Analysis (Package).	In-House	25000	20
457	Ball point pen ink	Pigment	In-House	3000	7
458	Paint, Varnish, Lacquer & Adhesive products and formulation study	Pigment content	In-House (Chemical method/Simultaneous Thermal Analyzer (TG-DTA/DSC))	6000	7
459	Jute/Jute Products	Pilling resistance	In-House (Pilling Tester)	3000	5
460	Textile Fabrics	Pilling resistance	ASTM (Pilling Tester)	3000	2
461	Food grade quality (Plastic Bottle/Plastic Jar/Other plastic Packaging)	Plastic identification, Migration in Acetic Acid, Distilled water and Ethanol, Bisphenol-A, Acetaldehyde, Lead(Pb), Cadmium(Cd), Mercury(Hg), Chromium(Cr) (Package).	In-House	30000	40
462	Jute/Jute Products	Polyaromatic hydrocarbons	In-House (UPLC/UPLC-MS-MS/FT-Raman Spectrometer)	15000	15



463	Jute/Jute Products	Polyaromatic hydrocarbons	In-House (TG-GC-MS/GC (FID+ECD) with Headspace Sampler)	15000	15
464	Textile Fabrics	Polyaromatic hydrocarbons	In-House (UPLC-MS-MS System)	15000	15
465	Plant extract	Polyphenolic Contents (Sixteen compounds)	HPLC-DAD method	8000	10
466	Soil/Sediment/River bed Sediment/Fertilizer/Organic Fertilizer/Plant/vegetables/Bore hole Soil	Potassium (as K/as K <sub>2</sub> O)	Flame Photometer	2000	10
467	Jute/Jute Products	Presence of PVC	In-House (FT-MIR-NIR Spectrometer with ATR & NIRA Accessories/Oven)	4000	10
468	Jute/Jute Products	Presence of PVC	In-House ( FT-MIR-NIR Spectrometer/FT-Raman Spectrometer)	3000	10
469	Textile Fabrics	Presence of PVC	In-House (FT-MIR-NIR Spectrometer with diamond ATR & NIRA Accessories/FT-Raman Spectrometer)	3000	7
470	Caustic Soda	Presence of Sodium	In-House	2000	7
471		presence of sulfate	In-House	1000	7
472	Paper and Paper board	Pulp	TAPPI	1500	7
473		Purity	In-House	5000	7
474		Purity Test	In-House	3500	10
475	Acetone/Ethanol/Iso Propyl Alcohol/Methanol/Toluene/Hexanone/ Petroleum Ether/Chloroform	Purity/Assay	Gas Chromatograph (GC)	8000	10
476	Calcium Carbonate	Purity/Assay of Calcium carbonate	In-House	5000	7
477	Sodium Alginate	Quantitative estimation of Sodium chloride & Sodium sulfate	In-House	6000	7
478	Paper and Paper board	Rag Percentage	TAPPI	2000	7
479	Paper and Paper board/ Paper and Paper board(CBS-1 Paper)	Reflectance	TAPPI	2000	7
480	Olive Oil	Refractive Index	In-House	5000	10
481	Paint, Varnish, Lacquer & Adhesive products and formulation study	Residual monomers	In-House (UPLC/FT-Raman/STA/GPC-FIPA-TDA)	15000	15

482	Resinous products (Natural & synthetic resins and their formulation study)	Residual monomers	In-House (GC (FID+ECD)/UPLC/FT-Raman Spectrometer Simultaneous Thermal Analyzer /GPC-FIPA-TDA)	15000	15
483	After Shave Lotion/Cosmetics-After shave gel /Cream (cosmetic)/Shaving foam/Shaving gel/Hair gel/Toilet Soap/Bathing Bar/Liquid soap / Hand wash/Face Wash/Shampoo	Residue Content	In-House	3500	10
484	Body Lotion	Residue content	In-House	2000	10
485	Coal	Resistivity	Keithley SMU 2450 source meter	3000	5 to 10
486	Bitumen & related products	Rheological study	In-House (Rotational Rheometer)	10000	5
487	Paint, Varnish, Lacquer & Adhesive products and formulation study/Rubber/Rubber Products	Rheological study	In-House (Rotational Rheometer)	5000	7
488	Toilet Soap/Bathing Bar	Rosin Acids %by mass	In-House	3000	10
489	Textile Fabrics	Rubbing	ASTM, ISO (Rubbing Fastness Tester)	3000	5
490	Olive Oil	Saponification Value	In-House	4000	10
491	Fatty oil/Coconut Oil	Saponification value	In-House	3000	7
492	Textile Fabrics	Sea water	ASTM	5000	5
493	Jute/Jute Products	Seam bursting strength	In-House (Bursting Strength Tester)	3000	3
494	Textile Fabrics	Seam bursting strength	ASTM (Bursting Strength Tester)	3000	5
495	Jute/Jute Products	Seam properties	In-House (Universal Testing Machine)	3000	3
496	Textile Fabrics	Seam properties	ASTM/ISO (Universal Testing Machine)	3000	5
497	Paper and Paper board	Security Fiber	TAPPI	1500	7
498	Soil/Sediment/River bed Sediment/Fertilizer/Organic Fertilizer/Plant/vegetables/Bore hole Soil/Heavy Metal and Metals in all types of samples (except pure metal)	Selenium	Atomic Absorption Spectrophotometer	2500	10
499	Waste water/Effluent water/Ground water/Industrial water/Surface water/River water/Lake water/Sea water/Bore hole water	Selenium	Atomic Absorption Spectrophotometer	2000	10
500	Thin film/Foil	Sheet Resistance ( 1 $\mu\Omega$ - 1 G $\Omega$ )	Four point collinear probe	2000	45056

501	Soil/Sediment/River bed Sediment/Fertilizer/Organic Fertilizer/Plant/vegetables/Bore hole Soil	Silica	Atomic Absorption Spectrophotometer	2500	10
502	Soil/Sediment/River bed Sediment/Fertilizer/Organic Fertilizer/Plant/vegetables/Bore hole Soil	Silicon	Atomic Absorption Spectrophotometer	2500	10
503	Waste water/Effluent water/Ground water/Industrial water/Surface water/River water/Lake water/Sea water/Bore hole water	Silicon/Silica	Atomic Absorption Spectrophotometer	2000	10
504	Waste water/Effluent water/Ground water/Industrial water/Surface water/River water/Lake water/Sea water/Bore hole water /Soil/Sediment/River bed Sediment/Fertilizer/Organic Fertilizer/ Bore hole Soil/ Heavy Metal and Metals in all types of samples (except pure metal)	Silver	Atomic Absorption Spectrophotometer	2000	10
505	Paper and Paper board	Sizing	TAPPI	1500	7
506	Waste water/Effluent water/Ground water/Industrial water/Surface water/River water/Lake water/Sea water/Bore hole water/Soil/Sediment/River bed Sediment/Fertilizer/Organic Fertilizer/Plant/vegetables/Bore hole Soil/Heavy Metal and Metals in all types of s	Sodium	Flame Photometer	2000	10
507	Mosquito Coil Ingredient (Any)	Sodium benzoate	HPLC	6000	10
508	Bitumen & related products	Softening point	In-House (Softening point tester )	2000	3
509	Paint, Varnish, Lacquer & Adhesive products and formulation study	Solid content	In-House (Chemical method)	3000	7
510	Rubber Latex	Solid Content	In-House	2000	5
511	Wood adhesive	Solid Content	In-House	2000	3
512	Synthetic adhesive	Solid Content	In-House	1500	5
513	After Shave Lotion/Ball point pen ink/Cosmetics-After shave gel/Cream (cosmetic)/Detergent Powde/Shampoo/Face Wash/Face Wash/Fatty oil/Shaving foam/Shaving gel/Snow/Leather adhesive/Toilet Soap/Bathing Bar/Tooth Paste/Tooth Powder/Liquid detergent/Laundry Soap/Detergent Powder/Textile printing ink/Liquid soap / Hand wash/Tooth powder/Uptan/Baby Skin Creams/Baby Lotions	Solubility	In-House	800	7
514	D-trans-allithrin/Shoe polish/Hair gel/Sodium Alginate/ Napthalic Acid	Solubility	In-House	500	7
515	Baby Toilet Soap	Solubility	In-House	1000	10

516	Synthetic adhesive	Solubility	In-House	5000	10
517	Bitumen & related products	Solubility	In-House	4000	5
518	Textile printing ink/Wood adhesive	Solubility	In-House	3000	3
519	Sodium Alginate	Solubility	In-House	1000	5
520		Solubility in water	In-House	1000	7
521	Pigment/Azo Dye	Solubility, Ash content, Moisture, Identification, FTIR spectrum, Nitrogen content, Sulfur Content, Active Ingradient (Package).	In-House	25000	20
522	Chlorinated Paraffin Wax	Solubility, Density, pH, Ash content, Moisture, Active matter, Hydrocarbon content, FTIR spectrum, Nitrogen content, Chlorine content (Package).	In-House	25000	20
523	Cotton Powder	Solubility, Moisture Content, Solid Content, Cellulose Content, Polymer Content, FT-IR Analysis (Package)	In-House	25000	20
524	Polymer Laminated Paper/ Glassin Paper	Solubility, Moisture Content, Solid Content, Cellulose Content, Polymer Content, FT-IR Analysis, Tensile Strength, % Elongation (Package)	In-House	25000	20
525	Printer Tonner (Polymer Based)	Solubility, Moisture Content, Solid Content, Pigment Content, Polymer Content, FT-IR Analysis, Perticle Size (Package)	In-House	24000	20
526	Laminated Board/Fibre Board	Solubility, Moisture Content, Solid Content, Polymer Content, FT-IR Analysis, Tensile Strength, % Elongation (Package)	In-House	25000	20
527	Ink (Polymer Based)	Solubility, Moisture Content, Solid Content, Solvent Content, Pigment Content, Polymer Content, FT-IR Analysis (Package)	In-House	25000	20

528	Hair conditioner	Solubility, Odor, pH (10% solution), Residue content, Volatile matter content, Non-volatile alcohol soluble matter, alcohol insoluble matter	In-House	1300	10
529	After Shave Liquid	Solubility,pH (10% Solution), Volatile Matter, Non-Volatile Alcohol Soluble Matter, Density	In-House	10000	10
530	Rubber/Rubber Products	Solution viscosity	In-House (Microviscometer)	10000	10
531	Synthetic adhesive	Solvent Content	In-House	6000	5
532	Paint, Varnish, Lacquer & Adhesive products and formulation study/Rubber/Rubber Products	Solvents Analyses	In-House (UPLC/TG-GC-MS/ GC (FID+ECD) with Headspace Sampler /FT-MIR-NIR Spectrometer /FT-Raman Spectrometer)	15000	15
533	Coconut Oil	Specific gravity	In-House	2500	10
534	Bitumen & related products	Specific Gravity	In-House	3000	3
535	Paper and Paper board/Paper and Paper board(CBS-1 Paper)	Spot & Fiber contamination	TAPPI	1500	7
536		Spreading agent	In-House	2000	7
537	Paper and Paper board	Stiffness	TAPPI	2000	7
538	Paper and Paper board	stretch to Break	TAPPI	1500	7
539	Paper and Paper board	Substance (GSM)	TAPPI	1500	7
540	Waste water/Effluent water/Ground water/Industrial water/Surface water/River water/Lake water/Sea water/Bore hole water	Sulfate (as SO <sub>4</sub> )	Ion Chromatography System	2000	10
541	Pesticides (Organophosphorus) for Soil/Plant/Chemicals/Industrial Raw Materials (Any/Whole)	Sulfotep	GC	10000	10
542	Soil/Sediment/River bed Sediment/Fertilizer/Organic Fertilizer/ Bore hole Soil/Plant/Vegetables	Sulfur	UV-Visible Spectrophotometer	2000	10
543	Rubber/Rubber Products	Sulfur %	Chemical method	3000	7
544	Waste water/Effluent water/Ground water/Industrial water/Surface water/River water/Lake water/Sea water/Bore hole water	Sulfur (as S)	UV-Visible Spectrophotometer	2000	10
545		Sulphate content	In-House	1500	10
546		Sulphates	In-House	2000	7
547	Solid/Powder/Liquid/Thin film	Surface morphology (Optical Image)	Digital Optical Image 1000X	1000	3 to 7

548	Solvents/ liquids/ semi solid	Surface tension	Tensiometer	3000	5 to 10
549	Solvents/ liquids/ semi solid	Surface tension (Single measurement)	Contact Angle Goniometer	5000	7 to 15
550	Solvents / liquids/ semi solid	Surface tension (Multiple measurements)	Contact Angle Goniometer	10000	7 to 15
551	Electrode/ Thin film / Metal / Semimetal etc.	Taufel plot	Photo-Electrochemical Workstation (Potentiostat/Galvanostat)	5000	7 to 15
552	Paper and Paper board/Paper and Paper board(CBS-1 Paper)	Tear Factor	TAPPI	1500	7
553	Paper and Paper board/Paper and Paper board(CBS-1 Paper)	Tear Index	TAPPI	1500	7
554	Paper and Paper board/Paper and Paper board(CBS-1 Paper)	Tear Resistance	TAPPI	1500	7
555	Paper and Paper board/Paper and Paper board(CBS-1 Paper)	Tear Strength	TAPPI	1500	7
556	Film/Foil/Wafer	Temperature dependent DC resistivity	Home-Built setup with SMU 2450 Source meter	3000	7 to 15
557	Paper and Paper board	Tensile Index	TAPPI	1500	7
558	Paper and Paper board	Tensile strength	TAPPI	1500	7
559	Plastic and Polymer/Rubber/Rubber Products	Tensile strength	In-House (Universal Testing Machine)	3000	7
560	Textile Fabrics	Tensile strength	ASTM/ISO (Universal Testing Machine)	3000	5
561	Geo Textile	Tensile strength & % Elongation	In-House	3000	5
562	Paint, Varnish, Lacquer & Adhesive products and formulation study/Plastic and Polymer/Rubber/Rubber Products	Thermal properties	In-House (Oven/ Simultaneous Thermal Analyzer (TG-DTA/DSC))	6000	7
563	Snow/Body Lotion	Thermal stability	In-House	2000	10
564	Baby Skin Creams/Baby Lotions/Hair gel/After Shave Lotion	Thermal stability	In-House	3000	10
565	Paper and Paper board	Thermal Test	TAPPI	1500	7
566	Paper and Paper board/Aluminium Foil Paper/Paper and Paper board(CBS-1 Paper)	Thickness	TAPPI	1500	7
567	Geo Textile	Thickness	In-House	1500	5
568	Laminated board	Thickness	In-House	1500	3
569	Plastic and Polymer	Thickness	In-House (thickness gauge)	1500	2

570	Biaxially oriented polypropylene (BOPP) film	Thickness, Brusting Strength, Tensile strength & % Elongation, Chemical Analysis of Film, FTIR Analysis (Package).	In-House	25000	20
571	Hard Board/Fibre Board/Laminated Board	Thickness, Tensile strength, Water absorption, % Elongation, Physical State, Ash Content, Moisture Content, FT-IR Analysis(Package).	In-House	25000	20
572	Pesticides (Organophosphorus) for Soil/Plant/Chemicals/Industrial Raw Materials (Any/Whole)	Thionazin	GC	10000	10
573	Paper and Paper board	Titanium Presence	TAPPI	2000	7
574	Liquid detergent/Laundry Soap/Detergent Powder	Titre of total fatty acids	In-House	3500	10
575	Coconut Oil	Titre value	In-House	4000	10
576	Crude salt	TOC	In-House	3000	7
577	Hand Sanitizer/Hand Wash/Hand Gel (Dhaka Lab)	Toluene	GC	8000	10
578	Pharmaceuticals Products/Cosmetics/Herbs/Herbal Products/Organic compounds	Total colony forming unit	Biosafety cabinet, Incubator	4000	10
579	Baby Skin Creams/Baby Lotions	Total fatty substance	In-House	3000	10
580	Baby Toilet Soap	Total free alkali,calculated as Na <sub>2</sub> O	In-House	3000	10
581	Coal	Total Moisture	Mositure analyzer	2000	3 to 7
582	Liquid detergent/Laundry Soap/Detergent Powder	Total Phosphate	In-House	3000	10
583	Liquid detergent/Laundry Soap/Detergent Powder	Total phosphates content	In-House	2500	10
584	Body Lotion	Total residue	In-House	1500	7
585	Baby Skin Creams/Baby Lotions	Total residue	In-House	3000	10
586	Waste water/Effluent water/Ground water/Industrial water/Surface water/River water/Lake water/Sea water/Bore hole water	Total Solids	Electronic balance (0.0000 g)	2000	10
587	Waste water/Effluent water/Ground water/Industrial water/Surface water/River water/Lake water/Sea water/Bore hole water	Total Suspended Solid (TSS)	Electronic balance (0.0000 g)	1500	10
588	Body Lotion/Snow/Liquid detergent/Laundry Soap/Detergent Powder/After Shave Lotion/Cream/Liquid soap / Hand wash/Toilet Soap/Bathing Bar/Baby Toilet Soap	Total-fatty matter	In-House	3000	10

589	Waste water/Effluent water/Ground water/Industrial water/Surface water/River water/Lake water/Sea water/Bore hole water	Turbidity	Turbidity Measuring Meter	1500	10
590	Film/Foil/Wafer	Type of conduction (p-type or n-type); Thermoelectric voltage	Home-built Hot Point Probe	1500	5 to 10
591	Dyes & Pigments	Type of Dyes	In-House (Chemical method/UV-Vis Spectrophotometer / FT-Raman Spectrometer/FT-MIR-NIR )	10000	10
592	Toilet Soap/Bathing Bar/Jute/Jute Products (Govt.)/Olive Oil/Coconut Oil	Unsaponifiable matters	In-House	6000	10
593	Jute/Jute Products	Unsaponifiable matters (ppm)	In-House	15000	15
594	UV (A, B, C) testing of any light source (LED, CFL lamp, tube light, thermal light bulb etc)	UVC-% / EUVC ( $\mu\text{w}/\text{cm}^2$ ) UVB-% / EUVB ( $\mu\text{w}/\text{cm}^2$ ) UVA-% / EUVA ( $\mu\text{w}/\text{cm}^2$ )	Irradiance meter	5000	44992
595	Germicidal lamp/ Sterilization lamp	UVC-% / EUVC ( $\mu\text{w}/\text{cm}^2$ ) UVB-% / EUVB ( $\mu\text{w}/\text{cm}^2$ ) UVA-% / EUVA ( $\mu\text{w}/\text{cm}^2$ ) Diagonistic etc Peak wave length FWHM etc	Irradiance meter	10000	5 to 10
596	Paper and Paper board/Paper and Paper board(CBS-1 Paper)	UV-Dull	TAPPI	1500	7
597	Solid/Powder/Liquid/Thin film	UV-VIS-NIR (%T, %R and Absorbance)	Shimadzu 2600 UV-VIS-NIR Spectrophotometer	3000	5 to 10
598	Solid/Powder/Liquid/Thin film	UV-VIS-NIR (Diffuse, Specular, Total Reflectance)	Shimadzu 2600 UV-VIS-NIR Spectrophotometer	3000	5 to 10
599	LED, Diode, Photodiode and Transistor	Various parameters	Home-Built setup with SMU 2450 Source meter	3000	7 to 15



600	Acetic Anhydride/Acetone /Petroleum ether/Chloroform/Dichloromethane/Ethanol/Alcohol/Ethyl acetate/Glyphosate/Knitting Oil/Methanol/n-Butanol/n-Hexane/Cream	Viscosity	In-House	2000	7
601	Ball point pen ink/Pharmaceutical Raw Materials/plastic resins/Petrochemical products/Solvents	Viscosity	In-House	4000	7
602	Rubber Latex	Viscosity	In-House	5000	7
603	Synthetic adhesive	Viscosity	In-House	5000	5
604	Wood adhesive	Viscosity	ASTM	5000	5
605	Binder	Viscosity, Specific gravity, pH, Ionic character, Ash content, Moisture, Active matter, Hydrocarbon content, FTIR spectrum (package).	In-House	25000	20
606	Washing Chemical/cleaning agent	Viscosity,specific gravity, ionic charecter, active matter,hydrocarbon content,FTIR Spectrum	In-House	12000	10
607	Bitumen & related products	Viscosity/Rotational Rheology	In-House	5000	10
608	Prepared Driers	Visual Appreance, Solid Content, Moisture Content, Viscosity, Drying time, Ash Content, FTIR Analysis (package).	In-House	25000	20
609	Anti Corroton Varnish	Visual Appreance, Solid Content, Moisture Content, Viscosity, The amount of Acid, Drying time at140°C, Hardness of paint film, Freeze Resistance at - 50°C(package).	In-House	25000	20
610	After Shave Lotion/Perfume/Body Spray/Perfume/Body Spray/Shaving foam/Hair gel/Skin toner/Tooth Paste/Tooth Powder/Coconut Oil	Volatile Matter Content	In-House	2000	10
611	Uptan/Shaving gel	volatile matter content	In-House	1500	10
612	Alkyd resin	Volatile Matter Content, Ash Content , Alkyd Resin Test, FT-IR Analysis, Nitrogen test, Sulfur test (Package).	In-House	25000	20

613	Natural Gum	Volatile Matter Content, Ash Content , Dynamic Viscosity, Density, FT-IR Analysis, Nitrogen test, Sulfur test (Package)	In-House	25000	20
614	Polyether Polyol	Volatile Matter Content, Ash Content , Dynamic Viscosity, Density, FT-IR Analysis, Nitrogen test, Sulfur test (Package)	In-House	25000	20
615	Epoxy Resin	Volatile Matter Content, Ash Content , Epoxy Resin Test, FT-IR Analysis, Nitrogen test, Sulfur test (Package)	In-House	25000	20
616	Ion Exchanger	Volatile Matter Content, Ash Content , FT-IR Analysis, Nitrogen test, Sulfur test (Package)	In-House	25000	20
617	Multipurpose Putty	Volatile Matter Content, Ash Content , FT-IR Analysis, Nitrogen test, Sulfur test, Solubility (Package).	In-House	25000	20
618	Polyurethane Resin	Volatile Matter Content, Ash Content , PU Resin Test, FT-IR Analysis, Nitrogen test, Sulfur test (Package).	In-House	25000	20
619	Urea Formaldehyde Resin/Phenol Formaldehyde Resin/Modified Phenolic Resin/Urea Liquid Resin	Volatile Matter Content, Ash Content , Urea Formaldehyde Resin Test, FT-IR Analysis, Nitrogen test, Sulfur test (Package).	In-House	25000	20
620	Reactive Polyamine Resin	Volatile Matter Content, Ash Content , Test for Polyamine Resin, FT-IR Analysis, Nitrogen test, Sulfur test (Package).	In-House	25000	20
621	Paint, Varnish, Lacquer & Adhesive products and formulation study	Volatile Organic Compounds	In-House (TG-GC-MS/ GC (FID+ECD) with Headspace Sampler)	15000	15

622	Paint, Varnish, Lacquer & Adhesive products and formulation study	Volatile Organic Compounds	In-House (Oven)	5000	7
623	Rubber/Rubber Products	Volatile Organic Matter (VOM)	ASTM(Oven/ Simultaneous Thermal Analyzer (TG-DTA/DSC))	6000	7
624	Textile Fabrics	Wash fastness	ISO (Wash Fastness Machine)	3000	5
625	Paper and Paper board	Water absorbancy	TAPPI	1500	7
626	Laminated board	Water absorption	In-House	3000	3
627	Thin film/ pellet/ any surface etc.	Water Contact Angle (WCA) in deg. Multiple measurements with time at three different position of the sample	Contact Angle Goniometer	15000	7 to 15
628	Thin film/ pellet/ any surface etc.	Water Contact Angle (WCA) in deg. Single measurement at three different position of the sample	Contact Angle Goniometer	5000	5 to 10
629	Thin film/ pellet/ any surface etc.	Water Contact Angle (WCA) in deg. Single measurement at Single position of the sample	Contact Angle Goniometer	3000	3 to 7
630		Water content	In-House	2500	7
631	Baby Skin Creams/Baby Lotions	Water content	In-House	1500	10
632		Water insoluble matter	In-House	1000	7
633	Paper and Paper board	Water Mark	TAPPI	1000	7
634	Different samples of Pharmaceuticals,Herbals,Organic,Compounds etc.	Weight per ml	GC	1000	10
635	Paper and Paper board	Wet strength	TAPPI	1500	7
636	Paper and Paper board	White Web Titanium Loaded	TAPPI	2000	7
637	Hand Sanitizer/Hand Wash/Hand Gel (Dhaka Lab)	Xylene	GC	8000	10
638	Rubber/Rubber Products	% Ash	In-House	2000	5
639	Plastic and Polymer	% Elongation	Universal Testing Machine In-House	3000	3
640	Tooth Paste/Tooth Powder	% of Essential Oil/Flavour	In-House	7000	10
641	Soap(Laundry)/Detergent Powder/Liquid soap / Hand wash/Liquid detergent/Laundry Soap/Detergent Powder	% of Free Caustic Alkali	In-House	3000	10
642	Toilet Soap/Bathing Bar	% of matter insoluble in alcohol	In-House	3000	10
643	Toilet Soap/Bathing Bar/Soap(Laundry)	% of Matter insoluble in water	In-House	3000	10

644	Shaving foam(As per BCSIR)	% of perfume	In-House	5000	10
645	Liquid detergent/Laundry Soap/Detergent Powder/Liquid soap / Hand wash	% of total free alkali	In-House	3000	10
646	Liquid detergent/Laundry Soap/Detergent Powder	% of unsaponified fatty matter	In-House	6000	10
647	Pesticides (Organochlorine) for Soil/Plant/Chemicals/Industrial Raw Materials (Any/Whole)	4,4'-DDD/p,p/p,o-DDP	GC	10000	10
648	Pesticides (Organochlorine) for Soil/Plant/Chemicals/Industrial Raw Materials (Any/Whole)	4,4'-DDD/p,p/p,o-DDP/4,4'DDE/p,p/p,o-DDE/4,4-DDT/pp/po-DDT"	GC	10000	10
649	Pesticides (Organochlorine) for Soil/Plant/Chemicals/Industrial Raw Materials (Any/Whole)	4,4'DDE/p,p/p,o-DDE	GC	10000	10
650	Pesticides (Organochlorine) for Soil/Plant/Chemicals/Industrial Raw Materials (Any/Whole)	4,4-DDT/pp/po-DDT"	GC	10000	10

<b>Institute of National Analytical Research &amp; Service (INARS)</b>					
<b>Sl. No</b>	<b>Name of Sample</b>	<b>Test Parameter</b>	<b>Instruments Name</b>	<b>Fee (Without VAT)</b>	<b>Working Days</b>
1	Beverage (INARS)	Alcohol (%)	GC-MS	10000	10
2	Natural products/ Synthesis (NMR) (INARS)	( <sup>1</sup> H, <sup>13</sup> C, Dept 135) NMR (CDCl <sub>3</sub> )	NMR	4000	7
3	Natural products/ Synthesis (NMR) (INARS)	( <sup>1</sup> H, <sup>13</sup> C, Dept 135) NMR (Mehanol-d <sub>4</sub> /DMSO-d <sub>6</sub> /water-d <sub>2</sub> /Acetone-d <sub>6</sub> , Pyridine)	NMR	6000	7
4	Natural products/ Synthesis (NMR) (INARS)	( <sup>1</sup> H, <sup>13</sup> C, Dept 135, Cosy, HMBC, HSQC) NMR (CDCl <sub>3</sub> )	NMR	10000	7
5	Natural products/ Synthesis (NMR) (INARS)	( <sup>1</sup> H, <sup>13</sup> C, Dept 135, Cosy, HMBC, HSQC) NMR (Mehanol-d <sub>4</sub> /DMSO-d <sub>6</sub> /water-d <sub>2</sub> /Acetone-d <sub>6</sub> , Pyridine)	NMR	14000	7
6	Natural products/ Synthesis (NMR) (INARS)	Cosy NMR (CDCl <sub>3</sub> )	NMR	2000	7
7	Natural products/ Synthesis (NMR) (INARS)	Cosy NMR (Mehanol-d <sub>4</sub> /DMSO-d <sub>6</sub> /water-d <sub>2</sub> /Acetone-d <sub>6</sub> , Pyridine)	NMR	3000	7
8	Water/ drinking water/waste water/surface water/industrial water(INARS)	Fluorene	GC-MS	10000	10
9	Natural products/ Synthesis (NMR) (INARS)	HMBC NMR (CDCl <sub>3</sub> )	NMR	3000	7
10	Natural products/ Synthesis (NMR) (INARS)	HMBC NMR (Mehanol-d <sub>4</sub> /DMSO-d <sub>6</sub> /water-d <sub>2</sub> /Acetone-d <sub>6</sub> , Pyridine)	NMR	4000	7
11	Natural products/ Synthesis (NMR) (INARS)	HSQC NMR (CDCl <sub>3</sub> )	NMR	3000	7
12	Natural products/ Synthesis (NMR) (INARS)	HSQC NMR (Mehanol-d <sub>4</sub> /DMSO-d <sub>6</sub> /water-d <sub>2</sub> /Acetone-d <sub>6</sub> , Pyridine)	NMR	4000	7
13	Natural products/ Synthesis (NMR) (INARS)	<sup>13</sup> C NMR (CDCl <sub>3</sub> )	NMR	2000	7
14	Natural products/ Synthesis (NMR) (INARS)	<sup>13</sup> C NMR (Mehanol-d <sub>4</sub> /DMSO-d <sub>6</sub> /water-d <sub>2</sub> /Acetone-d <sub>6</sub> , Pyridine)	NMR	3000	7
15	Natural products/ Synthesis (NMR) (INARS)	<sup>1</sup> H NMR (CDCl <sub>3</sub> )	NMR	1400	7

16	Natural products/ Synthesis (NMR) (INARS)	<sup>1</sup> H NMR (Methanol-d <sub>4</sub> /DMSO-d <sub>6</sub> /water-d <sub>2</sub> /Acetone-d <sub>6</sub> , Pyridine)	NMR	2000	7
17	Water/ drinking water/waste water/surface water/industrial water(INARS)	2, 2', 3, 4, 4', 5, 5'-heptachlorobiphenyl	GC-ECD	10000	10
18	Water/ drinking water/waste water/surface water/industrial water(INARS)	2, 2', 4, 4', 5, 5'-hexachlorobiphenyl	GC-ECD	10000	10
19	Water/ drinking water/waste water/surface water/industrial water(INARS)	2, 2', 5, 5'-tetrachlorobiphenyl	GC-ECD	10000	10
20	Water/ drinking water/waste water/surface water/industrial water(INARS)	2, 4, 4'-trichlorobiphenyl	GC-ECD	10000	10
21	Water/ drinking water/waste water/surface water/industrial water(INARS)	2, 6-dichlorobiphenyl	GC-ECD	10000	10
22	Water/ drinking water/waste water/surface water/industrial water(INARS)	2, 6-dichlorobiphenyl, 2, 4, 4'-trichlorobiphenyl, 2, 2', 5, 5'-tetrachlorobiphenyl, 2, 2', 4, 4', 5, 5'-hexachlorobiphenyl, 2, 2', 3, 4, 4', 5, 5'-heptachlorobiphenyl, Isooctane	GC-ECD	10000	10
23	Water/ drinking water/waste water/surface water/industrial water(INARS)	4,4'-DDD	GC-MS	10000	10
24	Water/ drinking water/waste water/surface water/industrial water(INARS)	4,4'-DDE	GC-MS	10000	10
25	Water/ drinking water/waste water/surface water/industrial water(INARS)	4,4'-DDT	GC-MS	10000	10
26	Water/ drinking water/waste water/surface water/industrial water(INARS)	Acenaphthene	GC-MS	10000	10
27	Water/ drinking water/waste water/surface water/industrial water(INARS)	Acenaphthylene	GC-MS	10000	10
28	Water/ drinking water/waste water/surface water/industrial water(INARS)	Acidity	Titrimetric	2000	7
29	Water/ drinking water/waste water/surface water/industrial water(INARS)	Aldrin	GC-MS	10000	10

30	Water/ drinking water/waste water/surface water/industrial water(INARS)	Alkalinity	Titrimetric	2000	7
31	Water/ drinking water/waste water/surface water/industrial water(INARS)	Alpha-BHC	GC-MS	10000	10
32	Water/ drinking water/waste water/surface water/industrial water(INARS)	Alpha-Chlordane	GC-MS	10000	10
33	Water/ drinking water/waste water/surface water/industrial water(INARS)	Alpha-Chlordane	GC-MS	10000	10
34	Sediment / Soil (INARS)	Aluminium (Al)	AAS	2500	7
35	Sludge (INARS)	Aluminium (Al)	AAS	3000	7
36	Water/ drinking water/waste water/surface water/industrial water(INARS)	Aluminium (Al)	AAS	2000	7
37	Water/ drinking water/waste water/surface water/industrial water(INARS)	Ammonia Nitrogen	IC	2000	7
38	Water/ drinking water/waste water/surface water/industrial water(INARS)	Ammonia(NH3)	IC	2000	7
39	Water/ drinking water/waste water/surface water/industrial water(INARS)	Anions	IC	12000	7
40	Water/ drinking water/waste water/surface water/industrial water(INARS)	Anthracene	GC-MS	10000	10
41	Sediment / Soil (INARS)	Antimony (Sb)	AAS	2500	7
42	Sludge (INARS)	Antimony (Sb)	AAS	3000	7
43	Water/ drinking water/waste water/surface water/industrial water(INARS)	Antimony (Sb)	AAS	2000	7
44	Water (INARS)	appearance	In-House	800	7
45	Sediment / Soil (INARS)	Arsenic (As)	AAS	2500	7
46	Sludge (INARS)	Arsenic (As)	AAS	3000	7
47	Water/ drinking water/waste water/surface water/industrial water(INARS)	Arsenic(As)	AAS	2000	7
48	Water/ drinking water/waste water/surface water/industrial water(INARS)	Benzo (A) Antharance	GC-MS	10000	10
49	Water/ drinking water/waste water/surface water/industrial water(INARS)	Benzo (A) Pyrene	GC-MS	10000	10
50	Water/ drinking water/waste water/surface water/industrial water(INARS)	Benzo (B) Fluoranthene	GC-MS	10000	10
51	Water/ drinking water/waste water/surface water/industrial water(INARS)	Benzo (G.G.I.) Rerylene	GC-MS	10000	10

52	Water/ drinking water/waste water/surface water/industrial water(INARS)	Benzo (K) Fluoranthene	GC-MS	10000	10
53	Water/ drinking water/waste water/surface water/industrial water(INARS)	Beta-BHC	GC-MS	10000	10
54	Water/ drinking water/waste water/surface water/industrial water(INARS)	Bicarbonate	Titrimetric	2000	7
55	Water/ drinking water/waste water/surface water/industrial water(INARS)	BOD(biological oxygen demand) 5 days	In-House	4000	10
56	Sediment / Soil (INARS)	boron(B)	AAS	2500	7
57	Sludge (INARS)	boron(B)	AAS	3000	7
58	Water/ drinking water/waste water/surface water/industrial water(INARS)	Boron(B)	AAS	2000	7
59	Water/ drinking water/waste water/surface water/industrial water(INARS)	Bromide(Br)	IC	2000	7
60	Sediment / Soil (INARS)	Cadmium (Cd)	AAS	2500	7
61	Sludge (INARS)	Cadmium (Cd)	AAS	3000	7
62	Water/ drinking water/waste water/surface water/industrial water(INARS)	Cadmium (Cd)	AAS	2000	7
63	Beverage (INARS)	Caffeine	HPLC	5000	10
64	Sediment / Soil (INARS)	Calcium (Ca)	AAS	2500	7
65	Sludge (INARS)	Calcium (Ca)	AAS	3000	7
66	Water/ drinking water/waste water/surface water/industrial water(INARS)	Calcium (Ca)	AAS	2000	7
67	Compounds All Types (Elemental)	Carbon	Elemental Analyzer	2000	7
68	Water/ drinking water/waste water/surface water/industrial water(INARS)	Carbon dioxide(CO <sub>2</sub> )	Titrimetric	2000	7
69	Compounds All Types (Elemental)	Carbon, Hydrogen, Nitrogen, Sulphur	Elemental Analyzer	8000	7
70	Water/ drinking water/waste water/surface water/industrial water(INARS)	Carbonate hardness(CACO <sub>3</sub> )	Titrimetric	2000	7
71	Water/ drinking water/waste water/surface water/industrial water(INARS)	Carbonate(CO <sub>3</sub> )	Titrimetric	2000	7
72	Sludge/Sediment / Soil (INARS)	Chloride	IC	2000	10
73	Water/ drinking water/waste water/surface water/industrial water(INARS)	Chloride(Cl)	IC	2000	7
74	Water/ drinking water/waste water/surface water/industrial water(INARS)	Chlorine(Cl <sub>2</sub> )	Titrimetric	3000	7
75	Sediment / Soil (INARS)	Chromium (Cr)	AAS	2500	7



76	Sludge (INARS)	Chromium (Cr)	AAS	3000	7
77	Water/ drinking water/waste water/surface water/industrial water(INARS)	Chromium(Cr)	AAS	2000	7
78	Water/ drinking water/waste water/surface water/industrial water(INARS)	Chrysene	GC-MS	10000	10
79	Sediment / Soil (INARS)	Cobalt (Co)	AAS	2500	7
80	Sludge (INARS)	Cobalt (Co)	AAS	3000	7
81	Water/ drinking water/waste water/surface water/industrial water(INARS)	Cobalt (Co)	AAS	2000	7
82	Water/ drinking water/waste water/surface water/industrial water(INARS)	COD (Chemical Oxygen Demand)	Titrimetric	4000	7
83	Water/ drinking water/waste water/surface water/industrial water(INARS)	Color	UV Spectrophotometer	1000	7
84	Water/ drinking water/waste water/surface water/industrial water(INARS)	Conductivity	Multimeter	1000	7
85	Sediment / Soil (INARS)	Copper (Cu)	AAS	2500	7
86	Sludge (INARS)	Copper (Cu)	AAS	3000	7
87	Water/ drinking water/waste water/surface water/industrial water(INARS)	Copper (Cu)	AAS	2000	7
88	Pharmaceutical Raw Materials (INARS)	Cytotoxicity	In-House	8000	10
89	Water/ drinking water/waste water/surface water/industrial water(INARS)	Delta-BHC	GC-MS	10000	10
90	Natural products/ Synthesis (NMR) (INARS)	Dept (135) NMR (CDCI3)	NMR	1600	7
91	Natural products/ Synthesis (NMR) (INARS)	Dept (135) NMR (Mehanol-d4/DMSO-d6/water-d2/Acetone-d6, Pyridine)	NMR	2000	7
92	Water/ drinking water/waste water/surface water/industrial water(INARS)	Dibenzo (A.H) Anthracene	GC-MS	10000	10
93	Water/ drinking water/waste water/surface water/industrial water(INARS)	Dieldrin	GC-MS	10000	10
94	Solid/Liquid/ Natural product/ Synthesis (INARS)	Direct Mass	GC-MS	10000	10
95	Water/ drinking water/waste water/surface water/industrial water(INARS)	Dissolved CO2	Titrimetric	2000	7
96	Water/ drinking water/waste water/surface water/industrial water(INARS)	DO(dissolved oxygen)	Multimeter	1200	7
97	Water/ drinking water/waste water/surface water/industrial water(INARS)	E.coli	In-House	2000	7
98	Sludge/Sediment / Soil (INARS)	Electrical Conductivity	Multimeter	1500	10

99	Water/ drinking water/waste water/surface water/industrial water(INARS)	Electrical conductivity	Multimeter	1500	7
100	Water/ drinking water/waste water/surface water/industrial water(INARS)	Endosulfun I (Alpha)	GC-MS	10000	10
101	Water/ drinking water/waste water/surface water/industrial water(INARS)	Endosulfun III (Beta)	GC-MS	10000	10
102	Water/ drinking water/waste water/surface water/industrial water(INARS)	Endosulfun sulphate	GC-MS	10000	10
103	Water/ drinking water/waste water/surface water/industrial water(INARS)	Endrin	GC-MS	10000	10
104	Water/ drinking water/waste water/surface water/industrial water(INARS)	Endrin aldehyde	GC-MS	10000	10
105	Water/ drinking water/waste water/surface water/industrial water(INARS)	Endrin ketone	GC-MS	10000	10
106	Hand Sanitizer (INARS)	Ethanol	GC-MS	10000	7
107	Pharmaceutical Raw Materials (INARS)	Fatty Acids	GC-MS	10000	10
108	Water/ drinking water/waste water/surface water/industrial water(INARS)	Fecal Coliform	In-House	2000	7
109	Water/ drinking water/waste water/surface water/industrial water(INARS)	Fluoranthene	GC-MS	10000	10
110	Water/ drinking water/waste water/surface water/industrial water(INARS)	Fluoride(F)	IC	2000	7
111	Water/ drinking water/waste water/surface water/industrial water(INARS)	Free chlorine	Titrimetric	3000	7
112	Pharmaceutical Raw Materials (INARS)	Functional Group	FT-IR	2000	7
113	Water/ drinking water/waste water/surface water/industrial water(INARS)	Gamma-BHC	GC-MS	10000	10
114	Water/ drinking water/waste water/surface water/industrial water(INARS)	Gamma-Chlordane	GC-MS	10000	10
115	Hand Sanitizer/Hand Wash/Hand Gel (INARS)	Glycerine / Glycerol	In-House	1500	7
116	Sediment / Soil (INARS)	Gold (Au)	AAS	2500	7
117	Sludge (INARS)	Gold (Au)	AAS	3000	7
118	Water/ drinking water/waste water/surface water/industrial water(INARS)	Gold (Au)	AAS	2000	7
119	Water/ drinking water/waste water/surface water/industrial water(INARS)	Hardness	Titrimetric	2000	7
120	Water/ drinking water/waste water/surface water/industrial water(INARS)	Heptachlor	GC-MS	10000	10

121	Water/ drinking water/waste water/surface water/industrial water(INARS)	Heptachlor epoxide isomer B	GC-MS	10000	10
122	Compounds All Types (Elemental)	Hydrogen	Elemental Analyzer	2000	7
123	Hand Sanitizer/Hand Wash/Hand Gel (INARS)	Hydrogen peroxide	Titrimetric	2500	7
124	Water/ drinking water/waste water/surface water/industrial water(INARS)	Hydroxide(OH-)	Titrimetric	2000	7
125	Water/ drinking water/waste water/surface water/industrial water(INARS)	Hydroxyl	Titrimetric	2000	7
126	Water/ drinking water/waste water/surface water/industrial water(INARS)	Indeno (1.2.3-Cd) Pyrene	GC-MS	10000	10
127	Sediment / Soil (INARS)	Iron (Fe)	AAS	2500	7
128	Sludge (INARS)	Iron (Fe)	AAS	3000	7
129	Water/ drinking water/waste water/surface water/industrial water(INARS)	Iron(Fe)	AAS	2000	7
130	Sediment / Soil (INARS)	IR-Spectrum	FT-IR	2000	7
131	Sludge (INARS)	IR-Spectrum	FT-IR	3000	7
132	Water/ drinking water/waste water/surface water/industrial water(INARS)	Isooctane	GC-ECD	10000	10
133	Sediment / Soil (INARS)	Lead (Pb)	AAS	2500	7
134	Sludge (INARS)	Lead (Pb)	AAS	3000	7
135	Water/ drinking water/waste water/surface water/industrial water(INARS)	Lead(Pb)	AAS	2000	7
136	Water/ drinking water/waste water/surface water/industrial water(INARS)	Magnansium(MG)	AAS	2000	7
137	Sediment / Soil (INARS)	Magnesium (Mg)	AAS	2500	7
138	Sludge (INARS)	Magnesium (Mg)	AAS	3000	7
139	Water/ drinking water/waste water/surface water/industrial water(INARS)	M-alkalinity	Titrimetric	2000	7
140	Sediment / Soil (INARS)	Manganese (Mn)	AAS	2500	7
141	Sludge (INARS)	Manganese (Mn)	AAS	3000	7
142	Water/ drinking water/waste water/surface water/industrial water(INARS)	Manganese(Mn)	AAS	2000	7
143	Water/ drinking water/waste water/surface water/industrial water(INARS)	Mercury (Hg)	AAS	2000	7
144	Water/ drinking water/waste water/surface water/industrial water(INARS)	Methoxychlor	GC-MS	10000	10
145	Sediment / Soil (INARS)	Moisture	In-House	1500	7
146	Sediment / Soil (INARS)	Molybdenum(Mo)	AAS	2500	7

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147	Sludge (INARS)	Molybdenum(Mo)	AAS	3000	7
148	Water/ drinking water/waste water/surface water/industrial water(INARS)	Molybdenym (Mo)	AAS	2000	10
149	Water/ drinking water/waste water/surface water/industrial water(INARS)	Napthalene	GC-MS	10000	10
150	Water/ drinking water/waste water/surface water/industrial water(INARS)	Negative Hardness	Titrimetric	2000	7
151	Water/ drinking water/waste water/surface water/industrial water(INARS)	Nickel (Ni)	AAS	2000	7
152	Water/ drinking water/waste water/surface water/industrial water(INARS)	Nitrate(NO3)	IC	2000	7
153	Compounds All Types (Elemental)	Nitrogen	Elemental Analyzer	2000	7
154	Water/ drinking water/waste water/surface water/industrial water(INARS)	Non-carbonated hardness	Titrimetric	2000	7
155	Water/ drinking water/waste water/surface water/industrial water(INARS)	Odour	In-House	1000	7
156	Water/ drinking water/waste water/surface water/industrial water(INARS)	Oil and grease	In-House	4000	7
157	Water/ drinking water/waste water/surface water/industrial water(INARS)	Oxidation reduction potential	Multimeter	2500	7
158	Water/ drinking water/waste water/surface water/industrial water(INARS)	P-alkalinity	Titrimetric	2000	7
159	Water/ drinking water/waste water/surface water/industrial water(INARS)	Permanent Organic Persistants (POPs)	GC-MS	10000	10
160	Water/ drinking water/waste water/surface water/industrial water(INARS)	Pesticide Residue (Alpha-BHC, Gamma-BHC, Beta-BHC, Delta-BHC, Heptachlor, Aldrin, Heptachlor epoxide isomer B, Gamma-Chlordane, Alpha-Chlordane, Endosulfun I (Alpha), 4,4'-DDE, Dieldrin, Endrin, 4,4'-DDD, Endosulfun III (Beta), Endrin aldehyde, 4,4'-DDT, Endosulfun sulphate, Methoxychlor, Endrin ketone)	GC-MS	10000	10

161	Water/ drinking water/waste water/surface water/industrial water(INARS)	pH	Multimeter	800	7
162	Water/ drinking water/waste water/surface water/industrial water(INARS)	Pheneanthrene	GC-MS	10000	10
163	Water/ drinking water/waste water/surface water/industrial water(INARS)	Phenolic compounds	UV Spectrophotometer	8000	10
164	Water/ drinking water/waste water/surface water/industrial water(INARS)	Phosphate (PO4)	UV Spectrophotometer	2000	7
165	Water/ drinking water/waste water/surface water/industrial water(INARS)	Poly Aromatic Hydrocarbon (Naphthalene, Acenaphthylene, Acenaphthene, Fluorene, Pheneanthrene, Anthracene, Fluoranthene, Pyrene, Benzo (A) Antharance, Chrysene, Benzo (B) Fluoranthene, Benzo (K) Fluoranthene, Benzo (A) Pyrene, Dibenzo (A.H) Anthracene, Benzo (G.G.I.) Rerylene, Indeno (1.2.3-Cd) Pyrene)	GC-MS	10000	10
166	Water/ drinking water/waste water/surface water/industrial water(INARS)	Poly Chloro Biphenyls (PCB)	GC-MS	10000	10
167	Sediment / Soil (INARS)	Potassium (K)	Flame Photometer	2500	7
168	Sludge (INARS)	Potassium (K)	Flame Photometer	3000	7
169	Water/ drinking water/waste water/surface water/industrial water(INARS)	Potassium(K)	Flame Photometer	2000	7
170	Water/ drinking water/waste water/surface water/industrial water(INARS)	Protein Analysis	Kjeldahl Apparatus	6000	10
171	Organic solvent (INARS)	Purity	GC-MS	10000	7
172	Pharmaceutical Raw Materials (INARS)	Purity	GC-MS	10000	10
173	Hand Sanitizer/Hand Wash/Hand Gel (INARS)	Purity - % Methanol, % Ethanol(Alcohol) % Iso propyl alcohol ( IPA)	GC-MS	10000	7
174	Water/ drinking water/waste water/surface water/industrial water(INARS)	Pyrene	GC-MS	10000	10
175	Water/ drinking water/waste water/surface water/industrial water(INARS)	Salinity	Multimeter	1500	7

176	Water/ drinking water/waste water/surface water/industrial water(INARS)	Silica (SiO <sub>2</sub> ) (Colloidal)	AAS	2000	7
177	Water/ drinking water/waste water/surface water/industrial water(INARS)	Silicon (Si)	AAS	2000	7
178	Sediment / Soil (INARS)	Silicon(Si)	AAS	2500	7
179	Sludge (INARS)	Silicon(Si)	AAS	3000	7
180	Sediment / Soil (INARS)	Silver (Ag)	AAS	2500	7
181	Sludge (INARS)	Silver (Ag)	AAS	3000	7
182	Water/ drinking water/waste water/surface water/industrial water(INARS)	Silver(Ag)	AAS	2000	7
183	Sediment / Soil (INARS)	Sodium(Na)	Flame Photometer	2500	7
184	Sludge (INARS)	Sodium(Na)	Flame Photometer	3000	7
185	Water/ drinking water/waste water/surface water/industrial water(INARS)	Sodium(Na)	Flame Photometer	2000	7
186	Water/ drinking water/waste water/surface water/industrial water(INARS)	Soluble Phosphorous	UV Spectrophotometer	2000	7
187	Water/ drinking water/waste water/surface water/industrial water(INARS)	Strontium	AAS	2000	7
188	Water/ drinking water/waste water/surface water/industrial water(INARS)	Sulphate (SO <sub>4</sub> )	IC	2000	7
189	Compounds All Types (Elemental)	Sulphur	Elemental Analyzer	2000	7
190	Water/ drinking water/waste water/surface water/industrial water(INARS)	Suspended Solids (SS)	Gravimetric	2000	7
191	Water/ drinking water/waste water/surface water/industrial water(INARS)	Taste	In-House	1000	7
192	Water/ drinking water/waste water/surface water/industrial water(INARS)	Temperature	In-House	800	7
193	Sediment / Soil (INARS)	Tin (Sn)	AAS	2500	7
194	Sludge (INARS)	Tin (Sn)	AAS	3000	7
195	Water/ drinking water/waste water/surface water/industrial water(INARS)	Tin (Sn)	AAS	2000	7
196	Water/ drinking water/waste water/surface water/industrial water(INARS)	Total Ammonia Nitrogen	IC	2000	7
197	Water/ drinking water/waste water/surface water/industrial water(INARS)	Total Bacterial Count	In-House	2000	7
198	Water/ drinking water/waste water/surface water/industrial water(INARS)	Total Coliform	In-House	2000	7
199	Sludge/Sediment / Soil (INARS)	Total Dissolved Solid	Gravimetric	2000	10

200	Water/ drinking water/waste water/surface water/industrial water(INARS)	Total dissolved solids (TDS)	Gravimetric	2000	7
201	Water/ drinking water/waste water/surface water/industrial water(INARS)	Total Hardness	Titrimetric	2000	7
202	Water/ drinking water/waste water/surface water/industrial water(INARS)	Total Nitrogen	Kjeldahl Apparatus	6000	10
203	Water/ drinking water/waste water/surface water/industrial water(INARS)	Total Organic Carbon (TOC)	TOC- analyzer	4000	10
204	Water/ drinking water/waste water/surface water/industrial water(INARS)	Total Plate Count	In-House	2000	7
205	Water/ drinking water/waste water/surface water/industrial water(INARS)	Total Solid Content	Gravimetric	2000	7
206	Water/ drinking water/waste water/surface water/industrial water(INARS)	Total solids (TS)	Gravimetric	2000	7
207	Water/ drinking water/waste water/surface water/industrial water(INARS)	Total suspended solids (TSS)	Gravimetric	2000	7
208	Water/ drinking water/waste water/surface water/industrial water(INARS)	Total Viable Count	In-House	2000	7
209	Water/ drinking water/waste water/surface water/industrial water(INARS)	Turbidity	Turbidity meter	1500	7
210	Water/ drinking water/waste water/surface water/industrial water(INARS)	Vanadium	AAS	2000	7
211	Sediment / Soil (INARS)	Vanadium (V)	AAS	2500	7
212	Sludge (INARS)	Vanadium (V)	AAS	3000	7
213	Water/ drinking water/waste water/surface water/industrial water(INARS)	Volatile Organic Carbon (VOC)	GC-MS	10000	10
214	Sediment / Soil (INARS)	Zinc (Zn)	AAS	2500	7
215	Sludge (INARS)	Zinc (Zn)	AAS	3000	7
216	Water/ drinking water/waste water/surface water/industrial water(INARS)	Zinc (Zn)	AAS	2000	7

<b>Institute of Energy Research and Development (IERD)</b>					
<b>Sl. No</b>	<b>Name of Sample</b>	<b>Test Parameter</b>	<b>Instruments Name</b>	<b>Fee (Without VAT)</b>	<b>Working Days</b>
1	Liquid fuel (Octane/Petrol/Kerosine/ Diesel/Biodiesel//Furnace oil/Pyrolysis oil	Acid value/TAN/TBN	ASTM D 974	5000	7
2	Liquid fuel (Octane/Petrol/Kerosine/ Diesel/Biodiesel//Furnace oil/Pyrolysis oil	Aromatics	Gasoline Analyzer	4000	7
3	Liquid fuel (Octane/Petrol/Kerosine/ Diesel/Biodiesel//Furnace oil/Pyrolysis oil	Ash content	ASTM D 482	4000	7
4	Liquid fuel (Octane/Petrol/Kerosine/ Diesel/Biodiesel//Furnace oil/Pyrolysis oil	Benzene	Gasoline Analyzer	7000	7
5	Liquid fuel (Octane/Petrol/Kerosine/ Diesel/Biodiesel//Furnace oil/Pyrolysis oil	Boiling range/Distillation	ASTM D 86	6000	7
6	Liquid fuel (Octane/Petrol/Kerosine/ Diesel/Biodiesel//Furnace oil/Pyrolysis oil	Calorific Value (Gross/Net)	Bomb Calorimeter	5000	7
7	Liquid fuel (Octane/Petrol/Kerosine/ Diesel/Biodiesel//Furnace oil/Pyrolysis oil	Carbon residue	ASTM D 189	3000	7
8	Liquid fuel (Octane/Petrol/Kerosine/ Diesel/Biodiesel//Furnace oil/Pyrolysis oil	Cetane improver	Diesel Analyzer	5000	7
9	Liquid fuel (Octane/Petrol/Kerosine/ Diesel/Biodiesel//Furnace oil/Pyrolysis oil	Cetane index	Diesel Analyzer	7000	7
10	Liquid fuel (Octane/Petrol/Kerosine/ Diesel/Biodiesel//Furnace oil/Pyrolysis oil	Cetane number	Diesel Analyzer	7000	7
11	Liquid fuel (Octane/Petrol/Kerosine/ Diesel/Biodiesel//Furnace oil/Pyrolysis oil	Color	Colorimeter	3000	7
12	Liquid fuel (Octane/Petrol/Kerosine/ Diesel/Biodiesel//Furnace oil/Pyrolysis oil	Corrosion	IP 154/59	5000	7
13	Liquid fuel (Octane/Petrol/Kerosine/ Diesel/Biodiesel//Furnace oil/Pyrolysis oil	Density/Specific/API gravity	ASTM D1298	3500	7
14	Liquid fuel (Octane/Petrol/Kerosine/ Diesel/Biodiesel//Furnace oil/Pyrolysis oil	DIPE	Gasoline Analyzer	4000	7
15	Liquid fuel (Octane/Petrol/Kerosine/ Diesel/Biodiesel//Furnace oil/Pyrolysis oil	Ethanol	Gasoline Analyzer	6000	7
16	Liquid fuel (Octane/Petrol/Kerosine/ Diesel/Biodiesel//Furnace oil/Pyrolysis oil	FAME	Diesel Analyzer	4000	7
17	Liquid fuel (Octane/Petrol/Kerosine/ Diesel/Biodiesel//Furnace oil/Pyrolysis oil	Fire point	ASTM D 92	5000	7
18	Liquid fuel (Octane/Petrol/Kerosine/ Diesel/Biodiesel//Furnace oil/Pyrolysis oil	Flash point	ASTM D 93	5000	7



19	Liquid fuel (Octane/Petrol/Kerosine/ Diesel/Biodiesel//Furnace oil/Pyrolysis oil	Methanol	Gasoline Analyzer	4000	7
20	Liquid fuel (Octane/Petrol/Kerosine/ Diesel/Biodiesel//Furnace oil/Pyrolysis oil	MTBE	Gasoline Analyzer	6000	7
21	Liquid fuel (Octane/Petrol/Kerosine/ Diesel/Biodiesel//Furnace oil/Pyrolysis oil	Olefin	Gasoline Analyzer	4000	7
22	Liquid fuel (Octane/Petrol/Kerosine/ Diesel/Biodiesel//Furnace oil/Pyrolysis oil	PNA Aromatics	Diesel Analyzer	4000	7
23	Liquid fuel (Octane/Petrol/Kerosine/ Diesel/Biodiesel//Furnace oil/Pyrolysis oil	Pour point	ASTM D 97	4000	7
24	Liquid fuel (Octane/Petrol/Kerosine/ Diesel/Biodiesel//Furnace oil/Pyrolysis oil	Raw oil	Diesel Analyzer	4000	7
25	Liquid fuel (Octane/Petrol/Kerosine/ Diesel/Biodiesel//Furnace oil/Pyrolysis oil	RON/MON	Gasoline Analyzer	10000	7
26	Liquid fuel (Octane/Petrol/Kerosine/ Diesel/Biodiesel//Furnace oil/Pyrolysis oil	SAT	Gasoline Analyzer	4000	7
27	Liquid fuel (Octane/Petrol/Kerosine/ Diesel/Biodiesel//Furnace oil/Pyrolysis oil	Sediment/Insoluble matter	ASTM D 4000	3000	7
28	Liquid fuel (Octane/Petrol/Kerosine/ Diesel/Biodiesel//Furnace oil/Pyrolysis oil	Sulphur	ASTM D 129	6000	7
29	Liquid fuel (Octane/Petrol/Kerosine/ Diesel/Biodiesel//Furnace oil/Pyrolysis oil	TAME	Gasoline Analyzer	4000	7
30	Liquid fuel (Octane/Petrol/Kerosine/ Diesel/Biodiesel//Furnace oil/Pyrolysis oil	Toluene	Gasoline Analyzer	6000	7
31	Liquid fuel (Octane/Petrol/Kerosine/ Diesel/Biodiesel//Furnace oil/Pyrolysis oil	Total Aromatics	Diesel Analyzer	5000	7
32	Liquid fuel (Octane/Petrol/Kerosine/ Diesel/Biodiesel//Furnace oil/Pyrolysis oil	Total xylene	Gasoline Analyzer	6000	7
33	Liquid fuel (Octane/Petrol/Kerosine/ Diesel/Biodiesel//Furnace oil/Pyrolysis oil	Viscosity (40 & 100 <sup>0</sup> C)	ASTM D 445	5000	7
34	Liquid fuel (Octane/Petrol/Kerosine/ Diesel/Biodiesel//Furnace oil/Pyrolysis oil	Viscosity index	ASTM D 2270	6000	7
35	Liquid fuel (Octane/Petrol/Kerosine/ Diesel/Biodiesel//Furnace oil/Pyrolysis oil	Water content	ASTM D 95	3500	7
36	Lubricating oil/Brake oil/Gear Oil/Transformer oil/Hydraulic oil/Engine oil	Acid value/TAN/TBN	ASTM D 974	5000	7
37	Lubricating oil/Brake oil/Gear Oil/Transformer oil/Hydraulic oil/Engine oil	Aniline point	ASTM D 611	5000	7
38	Lubricating oil/Brake oil/Gear Oil/Transformer oil/Hydraulic oil/Engine oil	Ash content	ASTM D 482	4000	7

39	Lubricating oil/Brake oil/Gear Oil/Transformer oil/Hydraulic oil/Engine oil	Boiling range/Distillation	ASTM D 86	6000	7
40	Lubricating oil/Brake oil/Gear Oil/Transformer oil/Hydraulic oil/Engine oil	Calorific Value (Gross/Net)	Bomb Calorimeter	6000	7
41	Lubricating oil/Brake oil/Gear Oil/Transformer oil/Hydraulic oil/Engine oil	Carbon residue	ASTM D 189	3000	7
42	Lubricating oil/Brake oil/Gear Oil/Transformer oil/Hydraulic oil/Engine oil	Color	Colorimeter	3000	7
43	Lubricating oil/Brake oil/Gear Oil/Transformer oil/Hydraulic oil/Engine oil	Cloud point	ASTM D 97	5000	7
44	Lubricating oil/Brake oil/Gear Oil/Transformer oil/Hydraulic oil/Engine oil	Corrosion	IP 154/59	5000	7
45	Lubricating oil/Brake oil/Gear Oil/Transformer oil/Hydraulic oil/Engine oil	Density/Specific/API gravity	ASTM D1298	3500	7
46	Lubricating oil/Brake oil/Gear Oil/Transformer oil/Hydraulic oil/Engine oil	Flash point	ASTM D 93	5000	7
47	Lubricating oil/Brake oil/Gear Oil/Transformer oil/Hydraulic oil/Engine oil	Fire point	ASTM D 92	5000	7
48	Lubricating oil/Brake oil/Gear Oil/Transformer oil/Hydraulic oil/Engine oil	ISO viscosity Grade	ISO 3448	7000	7
49	Lubricating oil/Brake oil/Gear Oil/Transformer oil/Hydraulic oil/Engine oil	Loss on Evaporation	ASTM D 189	4000	7
50	Lubricating oil/Brake oil/Gear Oil/Transformer oil/Hydraulic oil/Engine oil	Lube oil condition monitoring (additive degradation)	ASTM E 2412	15000	7
51	Lubricating oil/Brake oil/Gear Oil/Transformer oil/Hydraulic oil/Engine oil	pH	pH Meter	2500	7
52	Lubricating oil/Brake oil/Gear Oil/Transformer oil/Hydraulic oil/Engine oil	Pour point	ASTM D 97	4500	7
53	Lubricating oil/Brake oil/Gear Oil/Transformer oil/Hydraulic oil/Engine oil	Sediment/Insoluble matter	ASTM D 4000	3500	7
54	Lubricating oil/Brake oil/Gear Oil/Transformer oil/Hydraulic oil/Engine oil	Sulphur content	ASTM D 129	6000	7
55	Lubricating oil/Brake oil/Gear Oil/Transformer oil/Hydraulic oil/Engine oil	Sulfated Ash	ASTM D 874	5000	7
56	Lubricating oil/Brake oil/Gear Oil/Transformer oil/Hydraulic oil/Engine oil	Viscosity (40 & 100 <sup>o</sup> C)	ASTM D 445	6000	7
57	Lubricating oil/Brake oil/Gear Oil/Transformer oil/Hydraulic oil/Engine oil	Viscosity index	ASTM D 2270	7000	7
58	Lubricating oil/Brake oil/Gear Oil/Transformer oil/Hydraulic oil/Engine oil	Water content	ASTM D 95	4000	7

59	Solid fuel (charcoal/coal/coke/ briquette/Biomass)	Ash content	ASTM D 3174	4000	7
60	Solid fuel (charcoal/coal/coke/ briquette/Biomass)	Bulk density	ASTM D1895	3000	7
61	Solid fuel (charcoal/coal/coke/ briquette/Biomass)	Calorific value	Bomb Calorimeter	6000	7
62	Solid fuel (charcoal/coal/coke/ briquette/Biomass)	C-H-N-S	Elemental Analyzer	8000	7
63	Solid fuel (charcoal/coal/coke/ briquette/Biomass)	C-H-N-S-O	Elemental analyzer	12000	7
64	Solid fuel (charcoal/coal/coke/ briquette/Biomass)	Classification (Coal)	ASTM D 388	15000	7
65	Solid fuel (charcoal/coal/coke/ briquette/Biomass)	Flue gas	Flue gas Analyzer	12000	7
66	Solid fuel (charcoal/coal/coke/ briquette/Biomass)	Fixed carbon	ASTM D 3172	6000	7
67	Solid fuel (charcoal/coal/coke/ briquette/Biomass)	Inherent moisture	ASTM D1412	4500	7
68	Solid fuel (charcoal/coal/coke/ briquette/Biomass)	Mesh Size	Sieve Analysis	5000	7
69	Solid fuel (charcoal/coal/coke/ briquette/Biomass)	Resistivity	Digital Impedance Analyzer	10000	7
70	Solid fuel (charcoal/coal/coke/ briquette/Biomass)	Self-heating value	EPA 1050	25000	7
71	Solid fuel (charcoal/coal/coke/ briquette/Biomass)	Sulphur	ASTM D 129	7000	7
72	Solid fuel (charcoal/coal/coke/ briquette/Biomass)	Sulfated Ash	ASTM D 874	5000	7
73	Solid fuel (charcoal/coal/coke/ briquette/Biomass)	Surface moisture	ASTM C70	4000	7
74	Solid fuel (charcoal/coal/coke/ briquette/Biomass)	Total moisture	Moisture Analyzer	4000	7
75	Solid fuel (charcoal/coal/coke/ briquette/Biomass)	Volatile matter	Muffle Furnace	5000	7
76	Grease	Corrosion	IP 154/59	5000	7
77	Grease	Dropping Point	IP 131/57	4500	7
78	Grease	Moisture/water content	ASTM D 95	4000	7
79	Grease	Penetration Test	IP 50/57	4000	7
80	Battery (IFRD)	Capacity Test	Digital Battery Analyzer	10000	10
81	Battery (IFRD)	Life Cycle	Digital Battery Analyzer	50000	30
82	Battery (IFRD)	Initial Current (Max)	Digital Battery Analyzer	5000	7
83	Battery (IFRD)	Load Test	Digital Battery Analyzer	5000	7
84	Battery (IFRD)	OHM Test/ Internal Resistance	Digital Battery Analyzer	5000	7
85	Solar Charge Controller	(System Voltage, MX Module Current, Mx Load Current) Package	Digital Power Analyzer	10000	7
86	Solar Panel/Module(1-50 watt)	Complete Panel Test (Efficiency, Pmax, Voc, Isc, Vmax, Imax, FF)	Digital Sun Simulator	10000	7
87	Solar Panel/Module(51-120 watt)	Complete Panel/Module Test (Efficiency, Pmax, Voc, Isc, Vmax, Imax, FF)	Digital Sun Simulator	12000	7
88	Electric Bulb (CFL/LED/	Electrical Parameter: Power, Current, voltage, Power Factor	Digital Power Analyzer	10000	7
89					
90	Incandescent)	Optical Parameter:			

91		Lumen,Lux, Correlated Color Temperature (CCT), Color Rendering Index (CRI), Color Ratio, Full Color Spectrum	Digital spectral analyzer	10000	7
92	Solid Materials (Coke breeze, Magnetic dielectric, etc)	Electrical properties (Individual: C, L, R, G, B,D,Q,Z,Y)	Impedance Analyzer	2000	7
93	Solid Materials (Coke breeze, Magnetic dielectric, etc)	Electrical properties (C, L, R, G, B, D, Q, Z, Y: All)	Impedance Analyzer	6000	7
94	Solid/Powder/Film Materials	EDX	130 eV EDX	3000	7
95	Solid/Powder/Film Materials	Film Resistance	Four Point Probe	3000	7
96	Solid/Powder/Film Materials	Hall Effect	0.55 Tesla	5000	7
97	Solid/Powder/Film Materials	SEM Analysis	30KV VP-SEM	4000	7
98	Solid/Powder/Film Materials	UV-VIS-NIR (%R)	190-2600 nm	3000	7
99	Solid/Powder/Film Materials	UV-VIS-NIR (%T)	190-2600 nm	3000	7
100	Solid/Powder/Film Materials	UV-VIS-NIR (ABS)	190-2600 nm	3000	7
101	Solid/Powder/Film Materials	UV-VIS-NIR (E(S), E(R))	240-2600 nm	3000	7
102	Solid/Powder/Film Materials	UV-VIS-NIR (Specular, Diffuse and Total	240-2600 nm	5000	7
103		Reflectance)			
104	Solid/Powder/Film Materials	XRD	GBC XRD	5000 .00	7
105	Solid/Powder/Film Materials (Pharma)	XRD	GBC XRD	20000 .00	7
106	IPS/UPS	Back up time, Charge time, MX output power, Output Voltage, Output Frequency	Digital Power Analyzer, Digital Oscilloscope	10000	7
107	Improved Cook Stove	Thermal Efficiency (hot start, cold start)	WBT	25000	7
108	Improved Cook Stove	Performance	WBT	25000	7
109	Gas stove (Biogas/LNG/LPG)	Thermal Efficiency	WBT	25000	7
110	Biogas	CH <sub>4</sub> , CO <sub>2</sub> , H <sub>2</sub> S, NH <sub>3</sub>	Biogas analyzer	12000	7
111	Natural Gas	CH <sub>4</sub> , CO <sub>2</sub> , H <sub>2</sub> S, NH <sub>3</sub>	GC	15000	7

## BCSIR Laboratories, Chattogram.

Sl. No.	Sample Name	Parameter	Fee (Without VAT)	Working Days
1	Water Test	Acidity	800	
2	Water Test	Alkalinity	800	
3	Water Test	Aluminum	1300	
4	Water Test	Ammonia	1300	
5	Water Test	Arsenic	1300	
6	Water Test	<b>Barium</b>	<b>1200</b>	
7	Water Test	Bi-carbonate	800	
8	Water Test	BOD (Biological Oxygen Demand)	2500	
9	Water Test	Bromide	1500	
10	Water Test	<b>Boron</b>	<b>1500</b>	
11	Water Test	Cadmium	1500	
12	Water Test	Calcium	1300	
13	Water Test	Calcium Hardness	1300	
14	Water Test	Carbonate	600	
15	Water Test	Carbon dioxide	800	
16	Water Test	COD (Chemical Oxygen Demand)	2000	
17	Water Test	Chloride	900	
18	Water Test	Chlorine	900	
19	Water Test	Chromium	1500	
20	Water Test	Cobalt	1500	
21	Water Test	Coliform/Total Coliform	2000	
22	Water Test	Colour	500	
23	Water Test	Conductivity	500	
24	Water Test	Copper	1500	
25	Water Test	<b>Cyanide</b>	<b>1500</b>	
26	Water Test	Dissolve Oxygen (DO)	900	
27	Water Test	<i>E. Coli</i>	2000	
28	Water Test	Electrical conductivity	500	
29	Water Test	Faecal Coliform/ Thermotolerant Coliform	2000	
30	Water Test	Faecal <i>Streptococci</i>	2000	
31	Water Test	Flouride	1300	
32	Water Test	Hydrogen Sulfide	1300	

*Boip*

33	Water Test	Iodine	1300	
34	Water Test	Iron	1300	
35	Water Test	Lead	1300	
36	Water Test	Magnesium	1300	
37	Water Test	Manganese	1500	
38	Water Test			
39	Water Test	Mercury	1500	
40	Water Test	<b>Molybdenum</b>	<b>1300</b>	
41	Water Test	Nickel	1200	
42	Water Test	Nitrate	1300	
43	Water Test	Nitrite	900	
44	Water Test	Nitrogen	2000	
45	Water Test	Oil & Grease	1500	
46	Water Test	pH	500	
47	Water Test	Phosphate	1200	
48	Water Test	Phosphorous	1300	
49	Water Test	Potassium	1300	
50	Water Test	<i>Pseudomonas aeruginosa</i>	2000	
51	Water Test	Residual Chlorine	900	
52	Water Test	Reactive Silica	1500	
53	Water Test	Salinity	900	
54	Water Test	<i>Salmonella</i> spp.	2000	
55	Water Test	<i>Shigella</i> spp.	2000	
56	Water Test	Silica	1500	
57	Water Test	Silver	1500	
58	Water Test	Sodium	1300	
59	Water Test	Strontium	1300	
60	Water Test	Sulfate	1300	
61	Water Test	Sulfide	1300	
62	Water Test	Suspended Solids	900	
63	Water Test	Taste & odor	600	
64	Water Test	Temperature	500	
65	Water Test	Tin	800	
66	Water Test	Total Aerobic Bacterial Count/TVC	1000	
67	Water Test	Total Dissolve Solids (TDS)	800	
68	Water Test	Total Hardness	800	
69	Water Test	Total Solids	800	

70	Water Test	Total Suspended Solids(TSS)	900	
71	Water Test	Toxicity (Acute)	6000	
72	Water Test	Turbidity	1300	
73	Water Test	<i>Vibrio Cholera</i>	2000	
74	Water Test	Zinc	1300	
75	Water Test			
<b>76</b>	<b>Food Products Test Fee (Foods, Fruits, Tea, Fish, Poultry &amp; Fish Feed etc.)</b>	<b>Acid insoluble Ash</b>	<b>2000</b>	
77	Food Products Test Fee (Foods, Fruits, Tea, Fish, Poultry & Fish Feed etc.)	Acid soluble ash	2000	
78	Food Products Test Fee (Foods, Fruits, Tea, Fish, Poultry & Fish Feed etc.)	Alkalinity of W/S Ash (Tea)	2000	
79	Food Products Test Fee (Foods, Fruits, Tea, Fish, Poultry & Fish Feed etc.)	Alkaline phosphatase (Ice cream)	3000	
80	Food Products Test Fee (Foods, Fruits, Tea, Fish, Poultry & Fish Feed etc.)	Aluminum	2000	
81	Food Products Test Fee (Foods, Fruits, Tea, Fish, Poultry & Fish Feed etc.)	Arsenic	2500	
82	Food Products Test Fee (Foods, Fruits, Tea, Fish, Poultry & Fish Feed etc.)	Bulk Density	2000	
83	Food Products Test Fee (Foods, Fruits, Tea, Fish, Poultry & Fish Feed etc.)	Bovine Test	3800	
84	Food Products Test Fee (Foods, Fruits, Tea, Fish, Poultry & Fish Feed etc.)	Bromide (IC)	2000	
85	Food Products Test Fee (Foods, Fruits, Tea, Fish, Poultry & Fish Feed etc.)	Caffeine (HPLC)	6000	
86	Food Products Test Fee (Foods, Fruits, Tea, Fish, Poultry & Fish Feed etc.)	Calcium	2000	
87	Food Products Test Fee (Foods, Fruits, Tea, Fish, Poultry & Fish Feed etc.)	Cadmium	2000	
88	Food Products Test Fee (Foods, Fruits, Tea, Fish, Poultry & Fish Feed etc.)	Chloride (IC)	2000	
89	Food Products Test Fee (Foods, Fruits, Tea, Fish, Poultry & Fish Feed etc.)	Chromium	2000	
90	Food Products Test Fee (Foods, Fruits, Tea, Fish, Poultry & Fish Feed etc.)	Cobalt	2000	
91	Food Products Test Fee (Foods, Fruits, Tea, Fish, Poultry & Fish Feed etc.)	Coliform/Total Coliform	2000	

92	Food Products Test Fee (Foods, Fruits, Tea, Fish, Poultry & Fish Feed etc.)	Copper	2000	
93	Food Products Test Fee (Foods, Fruits, Tea, Fish, Poultry & Fish Feed etc.)	Crude Fiber	2000	
94	Food Products Test Fee (Foods, Fruits, Tea, Fish, Poultry & Fish Feed etc.)	Energy	3000	
95	Food Products Test Fee (Foods, Fruits, Tea, Fish, Poultry & Fish Feed etc.)	<i>E. Coli</i>	2000	
96	Food Products Test Fee (Foods, Fruits, Tea, Fish, Poultry & Fish Feed etc.)	Faecal Coliform/ Thermotolerant Coliform	2000	
97	Food Products Test Fee (Foods, Fruits, Tea, Fish, Poultry & Fish Feed etc.)	Free Fatty Acid as Oleic acid	2000	
98	Food Products Test Fee (Foods, Fruits, Tea, Fish, Poultry & Fish Feed etc.)	Formalin (Kit Test)	3000	
99	Food Products Test Fee (Foods, Fruits, Tea, Fish, Poultry & Fish Feed etc.)	Formalin (HPLC)	6000	
100	Food Products Test Fee (Foods, Fruits, Tea, Fish, Poultry & Fish Feed etc.)	Fluoride (IC)	2000	
101	Food Products Test Fee (Foods, Fruits, Tea, Fish, Poultry & Fish Feed etc.)	Iron	2000	
102	Food Products Test Fee (Foods, Fruits, Tea, Fish, Poultry & Fish Feed etc.)	Insoluble Impurities	1000	
103	Food Products Test Fee (Foods, Fruits, Tea, Fish, Poultry & Fish Feed etc.)	Lead	2000	
104	Food Products Test Fee (Foods, Fruits, Tea, Fish, Poultry & Fish Feed etc.)	Mercury	2500	
105	Food Products Test Fee (Foods, Fruits, Tea, Fish, Poultry & Fish Feed etc.)	Magnesium	2000	
106	Food Products Test Fee (Foods, Fruits, Tea, Fish, Poultry & Fish Feed etc.)	Manganese	2000	
107	Food Products Test Fee (Foods, Fruits, Tea, Fish, Poultry & Fish Feed etc.)	Moisture	1000	
108	Food Products Test Fee (Foods, Fruits, Tea, Fish, Poultry & Fish Feed etc.)	Nitrate (IC)	2000	
109	Food Products Test Fee (Foods, Fruits, Tea, Fish, Poultry & Fish Feed etc.)	Nitrite (IC)	2000	
110	Food Products Test Fee (Foods, Fruits, Tea, Fish, Poultry & Fish Feed etc.)	Nickel	2000	



111	Food Products Test Fee (Foods, Fruits, Tea, Fish, Poultry & Fish Feed etc.)	Organic Matter	2000	
112	Food Products Test Fee (Foods, Fruits, Tea, Fish, Poultry & Fish Feed etc.)			
113	Food Products Test Fee (Foods, Fruits, Tea, Fish, Poultry & Fish Feed etc.)	Protein	3000	
114	Food Products Test Fee (Foods, Fruits, Tea, Fish, Poultry & Fish Feed etc.)	pH	1000	
115	Food Products Test Fee (Foods, Fruits, Tea, Fish, Poultry & Fish Feed etc.)	Phosphate (IC)	2000	
116	Food Products Test Fee (Foods, Fruits, Tea, Fish, Poultry & Fish Feed etc.)	Porcine Test	3800	
117	Food Products Test Fee (Foods, Fruits, Tea, Fish, Poultry & Fish Feed etc.)	Potassium	2000	
118	Food Products Test Fee (Foods, Fruits, Tea, Fish, Poultry & Fish Feed etc.)	<i>Pseudomonas aeruginosa</i>	2000	
119	Food Products Test Fee (Foods, Fruits, Tea, Fish, Poultry & Fish Feed etc.)	Sodium	2000	
120	Food Products Test Fee (Foods, Fruits, Tea, Fish, Poultry & Fish Feed etc.)	Sulphate (IC)	2000	
121	Food Products Test Fee (Foods, Fruits, Tea, Fish, Poultry & Fish Feed etc.)	Sugar (HPLC)	6000	
122	Food Products Test Fee (Foods, Fruits, Tea, Fish, Poultry & Fish Feed etc.)	<i>Shigella</i> spp.	2000	
123	Food Products Test Fee (Foods, Fruits, Tea, Fish, Poultry & Fish Feed etc.)	<i>Salmonella</i> spp.	2000	
124	Food Products Test Fee (Foods, Fruits, Tea, Fish, Poultry & Fish Feed etc.)	<i>Staphylococcus aureus</i>	2000	
125	Food Products Test Fee (Foods, Fruits, Tea, Fish, Poultry & Fish Feed etc.)	Taste & Odor	1000	
126	Food Products Test Fee (Foods, Fruits, Tea, Fish, Poultry & Fish Feed etc.)	Total Aerobic Bacterial Count/TVC	1500	
127	Food Products Test Fee (Foods, Fruits, Tea, Fish, Poultry & Fish Feed etc.)	Total Organic Carbon	2000	
128	Food Products Test Fee (Foods, Fruits, Tea, Fish, Poultry & Fish Feed etc.)	Total Fat	1500	
129	Food Products Test Fee (Foods, Fruits, Tea, Fish, Poultry & Fish Feed etc.)	Total Carbohydrate	2000	

130	Food Products Test Fee (Foods, Fruits, Tea, Fish, Poultry & Fish Feed etc.)	Total Ash (salt)	2000	
131	Food Products Test Fee (Foods, Fruits, Tea, Fish, Poultry & Fish Feed etc.)	Toxicity (Acute)	6000	
132	Food Products Test Fee (Foods, Fruits, Tea, Fish, Poultry & Fish Feed etc.)	Tin	2000	
133	Food Products Test Fee (Foods, Fruits, Tea, Fish, Poultry & Fish Feed etc.)	Unsapoifiable matter	2000	
134	Food Products Test Fee (Foods, Fruits, Tea, Fish, Poultry & Fish Feed etc.)	<i>Vibrio Cholerae</i>	2000	
135	Food Products Test Fee (Foods, Fruits, Tea, Fish, Poultry & Fish Feed etc.)	Viscosity	1500	
136	Food Products Test Fee (Foods, Fruits, Tea, Fish, Poultry & Fish Feed etc.)	Water Soluble Ash (Tea)	2000	
137	Food Products Test Fee (Foods, Fruits, Tea, Fish, Poultry & Fish Feed etc.)	Water Extract percentage (Tea)	2000	
138	Food Products Test Fee (Foods, Fruits, Tea, Fish, Poultry & Fish Feed etc.)	Yeast & Mould Count	1500	
139	Food Products Test Fee (Foods, Fruits, Tea, Fish, Poultry & Fish Feed etc.)	Zinc	2000	
140	Food Products Test Fee (Foods, Fruits, Tea, Fish, Poultry & Fish Feed etc.)			
<b>141</b>	<b>Cosmetic Products Test Fee (Soap, Shampoo, Skin Cream, Toothpaste etc)</b>	<b>Aluminum</b>	<b>2000</b>	
142	Cosmetic Products Test Fee (Soap, Shampoo, Skin Cream, Toothpaste etc)	Antimony	2000	
143	Cosmetic Products Test Fee (Soap, Shampoo, Skin Cream, Toothpaste etc)	Arsenic	2500	
144	Cosmetic Products Test Fee (Soap, Shampoo, Skin Cream, Toothpaste etc)	Cadmium	2000	
145	Cosmetic Products Test Fee (Soap, Shampoo, Skin Cream, Toothpaste etc)	Calcium	2000	
146	Cosmetic Products Test Fee (Soap, Shampoo, Skin Cream, Toothpaste etc)	Chromium	2000	
147	Cosmetic Products Test Fee (Soap, Shampoo, Skin Cream, Toothpaste etc)	Cobalt	2000	
148	Cosmetic Products Test Fee (Soap, Shampoo, Skin Cream, Toothpaste etc)	Coliform/Total Coliform	2000	

149	Cosmetic Products Test Fee (Soap, Shampoo, Skin Cream, Toothpaste etc	<i>E. Coli</i>	2000	
150	Cosmetic Products Test Fee (Soap, Shampoo, Skin Cream, Toothpaste etc	Faecal Coliform/ Thermotolerant Coliform	2000	
151	Cosmetic Products Test Fee (Soap, Shampoo, Skin Cream, Toothpaste etc	Fluoride (IC)	2000	
152	Cosmetic Products Test Fee (Soap, Shampoo, Skin Cream, Toothpaste etc	Iron	2000	
153	Cosmetic Products Test Fee (Soap, Shampoo, Skin Cream, Toothpaste etc	Lead	2000	
154	Cosmetic Products Test Fee (Soap, Shampoo, Skin Cream, Toothpaste etc	Magnesium	2000	
155	Cosmetic Products Test Fee (Soap, Shampoo, Skin Cream, Toothpaste etc	Manganese	2000	
156	Cosmetic Products Test Fee (Soap, Shampoo, Skin Cream, Toothpaste etc			
157	Cosmetic Products Test Fee (Soap, Shampoo, Skin Cream, Toothpaste etc	Mercury	2500	
158	Cosmetic Products Test Fee (Soap, Shampoo, Skin Cream, Toothpaste etc	Nickel	2000	
159	Cosmetic Products Test Fee (Soap, Shampoo, Skin Cream, Toothpaste etc	pH	1000	
160	Cosmetic Products Test Fee (Soap, Shampoo, Skin Cream, Toothpaste etc	<i>Pseudomonas aeruginosa</i>	2000	
161	Cosmetic Products Test Fee (Soap, Shampoo, Skin Cream, Toothpaste etc	<i>Salmonella</i> spp.	2000	
162	Cosmetic Products Test Fee (Soap, Shampoo, Skin Cream, Toothpaste etc	<i>Shigella</i> spp.	2000	
163	Cosmetic Products Test Fee (Soap, Shampoo, Skin Cream, Toothpaste etc	Silver	2000	
164	Cosmetic Products Test Fee (Soap, Shampoo, Skin Cream, Toothpaste etc	<i>Staphylococcus aureus</i>	2000	
165	Cosmetic Products Test Fee (Soap, Shampoo, Skin Cream, Toothpaste etc	Skin Irritation Test	6000	
166	Cosmetic Products Test Fee (Soap, Shampoo, Skin Cream, Toothpaste etc	Tin	2000	
167	Cosmetic Products Test Fee (Soap, Shampoo, Skin Cream, Toothpaste etc	Total Aerobic Bacterial Count/TVC	1500	

168	<b>Cosmetic Products Test Fee (Soap, Shampoo, Skin Cream, Toothpaste etc</b>	<b>Total coliform</b>	<b>2000</b>	
169	Cosmetic Products Test Fee (Soap, Shampoo, Skin Cream, Toothpaste etc	Yeast & Mould Count	2000	
170	Cosmetic Products Test Fee (Soap, Shampoo, Skin Cream, Toothpaste etc	Zinc	2000	
171	Cosmetic Products Test Fee (Soap, Shampoo, Skin Cream, Toothpaste etc			
<b>172</b>	<b>Oil Test Fee (Oils, Fats etc</b>	<b>Acid Value</b>	<b>2000</b>	
173	Oil Test Fee (Oils, Fats etc	Arsenic	2500	
174	Oil Test Fee (Oils, Fats etc	Aluminum	2000	
175	Oil Test Fee (Oils, Fats etc	Copper	2000	
176	Oil Test Fee (Oils, Fats etc	Cobalt	2000	
177	Oil Test Fee (Oils, Fats etc	Cadmium	2000	
178	Oil Test Fee (Oils, Fats etc	Chromium	2000	
179	Oil Test Fee (Oils, Fats etc	Energy	3000	
180	Oil Test Fee (Oils, Fats etc	Fat	1500	
181	Oil Test Fee (Oils, Fats etc	Flash point	2000	
182	Oil Test Fee (Oils, Fats etc	Free Fatty Acid as Oleic Acid	2000	
183	Oil Test Fee (Oils, Fats etc	Insoluble Impurities	1000	
184	Oil Test Fee (Oils, Fats etc	Iodine Value	2000	
185	Oil Test Fee (Oils, Fats etc	Iron	2000	
186	Oil Test Fee (Oils, Fats etc	Lead	2000	
187	Oil Test Fee (Oils, Fats etc			
188	Oil Test Fee (Oils, Fats etc	Moisture	1000	
189	Oil Test Fee (Oils, Fats etc	Mercury	2000	
190	Oil Test Fee (Oils, Fats etc	Manganese	2000	
191	Oil Test Fee (Oils, Fats etc	Melting Point	2000	
192	Oil Test Fee (Oils, Fats etc	Nickel	2000	
193	Oil Test Fee (Oils, Fats etc	Peroxide value	2000	
194	Oil Test Fee (Oils, Fats etc	Phosphorous	1500	
195	Oil Test Fee (Oils, Fats etc	Protein	3000	
196	Oil Test Fee (Oils, Fats etc	Saponification Value	2000	
197	Oil Test Fee (Oils, Fats etc	Silver	2000	
198	Oil Test Fee (Oils, Fats etc	Skin Irritation Test	6000	
199	Oil Test Fee (Oils, Fats etc	Tin	2000	
200	Oil Test Fee (Oils, Fats etc	Toxicity (Acute)	6000	
201	Oil Test Fee (Oils, Fats etc	Unsaponifiable Matter	2000	

202	Oil Test Fee (Oils, Fats etc	Zinc	2000	
203	Oil Test Fee (Oils, Fats etc			
<b>204</b>	<b>Sand, Soil, Stone, Metal Alloy &amp; Sludge</b>	<b>Aluminum</b>	<b>2000</b>	
205	Sand, Soil, Stone, Metal Alloy & Sludge	Arsenic	2500	
206	Sand, Soil, Stone, Metal Alloy & Sludge	BOD (Biological Oxygen Demand)	3000	
207	Sand, Soil, Stone, Metal Alloy & Sludge	Cadmium	2000	
208	Sand, Soil, Stone, Metal Alloy & Sludge	Calcium	2000	
209	Sand, Soil, Stone, Metal Alloy & Sludge	Chromium	2000	
210	Sand, Soil, Stone, Metal Alloy & Sludge	Cobalt	2000	
211	Sand, Soil, Stone, Metal Alloy & Sludge	Copper	2000	
212	Sand, Soil, Stone, Metal Alloy & Sludge	COD (Chemical Oxygen Demand)	2500	
213	Sand, Soil, Stone, Metal Alloy & Sludge	Iron	2000	
214	Sand, Soil, Stone, Metal Alloy & Sludge	Lead	2000	
215	Sand, Soil, Stone, Metal Alloy & Sludge	Magnesium	2000	
216	Sand, Soil, Stone, Metal Alloy & Sludge	Manganese	2000	
217	Sand, Soil, Stone, Metal Alloy & Sludge			
<b>218</b>	<b>5+A219:A250</b>	<b>Mercury</b>	<b>2500</b>	
219	5+A219:A251	Metal (Any) as Oxide	2500	
220	5+A219:A252	Moisture	1000	
221	5+A219:A253	Nickel	2000	
222	5+A219:A254	Oil & Grease	2000	
223	5+A219:A255	pH	1000	
224	5+A219:A256	Potassium	2000	
225	5+A219:A257	Sodium	2000	
226	5+A219:A258	Silver	2000	
227	5+A219:A259	Silica	2500	
228	5+A219:A260	Tin	2000	
229	5+A219:A261	Zinc	2000	
230	5+A219:A262			
231	5+A219:A263	Arsenic	2500	
232	5+A219:A264	Concentration	2500	
233	5+A219:A265	Decomposition rate (H <sub>2</sub> O <sub>2</sub> )	1500	
234	5+A219:A266	Mercury	2500	
235	5+A219:A267	Moisture	1000	
236	5+A219:A268	Metal (Any)	2000	
237	5+A219:A269	pH	500	

238	5+A219:A270	Purity of chemical (If Possible)	2500	
239	5+A219:A271	Purity of CaCO <sub>3</sub>	2500	
240	5+A219:A272			
241	5+A219:A273	Purity of Na <sub>2</sub> CO <sub>3</sub>	2500	
242	5+A219:A274	Purity of NaOH	2500	
243	5+A219:A275	Purity of Boric Acid	2500	
244	5+A219:A276	Purity of Borax	2500	
245	5+A219:A277	Skin Irritation Test [H. Medicine]	6000	
246	5+A219:A278	Solubility in Water	1500	
247	5+A219:A279	Specific gravity (w/ml)	1500	
248	5+A219:A280	TDS (Herbal Medicine)	1500	
249	5+A219:A281	Toxicity (Actue) [H. Medicine]	6000	
250	5+A219:A282			
<b>251</b>	<b>Fertilizer &amp; Salt</b>	<b>Arsenic</b>	<b>2500</b>	
252	Fertilizer & Salt	Insoluble Matter (Salt)	1000	
253	Fertilizer & Salt	K <sub>2</sub> O % by weight (MOP)	3000	
254	Fertilizer & Salt	Magnesium (Salt)	2000	
255	Fertilizer & Salt	Metal (Any) in salt/Fertilizer	2000	
256	Fertilizer & Salt	Mercury	2500	
257	Fertilizer & Salt	Moisture	1000	
258	Fertilizer & Salt			
259	Fertilizer & Salt	Nitrogen Content % (UREA)	3000	
260	Fertilizer & Salt	P <sub>2</sub> O <sub>5</sub> % by weight (TSP)	3000	
261	Fertilizer & Salt	Solubility in Water	1500	
262	Fertilizer & Salt	Sodium Chloride (Salt)	4000	
263	Fertilizer & Salt	Sulfate (Salt)	1500	
264	Fertilizer & Salt	Zinc Sulphate %	3000	
265	Fertilizer & Salt			
<b>266</b>	<b>Miscellaneous</b>	<b>Color (Polyacrylamide Resin)</b>	<b>500</b>	
267	Miscellaneous	GC-MS Analysis	10000	
268	Miscellaneous	IR spectroscopy	5000	
269	Miscellaneous	IR 3535 (Mosquito repellent)	6000	

270	Miscellaneous	Ionic Charge (Polyacryl. Resin)	500	
271	Miscellaneous	Growth Promotion Test of Bacteriological Media [Fees may vary depend on Media]	2500	
272	Miscellaneous			
273	Miscellaneous	Swab Test-TVC (Materials)	1500	
274	Miscellaneous	Swab Test-Yeast & Mold Count (Materials)	1500	
275	Miscellaneous	Solubility (Polyacryl. Resin)	1500	
276	Miscellaneous	Viscosity (Polyacryl. Resin)	1500	
277	Miscellaneous	XRF Analysis	5000	



## Institute of Glass & Ceramic Research and Testing (IGCRT)

Sl. No	Name of Sample	Test Parameter	Instruments Name	Fee (Without VAT)	Working Days
1	Tiles	Abrasion Resistance		3000	7
2	Inorganic Chemicals	Acidity		3000	7
3	Cement	Air Content		6000	7
4	Inorganic Pigment/Red Iron Oxide	Alkali Resistant		3000	7
5	Cement Clinker (IGCRT)	Alumina		3000	7
6	Alloy/Bauxite/Alum/Boiler Scale/Bowl/Brick/Cement Clinker/Ceramic Glazes/Ceramic Raw Materials/Clay/Dicalcium Phosphate/Dolomite/Earthen Wares/Enamel Finished Products/Enamel Raw Materials/Feldspar/Fly Ash/Glass/Gypsum/Lime Stone/Mineral Sample/Liquid Sample/Mug/Plate/Porcelain Wares/Refractory Material/Rice Husk Ash/Rock/Sand /Slag/Stone Wares/Quartz/Solid unknown Samples/Castable Material/Ceramic Finished Products/Inorganic Chemicals/Stone Aggregate	Aluminium		3000	7
7	Zeolite	Aluminium Oxide (Al <sub>2</sub> O <sub>3</sub> )		3000	7
8	Alloy	Antimony		5000	7
9	Antimonial Lead/Glass/Mineral Sample	Antimony		5000	7
10	Glass	Arsenic in the surface glass test extraction solution		5000	7
11	Alloy	Arsenic		3000	7
12	Antimonial Lead/Glass/Mineral Sample/Liquid Sample/Solid unknown Samples/Inorganic Chemicals/Water/Drinking Water	Arsenic		5000	7
13	Ceramic Glazes/Sulphur	Ash		3000	7
14	Inorganic Pigment	Atmospheric Curing Stability		10000	7
15	Alloy/Ceramic Glazes/Ceramic Material/Ceramic Raw Materials/Ceramic Tablewares/Clay/Dolomite/Earthen Wares/Enamel Finished Products/Feldspar/Inorganic Pigment/Lime Stone/Glass/Porcelain Wares/Quartz/Stone Wares/Sand/Ceramic Finished Products	Barium		5000	7
16	Chromium Oxide	Basicity		4000	7
17	Inorganic Chemicals	Basicity		3000	7
18	Ceramic Material-(IGCRT)	Bending Strength		3000	7

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19	Ceramic Finished Products	Biscuit Fire (for two burners) per batch		1200	7
20	Alloy/Glass/Mineral Sample/Inorganic Chemicals	Bismuth		3000	7
21	Alloy	Boron		5000	7
22	Clay/Bowl/Dolomite/Enamel Raw Materials/Enamel Finished Products/Feldspar/Mug/Plate/Lime Stone/Quartz/Sand	Boron		3000	7
23	Clay (IGCRT)	Bulk Density		3000	7
24	Cement Clinker (IGCRT)	C2S		3200	7
25	Cement Clinker (IGCRT)	C3A		3200	7
26	Cement Clinker (IGCRT)	C3S		3200	7
27	Cement Clinker (IGCRT)	C4AF		3200	7
28	Alloy/Bowl/Calcium Additive/Ceramic Raw Materials/Ceramic Tablewares/Diammonium Hydrogen Phosphate/Clay/Earthen Wares/Cold Lime/Dolomite/Enamel Finished Products/Enamel Raw Materials/Feldspar/Glass/Lime Stone/Liquid Sample/Mug/Mineral Sample/Plate/Porcelain Wares/Quartz/Sand /Solid unknown Samples/Stone Wares/Castable Material/Ceramic Finished Product/Inorganic Chemicals	Cadmium		5000	7
29	Alloy/Bauxite/Boiler Scale/Bowl/Brick/Cement Clinker/Clay /Lithopone/Dicalcium Phosphate/Dolomite/Earthen Wares/Feldspar/Lime Stone/Enamel Finished Products/Enamel Raw Materials/Fly Ash/Glass/Liquid Sample/Gypsum/Lithopone/Mug/Magnesium Sulfate/Mineral Sample/Porcelain Wares/Plate/Quartz/Rice Husk Ash/Rock/Sand /Slag/Solid unknown Samples/Stone Wares/Castable Material/Ceramic Finished Product/Water/Drinking Water/Stone Aggregate	Calcium		3000	7
30	Refractory Material(IGCRT)	Calcium		6000	7
31	Stone/Lime Stone/Lime Powder	Calcium		3000	7
32	Tiles/Zeolite	Calcium Oxide		3000	7
33	Fly Ash	Carbon Content		3000	7

34	Cement (OPC/PCC)	Chemical Analysis (Silica, Alumina, Calcium Oxide, Magnesium Oxide, Iron(III) Oxide, IR, Loss on ignition(LOI)		39000	15
35	Cement Clinker (IGCRT)	Chemical Analysis (Silica, Alumina, Calcium Oxide, Magnesium Oxide, Iron(III) Oxide, IR, Loss on ignition(LOI)		41000	15
36	Cement Clinker (IGCRT)	Chemical Analysis (Silica, Alumina, Calcium Oxide, Magnesium Oxide, Iron(III) Oxide, IR, Loss on ignition(LOI) With C2S, C3S, C3A, C4AF.		45000	15
37	Cement (OPC/PCC)	Chemical Analysis (Silica, Alumina, Calcium Oxide, Magnesium Oxide, Iron(III) Oxide, IR, Loss on ignition(LOI) With C2S, C3S, C3A, C4AF.		43000	15
38	Brick	Chemical Composition		21000	7
39	Inorganic Pigment/Lime Stone/Quartz/Sand/Dolomite/Feldspar/Ceramic Glazes/Glass/Bauxite/All Types of Inorganic Pigments	Chemical Composition		10000	7
40	Clay (IGCRT)	Chemical Composition, Chemical Analysis (Silica, Alumina, Calcium Oxide, Magnesium Oxide, Iron(III) Oxide, IR, Loss on ignition(LOI)		20000	15
41	Cement Clinker (IGCRT)	Choloride		5000	7
42	Inorganic Acids/Cold Lime/Phosphoric Acid/Calcium Additive/Alum/Sulphuric Acid/Inorganic Chemicals/Cement Admixture/Zeolite	Choloride		3000	7
43	Chromium Oxide/Alloy/Glass/Mineral Sample/Inorganic Chemicals/Zeolite	Chromium		5000	7
44	Liquid Sample/Solid unknown Samples/Water/Drinking Water	Chromium		3000	7

45	Glass/Alloy/Mineral Sample	Cobalt		3000	7
46	Alum	Combined Alumina		3000	7
47	Cement Clinker (IGCRT)	Compressive Strenght : 3, 7 and 28 Days		9000	7
48	Cement (OPC)	Consistency (Normal)		3000	2
49	Antimonial Lead/Alloy	Copper		5000	7
50	Liquid Sample/Glass/Mineral Sample/Solid unknown Samples/Water/Drinking Water	Copper		3000	7
51	Mineral Sample	Cyanide		3000	7
52	Alum/Black Iron Oxide/Inorganic Pigment/Red Iron Oxide/Inorganic Chemicals/Cement Admixture	Density		3000	7
53	Brick/Cement Clinker/Glass/Refractory Material/Rock/Stone Aggregate	Density (Bulk)		3000	7
54	Solid (IGCRT)	Dilatometry (upto 1200Å°C with Cooling Curve)		5000	7
55	Solid (IGCRT)	Dilatometry (upto 1200Å°C)		4000	7
56	Solid (IGCRT)	Dilatometry (upto 1500Å°C with Cooling Curve)		6000	7
57	Solid (IGCRT)	Dilatometry (upto 1500Å°C)		5000	7
58	Solid (IGCRT)	Dilatometry combine with TGA/DSC		10000	10
59	Solid (IGCRT)	Dilatometry combine with TGA/DSC included Cooling curve		11000	10
60	Solid (IGCRT)	Dilatometry combine with TGA/DSC included CTE		11000	10
61	Cement Admixture	Dry Material content		5000	7
62	Brick	Efflorescence Test		5000	7
63	Powder	Element / Elemental oxide (Fusion bead method by WDXRF)		12000	7
64	Powder	Element / Elemental oxide (Geo-quant method by WDXRF)		14000	7
65	Powder / Glass / Metal	Element / Elemental oxide (Press pellet method by WDXRF)		10000	7
66	Zinc Ash/Zinc Dust	Ferric oxide		3000	7
67	Stone	Ferrous Sulphate		6000	7

68	Stone Aggregate	Ferrus Sulfied, FeS		3000	7
69	Cement Clinker (IGCRT)	Fineness		5000	7
70	Phosphoric Acid/Inorganic Acids/Sulphuric Acid	Fluoride		3000	7
71	Alum/Magnesium Sulfate/Inorganic Chemicals	Free Acid		3000	7
72	Cement Clinker (IGCRT)	Free Lime		7000	7
73	Powder, pallet, liquid, thin film, film	FTIR-ATR analysis		4000	7
74	Sheet Glass	FT-NIR analysis		2500	7
75	Powder Material	Functional Group		5000	7
76	Solid unknown Samples	Functional Group Analysis		3000	7
77	Stone/Glass	General Comments		1500	7
78	Ceramic Finished Products	Glaze Fire (for two burners) per batch		3500	7
79	Alloy	Gold		10000	7
80	Inorganic Acids/Sulphuric Acid/Phosphoric Acid	Gypsum		3000	7
81	Cement Clinker (IGCRT)	HM		3000	7
82	Glass	Hydrolytic resistance of glass after surface etching		5000	7
83	Glass	Hydrolytic resistance of glass grains at 121 (degree celcius)		5000	7
84	Glass	Hydrolytic resistance of interior surface of glass container		5000	7
85	Powder	Hysteresis Loop (Room temperature) by Vibrating sample magnetometer (VSM)		6000	7
86	Powder	First order reversal curve (Room temperature) by Vibrating sample magnetometer (VSM)		6000	7
87	Caustic Soda/Inorganic Chemicals	Impurities		10000	7
88	Magnesium Sulfate/Potassium Silicate	Insoluble Part		2000	7
89	Red Iron Oxide/Black Iron Oxide/Inorganic Chemicals	Insoluble Part		3000	7
90	Gypsum/Cement Clinker	Insoluble Residue (IR)		3000	7
91	Alum	Insoluble Substance		2000	7
92	Cement Clinker (IGCRT)	IR and SO <sub>3</sub>		6000	7

93	Alloy/Alum/Antimonial Lead/Bauxite/Black Iron Oxide/Boiler Scale/Ceramic Glazes/Ceramic Raw Materials/Clay /Dicalcium Phosphate/Dolomite/Feldspar/Fly Ash/Gypsum/Inorganic Acids/Lime Stone/Liquid Sample/Glass/Mineral Sample/Phosphoric Acid/Quartz/Rice Husk Ash/Rock/Sand/Slag/Solid unknown Samples/Sulphuric Acid/Inorganic Chemicals/Stone Aggregate/Stone	Iron		3000	7
94	Brick/Cement Clinker/Refractory Material/Castable Material	Iron		5000	7
95	Zeolite	Iron Oxide (Fe <sub>2</sub> O <sub>3</sub> )		3000	7
96	Alloy/Antimonial Lead/Calcium Additive/Ceramic Raw Materials/Ceramic Tablewares/Cold Lime/Diammonium Hydrogen Phosphate (DAP)/Dolomite/Clay/Earthen Wares/Enamel Finished Products/Enamel Raw Materials/Feldspar/Liquid Sample/Mineral Sample/Mug/Plate/Porcelain Wares/Lime Stone/Quartz/Sand/Solid unknown Samples/Stone Wares/Glass/Sulphur/Ceramic Artical/Inorganic Chemicals/Water/Drinking Water/Bowl/Ceramic Finished Products	Lead		5000	7
97	Dry Horns Lead	Lead acetate Basic		5000	7
98	Ceramic Tablewares	Lead and Cadmium		10000	7
99	Dry Horns Lead	Lead Oxide		5000	7
100	Tiles	Length and Width		2000	7
101	Inorganic Pigment	Light Resistant : 28 days		10000	7
102	Tiles	Liner Thermal Expansion		3000	7
103	Clay (IGCRT)	Liquid Limit,Plastic Limit And Plasticity index		15000	7
104	Bauxite/Black Iron Oxide/Ceramic Raw Materials/Clay /Dolomite/Inorganic Pigment/Lime Stone/Feldspar/Fly Ash/Lime Stone/Red Iron Oxide/Rice Husk Ash/Rock/Slag/Stone Aggregate/Zeolite	LOI (Loss on Ignition)		2000	7
105	Brick/Cement Clinker/Quartz/Refractory Material/Sand/Castable Material	LOI (Loss on Ignition)		3000	7
106	Tiles	Loss on ignition		3000	7
107	Cement Clinker (IGCRT)	LSF		10000	7

108	Alloy/Bauxite/Boiler Scale/Bowl/Brick/Cement Clinker/Ceramic Glazes/Cement Clinker/Ceramic Raw Materials/Calcium Additive/Clay /Cold Lime/Dolomite/Earthen Wares/Enamel Finished Products/Enamel Raw Materials/Feldspar/Fly Ash/Glass/Gypsum/Inorganic Acids/Lime Stone/Liquid Sample/Magnesium Sulfate/Mineral Sample/Mug/Porcelain Wares/Phosphoric Acid/Quartz/Plate/Rice Husk Ash/Refractory Material/Rock/Sand/Stone Wares/Sulphuric Acid/Slag/Solid unknown Samples/Ceramic Finished Products/Inorganic Chemicals/Zeolite/Water/Drinking Water/Stone Aggregate/Lime Powder	Magnesium		3000	7
109	Castable Material	Magnesium		6000	7
110	Tiles	Magnesium Oxide		3000	7
111	Liquid Sample/Mineral Sample/Solid unknown Samples/Water/Drinking Water	Manganese		3000	7
112	Alloy	Mercury		5000	7
113	Ceramic Raw Materials/Bowl/Clay /Dolomite/Earthen Wares/Enamel Finished Products/Enamel Raw Materials/Feldspar/Glass/Lime Stone/Mug/Plate/Porcelain Wares/Quartz/Stone Wares/Ceramic Finished Products/Sand	Mercury (Hg <sub>2</sub> O)		5000	7
114	Bowl/Earthen Wares/Clay/Ceramic Raw Materials/Dolomite/Enamel Finished Products/Enamel Raw Materials/Feldspar/Glass/Lime Stone/Mug/Plate/Porcelain Wares/Quartz/Stone Wares/Ceramic Finished Products/Sand	Mercury (HgO)		5000	7
115	Lime Stone(IGCRT)	Mesh Size		3000	7
116	Tiles	Modulus of Rupture		3000	7
117	Alum/Black Iron Oxide/Calcium Additive/Ceramic Glazes/Cold Lime/Diammonium Hydrogen Phosphate (DAP)/Inorganic Pigment/Lithopone/Magnesium Sulfate/Potassium Silicate/Red Iron Oxide/Chromium Oxide/Inorganic Chemicals	Moisture		1000	7
118	Cement Clinker/Zeolite	Moisture		3000	7
119	Ceramic Material-(IGCRT)	MOR		3000	7
120	Glass-(IGCRT)/ Alloy	Nickel		3000	7
121	Diammonium Hydrogen Phosphate (DAP)	Nitrogen		5000	7
122	Black Iron Oxide	Oil Absorption Value		3000	7

123	Inorganic Pigment	Oil Absorption Value		3000	7
124	Red Iron Oxide	Oil Absorption Value		3000	7
125	Sand/Lime Stone/Powder Material/Red Iron Oxide/Diammonium Hydrogen Phosphate (DAP)/Black Iron Oxide/Sulphur/Inorganic Pigment	Particle Size		3000	7
126	Solid,Semi Solid,Suspension,Colloidal	Particle Size			7
127	Alumina	Percent Purity		3000	7
128	Calcium Additive/Black Iron Oxide/Antimonial Lead/Caustic Soda/Diammonium Hydrogen Phosphate (DAP)/Inorganic Acids/Inorganic Pigment/Cold Lime/Phosphoric Acid/Potassium Silicate/Red Iron Oxide/Sulphur/Sulphuric Acid/Inorganic Chemicals	Percent Purity		5000	7
129	Magnesium Sulfate/Alum	pH		1000	7
130	Inorganic Chemicals	pH		1000	7
131	Cement Admixture	pH		3000	7
132	All Types of Ceramic Minerals/Minerals/Raw/Alloy/Ceramic Raw Materials/Mineral Sample	Phase Analysis		6000	7
133	Alloy	Phosphorus		3000	7
134	Cement Clinker /Diammonium Hydrogen Phosphate (DAP)/Dicalcium Phosphate (DCP)/Glass/Inorganic Acids/Mineral Sample/Phosphoric Acid/Sulphuric Acid/Inorganic Chemicals/Alloy/Mineral Sample	Phosphorus		3000	7
135	Alum	Physical Test		3000	7
136	Alloy	Platinum		5000	7
137	Mineral Sample	Platinum		5000	7
138	Cement Clinker/Ceramic Material/Clay	Porosity		3000	7
139	Refractory Material/Rock/Stone Aggregate/Brick	Porosity (Apparent)		5000	7
140	Alloy/Alum/Brick/Bauxite/Cement Clinker/Ceramic Glazes/Fly Ash/Potassium Silicate/Refractory Material/Rice Husk Ash/Rock/Slag/Castable Material/Stone Aggregate	Potassium		3000	7
141	Inorganic Acids/Alum/Mineral Sample	Purity		5000	7
142	Inorganic Acids	R2O3		3000	7
143	Phosphoric Acid	R2O3		3000	7
144	Sulphuric Acid	R2O3		3000	7
145	Tiles	Rectangularity		3000	7
146	Tiles	Resistance to Chemical		3000	7

147	Glass and Glass Ceramic Metals & Alloys	Sample cutting by precision cutter [Range (Linear Sample): Length:1-25 mm; Width: 1-25 mm]		2500	7
148	Tiles, Ceramics, Refractories, Porcelain Body, Building Materials (Bricks, Concrete), Stone/Rock, Timber/Wood, Composites, Biological Solid Samples (Teeth's, Bones etc.)	Sample cutting by precision cutter [Range (Linear Sample): Length:1-25 mm; Width: 1-25 mm]		2000	7
149	Tiles	Scartch Hardness		3000	7
150	Sulphur	Selenium		3000	7
151	Cement Clinker (IGCRT)	Setting Time		6000	7
152	Ceramic Material-(IGCRT)	Shrinkage		3000	7
153	Cement Clinker/Refractory Material	Silica		5000	7
154	Fly Ash/Alloy/Alum/Bauxite/Black Iron Oxide/Boiler Scale/Bowl/Brick/Ceramic Glazes/Feldspar/Enamel Raw Materials/Enamel Finished Products/Earthen Wares/Dolomite/Clay/Chromium Oxide/Ceramic Raw Materials/Glass/Gypsum/Lime Stone/Quartz/Potassium Silicate/Porcelain Wares/Plate/Mug/Mineral Sample/Magnesium Sulfate/Lithopone/Red Iron Oxide/Rice Husk Ash/Rock/Sand/Slag/Stone Wares/Zinc Ash/Zinc Dust/Castable Material/Ceramic Finished Products/Inorganic Chemicals/Stone Aggregate	Silica		3000	7
155	Zeolite	Silica (SiO <sub>2</sub> )		1000	7
156	Inorganic Pigment	Silica Impurities		4000	7
157	Liquid Sample/Water/Drinking Water/Solid unknown Samples	Silicon		3000	7
158	Tiles	Silicon Di-oxide		3000	7
159	Alloy/Antimonial Lead/Mineral Sample/Glass	Silver		5000	7
160	Cement Clinker (IGCRT)	SM		3000	7
161	Cement Clinker (IGCRT)	SO <sub>3</sub>		6000	7
162	Fly Ash/Bauxite/Gypsum/Refractory Material/Stone Aggregate/Slag/Rock/Rice Husk Ash/Brick/Boiler Scale	SO <sub>3</sub>		3000	7
163	Castable Material	SO <sub>3</sub>		5000	7



164	Bauxite/Brick/Calcium Additive/Cement Clinker/Ceramic Glazes/Cold Lime/Dicalcium Phosphate (DCP)/Fly Ash/Magnesium Sulfate/Potassium Silicate/Refractory Material/Rice Husk Ash/Rock/Slag/Castable Material/Inorganic Chemicals/Zeolite/Stone Aggregate	Sodium		3000	7
165	Inorganic Pigment	Solubility in Water		3000	7
166	Cement	Soundness test (Autoclave expansion)		6000	7
167	Stone/Glass	Special Comments		2500	7
168	Alumina	Specific Gravity		2000	7
169	Dry Horns Lead/Alumina/Glass/Inorganic Acids/Phosphoric Acid/Sulphur/Sulphuric Acid/Diammonium Hydrogen Phosphate (DAP)/Cold Lime/Calcium Additive/Caustic Soda/Inorganic Chemicals/Inorganic Chemicals	Specific Gravity		3000	7
170	Tiles	Strength		3000	7
171	Inorganic Acids/Organic Acids	Strength of Acid		3000	7
172	Alum/Magnesium Sulfate/Inorganic Acids/Phosphoric Acid/Sulphuric Acid	Sulphate		3000	7
173	Cement (OPC)	Sulphate Resistance		9000	15
174	Bitumen	Sulphur		5000	7
175	Stone	Sulphur		3000	7
176	Alloy/Mineral Sample	Tantalum		5000	7
177	Sulphur	Tellurium		3000	7
178	Solid (IGCRT)	TGA/DSC (upto 1200Å°C)		4000	7
179	Solid (IGCRT)	TGA/DSC (upto 1500Å°C)		5000	7
180	Glass and Glass Ceramic, Metals & Alloys, Tiles, Ceramics, Refractories, Porcelain Body, Building Materials (Bricks, Concrete), Stone/Rock, Liquid, Semisolid, Timber/Wood, Composites etc.	Thermal Analysis by Simultaneous Thermal Analyzer (STA) RT-800°C (Dynamic)		5000	7
181	Glass and Glass Ceramic, Metals & Alloys, Tiles, Ceramics, Refractories, Porcelain Body, Building Materials (Bricks, Concrete), Stone/Rock, Liquid, Semisolid, Timber/Wood, Composites etc.	Thermal Analysis by Simultaneous Thermal Analyzer (STA) RT-800°C (Dynamic + Isothermal)		6000	7

182	Glass and Glass Ceramic, Metals & Alloys, Tiles, Ceramics, Refractories, Porcelain Body, Building Materials (Bricks, Concrete), Stone/Rock, Liquid, Semisolid, Timber/Wood, Composites etc.	Thermal Analysis by Simultaneous Thermal Analyzer 801-1300°C (Dynamic)	6000	7
183	Glass and Glass Ceramic, Metals & Alloys, Tiles, Ceramics, Refractories, Porcelain Body, Building Materials (Bricks, Concrete), Stone/Rock, Liquid, Semisolid, Timber/Wood, Composites etc.	Thermal Analysis by Simultaneous Thermal Analyzer 801-1300°C (Dynamic + Isothermal)	7000	7
184	Ceramic Material/Glass	Thermal Analysis	5000	7
185	Tiles	Thermal Shot	3000	7
186	Tiles	Thickness	3000	7
187	Glass	Thickness	1000	7
188	Alloy/Antimonial Lead	Tin	5000	7
189	Ceramic Glazes	Titanium	3000	7
190	Mineral Sample/Alloy/Glass/Zeolite	Titanium	5000	7
191	Cement Clinker (IGCRT)	Total Alkalies	6000	7
192	Zeolite	Total Alkalies	6000	7
193	Inorganic Acids/Sulphuric Acid/Phosphoric Acid	TS	3000	7
194	Alloy/Mineral Sample	Uranium	10000	7
195	Liquid	UV-Vis-NIR absorbance	2000	7
196	Sheet Glass	UV-Vis Spectrophotometric Analysis	2500	7
197	UV active liquid sample	UV-Vis spectrum, Absorbance, Maximum wavelength ( $\lambda_{max}$ )	3000	7
198	Liquid Ceramic Enamel/Liquid Ceramic/Liquid Sample/Semi Solid Ceramic/Urea Formaldehyde	Viscosity	3000	7
199	Tiles/Ceramic Material	Water Absorption	3000	7
200	Alum	Water insoluble Matter	1000	7
201	Alum/Calcium Additive/Cold Lime/Inorganic Chemicals	Water Molecule	3000	7
202	Inorganic Pigment	Wetability	3000	7
203	Powder/Pellet/Thin Film	XPS and UPS Analysis	18000	10
204	Powder/Pellet/Thin Film	XPS Analysis	12000	10
205	Powder/Pellet/Thin Film	XPS depth profiling	18000	12
206	Powder/Pellet/Thin Film	XPS mapping	15000	12
207	Powder/Pellet/Thin Film/Film	XRD phase identification	6000	7
208	Liquid	XRD phase identification	7000	7

209	Powder,Pallet,Liquid,Thin Film,Film	XRD-2D		10000	7
210	Powder,Pallet,Liquid,Thin Film,Film	XRD-SAXS		8000	7
211	Solid / Semi-solid / Colloidal / Suspension / Liquid	Zeta potential		3000	7
212	Alloy/Antimonial Lead/Glass/Liquid Sample/Lithopone/Lithopone/Mineral Sample/Solid unknown Samples/Zinc Ash/Zinc Dust/Water/Drinking Water	Zinc		5000	7
213	Alloy/Glass/Mineral Sample	Zirconium		5000	7

## BCSIR Laboratories, Rajshahi

Sl. No	Name of Sample	Test Parameter	Instruments Name	Fee (Without VAT)	Working Days
1	Feed (Fish/poultry/cattle feed etc.)	Protein	Kjeldhal	3000	7
2	Pigment Color	Qualitative	Chemical Method	3000	5
3	Ash Content (%)	% Ash	Gravimetric	2000	5
4	Compounds All Types (Elemental)	% Nitrogen (N)	Kjeldhal	1500	7
5	Poly Chlorinated biphenyl (PCB)	2,6-dichlorobiphenyl,2,4,4-trichlorobiphenyl, 2,	GCMS	10000	10
6	Feed/seed/Fish oil	Acid value	Titrimetric	2000	3
7	Waste water/Effluent water/Industrial water/Sewa	Acidity	TITRIMETRIC	1500	7
8	Water/Drinking water/Surface water/River water/S	Acidity	TITRIMETRIC	1500	7
9	Food/Feed/chemicals etc.	Acute Toxicity	In vivo (Rat model)	5000	15
10	Activated Carbon (Qualitative)	Adsorption	Chemical method	5000	3
11	Feed (Fish/poultry/cattle feed etc.)	Aflatoxin/Mycotoxin	Micro plate reader	7000	7
12	Drinks/Beverage	Alcohol (%)	GCMS	10000	10
13	Drinks/Beverage	Alcohol (%)	FTIR/Density meter	6000	10
14	Waste water/Effluent water/Industrial water/Sewa	Alkalinity	TITRIMETRIC	1500	7
15	Water/Drinking water/Surface water/River water/S	Alkalinity	TITRIMETRIC	1500	7
16	Pesticides Residue	alpha-chlordane, metaoxychlor, gamma-chlordan	GCMS	10000	10
17	Waste water/Effluent water/Industrial water/Sewa	Ammonia(NH <sub>3</sub> )	UV-Vis Spectrophotometer	3000	7
18	Water/Drinking water/Surface water/River water/S	Ammonia(NH <sub>3</sub> )	UV-VIS Spectrophotometer	2000	7
19	Waste water/Effluent water/Industrial water/Sewa	Ammonium(NH <sub>4</sub> -N)	UV-VIS Spectrophotometer	3000	7
20	Water/Drinking water/Surface water/River water/S	Ammonium(NH <sub>4</sub> -N)	UV-VIS Spectrophotometer	2000	7
21	FTIR Analysis	Analysis	FTIR	2000	2
22	Waste water/Effluent water/Industrial water/Sewa	Anions	Ion Chromatography	12000	7
23	Total Anthocianin	Anthocianin	UV-Vis Spectrophotometer	3000	7
24	Poly Aromatic Hydrocarbon (PAH)	Anthracene, benzo(a)anthracene, benzo(a)pyrene	GCMS	1000	10
25	Bleaching Powder & Chlorine content (%)	Available Chlorine	Titrimetric	5000	5
26	Feed (Fish/poultry/cattle feed etc.)	Barium (Ba)	Flame photometer	3000	7
27	Herbs/Herbal Products	Barium (Ba)	Flame photometer	3000	7
28	Sample all types (metals)	Barium (Ba)	Flame photometer	3000	7
29	Vegetables	Barium(Ba)	Flame photometer	3000	7
30	Waste water/Effluent water/Industrial water/Sewa	Barium(Ba)	Flame photometer	3000	7

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31	Water/Drinking water/Surface water/River water/S	Barium(Ba)	Flame photometer	3000	7
32	Waste water/Effluent water/Industrial water/Sewa	Bicarbonate	TITRIMETRIC	2000	7
33	Water/Drinking water/Surface water/River water/S	Bicarbonate	TITRIMETRIC	1500	7
34	Waste water/Effluent water/Industrial water/Sewa	BOD(biological oxygen demand)	Chemical method	3500	7
35	Water/Drinking water/Surface water/River water/S	BOD(biological oxygen demand)	UV-VIS Spectrophotometer	4000	10
36	Compounds (Cytotoxicity)	Brine shrimp lethality	Standard Method	6000	10
37		Bromide(Br)	Ion Chromatography	3000	7
38	Feed (Fish/poultry/cattle feed etc.)	Cadmium (Cd)	UV-Vis Spectrophotometer	3000	7
39	Drinks/Beverage	Cadmium (Cd)	UV-Vis Spectrophotometer	3000	7
40	Herbs/Herbal Products	Cadmium (Cd)	UV-Vis Spectrophotometer	3000	7
41	Sample all types (Heavy metals)	Cadmium (Cd)	UV-Vis Spectrophotometer	3000	7
42	Sludge/Sediment	Cadmium (Cd)	UV-Vis Spectrophotometer	3000	10
43	Vegetables	Cadmium(Cd)	UV-Vis Spectrophotometer	3000	7
44	Waste water/Effluent water/Industrial water/Sewa	Cadmium(Cd)	UV-VIS Spectrophotometer	2500	7
45	Drinks/Beverage	Caffeine	HPLC	10000	10
46	Feed (Fish/poultry/cattle feed etc.)	Calcium (Ca)	Flame photometer	3000	7
47	Drinks/Beverage	Calcium (Ca)	Flame photometer	3000	7
48	Herbs/Herbal Products	Calcium (Ca)	Flame photometer	3000	7
49	Sample all types (metals)	Calcium (Ca)	Flame photometer	3000	7
50	Sludge/Sediment	Calcium (Ca)	Flame photometer	3000	10
51	Vegetables	calcium(Ca)	Flame photometer	2500	7
52	Waste water/Effluent water/Industrial water/Sewa	calcium(Ca)	Flame Photometer	2000	7
53	Water/Drinking water/Surface water/River water/S	calcium(Ca)	Flame photometer	3000	7
54	Calcium Carbonate (Qualitative)	Calcium, Carbonate	Chemical method	5000	5
55	Quick Lime	CaO	Chemical method	5000	5
56	Dolomite	CaO, MgO, Carbonate	Chemical method	5000	5
57	Waste water/Effluent water/Industrial water/Sewa	Carbonate hardness(CACO3)	TITRIMETRIC	2000	7
58	Water/Drinking water/Surface water/River water/S	Carbonate hardness(CO3)	TITRIMETRIC	2000	7
59	Waste water/Effluent water/Industrial water/Sewa	Carbonate(CO3)	TITRIMETRIC	1500	7
60	Total Carotenoids	Carotenoids	UV-Vis Spectrophotometer	3000	7
61	Plaster Powder	CaSO <sub>4</sub>	Chemical method	5000	5
62	Catechin	catechin	UV-Vis Spectrophotometer	5000	7
63	Water/Drinking water/Surface water/River water/S	Chloride (Cl)	Ion Chromatography	3000	7
64	Waste water/Effluent water/Industrial water/Sewa	chloride(Cl)	TITRIMETRIC	2000	7
65	Waste water/Effluent water/Industrial water/Sewa	Chlorine(Cl2)	TITRIMETRIC	2000	7
66		Chlorine(Cl <sub>2</sub> )	TITRIMETRIC	2000	7
67	Chlorophyll a	Chlorophyll a content	UV-Vis Spectrophotometer	1500	7
68	Chlorophyll b	Chlorophyll b content	UV-Vis Spectrophotometer	1500	7

69	Drinks/Beverage	Chromium (Cr)	UV-Vis Spectrophotometer	3000	7
70	Waste water/Effluent water/Industrial water/Sewa	Chromium(Cr)	UV-VIS Spectrophotometer	3000	7
71	Water/Drinking water/Surface water/River water/S	Chromium(Cr)	UV-VIS Spectrophotometer	3000	7
72	Waste water/Effluent water/Industrial water/Sewa	COD(CHEMICAL OXYGEN DEMAND)	UV-VIS Spectrophotometer	4000	7
73	Water/Drinking water/Surface water/River water/S	COD(CHEMICAL OXYGEN DEMAND)	UV-VIS Spectrophotometer	4000	7
74	Waste water/Effluent water/Industrial water/Sewa	Conductivity	Conductivity meter	1000	7
75	Water/Drinking water/Surface water/River water/S	conductivity	Multi parameter apparatus	1000	7
76	Engine cooling water	Conductivity	Multi parameter apparatus	1000	1
77	Fiber Content (%)	Crude fiber	Chemical metod	3000	7
78		DO(dissolved oxygen)	DO meter	1000	7
79	Water/Drinking water/Surface water/River water/S	DO(dissolved oxygen)	DO meter	1500	7
80	Total Falvanoids	Falvanoids	UV-Vis Spectrophotometer	3000	7
81	Waste water/Effluent water/Industrial water/Sewa	Fluoride(F)	Ion Chromatography	2000	7
82	Water/Drinking water/Surface water/River water/S	Fluoride(F)	Ion Chromatography	3000	7
83	Feed/seed/Fish oil	Free Fatty Acid	Titrimetric	2000	3
84	DPPH Free Radical Activity	Free Radical Activity	UV-Vis Spectrophotometer	3000	5
85	Organic/inorganic chemicals/compound	FTIR	FTIR Spectrophotometer	2000	3
86	Total Phenolic	GA Equivalent	UV-Vis Spectrophotometer	3000	7
87	Waste water/Effluent water/Industrial water/Sewa	Hardness	Chemical mkethod	2000	7
88	Water/Drinking water/Surface water/River water/S	hardness	TITRIMETRIC	2000	7
89	Engine cooling water	Hardness	TITRIMETRIC	2000	3
90	Cosmetics sample	Hydroquinone	HPLC	6,000.00	10
91	Hydroquinone (Qualitative)	Hydroquinone	TLC, UV Vis Spectroscopy	3000	7
92	Varnish/ Insulative Varnish/ Coreplate Varnish	Insulation property	Chemical method	3000	5
93	Oil	Iodine Value	Titrimetric	3000	3
94	Hand Sanitizer & Alcohol	IPA & Alcohol (%)	FTIR	3000	5
95	Sludge/Sediment	Iron	UV-Vis Spectrophotometer	3000	10
96	Iron	Iron	UV-Vis Spectrophotometer	3000	7
97	Feed (Fish/poultry/cattle feed etc.)	Iron (Fe)	UV-Vis Spectrophotometer	3000	7
98	Herbs/Herbal Products	Iron (Fe)	UV-Vis Spectrophotometer	3000	7
99	Sample all types (metals)	Iron (Fe)	UV-Vis Spectrophotometer	3000	7
100	Waste water/Effluent water/Industrial water/Sewa	Iron(Fe)	UV-VIS Spectrophotometer	2000	7
101		Iron(Fe)	UV-VIS Spectrophotometer	3000	7
102	Kota Stone/ Lime Stone	Lime Stone	Chemical method	4000	5
103	Water/Drinking water/Surface water/River water/S	Magnansium(Mg)	UV-VIS Spectrophotometer	3000	7
104	Magnesium	Magnesium	UV-Vis Spectrophotometer	3000	7
105	Waste water/Effluent water/Industrial water/Sewa	M-alkalinity	TITRIMETRIC	2000	7
106	Water/Drinking water/Surface water/River water/S	M-alkalinity	TITRIMETRIC	2000	7

107	Organic/inorganic chemicals/compound	Mass spectrum	LCMS	10000	7
108	Organic/inorganic chemicals/compound	Mass spectrum	GCMS	10000	7
109	Plant extracts	Mass spectrum	GCMS	10000	7
110	Organic/inorganic chemicals/compound	Melting point	Melting point apparatus	1500	3
111	Feed (Fish/poultry/cattle feed etc.)	Moisture	Moisture analyzer	1000	7
112	Moisture Content (%)	Moisture Content (%)	Moisture analyzer	1000	4
113	Na/K Alum	Na/K,	Flame photometer	5000	3
114	Ammonium Chloride (Qualitative)	NH <sub>4</sub> <sup>+</sup> , Cl-	Wet Test	5000	5
115	Waste water/Effluent water/Industrial water/Sewa	Nickel(Ni)	UV-VIS Spectrophotometer	3000	7
116	Engine cooling water	Nitrate	UV-VIS Spectrophotometer	3000	3
117	Waste water/Effluent water/Industrial water/Sewa	Nitrate(NO3)	UV-VIS Spectrophotometer	3000	7
118	Waste water/Effluent water/Industrial water/Sewa	Nitrate(NO3)	UV-VIS Spectrophotometer	3000	7
119	Engine cooling water	Nitrite	UV-VIS Spectrophotometer	3000	3
120	Waste water/Effluent water/Industrial water/Sewa	Nitrite(NO2)	UV-VIS Spectrophotometer	3000	7
121	Water/Drinking water/Surface water/River water/S	Nitrite(NO <sub>2</sub> )	UV-VIS Spectrophotometer	3000	7
122	Waste water/Effluent water/Industrial water/Sewa	non-carbonated hardness	TITRIMETRIC	2000	7
123	Waste water/Effluent water/Industrial water/Sewa	non-carbonated hardness	TITRIMETRIC	2000	7
124	Fish Oil content/Feed	Oil content /Fat	Soxhlet	2000	5
125	Waste water/Effluent water/Industrial water/Sewa	Organochlorine pesticides	GC-MS	10000	10
126	Water/Drinking water/Surface water/River water/S	Organochlorine pesticides	GCMS	10000	10
127	Waste water/Effluent water/Industrial water/Sewa	Organophosphorous pesticides	GC-MS	10000	10
128	Water/Drinking water/Surface water/River water/S	Organophosphorous pesticides	GCMS	10000	10
129	Waste water/Effluent water/Industrial water/Sewa	PAH(poly aromatic hydrocarbon)	GC-MS	10000	10
130	Water/Drinking water/Surface water/River water/S	PAH(poly aromatic hydrocarbon)	GCMS	10000	10
131	Waste water/Effluent water/Industrial water/Sewa	p-alkalinity	TITRIMETRIC	1500	7
132	Water/Drinking water/Surface water/River water/S	p-alkalinity	TITRIMETRIC	2000	7
133	Waste water/Effluent water/Industrial water/Sewa	PCB (poly chloro biphenyls)	GC-MS	10000	10
134	Water/Drinking water/Surface water/River water/S	PCB (poly chloro biphenyls)	GCMS	10000	10
135	Oil	Peroxide value	Titrimetric	3000	3
136	Waste water/Effluent water/Industrial water/Sewa	Pesticide residue	GC-MS	10000	10
137	Water/Drinking water/Surface water/River water/S	Pesticide residue	GCMS	10000	10
138	Herbs/Herbal Products	Pesticides	GCMS	10000	10
139	Water/Drinking water/Surface water/River water/S	pesticides	GCMS	10000	10
140	Feed (Fish/poultry/cattle feed etc.)	Pesticides residue	GCMS	10000	7
141	Herbs/Herbal Products	Pesticides Residue	GCMS	10000	10
142	Vegetables	Pesticides residue	GC-MS	10000	10
143	Water/Drinking water/Surface water/River water/S	Pesticides residue	GCMS	10000	10
144	Cosmetics sample	pH	pH meter	1000	1

145		pH	pH meter	800	7
146	Water/Drinking water/Surface water/River	pH	pH meter	1000	7
147	Engine cooling water	pH	pH meter	1000	1
148	pH	pH	pH meter	1000	1
149	Waste water/Effluent water/Industrial water/Sewa	Phenolic compounds	UV-VIS Spectrophotometer	8000	10
150		Phenolic compounds	UV-VIS Spectrophotometer	3000	10
151	Tanning materials	Phenolic content	Chemical method	4000	5
152	Acacia Catechu	Phenolic group (Qualitative)	Chemical method	5000	5
153	Waste water/Effluent water/Industrial water/Sewa	phosphate(PO4)	UV-VIS Spectrophotometer	3000	7
154	Water/Drinking water/Surface water/River water/S	phosphate(PO4)	UV-VIS Spectrophotometer	3000	7
155	Phosphorous	Phosphorous	UV-Vis Spectrophotometer	3000	7
156	water/S	Phosphorous(P)	UV-VIS Spectrophotometer	3000	7
157	Waste water/Effluent water/Industrial water/Sewa	phosphorus(P)	UV-VIS Spectrophotometer	3000	7
158	EPDM Sheet	polymer	FTIR	5000	5
159	Feed (Fish/poultry/cattle feed etc.)	Potassium (K)	Flame photometer	3000	7
160	Drinks/Beverage	Potassium (K)	Flame photometer	3000	7
161	Herbs/Herbal Products	Potassium (K)	Flame photometer	3000	7
162	Sample all types (metals)	Potassium (K)	Flame photometer	3000	7
163	Sludge/Sediment	Potassium (k)	Flame photometer	3000	10
164	Vegetables	Potassium(K)	Flame photometer	2500	7
165	Waste water/Effluent water/Industrial water/Sewa	potassium(K)	Flame Photometer	3000	7
166	Water/Drinking water/Surface water/River	Potassium(K)	Flame Photometer	3000	7
167	Cosmetics sample	Presence of extraneous dye	HPLC	6,000.00	10
168	Drinks/Beverage	Preservative	HPLC	10000	10
169	Krish Silky Powder (Polymethyl Methacrylate)	Qualitative	Chemical Method	5000	5
170	Modibond	Qualitative	Chemical Method	4000	5
171	Nano Chemical	Qualitative	Chemical method	3500	5
172	Organic Fertilizer	Qualitative	Chemical method	4000	5
173	Plasticizer	Qualitative	Chemical method	5000	5
174	Reactive Dye Black	Qualitative	Chemical method	5000	5
175	Reactive Dye Orange	Qualitative	Chemical method	5000	5
176	Reactive Dye Red	Qualitative	Chemical method	5000	5
177	Refractory Items	Qualitative	Chemical method	5000	5
178	Pigment	Qualitative	Chemical method	5000	5
179	Qualitative Analysis of Common Solvents (Methanol,Ethanol, Ethylacetate, n- hexane, etc.	Qualitative	Chemical method	3000	4
180	Ceramic Polish	Qualitative	Chemical Method	5000	5
181	Cotton Seed	Qualitative	FTIR	5000	5
182	Active Pharmaceutical Ingredients	Quantification by HPLC	HPLC	10000	10
183	Herbs/Herbal Products	Quantification by HPLC	HPLC	10000	10



184	Herbs/Herbal Products	Quantification by HPLC	HPLC	10000	10
185	Herbs/Herbal Products	Quantification by mass spectrum	LCMS/GCMS	10000	10
186	Molasses	Reducing Sugar	UV-Vis Spectrophotometer	4000	5
187	Reducing Sugar	Reducing Sugar	Benedicts reagent	3000	7
188	Waste water/Effluent water/Industrial water/Sewa	salinity	Multi parameter apparatus	2000	7
189		Salinity	Multi parameter apparatus	1500	7
190	Food/Feed/Seed Oil	Saturated fat/Fatty Acid	GC-MS	8000	5
191	Ceramic Frit-525	Silica	Chemical method	5000	7
192	China Clay/Kaolin	Silica	Chemical method	5000	7
193	Quartz White Silica Sand	Silica	Chemical method	5000	7
194	Clay Powder	Silica	Chemical method	5000	5
195	Talc Lumps	Silica	Chemical method	5000	7
196	Feed (Fish/poultry/cattle feed etc.)	Sodium (Na)	Flame photometer	3000	7
197	Drinks/Beverage	Sodium (Na)	Flame photometer	3000	7
198	Herbs/Herbal Products	Sodium (Na)	Flame photometer	2500	7
199	Sludge/Sediment	Sodium (Na)	Flame photometer	3000	10
200	Vegetables	Sodium(Na)	Flame photometer	2500	7
201	Waste water/Effluent water/Industrial water/Sewa	Sodium(Na)	Flame Photometer	3000	7
202	water/S	Sodium(Na)	Flame Photometer	3000	7
203	Rock Salt/ Sodium Chloride	Sodium, Chloride	Flame photometer	4000	7
204	Waste water/Effluent water/Industrial water/Sewa	SS(SUSPENDED SOLIDS)	Chemical method	1500	7
205	Waste water/Effluent water/Industrial water/Sewa	sulphate(SO4)	UV-VIS Spectrophotometer	3000	7
206	Water/Drinking water/Surface water/River water/S	Sulphate(SO4)	UV-VIS Spectrophotometer	3000	7
207	TDS (Total Dissolved Solids)	TDS	Conductivity meter	2000	5
208	Waste water/Effluent water/Industrial water/Sewa	TDS(total dissolved solids)	Chemical method	2000	7
209	Water/Drinking water/Surface water/River water/S	TDS(total dissolved solids)	Multi parameter apparatus	1500	7
210	Waste water/Effluent water/Industrial water/Sewa	Temperature	Digital thermometer	800	7
211	Cosmetics sample	Thermal stability	Oven	6000	7
212	Sludge/Sediment	Total Dissolved Solid	Chemical method	2000	10
213	Waste water/Effluent water/Industrial water/Sewa	TOTAL nitrogen	Kjeldhal method	3000	10
214	Water/Drinking water/Surface water/River water/S	TOTAL nitrogen	Kjeldhal	3000	10
215	Water/Drinking water/Surface water/River water/S	TOTAL nitrogen	Kjeldhal apparatus	3000	10
216	Total Sugar	Total Sugar	UV-Vis Spectrophotometer	3000	7
217	Water/Drinking water/Surface water/River water/S	TS	Chemical method	2000	7
218	Waste water/Effluent water/Industrial water/Sewa	TS(TOTAL SOLIDS)	Chemical method	1500	7
219	TSS (Total Suspended Solids)	TSS	Conductivity meter	2000	3
220	Waste water/Effluent water/Industrial water/Sewa	TSS(TOTAL SUSPENDED SOLIDS)	Chemical method	1500	7

221	Water/Drinking water/Surface water/River water/S	TSS(TOTAL SUSPENDED SOLIDS)	Chemical method	2000	7
222	Waste water/Effluent water/Industrial water/Sewa	Turbidity	UV-VIS Spectrophotometer	2000	7
223	Water/Drinking water/Surface water/River water/S	turbidity	UV-VIS Spectrophotometer	2000	7
224	Cosmetics/research sample	Viscosity	Viscometer	2000	3
225	Coning Oil	Viscosity	Viscometer	5000	5
226	Viscosity (Oil, Handwash, Dishwash, etc.)	Viscosity	Viscometer	2000	2
227	Vitamins	Vitamin A	HPLC	6000	10
228	Vitamin A	Vitamin A	UV-Vis Spectrophotometer	3000	7
229	Vitamins	vitamin B1	HPLC	6000	10
230	Vitamins	vitamin B2	HPLC	6000	10
231	Vitamins	vitamin B6	HPLC	6000	10
232	Vitamins	vitamin C	HPLC	6000	10
233	Vitamin C	Vitamin C	UV-Vis Spectrophotometer	3000	7
234	Vitamins	vitamin D	HPLC	6000	10
235	Cosmetics sample	Volatile matter	Oven	1000	3
236	Zinc	Zinc	Complexometric	3000	7

## Pilot Plant & Process Development Center (PP& PDC)

Sl. No	Name of Sample	Test Parameter	Instruments Name	Fee (Without VAT)	Working Days
1	Thiner/Plastic and Polymer	Absorption/Transmission Spectra		2000	7
2	Packaging Material	Bonding Strength		7000	7
3	Steel Wire	Breaking Load		5000	7
4	Oxygen Meter	Calibration of Oxygen Meter		20000	7
5	Pressure Gauges	Calibration of Pressure		15000	7
6	Electric Cable-(PP&PDC)	Carbon Black Content		25000	7
7	Metal-Metal Alloy: Ferrous (Iron/Steel/Cast Iron/Stainless Steel)/Metal-Metal Alloy : Non Ferrous (Aluminium, Copper)	Chemical Composition		15000	5
8	Ceramic/Ceramic Matrix Composite/Plastic and Polymer	Compressive Strength		5000	7
9	Metal-Metal Alloy: Ferrous (Iron/Steel/Cast Iron/Stainless Steel)/Metal-Metal Alloy : Non Ferrous (Aluminium, Copper)	Corrosion Study		9000	7
10	Concrete	Cylinder Compression Test		5000	10
11	Electric Cable-(PP&PDC)	Degree of Cross Linking		20000	7
12	Plastic and Polymer	Expansion Coefficient		6000	7
13	Ceramic Matrix Composite	Expansion Coefficient		6000	7
14	Plastic and Polymer	Extrusion Quality		5000	7
15	Plastic and Polymer	Fabrication		10000	7
16	Thiner	Fabrication		9000	7
17	Metal-Metal Alloy: Ferrous (Iron/Steel/Cast Iron/Stainless Steel)/Ceramic/Metal-Metal Alloy : Non Ferrous (Aluminium, Copper)	Flexural Strength		5000	5
18	Metal-Metal Alloy : Non Ferrous (Aluminium, Copper)/Metal-Metal Alloy: Ferrous (Iron/Steel/Cast Iron/Stainless Steel)	Grade Identification		5000	7
19	Metal-Metal Alloy: Ferrous (Iron/Steel/Cast Iron/Stainless Steel)/Plastic and Polymer/Metal-Metal Alloy : Non Ferrous (Aluminium, Copper)/Ceramic Matrix Composite/Metal-Metal Alloy: Ferrous (Iron/Steel/Cast Iron/Stainless Steel)/Rubber/Rubber Products	Hardness		3000	5
20	Plastic and Polymer	Hardness		5000	7
21	Electric Cable-(PP&PDC)	Heat Distortion		10000	7
22	Plastic and Polymer/Ceramic	Heat Reversion		5000	7

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23	Electric Cable-(PP&PDC)	Heat Shock		10000	7
24	Metal-Metal Alloy: Ferrous (Iron/Steel/Cast Iron/Stainless Steel)/Metal-Metal Alloy : Non Ferrous (Aluminium, Copper)	Heat Treatment		425	14
25	Thiner	Heat Treatment		2000	7
26	Electric Cable-(PP&PDC)	Hot creep Test		20000	7
27	Rubber/Rubber Products	Initial Plasticity		7000	7
28	Plastic and Polymer	Melt Index		5000	7
29	Metal-Metal Alloy: Ferrous (Iron/Steel/Cast Iron/Stainless Steel)/Metal-Metal Alloy : Non Ferrous (Aluminium, Copper)	Melting Point		5000	5
30	Metal-Metal Alloy: Ferrous (Iron/Steel/Cast Iron/Stainless Steel)/Metal-Metal Alloy : Non Ferrous (Aluminium, Copper)	Microstructure		5000	5
31	Rubber/Rubber Products	Plasticity Retention Index		7000	7
32	Electric Cable-(PP&PDC)	Pressure Test at High Temperature		20000	7
33	Electric Cable-(PP&PDC)	Shrinkage		10000	7
34	Ceramic	Sintering		10000	7
35	Plastic and Polymer	Swelling of die extrude		5000	7
36	Metal-Metal Alloy: Ferrous (Iron/Steel/Cast Iron/Stainless Steel)/Metal-Metal Alloy : Non Ferrous (Aluminium, Copper)/Rubber/Rubber Products/Plastic and Polymer/Ceramic Matrix Composite	Tensile Strength		5000	5
37	Electric Cable-(PP&PDC)	Tensile Strength and Elongation		10000	7
38	Electric Cable-(PP&PDC)	Thermal Aging		15000	10
39	Metal-Metal Alloy: Ferrous (Iron/Steel/Cast Iron/Stainless Steel)/Ceramic/Metal-Metal Alloy : Non Ferrous (Aluminium, Copper)	Thermal Expansion Coefficient		6000	7
40	Plastic and Polymer/Ceramic Matrix Composite	Thermal Stability		5000	7
41	Metal-Metal Alloy: Ferrous (Iron/Steel/Cast Iron/Stainless Steel)/Metal-Metal Alloy : Non Ferrous (Aluminium, Copper)	Thickness		1500	7
42	Steel Plate(Welding)	Transverse Bend Test for Weld		5000	7
43	Electric Cable-(PP&PDC)	Water Absorption		10000	16

44	Metal-Metal Alloy: Ferrous (Iron/Steel/Cast Iron/Stainless Steel)/Metal-Metal Alloy : Non Ferrous (Aluminium, Copper)	Wear Study		5000	7
45	Steel Wire	Weight of Zinc Coating		5000	7
46	Pharmaceutical Sample	XRD (Intermediate Scan)		12000	7
47	Pharmaceutical Sample	XRD (Regular Scan)		6000	7
48	Pharmaceutical Sample	XRD (Slow Scan)		24000	7
49	Metal-Metal Alloy: Ferrous (Iron/Steel/Cast Iron/Stainless Steel)/Ceramic/Mineral Sample/Plastic and Polymer/Ceramic Matrix Composite/Thiner/Metal-Metal Alloy : Non Ferrous (Aluminium, Copper)	XRD : phase Identification		6000	7

<b>Leather Research Institute (LRI)</b>					
<b>Sl. No</b>	<b>Name of Sample</b>	<b>Test Parameter</b>	<b>Instruments Name</b>	<b>Fee (Without VAT)</b>	<b>Working Days</b>
1	Soling Materials	Abrasion resistance of Soling Materials		3,000.00	7
2	Oil and Fats	Acid Value		3,000.00	7
3	Leather	Adhesion of finish film		2,000.00	7
4	Shoe	Adhesion of sole		2,000.00	7
5	Effluent	Ammonia Content		3,000.00	7
6	Leather Tanning Chemicals	Appearance, Solubility, Content of Chloride, Sulfate, Phenol, pH		33,750.00	10
7	Sediment and River bed Sediment/Cream (cosmetic) /Fertilizer/Soil/Organic Fertilizer/Acid (Phosphoric)/Heavy Metal and Metals in all types of samples (except pure metal)	Arsenic		2,500.00	10
8	Leather/ Footwear materials/ Plastic and Polymer-6 (Without PET and Nylon)/ Rubber Latex/ Textile chemicals/Fibre	Ash Content		1,500.00	7
9	Leather/Jute/Jute Products/Textile Fabrics/Geo-Textile/Fibre	Azo dye analysis		5,500.00	7
10	Leather/Footwear/Textile Fabric/Fibre/Yarn/RMG/Jute goods	Azo-Dyes (26 Banned)		15,000.00	10
11	Basic Chromium Sulphate	Basicity		2,000.00	7
12	Leather	Bauman Tear Strength		2,000.00	7
13	Sole	Belt-Sole flexing		2,500.00	7
14	Water/Effluent	BOD Value		3,000.00	7
15	Synthetic adhesive	Bond strength		3,000.00	7
16	Leather	Break or peppiness		1,000.00	7
17	Leather/Jute/Jute Products/Textile Fabrics/Geo-Textile/Fibre	Bursting strength		2,500.00	7
18	Lime	Calcium oxide		2,000.00	7
19	Effluent	Chloride		2,000.00	7
20	Leather	Chromic Oxide content		2,500.00	7
21	Basic Chromium Sulphate	Chromic oxide Content		2,000.00	7
22	Acid/Cream/Sediment and River bed Sediment/Fertilizer/Soil/Organic Fertilizer/Acid (Phosphoric)/Heavy Metal and Metals in all types of samples (except pure metal)	Chromium (Cr)		2,000.00	10

23	Water/Effluent	COD Value		3,000.00	7
24	Leather/ Footwear materials/ Jute/Jute Products	Color fastness to light		2,500.00	7
25	Leather/ Footwear materials/ Jute/Jute Products	Color fastness to wash		2,500.00	7
26	Dyes/pigments	Colour		1,000.00	7
27	Water/Effluent	DS/TDS		1,500.00	7
28	Whole shoe	Dynamic Footwear Water Resistance		2,500.00	7
29	Safety Footwear	Electric Resistance		2,000.00	7
30	Elastic	Extension		2,000.00	7
31	Leather	Finish heat Resistance		2,000.00	7
32	Leather	Flexing Endurance		2,000.00	7
33	Leather/ Jute/Jute Products/Textile Fabrics/Geo-Textile/Fibre	Formaldehyde content		3,000.00	7
34	Fibre/Sodium Alginate/Knitting Oil/Lubricating Oil	FT-IR		6,000.00	10
35	FT-IR sample	Functional group test		3,000.00	7
36	Soling Material /Rubber/Rubber Products	Hardness		1,000.00	7
37	Leather Effluents	Heavy metal contents		2,000.00	10
38	Footwear Heel	Heel Fatigue Resistance		2,000.00	7
39	Footwear Heel	Heel Impact resistance		2,000.00	7
40	Leather	Hide Substance		3,000.00	7
41	Vegetable Tanning Agent	Identification		1,500.00	7
42	Synthetic tanning materials	Identification		2,000.00	7
43	Leather/ Leather Chemicals/ Acetic Anhydride/Acetone /petroleum ether/Dichloromethane/Ethanol/Alcohol/Ethyl acetate/Chloroform/Methanol/n-Butanol/Chloroform/n-Hexane/Textile Fabrics/Geo-Textile	Identification by FTIR		3,000.00	7
44	Leather	Identification of leather		1,000.00	7
45	Oil and Fats	Iodine value		3,000.00	7
46	Eyelet	Lace to Eyelet Abrasion		2,000.00	7
47	Shoe Lace	Lace to lace abrasion.		2,000.00	7
48	Leather	Lastometer Ball Burst		2,000.00	7
49	Leather	Light Fastness		1,500.00	7
50	Slider	Locking Strength		2,000.00	7

51	Leather/ Leather Chemicals/ Acetic Anhydride/Acetone /petroleum ether/Dichloromethane/Ethanol/Alcohol/Ethyl acetate/Chloroform/Methanol/n-Butanol/Chloroform/n-Hexane/Textile Fabrics/Geo-Textile	Moisture		2,500.00	7
52	Leather	Moisture content		500	7
53	Shoe polish	Moisture content		1,000.00	10
54	Effluent	Nitrate		2,000.00	7
55	Leather	Nitrogen		3,000.00	7
56	Leather /Textile	Perspiration Resistance		1,500.00	7
57	Leather	pH		1,000.00	7
58	Rubber/Rubber Products	Rheological study		3,000.00	7
59	Paint, Varnish, Lacquer & Adhesive products and formulation study	Rheological study		5,000.00	15
60	Leather	Rub fastness (Dry/wet)		1,500.00	7
61	Insole Rib	Shear & Peel strength		2,000.00	7
62	Leather	Shrinkage Temperature		1,500.00	7
63	Leather	Softness		1,000.00	7
64	Soling Materials	Split Tear Strength		2,000.00	7
65	Water/Effluent	SS		1,500.00	7
66	Leather	Star-Burst strength		2,000.00	7
67	Leather	Stiffness of Insole Back part		2,000.00	7
68	Buckle	Strength		2,000.00	7
69	Bows	Strength		2,000.00	7
70	Sandal Toe	Strength		2,000.00	7
71	Close Fastener (Velcro)	Strength		2,000.00	7
72	Seam of upper/lining Strength Fastenings of footwear	Strength		2,000.00	7
73	Fastening of Footwear	Strength		2,000.00	7
74	Effluent	Sulphate		2,000.00	7
75	Vegetable Tanning Agent	Tannin Content		2,500.00	7
76	Leather/Textile/Rubber Plastic	Tensile strength and % Elongation		2,500.00	7
77	Leather/Footwear/Textile Fabric/Fibre/Yarn/RMG/Jute goods/ Powder sample/	Thermal Analysis		3,000.00	10
78	Sodium Sulphide	Total Sulphide		2,500.00	7
79	Leather	Trouser Leg Tear Strength		2,000.00	7
80	Leather	Vamp Flexing		2,500.00	7



81	Leather	Vamp Flexing in freeze		2,500.00	7
82	Leather/ Leather Chemicals/ Acetic Anhydride/Acetone /petroleum ether/Dichloromethane/Ethanol/Alcohol/Ethyl acetate/Chloroform/Methanol/n-Butanol/Chloroform/n-Hexane/Textile Fabrics/Geo-Textile	Viscosity		1,500.00	7
83	Synthetic adhesive	Viscosity		6,500.00	7
84	Leather	Water penetration		2,500.00	7
85	Leather	Water spot		1,500.00	7
86	Leather	Water Vapor Absorption		1,500.00	7
87	Leather	Water Vapor permeability		2,500.00	7
88	Shoe	Whole shoe flexing		2,500.00	7
89	Leather	Wrinkle Assessment		1,000.00	7

## Biomedical and Toxicological Research Institute (BTRI)

Sl. No	Name of Sample	Test Parameter	Instruments Name	Fee (Without VAT)	Working Days
1	Food & Feed (BTRI)	Acute Toxicity		7000	8
2	Food & Feed (BTRI)	Arsenic(As)		2500	7
3	Food & Feed (BTRI)	Ash		1200	7
4	Food & Feed (BTRI)	Cadmium(Cd)		2500	7
5	Medicine	Camphor		6500	7
6	Food & Feed (BTRI)	Chromium(Cr)		2500	7
7	Food & Feed (BTRI)	Cobalt		2500	7
8	Food & Feed (BTRI)	Copper(Cu)		2500	7
9	Food & Feed (BTRI)	Crude Fiber		1500	7
10	Food & Feed (BTRI)	Dietary Fiber		20000	10
11	Purified PCR product(BTRI)	DNA sequencing		1500	7
12	Ready DNA sample(BTRI)	DNA sequencing		700	7
13	Food & Feed (BTRI)	Energy		6500	7
14	Food & Feed (BTRI)	Fat		1500	7
15	Food & Feed (BTRI)	Iron(Fe)		2500	7
16	ETP Inlet/Outlet Water	LC 50		15000	20
17	Food & Feed (BTRI)	Lead (Pb)		2500	7
18	Food & Feed (BTRI)	Manganese(Mn)		2500	7
19	Medicine	Menthol		6500	7
20	Food & Feed (BTRI)	Mercury(Hg )		3000	7
21	Medicine	Methyl Salicylate		6500	7
22	Food & Feed (BTRI)	Moisture		800	7
23	Food & Feed (BTRI)	Nickel		2500	7
24	Powder(BTRI)	Particle size analysis		5000	7
25	Spice Extract /Plant Extract	Phytochemical Screening		10000	7
26	Food & Feed (BTRI)	Potassium(K)		2500	7
27	Food & Feed (BTRI)	Presence/Absence of Bovine DNA		10000	7
28	Food & Feed (BTRI)	Presence/Absence of Chicken DNA		10000	7
29	Food & Feed (BTRI)	Presence/Absence of Pork DNA(Porcine)		10000	7
30	Food & Feed (BTRI)	Presence/Absence of Sheep DNA		10000	7
31	Medicine	Propylene Glycol		6500	7
32	Food & Feed (BTRI)	Protein		1500	7
33	Avian(All Bird)	Sex determination		1500	7

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34	Metallic Alloy/Metallic Alloy Polymer composite/Thin Film/Nano powder(BTRI)	Topographic and elemental information		5000	7
35	Food & Feed (BTRI)	Total Sugar		1500	7
36	Water/Fruit Juice/Fruit Pulp	pH		500	7
37	Lotion/Soap/Shampoo/All types of cosmetic	Acute dermal irritation		8500	22
38	All types of organ (Animal)	Histopathology		7000	12



<b>Institute of Technology Transfer and Innovation (ITTI)</b>					
<b>Sl. No</b>	<b>Name of Sample</b>	<b>Test Parameter</b>	<b>Instruments Name</b>	<b>Fee (Without VAT)</b>	<b>Working Days</b>
1	Fish/Food/Feed/ Nutraceutical Products/Imported and Exported Biological Products	Amino acid analysis	Amino acid analyzer	10,000	7
2	Diseased Fish/Crab/Shrimp	Disease diagnosis	Real-Time PCR Method	6,000	7
3	Blood/Serum	COVID-19 Specific Antibody (IgG/IgM) Test	Elisa Plate reader/Rapid test kit	1,000	2
4	Food/Feed/Beverage/Dry Fish/ Nutraceutical Products	<i>Escherichia coli</i>	Selective Method	2,500	7
5	Fish/Food/Feed/ Nutraceutical Products/Imported and Exported Biological Products	Fat analysis	Fat extractor	1,500	5
6	Fish/Food/Feed/ Nutraceutical Products/Imported and Exported Biological Products	Fatty acid analysis	Gas Chromatography (GC)	5,000	7
7	Fish/Food/Feed/Processed Products	Fecal Coliform	Selective Method	2,500	7
8	Food/Feed	Fecal Streptococci	Selective Method	2,500	7
9	Crops	GMO Test	Real-Time PCR Method	6,000	7
10	Food/Feed/Drink	Hydrogen Sulphide Producing Bacteria	Selective Method	1,000	7
11	Dry Fish/Food/Feed/Drinking water/Carbonated beverages/ Milk/Milk Products/ Nutraceutical Products	Microbial Load Analysis	Microbiological Media	3,000	7
12	Fish/Food/Feed/ Nutraceutical Products/Imported and Exported Biological Products	Moisture Analysis	Moisture analyzer	500	2
13	Food/Feed/Additives/Pharmaceutical Product/ Nutraceutical Products/Imported and Exported Biological Materials or Products	Presence/Absence of Bovine DNA	Real-Time PCR Method	6,000	7
14	Food/Feed/Additives/Pharmaceutical Product/ Nutraceutical Products/Imported and Exported Biological Materials or Products	Presence/Absence of Pork DNA (Porcine)	Real-Time PCR Method	6,000	7
15	Fish/Food/Feed/ Nutraceutical Products/Imported and Exported Biological Products	Protein analysis	Dumas- Protein Analyzer	2,000	3
16	Fish/Food/Feed/Processed Products	<i>Salmonella</i>	Selective Method	2,500	7
17	Food/Feed/Dry Fish/ Additives/Beverage	<i>Shigella</i>	Selective Method	2,500	7
18	Food/Feed/Juice/Beverage/Dry Fish	Total Coliform	MPN & Pour Plate	2,500	7
19	Food/Feed/Dry Fish/Drinking water/Carbonated beverages /Milk/Milk Products/ Cosmetics/Herbal Products/ Nutraceutical Products	Total Colony Count		2,500	7

20	Food/Feed/Dry Fish	Total Mesophylic Aerobic Bacteria	Microbiological Media	1,500	7
21	Food/Feed/Dry Fish/Drinking water/Carbonated beverages /Milk/Milk Products/ Cosmetics/Herbal Products /Nutraceutical Products	Total Plate Count	Pour Plate Method	1,500	7
22	Food/Feed/Beverage/Dry Fish/Nutraceutical Products	Total Viable Count (TVC)	Pour Plate Method	1,500	7
23	Food/Feed/Dry Fish/Food Additives	<i>Vibrio</i> Sp	Selective Method	2,500	7
24	DryFish/Food/Feed//Processed Products/Baby food/ Beverage	Yeast & Mold count	Microbiological Media	2,500	7

<b>Institute of Mining, Mineralogy &amp; Metallurgy (IMMM), BCSIR, JOYPURHAT</b>					
<b>Sl. No</b>	<b>Name of Sample</b>	<b>Test Parameter</b>	<b>Instruments Name</b>	<b>Fee (Without VAT)</b>	<b>Working Days</b>
1	Ceramic, coal, coke, charcoal, wood, rice husk, saw dust etc.	Ash	Furnace	3000	7
2	Coal, coke, charcoal, peat, lignite etc.	Calorific Value, Sulfur content	Bomb Calorimeter	3000	7
3	Steel (MS), Alloys	Carburizing	Furnace	6000	7
4	Cast iron, Aluminium, Brass etc.	Casting (Kg)	Sand Casting Setup	500	7
5	All types of Rocks, Minerals, Alloys, Sands, Soil, Stones etc.	Elemental Composition	XRF	10000	7
6	Sand	Compression, Shear, Tensile strength of Green sand, Nobake sand etc	Universal Sand Strength Machine	1000	7
7	Rocks, Minerals, Rod, Concrete cylinder, Bricks, Alloys, Ceramics	Compressive and Tensile strength, modulus of elasticity, poisson's ratio	Universal Testing Machine (UTM)	5000	7
8	Rocks, Minerals, Coals, Ceramics, Sands etc.	Crushing (Kg)	Jaw Crusher: (Feeding size : <200mm, Final size: <10 mm)	3000	7
9	Specimen having both izod and charpy configuration	Energy Test	Impact Tester	2000	7
10	Rocks, Minerals, Soils Coals, Ceramics, Sands etc.	Grinding (Kg)	Disk Mill (Feeding size : <20 mm Final size: 0.1mm-5mm)	3000	7
11	Rocks, Minerals, Soils Coals, Ceramics, Sands etc.	Grinding (100gm)	Mortar Grinder (Feeding size : <8mm, Final size:<0.01mm)	2000	7
12	Rocks, Minerals, Soils Coals, Ceramics, Sands etc.	Grinding and Mixing (100gm)	Planetary Mill (Feed size: <10mm (Max), Final size: <1mm.)	5000	7
13	Rocks, Minerals, Soils Coals, Ceramics, Sands etc.	Grinding and Mixing (50gm)	E-max Ball Mill (Feed size: <1mm (Max), Final size: <20 nano meter 60%)	10000	7
14	Sand	Hardness Test	Mould Hardness Tester	1000	7
15	Ferrous and non-ferrous materials	Hardness Test	Rockwell Hardness Tester	3000	7
16	Steel (Mold), Alloys	Heat Treatment (100 gm)	Furnace	8000	7
17	Sands	Magnetic Separation (Kg)	High Tension Magnetic Separator	3000	7

18	Sands	Magnetic and Para Magnetic Separation	Induced Roll Magnetic Separator	5000	7
19	Mild Steel	Mat. Joining (Rft)	Arc Welding	500	7
20	S/S	Mat. Joining (Rft)	Arc Welding	800	7
21	Cast Iron	Mat. Joining (Rft)	Arc Welding	800	7
22	Gold, Super Alloys, Steel etc.	Melting (100gm)	Furnace (1800°C)	8000	7
23	Steel, Alloys	Melting and Treatment (100gm)	Tube Furnace	10000	7
24	Metals, Alloys	Melting and Treatment (20gm)	Arc Furnace	15000	7
25	Metals, Alloys	Metallographic Specimen	Cutting device, Mounting device, Polishing wheel	10000	7
26	Rocks, Minerals	Mineralogical Composition	Polarizing and Zoom Microscope	10000	7
27	Ores	Mineralogical Composition	Ore Microscope	10000	7
28	Sand	Moisture % in Raw sand and Green sand.	Moisture Tester	2000	7
29	Solid Fuel: Coal, coke, charcoal, wood, rice husk, saw dust etc.	Moisture Content	Furnace	2000	7
30	Metals, Alloys	Ore/Metallic Composition	Ore/Metallurgical Microscope	6000	7
31	Sands	Particle Size Distribution	Sieve Analyzer	2000	7
32	Sands, Soils (nano size)	Particle Size Analysis	Particle Size Analyzer	10000	7
33	Rocks, Minerals, Ores etc.	Petrographic Slide	Petrological Sample Preparation Equipment	2000	7
34	Clay/Feldspar/Quartz/Refractory/Minerals/ Ceramic materials/ Enamel / Cement	Phase Analysis	X-ray Diffractometer	8000	7
35	Sands	Porosity in Raw sand, Green, Nobake sand.	Permeability Tester	1500	7
36	Organic/Inorganic Material	Pulverizing (100 gm)	Pulverizer/Press	1500	7
37	Glass Materials, Oil, Water, Honey etc.	Refractive Index	Refractometer	1500	7
38	Ceramic/Enamel Slips	Rheology Study	Viscometer, Circulator	3000	7
39	Rocks, Minerals, Soils Coals, Ceramics, Sands etc.	Separation of ferrous and non-ferrous materials (100 gm)	Floatation Cell	3000	7
40	Rocks, Minerals, Alloys or any suspension.	Trace metals (Al, Mg, Mn, Fe, Cu, Ti, As, Zn, Co, Ni etc. per element)	Titrametric /Gravimetric /Colorimetric/	3000	7

41	Water, Waste Water or any suspension.	Trace metals (Pd, Hg, As, Cl, SO <sub>4</sub> , NO <sub>3</sub> , NO <sub>2</sub> , Al, Mg, Mn, Fe, Cu, Ti, As, Zn, Co, Ni etc. per element))	Titrametric /Gravimetric /Colorimetric/	3000	7
42	Water, Waste Water or any suspension.	BOD and COD	Instrumental	3000	7
43	Water, Waste Water or any suspension.	(DO, pH, EC, TDS and Turbidity)	Instrumental	3000	7
44	Water, Waste Water or any suspension, Rocks, Minerals, Alloys or any suspension.	Trace metals (multi element)	ICP-MS	20000	7
45	Ferrous and non-ferrous materials	Turning/threading facing/boring (hour)	Lathe, Drilling m/c, Grinding M/c etc.	500	7
46	Liquid Fuels/Liquid Hydrocarbon: petrol, disel, grease, kerosin, tar, bitumen, engine oil	Viscosity Index	Viscometer, Circulator	3000	7
47	Mine Field	Support Design	Mining Software, Phase2 6.0	Negotiable	7
48	Mine Field	3D Stress Analysis	Mining Software, Examine3D 4.0	Negotiable	7
49	Mine Field	Underground Wedge	Mining Software Unwedge	Negotiable	7
50	Mine Field	Support Estimation	Mining Software Rocsupport 3.0	Negotiable	7
51	Mine Field	Pillar Stability	Mining Software Cpillar 3.0	Negotiable	7
52	Mine Field	Slope Stability	Mining Software Slide 5.0 & Rocplane 2.0	Negotiable	7
53	Liquids, solutions etc.	Na, K and Ca concentration	Flame Photometer	3000	7
54	Organic material, polymer, peat, wood, biomass, food etc	C H N S O content	Elemental analyzer	10000	7
55	Sands	Separation of low level impurities (250 gm)	Electrostatic plate separator	5000	7
56	Sands	Separation of light and heavy minerals (Kg)	Shaking Table	2000	7
57	Sands	Separation and volume % of individual mineral in sands	Isodynamic separator	10000	7
58	Sands	Gravitional Sepration (Magnetic, Non-magnetic and Light Mineals, per Ton)	Mineral Processing Plant Equipment (Wet)	10000	7
59	Sands (Out put of above item No. 58)	Individual Minerals (Ilmenite, Rutile, Zircon, Garnet, Magnetite etc.)	Mineral Processing Plant Equipment (Dry)	20000	7



60	Powder Samples	Characterize multiple thermal properties of a sample	TG-DTA (upto 1600°C)	6000	7
61	Rocks, Minerals, Ores, Sands, Metals, Alloys etc.	Scanning, Picture and EDS Compostion (upto 10 Lakh Magnification)	FE-SEM with EDS	20000	7
62	Rocks, Minerals, Ores, Sands, Metals, Alloys etc.	Scanning, Picture, EDS and WDX Compostion (upto 10 Lakh Magnification)	FE-SEM with WDX and EDS	30000	7
63	Rocks, Minerals, Ores, Sands,	Scanning, Picture and EDS Compostion (upto 10 Lakh Magnification)	FE-SEM with WDX and EDS with Mineralogic Software	40000	7
64	Rock	Cutting and coring	Rock cutting and coring machine	10000	7
65	Rock	Compressive strength	Rock automatic testing machine	10000	7
66	Soil	Triaxial Testing System	Geotechnical Instrument	25000	7
67	Soil, Sands etc.	Geophysical Borehole Logging with Gamma-SP-SPR- Resistivity Probe function	Geophysical Logging Instrument	20000	7
68	Area Mapping	ArcGIS Desktop Advance license, 3D Analyst, Geostatistical Analyst, Spatial Analyst, Image Analyst, Envi with Feature Extraction and SarScape with InSAR	ArcGIS Software	25000	7
69	Area Mapping	RockWorks is a comprehensive software program for creating 2D and 3D maps, logs and cross sections, geological models, volume reports, and general geology diagrams for the environmental, geotechnical, mining, and petroleum industries.	RockWorks	15000	7