

WATER QUALITY TEST REPORT

To : M/s. Tamil Nadu Surfing Association, Chennai

Location : Mahabalipuram Beach, Chengalpattu District, Tamil Nadu

Date of Sampling : 19th June 2025

Sampling Conducted By : Chennai Testing Laboratory Private Limited, Guindy, Chennai

1. Objective

To assess the suitability of Mahabalipuram Beach water for human contact and recreational activities such as surfing, sea swimming and other contact water sports, in alignment with WHO guidelines, Central Pollution Control Board (CPCB) norms, and international Blue Flag Standards.

2. Test Parameters & Results

S.NO	PARAMETER	METHOD	UNIT	RESULT	STANDARD LIMIT(WHO/CPCB)	COMPLIANCE
1	pH value @ 25°C	IS 3025 (Part 11)	-	8.0	6.5 - 8.5	Within Limits
2	Faecal Coliform(FC)	9221 E APHA 24th Edn	MPN/100ml	11	≤ 500 MPN/100ml(CPCB), ≤ 100(Blue Flag)	Within Limits
3	Turbidity	IS 3025 (Part 10)	NTU	1	< 5NTU(Blue Flag Guidelines)	Within Limits
4	Dissolved Oxygen(DO)	IS 3025 (Part 38)	mg/l	7.1	≥ 4.0 mg/l	Within Limits
5	Temperature	IS 3025 (Part 9)	°C	30.1	Ambient Seasonal Range	Acceptable
6	Oil & Grease	IS 3025 (Part 39)	mg/l	BLQ(LOQ:2.0)	< 10 mg/l	Within Limits
7	Floating Solids	Physical Observation	-	Absent	Nil	Within Limits

3. Interpretation

Based on the analysis of key physical, chemical, and biological indicators, Mahabalipuram Beach water quality falls well within the acceptable standard set for full-body contact recreational use. All measured parameters comply with the norms of the World Health Organization (WHO) and CPCB, and most meet the stricter benchmarks of the Blue Flag certification criteria.

4. Conclusion

The results indicate that Mahabalipuram Beach is safe for human contact and suitable for high-exposure recreational activities such as:

- Surfing
- Sea Swimming
- Bodyboarding
- Wading and Open Water Life Saving Drills

Routine testing and environmental monitoring are recommended to maintain consistent quality and early detection of seasonal or anthropogenic deviations.

*****END OF THE REPORT*****

For **Chennai Testing Laboratory Private Limited**



Authorized Signatory

