

# BANGLADESH UNIVERSITY OF ENGINEERING AND TECHNOLOGY (BUET)

## DEPARTMENT OF CIVIL ENGINEERING

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## ENVIRONMENTAL ENGINEERING LABORATORY



BRTC No. : 1101-52636 /17-18/CE; Dt: 23/1/2018

Ref. No. : 60; Dt: 23/1/2018

Sent by : Sub-Divisional Engineer, Rajarbagh PWD Sub-Division-1, Dhaka

Project : Const. of 20-storied Residential building with 20-storied foundation for Hon'ble Justice of Supreme Court, Bangladesh at Kakrail

Company : ---

Address : ---

Sample Id : ---

Location : Water of sewage treatment plant

Source : ---

Date of Test : 23/1/2018 - 4/2/2018

### TEST REPORT (PHYSICAL/ CHEMICAL/ BACTERIOLOGICAL ANALYSIS OF EFFLUENT SAMPLE)

Sl. No.	Water Quality Parameters	Unit	Concentration Present	ECR 1997			Method of analysis	Minimum Detection Limit (MDL)
				Discharge in Inland Water	Discharge Into Public Sewer	Discharge on Irrigated Land		
1	pH	---	7.54	6-9	6-9	6-9	USEPA 150.1; SM 4500-H+ B	0
2	Chemical Oxygen Demand (COD)	mg/l	25	200	400	400	USEPA 410.4; SM 5220 D	0.2
3	Biochemical oxygen Demand (BOD5)	mg/l	2.5	50	250	100	USEPA 405.1; SM 5210 B; SM 5210 D	0.2
4	Total Suspended Solids (TSS)	mg/l	11	150	500	200	USEPA 160.2; SM 2540 B - D	5
5	Total Dissolved Solids (TDS)	mg/l	515	2100	2100	2100	USEPA 160.2; SM 2540 B - D	5
6	Total Coliform(TC)	CFU/100ml	4	---	---	---	USEPA 9132; SM 9221 E	0
7	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---

Comments : 1. Sample was supplied by CLIENT  
2. Sample was received in sealed condition.

**Important Notes:** Samples as supplied to us have been tested in our laboratory. BRTC does not have any responsibility as to the representative character of the samples required to be tested. It is recommended that samples are sent in a secure and sealed cover/pack

Countersigned by:

*Dr. Abu Siddique*

Dr. Abu Siddique  
Professor, Dept. of Civil Engg.



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Test Performed by:

*T. Ahmed*  
Dr. Tanvir Ahmed 8.2.18

Associate Professor, Dept. of Civil Engineering

