

Schedule 10
Key Performance Indicators

1. Key Performance Indicators

1.1 Availability

The Concessionaire shall ensure that the Availability of the Facilities and the Associated Infrastructure on every day during the O&M Period shall be at least 100% (the “Guaranteed Availability”).

1.2 Treated Effluent Quality

The Treated Effluent shall meet the following requirements.

Parameter	Unit	Value
pH		6.5-9.0
BOD ₅ at 20 ⁰ C	mg/L	10
TSS	mg/L	10
TN	mg/L	10
NH ₄ -N	mg/L	5
COD	mg/L	50
TP	mg/L	2
Fecal Coliform	MPN/100 mL	<100

The Treated Effluent shall be tested and checked for compliance with KPIs as defined above by analysing the results of the online monitoring system. 24-hour composite samples shall be collected and analysed daily and such samples shall be stored in the dark and at a temperature of 1°C to 4°C. The samples shall not be allowed to freeze.

Sample Location and Parameters to be Measured	Frequency	Methodology
Treated Effluent (BOD, TSS, TN, NH ₄ -N, COD, TP)	Continuous	Analysing of the results of the online monitoring system
	One composite sample a day	24 hour composite sample be collected and stored in a dark at a temperature between 1°C and 4°C. The sample shall not be allowed to freeze. The sample shall be tested in a National Accreditation Board for Testing and Calibration Laboratories (NABL) accredited laboratory.
Treated Effluent (Fecal Coliform)	One composite sample a day	24 hour composite sample be collected and stored in a dark at a temperature between 1°C and 4°C. The sample shall not be allowed to freeze. The sample shall be tested in a NABL accredited laboratory.

1.3 Digested Sludge

The Digested Sludge shall meet the following requirements.

Units	Digested Sludge Consistency
Outlet Concentration of dewatered sludge	More than 20% solids (95%ile of the time)
Concentration with VSS/TSS ratio	45% or less

A grab sample would be collected once a week and shall be tested in a NABL accredited laboratory.