

Biological Process Stability Report

ABC INDUSTRIES LTD.

Date : 17/06/2026

Date : 19/06/2026

Plant Capacity : 500KLD

Biological Process KPIs

Average DO

2.05
mg/L

Average ORP

3,500.47
mV

Average RAS Flow

8.18
m³/day

Average WAS Flow

4.83
m³/day

Average MLSS

4.36
mg/L

Aeration & Biological Process Performance

Parameter	Minimum	Average	Maximum
DO	0	2.05	5.8
MLSS	0.75	4.36	9.82
ORP	3,496.69	3,500.47	3,504.98
Aeration Tank pH	6	7.56	9
Temperature	31.49	33.69	35.77

Sludge Process Monitoring

Parameter	Minimum	Average	Maximum
Sludge Blanket Level	0.1	1.1	2
Clarifier Turbidity	0.64	3.45	5.95
RAS Flow	0.04	8.18	13.51
WAS Flow	1.63	4.83	6

Biological Treatment Efficiency

Parameter	Inlet Average	Outlet Average	Removal Efficiency
BOD	235.38	16.25	93.1
COD	480.07	35.17	92.67
Ammonia	36.21	1.67	95.34
TSS	195.05	8.29	95.74