



Contact: BRTC Coordinator Chemical Engineering		Phone: <b>0175-386-0567</b>			
Sl. No.	Name of Test	Test Price (BDT)	VAT (15%) (BDT)	Total (BDT)	Grand Total (BDT)
<b>Chemical Analysis</b>					
1	<b>Alum</b> Al <sub>2</sub> O <sub>3</sub> Fe <sub>2</sub> O <sub>3</sub> Insoluble Residue(IR)	6500 6500 6500	975 975 975	7475 7475 7475	22425
2	<b>Lime /hydrated</b> CaCO <sub>3</sub> CaO Size	6500 6500 2600	975 975 390	7475 7475 2990	
3	<b>Bleaching Powder</b> Chlorine Content and boiling loss	6500	975	7475	
4	<b>Paper</b> GSM Bulk Bursting factor Moisture Content Size Thickness	3250 3250 3250 3250 3250 3250	488 488 488 488 488 488	3738 3738 3738 3738 3738 3738	22428
5	<b>Hydrogen Peroxide</b> H <sub>2</sub> O <sub>2</sub> Content Specific Gravity at 20°C Thermal Stability	6500 1300 2600	975 195 390	7475 1495 2990	11960
6	<b>Soda Ash (normal or light)</b> Insoluble Residue(IR) Iron Na <sub>2</sub> CO <sub>3</sub> Content NaCl pH SO <sub>4</sub> <sup>2-</sup>	6500 6500 6500 6500 1300 6500	975 975 975 975 195 975	7475 7475 7475 7475 1495 7475	38870
7	<b>Caustic Soda</b> Na <sub>2</sub> CO <sub>3</sub> % Na <sub>2</sub> SO <sub>4</sub> % NaCl% NaOH %	6500 6500 6500 6500	975 975 975 975	7475 7475 7475 7475	23000
8	<b>Sea Salt</b> Ca Density Fe IR NaCl% pH SO <sub>4</sub>	6500 2165 6500 6500 6500 2165 6500	975 325 975 975 975 325 975	7475 2490 7475 7475 7475 2490 7475	42355



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9	<b>Cement</b>				
	Insoluble Residue(IR)	6500	975	7475	
	SiO <sub>2</sub>	6500	975	7475	
	Al <sub>2</sub> O <sub>3</sub>	6500	975	7475	
	Fe <sub>2</sub> O <sub>3</sub>	6500	975	7475	
	CaO	6500	975	7475	
	MgO	6500	975	7475	
	LOI	6500	975	7475	
	VOC	6500	975	7475	
	Na <sub>2</sub> O	6500	975	7475	
K <sub>2</sub> O	6500	975	7475	74750	
10	<b>Zinc Oxide</b>	6500	975	7475	
11	<b>Paint / Red Oxide Primer</b>				
	Flash point	2600	390	2990	
	Viscosity	2600	390	2990	
	Drying time	6500	975	7475	
	Coverage	6500	975	7475	
	VOC	6500	975	7475	
	Lead Content	6500	975	7475	
	Color	2600	390	2990	38870
12	<b>Boiler Scale</b>				
	Ca	6500	975	7475	
	Mg	6500	975	7475	
	Iron	6500	975	7475	
	Silicon	6500	975	7475	
13	<b>Limestone</b>				
	CaO, SiO <sub>2</sub> , LOI	26000	3900	29900	
14	<b>Polyelectrolyte</b>				
	Color	1300	195	1495	
	pH	1300	195	1495	
	Interaction with chlorine	2710	407	3117	
	Viscosity	2710	407	3117	
	Water Solubility	1100	165	1265	
	Jar Test	16250	2438	18688	29177
15	<b>NPKS Fertilizer</b>				
	Nitrogen as NH <sub>3</sub>	3250	488	3738	
	Phosphate as P <sub>2</sub> O <sub>5</sub>	1625	244	1869	
	Potassium as K <sub>2</sub> O	2710	407	3117	
	Sulphur as SO <sub>4</sub>	1625	244	1869	10593



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<b>FUEL ANALYSIS</b>					
1	<b>Furnace Oil/diesel/Engine Oil/Transformer Oil/Needle oil</b>				
	Acid Value / Base value / TAN / TBN	6500	975	7475	
	Ash Content	2710	407	3117	
	ASTM color	1350	203	1553	
	ASTM Distillation	5000	750	5750	
	Copper strip corrosion	3000	450	3450	
	Carbon Type	20000	3000	23000	
	Aniline point	2710	407	3117	
	Density	1350	203	1553	
	Fire Point	2710	407	3117	
	Flash Point	2710	407	3117	
	Heating or calorific Value	7500	1125	8625	
	Pour Point	2710	407	3117	
	PH	1350	203	1553	
	Sulphur	7500	1125	8625	
	Viscosity at one temperature	2710	407	3117	
	Viscosity Index	2710	407	3117	
	Carbon Residue	7500	1125	8625	
	Volatile Content	5500	825	6325	
	Lead	7000	1050	8050	
	Lower Heating Value	10500	1575	12075	
	Cetane Index/Number	5500	825	6325	
	Diesel Index	5500	825	6325	
	Sediment	2710	407	3117	
	Solid Particle	2710	407	3117	
	Water	2710	407	3117	133004
2	<b>Coal/Solid Fuels</b>				
	Heating/calorific Value	7500	1125	8625	
	Sulfur	7500	1125	8625	
	Moisture Content	2710	407	3117	
	Inherent Moisture	2710	407	3117	
	Surface Moisture	2710	407	3117	
	Volatile Matter	3250	488	3738	
	Fixed Carbon	3250	488	3738	
	Size Distribution	5500	825	6325	
	Ash Content	2710	407	3117	43519
3	<b>Rifle Grease (According PX-11)</b>	16250	2438	18688	
4	<b>Rifle Oil (According PX-11)</b>	16250	2438	18688	
5	<b>Natural Gas/Condensate</b>				
	Composition and Heating Value	20000	3000	23000	

কেমিক্যাল বিভাগ  
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<b>AIR ANALYSIS</b>					
1	<b>Stack/Chimney Gas Analysis (By gastec tubes)</b>				
	SOx	7500	1125	8625	
	NOx	7500	1125	8625	
	CO2	7500	1125	8625	
	CO	7500	1125	8625	
	SPM	27100	4065	31165	
	Noise Level	7500	1125	8625	
	Extra fees for each site visit (dhaka and nearby) <b>(conveyance to be provided by client)</b>	22000	3300	25300	99590
2	<b>Ambient Air Analysis (By gastec tubes)</b>				
	SOx	6500	975	7475	
	NOx	6500	975	7475	
	CO2	6500	975	7475	
	CO	6500	975	7475	
	SPM	27100	4065	31165	
	Noise Level	6500	975	7475	
	Extra fees for each site visit (inside dhaka) <b>(conveyance to be provided by client)</b>	22000	3300	25300	93840



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<b>WATER ANALYSIS</b>					
1	Aluminum (Al)	3000	450	3450	
2	Ammonium Nitrogen (NH <sub>4</sub> - N)	650	98	748	
3	Arsenic (As)	2000	300	2300	
4	Barium (Ba)	1250	188	1438	
5	Biochemical Oxygen Demand (BOD <sub>5</sub> )	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 <sub>2</sub> )	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 <sub>3</sub> - 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 <sub>3</sub> - N)	650	98	748	
32	Nitrite Nitrogen (NO <sub>2</sub> - 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 <sub>2</sub> )	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)	6500	900	7,400	
7	Manganese (Mn)				
8	Arsenic (As)				
9	Total Iron (Fe)				
10	Total Coliform(TC)				

OTHER TESTS					
1	Thermometer Calibration up to 100 °C above 100 °C	3500	525	4025	
		6500	975	7475	
2	Biodegradability of plastic/polymer	55000	8250	63250	
3	Moisture Meter Calibration	25000	3750	28750	