

Table 1 Physico-chemical parameters of the Karnafully river water (Source: Sarwar et al., 2010)

Sample id	Color	Odor	Tem. (°C)	TSS (mg/L)	TDS (mg/L)	TS (mg/L)	Turb (FTU)	DO (mg/L)	pH	EC (µs/cm)	BOD (mg/L)	COD (mg/L)	Salinity (mg/L)
Patenga Sea Beach	Nearly colorless	Odorless	21	590	13200	13990	42.00	3.0-2.6	7.0	19920	163	390	6.20
Patenga Nevay Academy	Nearly colorless	Odorless	21	560	17500	18300	50.10	2.7-2.9	6.9	31340	178	380	6.50
Nevay Academy	Nearly colorless	Odorless	22	610	16100	16850	49.45	2.5	6.9	29900	195	420	9.20
15 no ghat, opposite of the KAFCO Dry Dock	Nearly colorless	Odorless	23	513	18530	19210	48.23	2.3	7.0	31300	160	350	7.00
Shipping Corporation	Nearly colorless	Odorless	23.5	490	12590	13193	45.00	0.20	6.8	20700	200	425	6.70
Chaktai New Bridge	Muddy	Pungent	22	480	510	1120	40.50	2.10	6.7	1080	290	635	0.40
Karnafully River in front of Chaktai Khal	Turbid color	High pungent	22.5	190	421	695	16.20	0.35	6.6	820	397	865	0.40
Chaktai Khal (Chawkbazar)	Turbid color	High pungent	23	120	292	472	14.00	0.65	6.6	552	198	510	1.50
Firingibazar Khal (at outfall to Karnafully River)	Light green	High pungent	24	230	999	1320	19.71	0.40	6.4	1806	370	755	5.20
Firingibazar Khal (Upstream)	Oily & Black	High pungent	24.5	380	6920	7441	23.33	1.50	6.2	11570	285	623	5.10
Monohar Khal (Low tide starting, east of Sadarghat)	Turbid color	Odorless	24	175	910	1167	18.45	0.10	6.4	1712	273	600	1.40
Monohar Khal (at outfall to Karnafully River)	Nearly colorless	Odorless	24	305	7510	7932	22.00	1.20	6.5	12880	243	590	5.10
Mazhirghat (Main drain)	Light green	Shortly pungent	23.5	210	3500	3910	19.50	4.5-8	6.4	6190	310	743	2.70
Mazhirghat (Outfall to Karnafully River)	Turbid color	Shortly pungent	23.5	275	6300	6685	26.10		6.5	10450	255	695	4.70