



Contact: BRTC Co-ordinator Chemical Engineering		Phone: 0175-386-0567			
Sl. No.	Name of Test	Test Price (BDT)	VAT (15%) (BDT)	Total (BDT)	Grand Total (BDT)
Chemical Analysis					
1	Alum Al ₂ O ₃ Fe ₂ O ₃ Insoluble Residue(IR)	6000 6000 6000	900 900 900	6900 6900 6900	20700
2	Lime /hydrated CaCO ₃ CaO Size	6000 6000 2400	900 900 360	6900 6900 2760	
3	Bleaching Powder Chlorine Content and boiling loss	6000	900	6900	
4	Paper GSM Bulk Bursting factor Moisture Content Size Thickness	3000 3000 3000 3000 3000 3000	450 450 450 450 450 450	3450 3450 3450 3450 3450 3450	20700
5	Hydrogen Peroxide H ₂ O ₂ Content Specific Gravity at 20°C Thermal Stability	6000 1200 2400	900 180 360	6900 1380 2760	11040
6	Soda Ash (normal or light) Insoluble Residue(IR) Iron Na ₂ CO ₃ Content NaCl pH SO ₄ ²⁻	6000 6000 6000 6000 1200 6000	900 900 900 900 180 900	6900 6900 6900 6900 1380 6900	35880
7	Caustic Soda Na ₂ CO ₃ % Na ₂ SO ₄ % NaCl% NaOH %	6000 6000 6000 6000	900 900 900 900	6900 6900 6900 6900	23000
8	Sea Salt Ca Density Fe IR NaCl% pH SO ₄	6000 2000 6000 6000 6000 2000 6000	900 300 900 900 900 300 900	6900 2300 6900 6900 6900 2300 6900	39100



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9	Cement Insoluble Residue(IR) SiO ₂ Al ₂ O ₃ Fe ₂ O ₃ CaO MgO LOI VOC Na ₂ O K ₂ O	6000 6000 6000 6000 6000 6000 6000 6000 6000 6000 6000	900 900 900 900 900 900 900 900 900 900 900	6900 6900 6900 6900 6900 6900 6900 6900 6900 6900 6900	69000
10	Zinc Oxide	6000	900	6900	
11	Paint / Red Oxide Primer Flash point Viscosity Drying time Coverage VOC Lead Content Color	2400 2400 6000 6000 5000 6000 2400	360 360 900 900 750 900 360	2760 2760 6900 6900 5750 6900 2760	34730
12	Boiler Scale Ca Mg Iron Silicon	6000 6000 6000 6000	900 900 900 900	6900 6900 6900 6900	
13	Limestone CaO, SiO ₂ , LOI	24000	3600	27600	
14	Polyelectrolyte Color pH Interaction with chlorine Viscosity Water Solubility Jar Test	1200 1200 2500 2500 1000 15000	180 180 375 375 150 2250	1380 1380 2875 2875 1150 17250	26910
15	NPKS Fertilizer Nitrogen as NH ₃ Phosphate as P ₂ O ₅ Potassium as K ₂ O Sulphur as SO ₄	3000 1500 2500 1500	450 225 375 225	3450 1725 2875 1725	9775



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FUEL ANALYSIS					
1	Furnace Oil/diesel/Engine Oil/Transformer Oil/Needle oil				
	Acid Value / Base value / TAN / TBN	6000	900	6900	
	Ash Content	2500	375	2875	
	ASTM color	1200	180	1380	
	ASTM Distillation	4000	600	4600	
	Copper strip corrosion	2500	375	2875	
	Carbon Type	20000	3000	23000	
	Aniline point	2500	375	2875	
	Density	1200	180	1380	
	Fire Point	2500	375	2875	
	Flash Point	2500	375	2875	
	Heating or calorific Value	7000	1050	8050	
	Pour Point	2500	375	2875	
	PH	1200	180	1380	
	Sulphur	7000	1050	8050	
	Viscosity at one temperature	2500	375	2875	
	Viscosity Index	2500	375	2875	
	Carbon Residue	7000	1050	8050	
	Volatile Content	5000	750	5750	
	Lead	5000	750	5750	
	Lower Heating Value	10000	1500	11500	
	Cetane Index/Number	5000	750	5750	
	Diesel Index	5000	750	5750	
	Sediment	2500	375	2875	
	Solid Particle	2500	375	2875	
	Water	2500	375	2875	122015
2	Coal/Solid Fuels				
	Heating/calorific Value	7000	1050	8050	
	Sulfur	7000	1050	8050	
	Moisture Content	2500	375	2875	
	Inherent Moisture	2500	375	2875	
	Surface Moisture	2500	375	2875	
	Volatile Matter	3000	450	3450	
	Fixed Carbon	3000	450	3450	
	Size Distribution	5000	750	5750	
	Ash Content	2500	375	2875	40250
3	Rifle Grease (According PX-11)	15000	2250	17250	
4	Rifle Oil (According PX-11)	15000	2250	17250	
5	Natural Gas/Condensate				
	Composition and Heating Value	20000	3000	23000	



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AIR ANALYSIS					
1	Stack/Chimney Gas Analysis (By gastec tubes)				
	SOx	7000	1050	8050	
	NOx	7000	1050	8050	
	CO2	7000	1050	8050	
	CO	7000	1050	8050	
	SPM	25000	3750	28750	
	Noise Level	7000	1050	8050	
	Extra fees for each site visit (dhaka and nearb) (conveyance to be provided by client)	20000	3000	23000	92000
2	Ambient Air Analysis (By gastec tubes)				
	SOx	6000	900	6900	
	NOx	6000	900	6900	
	CO2	6000	900	6900	
	CO	6000	900	6900	
	SPM	25000	3750	28750	
	Noise Level	6000	900	6900	
	Extra fees for each site visit (inside dhaka) (conveyance to be provided by client)	20000	3000	23000	86250



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WATER ANALYSIS					
1	Aluminum (Al)	3000	450	3450	
2	Ammonium Nitrogen (NH ₄ - N)	650	98	748	
3	Arsenic (As)	2000	300	2300	
4	Barium (Ba)	1250	188	1438	
5	Biochemical Oxygen Demand (BOD ₅)	2000	300	2300	
6	Boron (B)	2500	375	2875	
7	Cadmium (Cd)	1250	188	1438	
8	Calcium (Ca)	1250	188	1438	
9	Carbon dioxide (CO ₂)	1000	150	1150	
10	Chemical Oxygen Demand (COD)	1500	225	1725	
11	Chloride	650	98	748	
12	Chromium (Cr), Hexavalent	1500	225	1725	
13	Chromium (Cr), Total	1250	188	1438	
14	Coliform, Fecal	1250	188	1438	
15	Coliform, Total	1250	188	1438	
16	Color	500	75	575	
17	Color (Filtered)	650	98	748	
18	Conductivity	700	105	805	
19	Copper (Cu)	1250	188	1438	
20	Density/ Specific Gravity	500	75	575	
21	Dissolved Oxygen (DO)	500	75	575	
22	Free Ammonia (NH ₃ - N)	1000	150	1150	
23	Fluoride, F	1000	150	1150	
24	Iron (Fe)	750	113	863	
25	Lead (Pb)	1500	225	1725	
26	Magnesium (Mg)	1800	270	2070	
27	Manganese (Mn)	1000	150	1150	
28	Mercury (Hg)	3500	525	4025	
29	Mixed Liquor Suspended Solid (MLSS)	2000	300	2300	
30	Nickel (Ni)	1250	188	1438	
31	Nitrate Nitrogen (NO ₃ - N)	650	98	748	
32	Nitrite Nitrogen (NO ₂ - N)	650	98	748	
33	Oil & Grease	6000	900	6900	
34	Organic Nitrogen	3000	450	3450	
35	pH	500	75	575	
36	Phosphorous	1000	150	1150	
37	Phosphate	1000	150	1150	
38	Phenol	1000	150	1150	
39	Potassium (K)	2500	375	2875	
40	Salinity	650	98	748	
41	Selenium (Se)	3000	450	3450	
42	Silica (SiO ₂)	750	113	863	
43	Silver (Ag)	1500	225	1725	



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44	Sodium (Na)	2500	375	2875	
45	Sulfate	625	94	719	
46	Sulfide	625	94	719	
47	Sulfite	625	94	719	
48	Total Alkalinity	750	113	863	
49	Total Ammonium Nitrogen (TAN)	1000	150	1150	
50	Total Dissolved Solids (TDS)	1000	150	1150	
51	Total Hardness	1000	150	1150	
52	Total Inorganic Nitrogen (TIN)	3000	450	3450	
49	Total Kjeldahl Nitrogen (TKN)	3000	450	3450	
50	Total Nitrogen	3000	450	3450	
51	Total Solids (TS)	1000	150	1150	
52	Total Suspended Solids (TSS)	1000	150	1150	
53	Turbidity	650	98	748	
54	Zinc (Zn)	1250	188	1438	

Drinking Water Parameters (Package)					
1	pH				
2	Color (True or Apparent)				
3	Turbidity				
4	Total Hardness				
5	Chloride (Cl)				
6	Total Dissolved Solids (TDS)	6000	900	6,900	
7	Manganese (Mn)				
8	Arsenic (As)				
9	Total Iron (Fe)				
10	Total Coliform(TC)				

OTHER TESTS

কেমিকৌশল বিভাগ
বাংলাদেশ প্রকৌশল বিশ্ববিদ্যালয়
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ফোনঃ ৯৬৬৫৬০৯



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1	Thermometer Calibration up to 100 °C above 100 °C	3000 6000	450 900	3450 6900	
2	Biodegradability of plastic/polymer	50000	7500	57500	
3	Moisture Meter Calibration	22000	3300	25300	