

PLANT PERFORMANCE REPORT

ABC INDUSTRIES LTD.

Date : 17/06/2026

Date : 19/06/2026

Plant Capacity : 500KLD

Plant Operational KPIs

Total Inlet Flow 3,955.15 m³/day	Treated Water Output 6,279.16 m³/day	Average DO 2.05 mg/L	Average MLSS 4.36 mg/L
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Flow & Equalization Performance

Parameter	Minimum	Average	Maximum
Inlet Flow	10.42	15.21	20.37
EQ Outlet Flow	14.21	18.63	22.01
EQ Tank pH	6	7.29	9

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	6	9
Air Header Pressure	0.2	0.6	1

Clarifier & Sludge Management

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
Sludge Tank Solids	3.27	6.71	10.43

Treated Water Performance

Parameter	Minimum	Average	Maximum
Outlet COD	31.68	35.17	39.24
Outlet BOD	11.91	16.25	20.2
Outlet TSS	3.71	8.29	11.87
Treated Water Turbidity	0.1	4.14	10
Residual Chlorine	0	1.01	2

Energy & Equipment Performance

Parameter	Minimum	Average	Maximum
Total Plant Power	21.9	25.82	31.8
Blower Power	8.7	12.18	16.55
Pump Power	5.76	8.03	11