



ಕರ್ನಾಟಕ ವಿಧಾನ ಪರಿಷತ್ತು

ವಿಧಾನ ಪರಿಷತ್ತಿನ ಸದಸ್ಯರ ಹೆಸರು

ಶ್ರೀ ಕಿಶೋರ್ ಕುಮಾರ್ ಪುತ್ರೂರ್ (ಸ್ಥಳೀಯ ಸಂಸ್ಥೆಗಳ ಕ್ಷೇತ್ರದಿಂದ ಚುನಾಯಿತರಾದವರು)

ಚುಕ್ಕೆ ಗುರುತಿಲ್ಲದ ಪ್ರಶ್ನೆ ಸಂಖ್ಯೆ

46 (64)

ಉತ್ತರಿಸಬೇಕಾದ ದಿನಾಂಕ

17.08.2026

ಉತ್ತರಿಸಬೇಕಾದ ಸಚಿವರು

ಅರಣ್ಯ ಜೀವಿಶಾಸ್ತ್ರ ಮತ್ತು ಪರಿಸರ ಸಚಿವರು

ಕ್ರ.ಸಂ	ಪ್ರಶ್ನೆ	ಉತ್ತರ
ಅ)	ದಕ್ಷಿಣ ಕನ್ನಡ ಮತ್ತು ಉಡುಪಿ ಜಿಲ್ಲೆಗಳಲ್ಲಿ ನೇತ್ರಾವತಿ, ಕುಮಾರಧಾರ, ಫಲ್ಲುಣಿ, ಸ್ಕರ್ಣಾ, ಸೀತಾ ಸೇರಿದಂತೆ ಹಲವಾರು ನದಿಗಳು ಹರಿಯುತ್ತಿದ್ದು ಇತ್ತೀಚಿನ ದಿನಗಳಲ್ಲಿ ಸದರಿ ನದಿಗಳಿಗೆ ಸಾರ್ವಜನಿಕರು ಬಟ್ಟೆಗಳು, ಪ್ಲಾಸ್ಟಿಕ್ ಇತ್ಯಾದಿ ಅಪಾಯಕಾರಿ ತ್ಯಾಜ್ಯವನ್ನು ಎಸೆಯುತ್ತಿರುವುದು ಅಲ್ಲದೆ ಕೆಲವು ಕಾರ್ಖಾನೆಗಳು, ವಾಣಿಜ್ಯ ಸಂಸ್ಥೆಗಳು ತ್ಯಾಜ್ಯ ನೀರನ್ನು ನದಿಗಳಿಗೆ ಬಿಡುವುದರಿಂದ ನದಿಗಳು ಮಾಲಿನ್ಯಗೊಂಡು ಪರಿಸರ ಜಲಚರ ಸಂಪತ್ತು ಹಾಗೂ ಸಾರ್ವಜನಿಕರ ಆರೋಗ್ಯದ ಮೇಲೆ ಗಂಭೀರ ದುಷ್ಪರಿಣಾಮ ಬೀರುತ್ತಿರುವುದು ಸರ್ಕಾರದ ಗಮನಕ್ಕೆ ಬಂದಿದೆಯೇ; ಇದನ್ನು ತಡೆಗಟ್ಟಲು ಕೈಗೊಂಡ ಕ್ರಮಗಳೇನು;	1. ಮಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ ಪ್ರಾಪ್ತಿಯಲ್ಲಿ ಗುರುಪುರ (ಫಲ್ಲುಣಿ), ನಂದಿನಿ, ನೇತ್ರಾವತಿ ನದಿಗಳಿಗೆ ಸಂಸ್ಕರಿಸದ ಒಳಚರಂಡಿ ತ್ಯಾಜ್ಯ ಹರಿಸುತ್ತಿರುವ ಹಾಗೂ ಇತರ ಮೂಲಗಳಿಂದ (Missing Link) ನದಿಗಳಿಗೆ/ಕೆರೆಗಳಿಗೆ ಸೇರುತ್ತಿರುವ ಬಗ್ಗೆ ಹಾಗೂ ಒಳಚರಂಡಿ ವ್ಯವಸ್ಥೆ (Under Ground Drainage -UGD) ಸರಿಯಾಗಿ ನಿರ್ವಹಣೆಯಾಗದೇ ಇರುವ ಬಗ್ಗೆ ದೂರುಗಳು ಮಂಗಳೂರು ಪ್ರಾದೇಶಿಕ ಕಚೇರಿಗೆ ಸ್ವೀಕೃತವಾದ ಹಿನ್ನೆಲೆಯಲ್ಲಿ ನೋಟೀಸು ನೀಡುವುದರ ಮೂಲಕ ಹಾಗೂ ಮಂಡಳಿಯು ಗಮನಿಸಿದ ಅಂಶಗಳಿಗೆ ಮಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆಯಿಂದ ಅನುಪಾಲನೆ ಮಾಡದಿರುವ ಹಿನ್ನೆಲೆಯಲ್ಲಿ ದಿನಾಂಕ: 08.12.2025 ರಂದು In the Court of Principal Senior Civil Judge and C.J.M Mangaluru, Dakshina Kannada ಇಲ್ಲಿ ದಾಖಲಿಸಲಾದ PRC No. 27/2025ರಲ್ಲಿ ಮಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆಯ ಪ್ರಸ್ತುತ ಹಾಗೂ ಹಿಂದಿನ ಆಯುಕ್ತರ ವಿರುದ್ಧ ಈಗಾಗಲೇ ಕ್ರಿಮಿನಲ್ ಮೊಕದ್ದಮೆಯನ್ನು ಹೂಡಲಾಗಿರುತ್ತದೆ. ಉಡುಪಿ ಜಿಲ್ಲೆ: ಉಡುಪಿ ಜಿಲ್ಲೆಯಲ್ಲಿ ಬೈಂದೂರು ತಾಲೂಕಿನ ಕೊಲ್ಲೂರಿನ ಸೌಪರ್ಣಿಕ ನದಿಯಲ್ಲಿ ಸಂಸ್ಕರಿಸದ ತ್ಯಾಜ್ಯವನ್ನು ನದಿಗೆ ಬಿಡುತ್ತಿರುವ ಕುರಿತು ಮತ್ತು ಸುತ್ತಮುತ್ತ ಸ್ಥಾಪಿತವಾಗಿರುವ ಹೋಟೆಲ್/ ಲಾಡ್ಜ್/ ವಾಣಿಜ್ಯ ಸಂಕೀರ್ಣದಿಂದ ಉತ್ಪತ್ತಿಯಾಗುವ ಕಲುಷಿತ ನೀರನ್ನು ಅಗ್ನಿ ತೀರ್ಥ ಮತ್ತು ಸೌಪರ್ಣಿಕ ನದಿಗೆ ಬಿಡುತ್ತಿರುವುದರ ಬಗ್ಗೆ ಮಾನ್ಯ ರಾಷ್ಟ್ರೀಯ ಹಸಿರು ನ್ಯಾಯ ಪೀಠ ಮೂಲ ಅರ್ಜಿ ಸಂಖ್ಯೆ: 125/2024 ರಲ್ಲಿ ದೂರು ದಾಖಲಿಸಿರುತ್ತದೆ. ಕೊಲ್ಲೂರು ಶ್ರೀ ಮೂಕಾಂಬಿಕಾ ದೇವಸ್ಥಾನ, ಕೊಲ್ಲೂರು, ಇವರು ಹೋಟೆಲ್/ ಲಾಡ್ಜ್/ ವಾಣಿಜ್ಯ ಸಂಕೀರ್ಣದಿಂದ ಉತ್ಪತ್ತಿಯಾಗುವ ಕಲುಷಿತ ನೀರನ್ನು ಶುದ್ಧೀಕರಿಸಲು, ಒಳಚರಂಡಿಯನ್ನು ಅಳವಡಿಸಲು ಮಂಡಳಿಯಿಂದ ಸ್ಥಾಪನಾ ಸಮ್ಮತಿಯನ್ನು ಪಡೆದಿದ್ದು, ಅದನ್ನು ಸ್ಥಾಪಿಸಿ ಕಾರ್ಯಚರಿಸುವ ಮೊದಲು ಮಂಡಳಿಯಿಂದ ಚಾಲನಾ ಸಮ್ಮತಿಯನ್ನು ಪಡೆಯದೇ

		ಕಾರ್ಯಚರಿಸುತ್ತಿರುವುದರಿಂದ, ಈ ಕಛೇರಿಯಿಂದ ಸ್ಥಳ ಪರಿವೀಕ್ಷಣೆ ನಡೆಸಿ, ನೋಟೀಸ್‌ಗಳನ್ನು ನೀಡಲಾಗಿರುತ್ತದೆ. ಈ ಸಂದರ್ಭದಲ್ಲಿ ಮಾನ್ಯ ಜಿಲ್ಲಾಧಿಕಾರಿಯವರು ತಮ್ಮ ಅಧ್ಯಕ್ಷತೆಯಲ್ಲಿ ಸಮಿತಿಯನ್ನು ರಚಿಸಿದ್ದು, ಸಮಿತಿಯಿಂದ ಸಭೆಯನ್ನು ನಡೆಸಲಾಗಿರುತ್ತದೆ ಹಾಗೂ ಕ್ರಿಯಾ ಯೋಜನೆಯು ಮಾನ್ಯ ಹಸಿರು ನ್ಯಾಯಾಧಿಕರಣಕ್ಕೆ ಸಲ್ಲಿಕೆಯಾಗಿರುತ್ತದೆ. ಅಲ್ಲದೇ, ಘನತ್ಯಾಜ್ಯ ನಿರ್ವಹಣೆ ನಿಯಮಗಳು, 2026ರ ಪರಿಣಾಮಕಾರಿ ಅನುಷ್ಠಾನದ ಮೇಲ್ವಿಚಾರಣೆಗಾಗಿ ಮೇಲ್ವಿಚಾರಣಾ ಸಮಿತಿಯನ್ನು ರಚಿಸಿದ್ದು, ಅದರನ್ವಯ ಮಾನ್ಯ ಜಿಲ್ಲಾಧಿಕಾರಿಗಳ ಅಧ್ಯಕ್ಷತೆಯಲ್ಲಿ ಸಭೆಯನ್ನು ದಿನಾಂಕ: 21.05.2026 ರಂದು ನಡೆಸಿದ್ದು, ಸಭೆಯಲ್ಲಿಯೂ ಸಹ ಸದರಿ ವಿಷಯದ ಬಗ್ಗೆ ಎಲ್ಲಾ ಸ್ಥಳೀಯ ಸಂಸ್ಥೆಗಳ ಅಧಿಕಾರಿಗಳಿಗೆ ನಿರ್ದೇಶನ ನೀಡಲಾಗಿರುತ್ತದೆ.
ಆ)	ದಕ್ಷಿಣ ಕನ್ನಡ ಮತ್ತು ಉಡುಪಿ ಜಿಲ್ಲೆಗಳಲ್ಲಿನ ನದಿಗಳ ಮಾಲಿನ್ಯ ಮಟ್ಟವನ್ನು ಪರಿಶೀಲಿಸಲು ಸರ್ಕಾರವು ಕಳೆದ ಮೂರು ವರ್ಷಗಳಲ್ಲಿ ಯಾವುದಾದರೂ ಸಮೀಕ್ಷೆ ಅಥವಾ ನೀರಿನ ಗುಣಮಟ್ಟ ಪರೀಕ್ಷೆ ನಡೆಸಿದೆಯೇ; ನಡೆಸಿದ್ದರೆ ಅದರ ವಿವರ ಹಾಗೂ ವರದಿ ನೀಡುವುದು	ದಕ್ಷಿಣ ಕನ್ನಡ ಮತ್ತು ಉಡುಪಿ ಜಿಲ್ಲೆಯಲ್ಲಿ, ಸೌಪರ್ಣಿಕ, ನೇತ್ರಾವತಿ, ಕುಮಾರಧಾರ, ಫಲ್ಗುಣಿ ನದಿಗಳ ನೀರಿನ ಗುಣಮಟ್ಟ ಪರೀಕ್ಷೆ ಪರಿವೀಕ್ಷಣೆ ಪ್ರತಿ ತಿಂಗಳು ಸಂಗ್ರಹಿಸಿ ವಿಶ್ಲೇಷಣೆಯನ್ನು ಮಂಡಳಿಯ ಪ್ರಯೋಗಾಲಯದಲ್ಲಿ ಮಾಡಲಾಗುತ್ತಿದೆ. ಅದರನ್ವಯ, ಸದರಿ ನದಿಗಳ ನೀರು ಕೇಂದ್ರ ಮಾಲಿನ್ಯ ನಿಯಂತ್ರಣ ಮಂಡಳಿಯ ನದಿ ನೀರಿನ ವರ್ಗೀಕರಣಗಳ ಪ್ರಕಾರ ಜುಲೈ ತಿಂಗಳ ವರದಿಯಂತೆ "ಬಿ" ವರ್ಗಕ್ಕೆ ಬರುತ್ತಿದ್ದು, ಕಳೆದ ಒಂದು ವರ್ಷದ ವಿಶ್ಲೇಷಣಾ ವರದಿಯನ್ನು ಅನುಬಂಧ-01 ರಲ್ಲಿ ಲಗತ್ತಿಸಲಾಗಿದೆ.
ಇ)	ಸದರಿ ಜಿಲ್ಲೆಗಳಲ್ಲಿ ಕಳೆದ 3 ವರ್ಷಗಳಲ್ಲಿ ನದಿಗಳಿಗೆ ಘನ ತ್ಯಾಜ್ಯ, ಪ್ಲಾಸ್ಟಿಕ್ ತ್ಯಾಜ್ಯ ಮತ್ತು ಸಂಸ್ಕರಿಸದ ತ್ಯಾಜ್ಯ ನೀರನ್ನು ಬಿಡುತ್ತಿರುವ ಎಷ್ಟು ಪ್ರಕರಣಗಳು ಪತ್ತೆಯಾಗಿವೆ; (ಪ್ರಕರಣವಾರು ವಿವರ ನೀಡುವುದು);	- ಮಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ ಪ್ರಾಪ್ತಿಯಲ್ಲಿ ಗುರುಪುರ (ಫಲ್ಗುಣಿ), ನಂದಿನಿ, ನೇತ್ರಾವತಿ ನದಿಗಳಿಗೆ ಸಂಸ್ಕರಿಸದ ಒಳಚರಂಡಿ ತ್ಯಾಜ್ಯ ಹರಿಸುತ್ತಿರುವ ಹಾಗೂ ಇತರ ಮೂಲಗಳಿಂದ (Missing link) ನದಿಗಳಿಗೆ/ಕೆರೆಗಳಿಗೆ ಸೇರುತ್ತಿರುವ ಬಗ್ಗೆ ಹಾಗೂ ಒಳಚರಂಡಿ ವ್ಯವಸ್ಥೆ (Under Ground Drainage-UGD) ಸರಿಯಾಗಿ ನಿರ್ವಹಣೆಯಾಗದೇ ಇರುವ ಬಗ್ಗೆ ಮಹಾನಗರ ಪಾಲಿಕೆಯ ವಿರುದ್ಧ ದೂರುಗಳು ಕರ್ನಾಟಕ ರಾಜ್ಯ ಮಾಲಿನ್ಯ ನಿಯಂತ್ರಣ ಮಂಡಳಿಗೆ ಸ್ವೀಕೃತವಾದ ಹಿನ್ನೆಲೆಯಲ್ಲಿ ನೋಟೀಸು ನೀಡುವುದರ ಮೂಲಕ ಹಾಗೂ ಮಂಡಳಿಯು ಗಮನಿಸಿದ ಅಂಶಗಳಿಗೆ ಮಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆಯಿಂದ ಅನುಪಾಲನೆ ಮಾಡದಿರುವ ಹಿನ್ನೆಲೆಯಲ್ಲಿ ದಿನಾಂಕ: 08.12.2025 ರಂದು In the Court of Principal Senior Civil Judge and C.J.M Mangaluru, Dakshina Kannada ಇಲ್ಲಿ ಮಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆಯ ಪ್ರಸ್ತುತ ಹಾಗೂ ಹಿಂದಿನ ಆಯುಕ್ತರ ವಿರುದ್ಧ ಈಗಾಗಲೇ ಕ್ರಿಮಿನಲ್ ಮೊಕದ್ದಮೆಯನ್ನು ಸಲ್ಲಿಸಲಾಗಿರುತ್ತದೆ. - ಮಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆಯ ಮಧ್ಯ ಸುರತ್ಕಲ್ ರೊಚ್ಚು ನೀರು ಸಂಸ್ಕರಣ ಘಟಕದ ಜಾಲನಾ ಸಮಿತಿ ಪತ್ರದ ಷರತ್ತು ಹಾಗೂ

ನಿಬಂಧನೆಗಳ ಪಾಲನೆ ಮಾಡದೇ ಇರುವ ಕಾರಣ ಹಾಗೂ ಸಂಸ್ಕರಿಸದ ರೋಚ್ಚು ನೀರು ನದಿ ಮೂಲಗಳಿಗೆ ಬಿಡುತ್ತಿರುವ ಕುರಿತು ಮಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ ಹಾಗೂ ಶ್ರೀನಿವಾಸ ಕಾಲೇಜು, ಮುಕ್ಯ ವಿರುದ್ಧ ಈಗಾಗಲೇ ಕರ್ನಾಟಕ ರಾಜ್ಯ ಮಾಲಿನ್ಯ ನಿಯಂತ್ರಣ ಮಂಡಳಿಯಿಂದ ಕ್ರಮ ಕೈಗೊಂಡು ಮಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ ವಿರುದ್ಧ ರೂ. 1986.695 ಲಕ್ಷ ಪರಿಸರ ಪರಿಹಾರವನ್ನು ವಿಧಿಸಲು ಕೇಂದ್ರ ಕಛೇರಿಗೆ ಶಿಫಾರಸ್ಸು ಮಾಡಲಾಗಿದೆ ಹಾಗೂ ಮೆ// ಶ್ರೀನಿವಾಸ ಕಾಲೇಜು ಮುಕ್ಯ ವಿರುದ್ಧ ಚಾಲನಾ ಸಮ್ಮತಿ ಪತ್ರದ ಷರತ್ತು ಹಾಗೂ ನಿಬಂಧನೆಗಳ ಅನುಪಾಲನೆ ಮಾಡದೇ ಇರುವ ಕಾರಣ ರೂ. 72.90 ಲಕ್ಷ ಪರಿಸರ ಪರಿಹಾರವನ್ನು ವಿಧಿಸಲು ಕೇಂದ್ರ ಕಛೇರಿಗೆ ಸಲ್ಲಿಸಲಾಗಿದೆ.

- ಬಂಟ್ವಾಳ ಪುರಸಭೆ ವ್ಯಾಪ್ತಿಯಲ್ಲಿ ನೇತ್ರಾವತಿ ನದಿಗೆ ಸಂಸ್ಕರಿಸದ ಒಳಚರಂಡಿ ತ್ಯಾಜ್ಯ ಹರಿಸುತ್ತಿರುವ ಹಾಗೂ ಇತರ ಮೂಲಗಳಿಂದ (Missing link) ನದಿಗಳಿಗೆ/ಕರಗಗಳಿಗೆ ಸೇರುತ್ತಿರುವ ಬಗ್ಗೆ ಹಾಗೂ ಒಳಚರಂಡಿ ವ್ಯವಸ್ಥೆ (Under Ground Drainage-UGD) ಇಲ್ಲದೇ ಇರುವ ಬಗ್ಗೆ ಕರ್ನಾಟಕ ರಾಜ್ಯ ಮಾಲಿನ್ಯ ನಿಯಂತ್ರಣ ಮಂಡಳಿಗೆ ಸ್ವೀಕೃತವಾದ ಹಿನ್ನೆಲೆಯಲ್ಲಿ ಪರಿವೀಕ್ಷಣೆ ಕೈಗೊಂಡು ಕಾನೂನುಬದ್ಧ ಮಾದರಿಗಳನ್ನು ಸಂಗ್ರಹಿಸಲಾಗಿದ್ದು ಹಾಗೂ ಪರಿವೀಕ್ಷಣೆಯ ವೇಳೆಯಲ್ಲಿ ಕಂಡುಬಂದ ಅಂಶಗಳಿಗೆ ಹಾಗೂ ವಿಶ್ಲೇಷಣಾ ವರದಿಯ ಅನುಸಾರ ಮಂಡಳಿಯ ಮಾನದಂಡಗಳಿಗೆ ಅನುಗುಣವಾಗದೇ ಇರುವುದರಿಂದ ಕರ್ನಾಟಕ ರಾಜ್ಯ ಮಾಲಿನ್ಯ ನಿಯಂತ್ರಣ ಮಂಡಳಿಯಿಂದ ಕಾರಣ ಕೇಳುವ ನೋಟೀಸುಗಳನ್ನು ಜಾರಿ ಮಾಡಲಾಗಿರುತ್ತದೆ ಹಾಗೂ ಸದರಿಯವರ ವಿರುದ್ಧ ಜಲ (ಮಾಲಿನ್ಯ ನಿವಾರಣೆ ಮತ್ತು ನಿಯಂತ್ರಣ) ಕಾಯಿದೆ 1974 ಅಡಿಯಲ್ಲಿ ಕ್ರಿಮಿನಲ್ ಮೊಕದ್ದಮೆ ದಾಖಲಿಸಲು ಅಧಿಕಾರ ಪತ್ರ ನೀಡಲು ಹಾಗೂ ಪರಿಸರ ಪರಿಹಾರವನ್ನು (Environmental Compensation) ವಿಧಿಸಲು ಮಂಡಳಿಯ ಕೇಂದ್ರ ಕಛೇರಿಗೆ ಶಿಫಾರಸ್ಸು ಮಾಡಲಾಗಿದೆ.

ಕೈಗಾರಿಕಾ ತ್ಯಾಜ್ಯವು ಫಲ್ಗುಣಿ ನದಿ ಸೇರುತ್ತಿರುವ ಕುರಿತು ಗುರುಪುರ ನದಿಯ ಮಾಲಿನ್ಯದ ಕುರಿತು ಈಗಾಗಲೇ ಮಾನ್ಯ ರಾಷ್ಟ್ರೀಯ ಹಸಿರು ನ್ಯಾಯಾಧೀರಣದಲ್ಲಿ (PB 307/2022 (SZ 151/2023) ರಂತೆ ಪ್ರಕರಣ ದಾಖಲಾದ ಹಿನ್ನೆಲೆಯಲ್ಲಿ ಮಾನ್ಯ ಜಿಲ್ಲಾಧಿಕಾರಿಗಳ ನೇತೃತ್ವದಲ್ಲಿ ಇತರ ಇಲಾಖೆಗಳ / ಸಂಸ್ಥೆಗಳ ಪ್ರತಿನಿಧಿಗಳು / ಪರಿಣಿತರನ್ನೊಳಗೊಂಡ ಜಂಟಿ ಸಮಿತಿ ಸಭೆಯ 16.05.2022ರ ನಡವಳಿಯಂತೆ ಮಹಾನಗರ ಪಾಲಿಕೆ ಮತ್ತು ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಅಭಿವೃದ್ಧಿ ಮಂಡಳಿಯವರಿಗೆ ಬೈಕಂಪಾಡಿ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶದಲ್ಲಿ ಉತ್ಪತ್ತಿಯಾಗುವ ತ್ಯಾಜ್ಯ ನೀರಿಗೆ ಸಾಮಾನ್ಯ ತ್ಯಾಜ್ಯ ನೀರು ಸಂಸ್ಕರಣಾ ಘಟಕ ಅಳವಡಿಸಿ ಸಂಸ್ಕರಿಸಲು ಹಾಗೂ ಘನತ್ಯಾಜ್ಯ ನಿರ್ವಹಣೆಗಾಗಿ ಈಗಾಗಲೇ ರಾಜ್ಯ ಮಾಲಿನ್ಯ ನಿಯಂತ್ರಣ

ಮಂಡಳಿಯಿಂದ ನಿರ್ದೇಶನ ಮಾಡಲಾಗಿದೆ ಹಾಗೂ ಮಂಡಳಿಯಿಂದ ನೀಡಿರುವ ಸಮ್ಮತಿ ಪತ್ರದ ನಿಯಮಗಳು ಹಾಗೂ ಷರತ್ತುಗಳನ್ನು ಪಾಲಿಸದೇ ಇರುವಂತಹ ಬೈಕಂಪಾಡಿ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶದಲ್ಲಿನ 06 ಕೈಗಾರಿಕೆಯವರಿಗೆ ಕರ್ನಾಟಕ ರಾಜ್ಯ ಮಾಲಿನ್ಯ ನಿಯಂತ್ರಣ ಮಂಡಳಿಯಿಂದ ಈಗಾಗಲೇ ಪರಿಸರ ಪರಿಹಾರವನ್ನು ವಿಧಿಸಿ ಡಿಮಾಂಡ್ ನೋಟೀಸನ್ನು ನೀಡಲಾಗಿದೆ ಮತ್ತು ಮಂಡಳಿಯಿಂದ ನೀಡಿರುವ ಸಮ್ಮತಿ ಪತ್ರದ ನಿಯಮಗಳು ಹಾಗೂ ಷರತ್ತುಗಳನ್ನು ಪಾಲಿಸದೇ ಇರುವ ಇತರ ಕೈಗಾರಿಕೆಗಳಿಗೆ ಕಾರಣ ಕೇಳುವ ನೋಟೀಸು ನೀಡುವ ಮೂಲಕ ಕೈಗಾರಿಕೆಯವರಿಂದ ಅನುಪಾಲನೆ ಮಾಡಿಸಲಾಗಿದೆ ಹಾಗೂ ಅನುಪಾಲನೆ ಮಾಡದಂತಹ ಕೈಗಾರಿಕೆಯವರಿಗೆ (Notice of Proposed Direction - NPD) ಪ್ರಸ್ತಾವಿತ ಮುಚ್ಚುವ ಆದೇಶ ಹಾಗೂ ಮುಚ್ಚುವ ಆದೇಶ ನೀಡಲು ಶಿಫಾರಸ್ಸು ಮಾಡಲಾಗಿದ್ದು, ತಪ್ಪಿತಸ್ಥರ ವಿರುದ್ಧ ಸೂಕ್ತ ಕ್ರಮ ಕೈಗೊಳ್ಳಲಾಗಿದೆ. 2024-25 ಸಾಲಿನಲ್ಲಿ 06 ಸಂಖ್ಯೆ ಹಾಗೂ 2025-26 ಸಾಲಿನಲ್ಲಿ 07 ಕೈಗಾರಿಕೆಗಳಿಗೆ ಮುಚ್ಚುವ ಆದೇಶ ನೀಡಲಾಗಿದೆ. ಮುಂದುವರಿದು ನೀರಿನ ತೀವ್ರ ಬಳಕೆ ಹಾಗೂ ವಿಸರ್ಜನೆಯನ್ನು ತಪ್ಪಿಸಲು ಕರ್ನಾಟಕ ರಾಜ್ಯ ಮಾಲಿನ್ಯ ನಿಯಂತ್ರಣ ಮಂಡಳಿಯ ಆದೇಶದ ಮೇರೆಗೆ ಹಲವು ಕೈಗಾರಿಕೆಗಳು ಈಗಾಗಲೇ ಶೂನ್ಯ ದ್ರವ ವಿಸರ್ಜನೆ (ZLD Plant) ಘಟಕವನ್ನು ಅಳವಡಿಸಿ ಅನುಪಾಲನೆ ಮಾಡಿರುತ್ತಾರೆ.

ಕಟ್ಟಡಗಳಲ್ಲಿ ತ್ಯಾಜ್ಯ ನೀರು ಸಂಸ್ಕರಣಾ ಘಟಕಗಳನ್ನು (Sewage Treatment Plant) ಅಳವಡಿಸುವ ಕುರಿತು, ಆಯುಕ್ತರು, ಮಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ, ಯೋಜನಾ ನಿರ್ದೇಶಕರು, ಜಿಲ್ಲಾ ನಗರಾಭಿವೃದ್ಧಿ ಕೋಶ, ಮುಖ್ಯ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಧಿಕಾರಿಗಳು, ಜಿಲ್ಲಾ ಪಂಚಾಯತ್ ದಕ್ಷಿಣ ಕನ್ನಡ ಜಿಲ್ಲೆ, ಇವರ ಅಧೀನದಲ್ಲಿ ಒಳಪಡುವ ಎಲ್ಲಾ ಸ್ಥಳೀಯ ಸಂಸ್ಥೆಗಳು, ತಾಲೂಕು ಪಂಚಾಯತಿಗಳು, ಗ್ರಾಮ ಪಂಚಾಯತಿಗಳಿಗೆ ಕಟ್ಟಡ ಪರವಾನಿಗೆ ಮಂಜೂರಾತಿ ಮಾಡುವಾಗ ಹಾಗೂ ಒಳಚರಂಡಿಗೆ ಸಂಪರ್ಕಕ್ಕೆ ಮಂಜೂರಾತಿ ನೀಡುವಾಗ ಆದೇಶವನ್ನು ಕಟ್ಟು ನಿಟ್ಟಾಗಿ ಪಾಲಿಸಲು ಹಾಗೂ ಕಟ್ಟಡಗಳು ತ್ಯಾಜ್ಯ ನೀರು ಸಂಸ್ಕರಣಾ ಘಟಕವನ್ನು ಅಳವಡಿಸಿರುವ ಕುರಿತು ಹಾಗೂ ಮಾಲಿನ್ಯ ನಿಯಂತ್ರಣ ಮಂಡಳಿಯಿಂದ ಸ್ವಾಪನಾ ಸಮ್ಮತಿ ಪತ್ರ/ಕಾರ್ಯಚರಣಾ ಸಮ್ಮತಿ ಪತ್ರ(CFE/CFO) ಪಡೆದಿರುವ ಬಗ್ಗೆ ಖಾತರಿ ಪಡೆದು ಮಂಜೂರಾತಿ ನೀಡುವ ಬಗ್ಗೆ ಕ್ರಮ ಕೈಗೊಳ್ಳಲಾಗುತ್ತಿದೆ.

ಉಡುಪಿ ಜಿಲ್ಲೆಯಲ್ಲಿ ಬೈಂದೂರು ತಾಲೂಕಿನ ಕೊಲ್ಲೂರಿನ ಸೌಪರ್ಣಿಕ ನದಿಯಲ್ಲಿ ಸಂಸ್ಕರಿಸದ ತ್ಯಾಜ್ಯವನ್ನು ನದಿಗೆ ಬಿಡುತ್ತಿರುವ ಕುರಿತು ಮತ್ತು ಸುತ್ತಮುತ್ತ ಸ್ಥಾಪಿತವಾಗಿರುವ ಹೋಟೆಲ್/ಲಾಡ್ಜ್/ವಾಣಿಜ್ಯ ಸಂಕೀರ್ಣದಿಂದ ಉತ್ಪತ್ತಿಯಾಗುವ ಕಲುಷಿತ ನೀರನ್ನು ಅಗ್ನಿ ತೀರ್ಥ ಮತ್ತು ಸೌಪರ್ಣಿಕ ನದಿಗೆ ಬಿಡುತ್ತಿರುವುದರ ಬಗ್ಗೆ ಮಾನ್ಯ ರಾಷ್ಟ್ರೀಯ ಹಸಿರು ನ್ಯಾಯ ಪೀಠ ಮೂಲ ಅರ್ಜಿ ಸಂಖ್ಯೆ:

		125/2024 ರಲ್ಲಿ ದೂರು ದಾಖಲಿಸಿರುತ್ತದೆ. ಕೊಲ್ಲೂರು ಶ್ರೀ ಮೂಕಾಂಬಿಕಾ ದೇವಸ್ಥಾನ, ಕೊಲ್ಲೂರು, ಇವರು ಹೋಟೆಲ್/ಲಾಡ್ಜ್/ವಾಣಿಜ್ಯ ಸಂಕೀರ್ಣದಿಂದ ಉತ್ಪತ್ತಿಯಾಗುವ ಕಲುಷಿತ ನೀರನ್ನು ಶುದ್ಧೀಕರಿಸಲು, ಒಳಚರಂಡಿಯನ್ನು ಅಳವಡಿಸಲು ಮಂಡಳಿಯಿಂದ ಸ್ವಾಪನಾ ಸಮ್ಮತಿಯನ್ನು ಪಡೆದಿದ್ದು ಅದನ್ನು ಸ್ಥಾಪಿಸಿ ಕಾರ್ಯಚರಿಸುವ ಮೊದಲು ಮಂಡಳಿಯಿಂದ ಚಾಲನಾ ಸಮ್ಮತಿಯನ್ನು ಪಡೆಯದೇ ಕಾರ್ಯಚರಿಸುತ್ತಿರುವುದರಿಂದ, ಈ ಕಛೇರಿಯಿಂದ ಸ್ಥಳ ಪರಿವೀಕ್ಷಣೆ ನಡೆಸಿ, ನೋಟೀಸ್ ಗಳನ್ನು ನೀಡಲಾಗಿರುತ್ತದೆ. ಈ ಸಂದರ್ಭದಲ್ಲಿ ಮಾನ್ಯ ಜಿಲ್ಲಾಧಿಕಾರಿಯವರು ತಮ್ಮ ಅಧ್ಯಕ್ಷತೆಯಲ್ಲಿ ಸಮಿತಿಯನ್ನು ರಚಿಸಿದ್ದು ಸಮಿತಿಯಿಂದ ಸಭೆಯನ್ನು ನಡೆಸಲಾಗಿರುತ್ತದೆ ಹಾಗೂ ಕ್ರಿಯಾ ಯೋಜನೆಯು ಮಾನ್ಯ ಹಸಿರು ನ್ಯಾಯಾಧಿಕರಣ ಪೀಠಕ್ಕೆ ಸಲ್ಲಿಕೆಯಾಗಿರುತ್ತದೆ.
(ಈ)	ನದಿ ಮಾಲಿನ್ಯಕ್ಕೆ ಕಾರಣವಾಗಿರುವ ಕಾರ್ಖಾನೆಗಳು, ವಾಣಿಜ್ಯ ಸಂಸ್ಥೆಗಳು, ಸ್ಥಳೀಯ ಸಂಸ್ಥೆಗಳು ಅಥವಾ ವ್ಯಕ್ತಿಗಳ ವಿರುದ್ಧ ಸರ್ಕಾರ/ ಕರ್ನಾಟಕ ರಾಜ್ಯ ಮಾಲಿನ್ಯ ನಿಯಂತ್ರಣ ಮಂಡಳಿಯಿಂದ ಯಾವ ಕ್ರಮ ಕೈಗೊಳ್ಳಲಾಗಿದೆ; ವಿಧಿಸಲಾದ ದಂಡ, ನೋಟೀಸ್ ಮತ್ತು ಕೈಗೊಂಡ ಕಾನೂನು ಕ್ರಮಗಳೇನು?	ಉತ್ತರವನ್ನು ಪ್ರಶ್ನೆ ಸಂಖ್ಯೆ: (ಅ) ಇಂದ (ಇ) ರಲ್ಲಿ ನೀಡಲಾಗಿದೆ.

ಸಂಖ್ಯೆ: ಅಪಜೀ 220 ಇಪಿಸಿ 2026


 (ರಾಮಲಿಂಗಾರವರು)
 ಅರಣ್ಯ, ಜೀವಿಪರಿಸ್ಥಿತಿ ಮತ್ತು ಪರಿಸರ ಸಚಿವರು.

SPCB Part-1 Bykavali,
No.23 & 24 4th cross
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Bykavadi,
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**KARNATAKA STATE POLLUTION CONTROL BOARD
REGIONAL LABORATORY**
ISO 9001:2015 and ISO 45001:2018 CERTIFIED LABORATORY

Email: mangalore@kspcb.kn.gov.in
Website: kspcb.karnataka.gov

ಕರ್ನಾಟಕ ರಾಜ್ಯದ ಮಲಮಲಿನ ನಿಯಂತ್ರಣ ಮತ್ತು ಸಂರಕ್ಷಣೆ ಇಲಾಖೆ
ಬೆಂಗಳೂರು, ಕೆ.ಎಸ್.ಪಿ.ಸಿ.ಬಿ. ಕಛೇರಿ
ಕರ್ನಾಟಕ ರಾಜ್ಯದ ಮಲಮಲಿನ ನಿಯಂತ್ರಣ ಮತ್ತು ಸಂರಕ್ಷಣೆ ಇಲಾಖೆ
ಬೆಂಗಳೂರು - 575011

1	Station code	1892				Date: / /	
2	Date & time of Sample taken	Date	07.07.2026	Time	15:10	Type of Water Body	River water
3	Name of Monitoring Station	River Netravathi U/s of Dharmastala water supply intake point.				SAMPLE COLLECTED BY : L.O. KSPCB RO: MANGALURU	
4	Temperature	26 °C				Completed by Scientific Assistant	
5	Visible Effluent Discharge in Proximity	None ✓	Moderate	High	Other	Verified by:	Assistant Scientific Officer
6	Weather	Cloudy	Clear	Windy	Raining ✓	AGENCY:	KARNATAKA
7	Depth of water body (meter)	< 50 cm	50-100cm	> 100 cm ✓	Flood	Date of commencement of test	08.07.2026
8	Human Activities	Cattle Wading	Melon Farming	Fishing	Other None ✓	Date of completion of test	31.07.2026
9	Colour	Clear	Turbid	Green	Brownish / Muddy Colour ✓	Sample Report No.	194
10	Odour	None ✓	Fishy	ITS	Other	Sample No.	296
11	Particulars of sample collected	River water					

Parameters	Unit	Water Quality Criteria					Result	Test Method
		A	B	C	D	E		
pH	-	6.5-8.5	6.5-8.5	6.0-9.0	6.5-8.5	6.0-8.5	7.8	IS 3025 (Part 11): 2022
Conductivity	µS/cm	-	-	-	-	2250	46	IS 3025 (Part 14): 2023
Total Coliform	MPN /100ml	50	500	5000	-	-	210	APHA 23rd edition (9221-B): 2017
Fecal Coliform	MPN /100ml	-	-	-	-	-	21	APHA 23rd edition (9221-E): 2017
Oxygen (Dissolved)	mg/L	6	5	4	4	-	7.9	APHA 23rd edition (4500-O G): 2017
Biochemical Oxygen Demand @ 27° C for 3 days	mg/L	2	3	3	-	-	2.0	IS 3025 (Part 14): 2023
Chemical Oxygen Demand	mg/L	-	-	-	-	-	12	IS 3025 (Part 58): 2023
Iron as B	mg/L	-	-	-	-	2	BDL	APHA 23rd edition (4500-B B): 2017
Nitrate as N	mg/L	-	-	-	-	-	0.02	APHA 23rd edition (4500-N B): 2017
Ammonia as N	mg/L	-	-	-	-	-	BDL	IS 3025 (Part 34): 2023
Total Ammonia as N	mg/L	-	-	-	1.2	-	BDL	APHA 23rd edition (4500-N B): 2017
Turbidity	NTU	-	-	-	-	-	15	IS 3025 (Part 10): 2023
Total Hardness as CaCO ₃	mg/L	-	-	-	-	-	10	IS 3025 (Part 21): 2023

1892

Page 2 of 2

Date of receipt of Sample (dd/mm/yyyy)	Date	07/07/2026	Location	Type of Water Body	River
Source of Sample (eg. S)	River Netravathi LS of Dharmastharam temple		IS CODE COLLECTED IS		
Intake point			IS CODE		
Date of collection of sample	08/07/2026			Sample Report No. 194	
Date of completion of test	21/07/2026			Sample No. 296	
Collector	River Water				

Sl. No.	Parameters	Unit	Water Quality Criteria					Result	Test Method
			A	B	C	D	E		
1	Calcium as Ca^{++}	mg/L	-	-	-	-	-	6	IS 3025 (Part 46): 2024
2	Magnesium as CaCO_3	mg/L	-	-	-	-	-	4	IS 3025 (Part 46): 2024
3	Chloride as Cl	mg/L	-	-	-	-	-	8	IS 3025 (Part 32): 2024
4	Sodium as Na	mg/L	-	-	-	-	-	5.0	IS 3025 (Part 45): 2024
5	Potassium as K	mg/L	-	-	-	-	-	1.0	IS 3025 (Part 45): 2024
6	Sulphate as SO_4	mg/L	-	-	-	-	-	1.0	IS 3025 (Part 45): 2024
7	pH Alkalinity	mg/L	-	-	-	-	-	1.0	IS 3025 (Part 21): 2022
8	Total Alkalinity as CaCO_3	mg/L	-	-	-	-	-	BDL	IS 3025 (Part 25): 2023
9	Bicarbonate (HCO_3)	mg/L	-	-	-	-	-	12	
10	Carbonate (CO_3)	mg/L	-	-	-	-	-	12	
11	Total Dissolved Solids	mg/L	-	-	-	-	-	BDL	IS 3025 (Part 16): 2023
12	Total Phosphate as P	mg/L	-	-	-	-	-	30	
13	Fluoride as F	mg/L	-	-	-	-	-	BDL	
14	Total Kjeldahl Nitrogen	mg/L	-	-	-	-	-	0.2	IS 3025 (Part 60): 2024
15	Total Suspended Solids	mg/L	-	-	-	-	-	BDL	IS 3025 (Part 31): 2023
16	Percent Sodium	%	-	-	-	-	-	23	IS 3025 (Part 17): 2022
17	Sodium Absorption Ratio	-	-	-	-	-	-	40.1	By Calculation
18	Calcium as Ca	mg/L	-	-	-	-	-	0.69	IS 11624: 2023
19	Magnesium as Mg	mg/L	-	-	-	-	-	2.4	IS 3025 (Part 40): 2024
20	Nitrite	mg/L	-	-	-	-	-	0.97	IS 3025 (Part 46): 2023
INFERENCE								BDL	APHA 23rd edition 1500-NO2-D: 2017
		Class "B" - to prescribed standards with respect to Total Coliform, as per Primary Water Quality Criteria - CPCB							
		Designated best use - On door bathing organized							

- The above results pertain only to the sample tested.
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 Samples will be stored for a period of 10 days from the date of issue of report.
 BDL: Below Detection Level in mg/L.

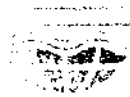
Lab. Assistant
 Approved by

Lab. Assistant
 Verified by

Authorised Signatory
 (Ravi S Gali)

137

UB24-2408470



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**KARNATAKA STATE POLLUTION CONTROL BOARD
REGIONAL LABORATORY**
ISO 9001:2015 and ISO 45001:2018 CERTIFIED LABORATORY

ಇ. ರಾ. ಮು. ಸಮಿತಿ, ಮಂಗಳೂರು
ಕೆ.ಎಸ್.ಪಿ.ಸಿ.ಬಿ. ಸಂ.23&24,
ಇಸಿ ಹಾಸ್ಟಲ್ ಸಮೀಪ
ಕೈಂಕಾಪಡಿ ಪ್ರದೇಶ, ಮಂಗಳೂರು
ಪಿನ್-575011

Date :

Station code	1894				Page 1 of 2	
Date & time of Sample taken	Date	07.07.2026	Time	13:50	Type of Water Body	River water
Name of Monitoring Station	River Kumaradhara U/s of Uppinangady Town before confluence with Netravathi river.				SAMPLE COLLECTED BY: F.O. KSPCB RO:MANGALURI	
Temperature	27°C					
Visible Effluent Discharge in Proximity	None ✓	Moderate	High	Other	Completed by	Scientific Assistant
Weather	Cloudy	Clear	Windy	Raining ✓	Verified by:	Assistant Scientific Officer
Depth of water body (meter)	< 50 cm	50-100cm	>100 cm ✓	Flood	AGENCY:	KARNATAKA
Human Activities	Cattle Wading	Melon Farming	Fishing	Other None ✓	Date of commencement of test:	08.07.2026
Colour	Clear	Turbid	Green	Brownish Muddy Colour ✓	Date of completion of test	31.07.2026
Odour	None ✓	Fishy	HTS	Other	Sample Report No.	195
Particulars of sample collected	River water				Sample No.	297

Parameters	Unit	Water Quality Criteria					Result	Test Method
		A	B	C	D	E		
pH	-	6.5-8.5	6.5-8.5	6.0-9.0	6.5-8.5	6.0-8.5	7.4	IS 3025 (Part 11):2022
Conductivity	µS/cm	-	-	-	-	2250	48	IS 3025 (Part 14): 2023
Total Coliform	MPN /100ml	50	500	5000	-	-	220	APHA 23rd edition (9221 B): 2017
Fecal Coliform	MPN /100ml	-	-	-	-	-	24	APHA 23rd edition (9221 E): 2017
Oxygen (Dissolved)	mg/L	6	5	4	4	-	8.1	APHA 23rd edition 4500-O G): 2017
Biochemical Oxygen Demand @ 27° C for 3 days	mg/L	2	3	3	-	-	2.2	IS 3025 (Part 44): 2023
Chemical Oxygen Demand	mg/L	-	-	-	-	-	12	IS 3025 (Part 58): 2023
Boron as B	mg/l	-	-	-	-	2	BDL	APHA 23rd edition (4500-B B): 2017
Nitrate as N	mg/L	-	-	-	-	-	0.018	APHA 23rd edition 4500-NO3-B: 2017
Ammonia as N	mg/L	-	-	-	-	-	BDL	IS 3025 (Part 34): 2023
Free Ammonia as N	mg/L	-	-	-	1.2	-	BDL	APHA 23rd edition 4500-NH3-D: 2017
Turbidity	NTU	-	-	-	-	-	13	IS 3025 (Part 10): 2023
Total Hardness as CaCO ₃	mg/L	-	-	-	-	-	12	IS 3025 (Part 21): 2023

Sl. No.	1894	Page 2 of 2
Date of Sample taken	08.07.2026	Water Body
Location of Sample	River Kinnaradhara (East of Uppinangady Town) before confluence with Nerrachoddy river	Region
Sampled by		SAMPLE COLLECTED BY R. S. G. SPCB RO. MANGALURU
Date of analysis/issue of report	08.07.2026	Sample Report No. 195
Date of receipt of sample	21.07.2026	Sample No. 397
Particulars of sample collected	River Water	

Sl. No.	Parameters	Unit	Water Quality Criteria					Result	Test Method
			A	B	C	D	E		
1	Chlorine as Cl_2	mg/l	-	-	-	-	-	8	IS 3025 (Part 40), 2023
2	Ammonium as CaCO_3	mg/l	-	-	-	-	-	4	IS 3025 (Part 46), 2023
3	Chloride as Cl^-	mg/L	-	-	-	-	-	8	IS 3025 (Part 32), 2023
4	Sodium as Na	mg/L	-	-	-	-	-	4.0	IS 3025 (Part 45), 2023
5	Potassium as K	mg/L	-	-	-	-	-	1.0	IS 3025 (Part 15), 2023
6	Sulphate as SO_4	mg/L	-	-	-	-	-	1.0	IS 3025 (Part 24), 2022
7	pH Alkalinity	mg/L	-	-	-	-	-	BDL	IS 3025 (Part 23), 2023
8	Free Alkalinity as CaCO_3	mg/L	-	-	-	-	-	12	
9	Bicarbonate (HCO_3)	mg/L	-	-	-	-	-	12	
10	Carbonate (CO_3)	mg/L	-	-	-	-	-	BDL	
11	Total Dissolved Solids	mg/L	-	-	-	-	-	32	IS 3025 (Part 16), 2023
12	Total Phosphate as P	mg/L	-	-	-	-	-	BDL	IS 3025 (Part 31) Sec. 1, 2022
13	Fluoride as F	mg/L	-	-	-	-	-	0.2	IS 3025 (Part 60), 2023
14	Total Kjeldahl Nitrogen	mg/L	-	-	-	-	-	BDL	IS 3025 (Part 34), 2023
15	Total Suspended Solids	mg/L	-	-	-	-	-	12	IS 3025 (Part 13), 2022
16	Percent Sodium	%	-	-	-	-	-	39.6	By Calculation
17	Sodium Absorption Ratio	-	-	-	-	-	-	0.5	IS 11624, 2023
18	Calcium as Ca	mg/L	-	-	-	-	-	1.2	IS 3025 (Part 40), 2024
19	Magnesium as Mg	mg/L	-	-	-	-	-	0.97	IS 3025 (Part 46), 2023
20	Nitrite	mg/L	-	-	-	-	-	BDL	APHA 23rd edition 4500-NO2-D, 2017

Class "B" - to prescribed standards with respect to Total Coliform, as per Primary Water Quality Criteria - CPCB

Designated best use - On door bathing organized

INFERENCE

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 - Samples will be stored for a period of 10 days from the date of issue of report.
 - BDL: Below Detection Level in mg/L.

Scientific Assistant
Analysed By

Assistant Scientific Officer
Verified By

Authorised signatory
(Ravi S Gali)



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 Industrial Area,
 Bykampady,
 Mangaluru-575011

KARNATAKA STATE POLLUTION CONTROL BOARD
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ಇ ಕಾ ಮಾ ನಿ ಮಂ. "ವರಂಗು
 ಭವನ", ನಂ.23&24,
 ಇಂಡಸ್ಟ್ರಿಯಲ್ ಹೆಕ್ಟರ್
 ಬೈಕಾಂಪಡ್ ಪ್ರದೇಶ, ಬೈಕಾಂಪಡ್
 ಮಂಗಳೂರು-575011

Date : 0

1	Station code	3562	Page 1 of 2				
2	Date & time of Sample taken	Date	07.07.2026	Time	10:50	Type of Water Body	River water
3	Name of Monitoring Station	River Netravathi (Thumbay water supply station to Mangaluru city)				SAMPLE COLLECTED BY : E.O. KSPCB	
4	Temperature	27°C				RO:MANGALURU	
5	Visible Effluent Discharge in Proximity	None ✓	Moderate	High	Other	Completed by	Scientific Assistant
6	Weather	Cloudy	Clear	Windy	Raining ✓	Verified by:	Assitant Scientific Officer
7	Depth of water body (meter)	< 50 cm	50-100cm	>100 cm ✓	Flood	AGENCY:	KARNATAKA
8	Human Activities	Cattle Wading	Melon Farming	Fishing	Other None ✓	Date of commencement of test	08.07.2026
9	Colour	Clear	Turbid	Green	Brownish Muddy Colour ✓	Date of completion of test	31.07.2026
10	Odour	None ✓	Fishy	H2S	Other	Sample Report No.	196
11	Particulars of sample collected	River water				Sample No.	298

Sl. No	Parameters	Unit	Water Quality Criteria					Result	Test Method
			A	B	C	D	E		
1	pH	-	6.5-8.5	6.5-8.5	6.0-9.0	6.5-8.5	6.0-8.5	7.9	IS 3025 (Part 11):2022
2	Conductivity	µS/cm	-	-	-	-	2250	54	IS 3025 (Part 14): 2023
3	Total Coliform	MPN /100ml	50	500	5000	-	-	210	APHA 23rd edition (9221 B): 2017
4	Fecal Coliform	MPN /100ml	-	-	-	-	-	20	APHA 23rd edition (9221 E): 2017
5	Oxygen (Dissolved)	mg/L	6	5	4	4	-	7.7	APHA 23rd edition 4500-O G): 2017
6	Biochemical Oxygen Demand @ 27° C for 3 days	mg/L	2	3	3	-	-	2.1	IS 3025 (Part 44): 2023
7	Chemical Oxygen Demand	mg/L	-	-	-	-	-	12	IS 3025 (Part 58): 2023
8	Boron as B	mg/L	-	-	-	-	2	BDL	APHA 23rd edition (4500-B B): 2017
9	Nitrate as N	mg/L	-	-	-	-	-	0.027	APHA 23rd edition 4500-NO3-B: 2017
10	Ammonia as N	mg/L	-	-	-	-	-	BDL	IS 3025 (Part 34): 2023
11	Free Ammonia as N	mg/L	-	-	-	1.2	-	BDL	APHA 23rd edition 4500-NH3-D: 2017
12	Turbidity	NTU	-	-	-	-	-	14	IS 3025 (Part 10): 2023
13	Total Hardness as CaCO ₃	mg/L	-	-	-	-	-	14	IS 3025 (Part 21): 2023

1	Station code	3562	Page 2 of 2
2	Date & time of sample taken	Date: 07.07.2026	Type of Water Body: River
3	Monitoring Station	River Netrayathi (Thumhaya water supply station to Mangaluru city)	SAMPLE COLLECTED BY: E.O. KSPCB RO-MANGALURU
4	Date of commencement of test	08.07.2026	Sample Report No.: 196
5	Date of completion of test	30.07.2026	Sample No.: 298
6	Particulars of sample collected	River Water	

Sl. No	Parameters	Unit	Water Quality Criteria					Result	Test Method
			A	B	C	D	E		
14	Calcium as CaCO ₃	mg/L	-	-	-	-	-	9	IS 3025 (Part 40): 2024
15	Magnesium as CaCO ₃	mg/L	-	-	-	-	-	5	IS 3025 (Part 46): 2024
16	Chloride as Cl ⁻	mg/L	-	-	-	-	-	8	IS 3025 (Part 32): 2024
17	Sodium as Na	mg/L	-	-	-	-	-	5.0	IS 3025 (Part 45): 2024
18	Potassium as K	mg/L	-	-	-	-	-	1.0	IS 3025 (Part 45): 2024
19	Sulphate as SO ₄	mg/L	-	-	-	-	-	1.5	IS 3025 (Part 24): 2022
20	P- Alkalinity	mg/L	-	-	-	-	-	BDL	IS 3025 (Part 23): 2024
21	Total Alkalinity as CaCO ₃	mg/L	-	-	-	-	-	16	
22	Bicarbonate (HCO ₃ ⁻)	mg/L	-	-	-	-	-	16	
23	Carbonate (CO ₃ ²⁻)	mg/L	-	-	-	-	-	BDL	
24	Total Dissolved Solids	mg/L	-	-	-	-	-	34	IS 3025 (Part 16): 2024
25	Total Phosphate as P	mg/L	-	-	-	-	-	BDL	IS 3025 (Part 31 Sec 1): 2022
26	Fluoride as F	mg/L	-	-	-	-	-	0.2	IS 3025 (Part 60): 2024
27	Total Kjeldhal Nitrogen	mg/L	-	-	-	-	-	BDL	IS 3025 (Part 34): 2023
28	Total Suspended Solids	mg/L	-	-	-	-	-	22	IS 3025 (Part 17): 2022
29	Percent Sodium	%	-	-	-	-	-	41.7	By Calculation
30	Sodium Absorption Ratio	-	-	-	-	-	-	0.58	IS 11624: 2023
31	Calcium as Ca	mg/L	-	-	-	-	-	3.6	IS 3025 (Part 40): 2024
32	Magnesium as Mg	mg/L	-	-	-	-	-	1.2	IS 3025 (Part 46): 2023
33	Nitrite	mg/L	-	-	-	-	-	BDL	APHA 23rd edition 4500-NO2-10: 2017
INFERENCE		Class " B " - to prescribed standards with respect to Total Coliform , as per Primary Water Quality Criteria - CPCB.							
		Designated best use - Out door bathing organized							

- Note: 1. The above results pertain only to the sample tested.
2. The report shall not be reproduced without the written approval of the laboratory.
3. Samples will be stored for a period of 10 days from the date of issue of report.
1. BDL : Below Detection Level in mg/L.

Scientific Assistant
Analysed By

Assistant Scientific Officer
Verified By

Authorised signatory
(Ravi S Gali)
Scientific Officer

KSPCB Pajara Bhavan,
No.23 & 24 4th cross
Near ESI Hospital
Industrial Area,
Bykampady,
Mangaluru 575011



**KARNATAKA STATE POLLUTION CONTROL BOARD
REGIONAL LABORATORY**

ISO 9001:2015 and ISO 45001:2018 CERTIFIED LABORATORY

ಕೆ.ಆರ್.ಮಂ.ನಿವಾರಿ, "ಪರಮ"
ಭವನ, ಸಂ.23&24,
"ಇಂಡಸ್ಟ್ರಿಯಲ್ ಆರಿಯಾ"
ಶೃಂಗವರಿ ಪ್ರದೇಶ, ಬೈಕಾಂಪಡಿ,
ಮಂಗಳೂರು 575011

Date : 0

1	Station code	3563				Page 1 of 2	
2	Date & time of Sample taken	Date	07.07.2026		Time	14:20	
						Type of Water Body	River water
3	Name of Monitoring Station	River Netravathi U/s of Uppinangady Town before confluence with Kumaradhara River				SAMPLE COLLECTED BY : E.O. KSPCB	
4	Temperature	27°C				RO:MANGALURU	
5	Visible Effluent Discharge in Proximity	None ✓	Moderate	High	Other	Completed by	Scientific Assistant
6	Weather	Cloudy	Clear	Windy	Raining ✓	Verified by	Assistant Scientific Officer
7	Depth of water body (meter)	< 50 cm	50-100cm	>100 cm ✓	Flood	AGENCY:	KARNATAKA
8	Human Activities	Cattle Wading	Melon Farming	Human Bathing	Other None ✓	Date of commencement of test	08.07.2026
9	Colour	Clear	Turbid	Green	Brownish Muddy Colour ✓	Date of completion of test	31.07.2026
10	Odour	None ✓	Fishy	H2S	Other	Sample Report No.	197
11	Particulars of sample collected	River water				Sample No.	299

Sl. No	Parameters	Unit	Water Quality Criteria					Result	Test Method
			A	B	C	D	E		
1	pH	-	6.5-8.5	6.5-8.5	6.0-9.0	6.5-8.5	6.0-8.5	8.1	IS 3025 (Part 11): 2022
2	Conductivity	µS/cm	-	-	-	-	2250	50	IS 3025 (Part 14): 2023
3	Total Coliform	MPN /100ml	50	500	5000	-	-	240	APHA 23rd edition (9221 B): 2017
4	Fecal Coliform	MPN /100ml	-	-	-	-	-	25	APHA 23rd edition (9221 E): 2017
5	Oxygen (Dissolved)	mg/L	6	5	4	4	-	7.8	APHA 23rd edition 4500-O (G): 2017
6	Biochemical Oxygen Demand @ 27° C for 3 days	mg/L	2	3	3	-	-	2.3	IS 3025 (Part 14): 2023
7	Chemical Oxygen Demand	mg/L	-	-	-	-	-	13	IS 3025 (Part 58): 2023
8	Boron as B	mg/L	-	-	-	-	2	BDL	APHA 23rd edition (4500-B B): 2017
9	Nitrate as N	mg/L	-	-	-	-	-	0.025	APHA 23rd edition 4500-NO3-B: 2017
10	Ammonia as N	mg/L	-	-	-	-	-	BDL	IS 3025 (Part 34): 2023
11	Free Ammonia as N	mg/L	-	-	-	1.2	-	BDL	APHA 23rd edition 4500-NH3-D: 2017
12	Turbidity	NTU	-	-	-	-	-	13	IS 3025 (Part 10): 2023
13	Total Hardness as CaCO ₃	mg/L	-	-	-	-	-	12	IS 3025 (Part 21): 2023

1. Date & Time of Sample Collection	Date: 26/05/2023	Time: 10:30 AM	2. Type of Water Body	River
3. Name of Monitoring Station	River Netravathi Dis of Uppinangadi Town before confluence with Kinnaradhara River		SAMPLE COLLECTED BY E.O. KSPCB RO-MANGALURU	
4. Date of collection of sample	26/05/2023		Sample Report No. 197	
5. Date of collection of test	26/05/2023		Sample No. 299	
6. Particulars of sample collected	River Water			

Sl. No.	Parameters	Unit	Water Quality Criteria					Result	Test Method
			A	B	C	D	E		
1	Calcium as CaCO ₃	mg/L	-	-	-	-	-	8	IS 3025 (Part 40): 2011
2	Magnesium as CaCO ₃	mg/L	-	-	-	-	-	4	IS 3025 (Part 26): 2011
10	Chloride as Cl	mg/L	-	-	-	-	-	8	IS 3025 (Part 32): 2011
11	Sodium as Na	mg/L	-	-	-	-	-	5.0	IS 3025 (Part 45): 2011
18	Potassium as K	mg/L	-	-	-	-	-	1.0	IS 3025 (Part 45): 2011
19	Sulphate as SO ₄	mg/L	-	-	-	-	-	120	IS 3025 (Part 24): 2011
20	pH Alkalinity	mg/L	-	-	-	-	-	BDL	IS 3025 (Part 23): 2011
21	Total Alkalinity as CaCO ₃	mg/L	-	-	-	-	-	14	
22	Bicarbonate (HCO ₃)	mg/L	-	-	-	-	-	14	
23	Carbonate (CO ₃)	mg/L	-	-	-	-	-	BDL	
24	Total Dissolved Solids	mg/L	-	-	-	-	-	32	IS 3025 (Part 16): 2011
25	Total Phosphate as P	mg/L	-	-	-	-	-	BDL	IS 3025 (Part 31/Sec 1): 2011
26	Fluoride as F	mg/L	-	-	-	-	-	0.2	IS 3025 (Part 60): 2011
27	Total Kjeldhal Nitrogen	mg/L	-	-	-	-	-	BDL	IS 3025 (Part 34): 2011
28	Total Suspended Solids	mg/L	-	-	-	-	-	20	IS 3025 (Part 17): 2011
30	Percent Sodium	%	-	-	-	-	-	45.1	By Calculation
40	Sodium Absorption Ratio	-	-	-	-	-	-	0.63	IS 11671: 2023
1	Calcium as Ca	mg/L	-	-	-	-	-	5.2	IS 3025 (Part 40): 2011
2	Magnesium as Mg	mg/L	-	-	-	-	-	0.97	IS 3025 (Part 46): 2011
3	Nitrate	mg/L	-	-	-	-	-	BDL	APHA 23rd edition 4500-NO2-D: 2017

INFERENCE

Class " B " - to prescribed standards with respect to Total Coliform , as per Primary Water Quality Criteria - CPCB
Designated best use - On door bathing organized.

- Notes: 1. The above results pertain only to the sample tested
2. The report shall not be reproduced without the written approval of the laboratory.
3. Samples will be stored for a period of 10 days from the date of issue of report.
4. BDL: Below Detection Level in mg/L.

Scientific Assistant
Analyzed By

Assistant Scientific Officer
Verified By

Authorised signatory
(Ravi S Gali)
Scientific Officer

-----End of Report-----

KSPCB Regional Laboratory
No.23 & 24 4th cross
Near ESI Hospital
Industrial Area,
Bykampady
Mangaluru-575011

**KARNATAKA STATE POLLUTION CONTROL BOARD
REGIONAL LABORATORY**

ISO 9001:2015 and ISO 45001:2018 CERTIFIED LABORATORY

ಕರ್ನಾಟಕ ಸಾರ್ವಜನಿಕ
ಸಂಸ್ಥೆ, 2023-24
ಪರಿಸರ ಅಭಿವೃದ್ಧಿ
ಶೃಂಗೇರಿ ಪ್ರದೇಶ, ಬೈಕಾಪಡಿ
ಮಂಗಳೂರು - 575011

Date: 06.06.2026

1	Station code	1892				Page 1 of 2	
2	Date & time of Sample taken	Date	08.06.2026	Time	14:50	Type of Water Body	River water
3	Name of Monitoring Station	River Netravathi U/S of Dharmastala water supply intake point.				SAMPLE COLLECTED BY : E.O. KSPCB RO:MANGALURU	
4	Temperature	28°C				Completed by	
5	Visible Effluent Discharge in Proximity	None ✓	Moderate	High	Other	Scientific Assistant	
6	Weather	Cloudy	Clear	Windy	Raining ✓	Verified by:	Assistant Scientific Officer
7	Depth of water body (meter)	< 50 cm	50-100cm	100 cms	Flood	AGENCY:	KARNATAKA
8	Human Activities	Cattle Wading	Melon Farming	Fishing	Other None ✓	Date of commencement of test	09.06.2026
9	Colour	Clear	Turbid	Green	Brownish like Muddy Colour ✓	Date of completion of test	24.06.2026
10	Odour	None ✓	Fishy	HTS	Other	Sample Report No.	181
11	Particulars of sample collected	River water				Sample No.	194

Sl. No	Parameters	Unit	Water Quality Criteria					Result	Test Method
			A	B	C	D	E		
1	pH	-	6.5-8.5	6.5-8.5	6.0-9.0	6.5-8.5	6.0-8.5	7.9	IS 3025 (Part 11): 2022
2	Conductivity	µS/cm	-	-	-	-	2250	61	IS 3025 (Part 14): 2023
3	Total Coliform	MPN /100ml	50	500	5000	-	-	920	APHA 23rd edition (9221 B): 2017
4	Fecal Coliform	MPN /100ml	-	-	-	-	-	120	APHA 23rd edition (9221 C): 2017
5	Oxygen (Dissolved)	mg/L	6	5	4	4	-	7.3	APHA 23rd edition (4500-O G): 2017
6	Biochemical Oxygen Demand @ 27° C for 3 days	mg/l	2	3	3	-	-	2.3	IS 3025 (Part 44): 2023
7	Chemical Oxygen Demand	mg/L	-	-	-	-	-	13	IS 3025 (Part 58): 2023
8	Boron as B	mg/L	-	-	-	-	2	BDL	APHA 23rd edition (4500-B B): 2017
9	Nitrate as N	mg/L	-	-	-	-	-	0.03	APHA 23rd edition 4500-NO3-B: 2017
10	Ammonia as N	mg/L	-	-	-	-	-	BDL	IS 3025 (Part 34): 2023
11	Free Ammonia as N	mg/L	-	-	-	1.2	-	BDL	APHA 23rd edition 4500-NH3-D: 2017
12	Turbidity	NTU	-	-	-	-	-	12	IS 3025 (Part 10): 2023
13	Total Hardness as CaCO ₃	mg/L	-	-	-	-	-	14	IS 3025 (Part 21): 2023

1. Sample code	1892	2. Date	09/06/2026	3. Name of Water Body	River
4. Name of Sample Location	Date	08/06/2026	Time	11:30 AM	
5. Monitoring Station	River Netravathi (Source of Dharmastala water supply intake point)				REVIEWED & APPROVED BY Officer, KSPCB RO, MANGALURU
6. Date of commencement of test	09/06/2026				Sample Report No. 181
7. Date of completion of test	24/06/2026				Sample No. 194
8. Particulars of sample collected	River Water				

Sl. No.	Parameters	Unit	Water Quality Criteria					Result	Test Method
			A	B	C	D	E		
1.	Calcium as CaCO ₃	mg/l	-	-	-	-	-	6	IS 3025 (Part 40): 2023
2.	Magnesium as CaCO ₃	mg/L	-	-	-	-	-	5	IS 3025 (Part 40): 2023
3.	Chloride as Cl ⁻	mg/L	-	-	-	-	-	8	IS 3025 (Part 32): 2023
4.	Sodium as Na	mg/L	-	-	-	-	-	6.0	IS 3025 (Part 45): 2023
5.	Potassium as K	mg/L	-	-	-	-	-	1.0	IS 3025 (Part 35): 2023
6.	Sulphate as SO ₄	mg/L	-	-	-	-	-	2.0	IS 3025 (Part 24): 2022
7.	pH Alkalinity	mg/L	-	-	-	-	-	BDL	IS 3025 (Part 23): 2023
8.	Total Alkalinity as CaCO ₃	mg/L	-	-	-	-	-	18	
9.	Bicarbonate (HCO ₃ ⁻)	mg/L	-	-	-	-	-	18	
10.	Carbonate (CO ₃ ⁻)	mg/L	-	-	-	-	-	BDL	IS 3025 (Part 16): 2023
11.	Total Dissolved Solids	mg/l	-	-	-	-	-	40	
12.	Total Phosphate as P	mg/l	-	-	-	-	-	BDL	IS 3025 (Part 51) Sec. 7: 2023
13.	Fluoride as F ⁻	mg/L	-	-	-	-	-	0.2	IS 3025 (Part 60): 2023
14.	Total Kjeldahl Nitrogen	mg/L	-	-	-	-	-	BDL	IS 3025 (Part 34): 2023
15.	Total Suspended Solids	mg/L	-	-	-	-	-	20	IS 3025 (Part 17): 2022
16.	Percent Sodium	%	-	-	-	-	-	46.2	By Calculation
17.	Sodium Absorption Ratio	-	-	-	-	-	-	0.7	IS 11624: 2023
18.	Calcium as Ca	mg/L	-	-	-	-	-	3.6	IS 3025 (Part 40): 2023
19.	Magnesium as Mg	mg/L	-	-	-	-	-	1.4	IS 3025 (Part 46): 2023
20.	Nitrite	mg/L	-	-	-	-	-	BDL	APHA 23rd edition 4500-NO ₂ -D: 2017
INFERENCE		Class "C" - to prescribed standards with respect to Total Coliform, as per Primary Water Quality Criteria - CPCB.							
		Designated best use - Drinking water source with conventional treatment followed by disinfection							

Note: 1. The above results pertain only to the sample tested.

2. The report shall not be reproduced without the written approval of the laboratory.

3. Samples will be stored for a period of 10 days from the date of issue of report.

4. BDL: Below Detection Level in mg/l.

Scientific Assistant
Analysed By

Assistant Scientific Officer
Verified By

Authorised signatory

KSPCB Bannur Block,
No 73 (24 4th cross)
Near ESI Hospital
Industrial Area,
Bykampady,
Mangaluru 575011

**KARNATAKA STATE POLLUTION CONTROL BOARD
REGIONAL LABORATORY
ISO 9001:2015 and ISO 45001:2018 CERTIFIED LABORATORY**

ಕೆ.ಎಸ್.ಪಿ.ಸಿ.ಬಿ.ಎಂ. "ಪರಿಸರ
ಭವನ", ಸಂ.23&24,
ಪರಿಸರ: ಉದ್ಯಮ ನಗರ
ಕೈರಾಪಾಡು ಪ್ರದೇಶ, ಬೈಕಾಪಾಡಿ,
ಮಂಗಳೂರು -575011

Date : 06/06/2026

1	Station code	1894				Page 1 of 2	
2	Date & time of Sample taken	Date	08.06.2026	Time	12:20	Type of Water Body	River water
3	Name of Monitoring Station	River Kumaradhara U/s of Uppinangady Town before confluence with Netravathi river.				SAMPLE COLLECTED BY : F.O. KSPCB RO:MANGALURI	
4	Temperature	29°C					
5	Visible Effluent Discharge in Proximity	None ✓	Moderate	High	Other	Completed by	Scientific Assistant
6	Weather	Cloudy	Clear	Windy	Raining ✓	Verified by:	Assistant Scientific Officer
7	Depth of water body (meter)	< 50 cm	50-100cm	> 100 cm	Flood	AGENCY	KARNATAKA
8	Human Activities	Cattle Wading	Melon Farming	Fishing	Other None ✓	Date of commencement of test:	09.06.2026
9	Colour	Clear ✓	Turbid	Green	Brownish Light Muddy Colour	Date of completion of test	24.06.2026
10	Odour	None ✓	Fishy	H ₂ S	Other	Sample Report No.	182
11	Particulars of sample collected	River water				Sample No.	195

Parameters	Unit	Water Quality Criteria					Result	Test Method
		A	B	C	D	E		
pH	-	6.5-8.5	6.5-8.5	6.0-9.0	6.5-8.5	6.0-8.5	8.2	IS 3025 (Part 11): 2022
Conductivity	µS/cm	-	-	-	-	2250	72	IS 3025 (Part 14): 2023
Total Coliform	MPN/100ml	50	500	5000	-	-	920	APHA 23rd edition (9221-B): 2017
Fecal Coliform	MPN/100ml	-	-	-	-	-	110	APHA 23rd edition (9221-C): 2017
Oxygen (Dissolved)	mg/L	6	5	4	4	-	7.8	APHA 23rd edition (4500-O G): 2017
Biochemical Oxygen Demand @ 27° C for 3 days	mg/L	2	3	3	-	-	2.1	IS 3025 (Part 44): 2023
Chemical Oxygen Demand	mg/L	-	-	-	-	-	12	IS 3025 (Part 58): 2023
Boron as B	mg/L	-	-	-	-	2	BDL	APHA 23rd edition (4500-B (B)): 2017
Nitrate as N	mg/L	-	-	-	-	-	0.036	APHA 23rd edition 4500-NO3-B: 2017
Ammonia as N	mg/L	-	-	-	-	-	BDL	IS 3025 (Part 74): 2023
Free Ammonia as N	mg/L	-	-	-	1.2	-	BDL	APHA 23rd edition 4500-NH3-D: 2017
Turbidity	NTU	-	-	-	-	-	9	IS 3025 (Part 10): 2023
Total Hardness as CaCO ₃	mg/L	-	-	-	-	-	20	IS 3025 (Part 21): 2023

1894

Page 3 of 3

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KSPCB Pansala Bhavan
No.23 & 24 4th cross
Near ESI Hospital
Industrial Area,
Bykampady,
Mangaluru 575011**KARNATAKA STATE POLLUTION CONTROL BOARD
REGIONAL LABORATORY**
ISO 9001:2015 and ISO 45001:2018 CERTIFIED LABORATORYಕೆ.ಆರ್.ಮಾವಡಿಮುಕ್ಕ, "ಪಂಸಲಾ
ಭವನ", ಸಂ.23&24,
ಇಸಿಹಾಸಿ ಆಸ್ಪತ್ರೆ
ಪಕ್ಕಾಡು ಪ್ರದೇಶ, ಬೈಕಾಂಪಡು
ಮಂಗಳೂರು 575011

Date: 08.06.2026

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1	Station code	3562				Page 1 of 2	
2	Date & Time of Sample taken	Date	08.06.2026	Time	16:55	Type of Water Body	River water
3	Name of Monitoring Station	River Netravathi (Thumbay water supply station to Mangaluru city)				SAMPLE COLLECTED BY : E.O. KSPCB RO:MANGALURU	
4	Temperature	29 C					
5	Visible Effluent Discharge in Proximity	None ✓	Moderate	High	Other	Completed by	Scientific Assistant
6	Weather	Cloudy	Clear	Windy	Rainy ✓	Verified by:	Assitant Scientific Officer
7	Depth of water body (meter)	< 50 cm	50-100cm	>100 cm	Flood	AGENCY:	KARNATAKA
8	Human Activities	Cattle Wading	Melon Farming	Fishing	Other None ✓	Date of commencement of test	09.06.2026
9	Colour	Clear ✓	Turbid	Green	Brownish Muddy Colour	Date of completion of test	24.06.2026
10	Odour	None ✓	Fishy	H ₂ S	Other	Sample Report No.	183
11	Particulars of sample collected	River water				Sample No.	196

Parameters	Unit	Water Quality Criteria					Result	Test Method
		A	B	C	D	E		
pH	-	6.5-8.5	6.5-8.5	6.0-9.0	6.5-8.5	6.0-8.5	8.2	IS 3025 (Part 11): 2022
Conductivity	µS/cm	-	-	-	-	2250	73	IS 3025 (Part 14): 2023
Total Coliform	MPN/100ml	50	500	5000	-	-	540	APHA 23rd edition (9221 B): 2017
Fecal Coliform	MPN/100ml	-	-	-	-	-	79	APHA 23rd edition (9221 E): 2017
Oxygen (Dissolved)	mg/L	6	5	4	4	-	7.6	APHA 23rd edition 4500-O (G): 2017
Biochemical Oxygen Demand @ 27 °C for 3 days	mg/L	2	3	3	-	-	2.3	IS 3025 (Part 44): 2023
Chemical Oxygen Demand	mg/L	-	-	-	-	-	14	IS 3025 (Part 58): 2023
Boron as B	mg/L	-	-	-	-	2	BDL	APHA 23rd edition (4500-B B): 2017
Nitrate as N	mg/L	-	-	-	-	-	0.04	APHA 23rd edition 4500-NO3-B: 2017
Ammonia as N	mg/L	-	-	-	-	-	BDL	IS 3025 (Part 34): 2023
Free Ammonia as N	mg/L	-	-	-	1.2	-	BDL	APHA 23rd edition 4500-NH3-D: 2017
Turbidity	NTU	-	-	-	-	-	10	IS 3025 (Part 10): 2023
Total Hardness as CaCO ₃	mg/L	-	-	-	-	-	22	IS 3025 (Part 21): 2023

1. Name of Sample	Date	Time	Type of Water Body	River
2. Name of Monitoring Station	River Netravathi Laundry water supply station at Mangaluru city			SAMPLE COLLECTED AT
3. Date of commencement of test	09.06.2026			E.O. KSPCB RO: MANGALURU
4. Date of completion of test	24.06.2026			Sample Receipt No. 183
5. Name of sample	River Water			Sample No. 96
6. Name of sample	River Water			

Sl. No.	Parameters	Unit	Water Quality Criteria					Result	Test Method
			A	B	C	D	E		
1	Calcium as CaCO ₃	mg/L	-	-	-	-	-	5.1	IS 3025 (Part 45): 2014
15	Magnesium as CaCO ₃	mg/L	-	-	-	-	-	8	IS 3025 (Part 46): 2014
16	Chloride as Cl	mg/L	-	-	-	-	-	8	IS 3025 (Part 32): 2014
17	Sodium as Na	mg/L	-	-	-	-	-	5.0	IS 3025 (Part 45): 2014
18	Potassium as K	mg/L	-	-	-	-	-	1.0	IS 3025 (Part 45): 2014
19	Sulphate as SO ₄	mg/L	-	-	-	-	-	2.8	IS 3025 (Part 24): 2012
20	Total Alkalinity	mg/L	-	-	-	-	-	BDL	IS 3025 (Part 28): 2012
21	Total Alkalinity as CaCO ₃	mg/L	-	-	-	-	-	24	
22	Bicarbonate (HCO ₃)	mg/L	-	-	-	-	-	21	
23	Carbonate (CO ₃)	mg/L	-	-	-	-	-	BDL	
24	Total Dissolved Solids	mg/L	-	-	-	-	-	46	IS 3025 (Part 16): 2014
25	Total Phosphate as P	mg/L	-	-	-	-	-	BDL	IS 3025 (Part 51) See 1: 2012
26	Fluoride as F	mg/L	-	-	-	-	-	0.7	IS 3025 (Part 60): 2014
27	Total Kjeldahl Nitrogen	mg/L	-	-	-	-	-	BDL	IS 3025 (Part 34): 2014
28	Total Suspended Solids	mg/L	-	-	-	-	-	18	IS 3025 (Part 17): 2012
29	Percent Sodium	%	-	-	-	-	-	32	By Calculation
30	Sodium Absorption Ratio	-	-	-	-	-	-	0.36	IS 11624: 2023
31	Calcium as Ca	mg/L	-	-	-	-	-	5.6	IS 3025 (Part 40): 2014
32	Magnesium as Mg	mg/L	-	-	-	-	-	1.9	IS 3025 (Part 46): 2014
33	Nitrate	mg/L	-	-	-	-	-	BDL	APHA 23rd edition 4500-NO2-D: 2017
INFERENCE		Class "C" - to prescribed standards with respect to Total Coliform, as per Primary Water Quality Criteria - CPCB							
		Designated best use - Drinking water source with conventional treatment followed by disinfection							

Note: 1. The above results pertain only to the sample tested.

2. The report shall not be reproduced without the written approval of the laboratory.

3. Samples will be stored for a period of 10 days from the date of issue of report.

4. BDL : Below Detection Level in mg/L.

Scientific Assistant
Approved By

Assistant Scientific Officer
Verified By

Authorised signatory
(Ravi S Gati)
Scientific Officer

KSPCB Papanasabavara
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Mangaluru-575011**KARNATAKA STATE POLLUTION CONTROL BOARD
REGIONAL LABORATORY**

ISO 9001:2015 and ISO 45001:2018 CERTIFIED LABORATORY

ಕ.ಪಾ.ಮಾ.ನಿ.ಮಂ. "ವಿಠಲನರ
ಭವನ", ಸಂ.23&24,
ವಿಠಲನರ ಹತ್ತಿರ
ಶೈಕ್ಷಣಿಕ ಪ್ರದೇಶ, ಬೈಕಾಪಡಿ,
ಮಂಗಳೂರು -575011

Date : 0 0

Station code	3563				Page 1 of 2		
Date & time of Sample taken	Date	08.06.2026		Time	12:50	Type of Water Body	River water
Name of Monitoring Station	River Netravathi U/s of Uppinangady Town before confluence with Kumaradhara River					SAMPLE COLLECTED BY : F.O. KSPCB	
Temperature	28 °C					RO:MANGALURU	
Visible Effluent Discharge in Proximity	None ☒	Moderate	High	Other	Completed by	Scientific Assistant	
Weather	Cloudy	Clear	Windy	Raining ☒	Verified by:	Assistant Scientific Officer	
Depth of water body (meter)	< 50 cm	50-100cm	>100 cms	Flood	AGENCY:	KARNATAKA	
Human Activities	Cattle Wading	Melon Farming	Human Bathing	Other None ☒	Date of commencement of test	09.06.2026	
Colour	Clear ☒	Turbid	Green	Brownish Lite Muddy Colour	Date of completion of test	24.06.2026	
Odour	None ☒	Fishy	H2S	Other	Sample Report No.	184	
Particulars of sample collected	River water					Sample No.	197

Parameters	Unit	Water Quality Criteria					Result	Test Method
		A	B	C	D	E		
pH	-	6.5-8.5	6.5-8.5	6.0-9.0	6.5-8.5	6.0-8.5	8.1	IS 3025 (Part 11):2022
Conductivity	µS/cm	-	-	-	-	2250	64	IS 3025 (Part 14): 2023
Total Coliform	MPN /100ml	50	500	5000	-	-	920	APHA 23rd edition (9221 B): 2017
Fecal Coliform	MPN /100ml	-	-	-	-	-	110	APHA 23rd edition (9221 E): 2017
Oxygen (Dissolved)	mg/L	6	5	4	4	-	7.3	APHA 23rd edition 4500-O G): 2017
Biochemical Oxygen Demand @ 27° C for 3 days	mg/L	2	3	3	-	-	2.7	IS 3025 (Part 44): 2023
Chemical Oxygen Demand	mg/L	-	-	-	-	-	15	IS 3025 (Part 58): 2023
Boron as B	mg/L	-	-	-	-	2	BDL	APHA 23rd edition (4500-B B): 2017
Nitrate as N	mg/L	-	-	-	-	-	0.04	APHA 23rd edition 4500-NO3-B: 2017
Ammonia as N	mg/L	-	-	-	-	-	BDL	IS 3025 (Part 34): 2023
Free Ammonia as N	mg/L	-	-	-	1.2	-	BDL	APHA 23rd edition 4500-NH3-D: 2017
Turbidity	NTU	-	-	-	-	-	14	IS 3025 (Part 10): 2023
Total Hardness as CaCO ₃	mg/L	-	-	-	-	-	18	IS 3025 (Part 21): 2023

Location of Sampling Site	Date of Collection	Time of Collection	Water Body	Recd.
Location of Monitoring Station	River Netravathi Dis of Tippangady before confluence with Kannadabara River		SAMPLE COLLECTED BY I.O.KSPCB RO.MANGALURI	
Sample Collection Method	Grab		Sample Regd. No. 184	
Sample Collection Date	24.06.2019		Sample No. 197	
Vehicle No. & Sample Protection	River Water			

Sl. No.	Parameters	Unit	Water Quality Criteria					Result	Test Method
			A	B	C	D	E		
16	Calcium as CaCO ₃	mg/l	-	-	-	-	-	12	IS 3025 (Part 30): 2013
17	Magnesium as CaCO ₃	mg/l	-	-	-	-	-	6	IS 3025 (Part 46): 2013
18	Chloride as Cl ⁻	mg/l	-	-	-	-	-	8	IS 3025 (Part 32): 2013
19	Sodium as Na	mg/L	-	-	-	-	-	5.0	IS 3025 (Part 48): 2013
20	Potassium as K	mg/l	-	-	-	-	-	1.0	IS 3025 (Part 45): 2013
21	Sulphate as SO ₄	mg/l	-	-	-	-	-	2.50	IS 3025 (Part 24): 2012
22	pH & Alkalinity	mg/L	-	-	-	-	-	BID	IS 3025(Part 23): 2013
23	Total Alkalinity as CaCO ₃	mg/L	-	-	-	-	-	20	
24	Bicarbonate (HCO ₃)	mg/L	-	-	-	-	-	20	
25	Carbonate (CO ₃)	mg/L	-	-	-	-	-	BID	
26	Total Dissolved Solids	mg/L	-	-	-	-	-	42	IS 3025 (Part 16): 2013
27	Total Phosphate as P	mg/L	-	-	-	-	-	BID	IS 3025 (Part 31/Sec I): 2012
28	Total Dissolved	mg/L	-	-	-	-	-	0.2	IS 3025 (Part 60): 2013
29	Total Ammonia Nitrogen	mg/L	-	-	-	-	-	0.01	IS 3025 (Part 34): 2013
30	Total Suspended Solids	mg/L	-	-	-	-	-	22	IS 3025 (Part 17): 2012
31	Percent Secchi	%	-	-	-	-	-	25.9	Bv Calculation
32	Sodium Absorption Ratio	-	-	-	-	-	-	0.51	IS 11624: 2013
33	Calcium as Ca	mg/L	-	-	-	-	-	4.8	IS 3025(Part 40): 2014
34	Magnesium as Mg	mg/L	-	-	-	-	-	1.5	IS 3025 (Part 46): 2013
35	Nitrate	mg/l	-	-	-	-	-	BID	APHA 23rd edition 4500-NO2-D: 2017

INFERENCE

Class "C" to prescribed standards with respect to Total Coliform, as per Primary Water Quality Criteria - CPCB

Designated best use - Drinking water source with conventional treatment followed by disinfection

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^c BDL: Below Detection Level in mg/L.Scientific Assistant
Vollst. St. 145

Assistant Scientific Officer
Verified By

Authorized signatory

123

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**KARNATAKA STATE POLLUTION CONTROL BOARD
REGIONAL LABORATORY
ISO 9001:2015 and ISO 45001:2018 CERTIFIED LABORATORY**

ಕ.ರಾ.ಮಾ.ನಿ.ಮಂ. "ವಿವರಣೆ"
ಭವನ", ಎಂ.23&24,
ಇಂದ್ರನಿಲ ಅಸ್ಪತ್ರೆ ಹತ್ತಿರ
ಶೈಕ್ಷಣಿಕ ಪ್ರದೇಶ, ಬೈಕಾಂಪಡು
ಮಂಗಳೂರು -575011

Date: 11 JUN 2026

1	Station code	1892				Page 1 of 2	
2	Date & time of Sample taken	Date	05.05.2026	Time	15:15	Type of Water Body	River water
3	Name of Monitoring Station	River Netravathi U/s of Dharmastala water supply intake point.				SAMPLE COLLECTED BY : L.O.(A/c) KSPCB RO:MANGALURU	
4	Temperature	30°C					
5	Visible Effluent Discharge in Proximity	None ✓	Moderate	High	Other	Completed by	Scientific Assistant
6	Weather	Cloudy ✓	Clear	Windy	Raining	Verified by:	Assistant Scientific Officer
	Depth of water body (meter)	< 50 cm	50-100cm	>100 cm ✓	Flood	AGENCY:	KARNATAKA
8	Human Activities	Cattle Wading	Melon Farming	Fishing	Other None ✓	Date of commencement of test	06.05.2026
9	Colour	Clear ✓	Turbid	Green	Brownish Muddy Colour	Date of completion of test	30.05.2026
10	Odour	None ✓	Fishy	HTS	Other	Sample Report No.	25
11	Particulars of sample collected	River water				Sample No.	111

Sl. No	Parameters	Unit	Water Quality Criteria					Result	Test Method
			A	B	C	D	E		
1	pH	-	6.5-8.5	6.5-8.5	6.0-9.0	6.5-8.5	6.0-8.5	8.1	IS 3025 (Part 11): 2022
2	Conductivity	µS/cm	-	-	-	-	2250	75	IS 3025 (Part 14): 2023
3	Total Coliform	MPN /100ml	50	500	5000	-	-	920	APHA 23rd edition (9221 B): 2017
4	Fecal Coliform	MPN /100ml	-	-	-	-	-	110	APHA 23rd edition (9221 F): 2017
5	Oxygen (Dissolved)	mg/L	6	5	4	4	-	7.0	APHA 23rd edition 4500-O (G): 2017
6	Biochemical Oxygen Demand @ 27 °C for 3 days	mg/L	2	3	3	-	-	2.4	IS 3025 (Part 44): 2023
7	Chemical Oxygen Demand	mg/L	-	-	-	-	-	15	IS 3025 (Part 58): 2023
8	Boron as B	mg/L	-	-	-	-	2	BDL	APHA 23rd edition (4500-B B): 2017
9	Nitrate as N	mg/L	-	-	-	-	-	0.05	APHA 23rd edition 4500-NO3-B: 2017
10	Ammonia as N	mg/L	-	-	-	-	-	BDL	IS 3025 (Part 34): 2023
11	Free Ammonia as N	mg/L	-	-	-	1.2	-	(BDL)	APHA 23rd edition 4500-NH3-D: 2017
12	Turbidity	NTU	-	-	-	-	-	8	IS 3025 (Part 10): 2023
13	Total Hardness as CaCO ₃	mg/L	-	-	-	-	-	22	IS 3025 (Part 21): 2023

1. Station code	1892	Page 2 of 2	
2. Date & time of sample taken	Date: 05.05.2026	Time: 15:55	Type of Water Body: River
3. Name of Monitoring Station	River Netravathi Lx of Dharmastam water supply intake point.		SAMPLE CODE: CTED (V)
4. Date of collection of sample	06.05.2026		LOCATION: RO: MANGALURI
5. Date of completion of test	30.05.2026		Sample Report No: 25
6. Characteristics of sample collected	River Water		Sample No: 1

Sl. No	Parameters	Unit	Water Quality Criteria						Result	Test Method
			A	B	C	D	E	F		
14	Calcium as CaCO ₃	mg/L	-	-	-	-	-	-	74	IS 3025 (Part 46): 2021
15	Magnesium as CaCO ₃	mg/L	-	-	-	-	-	-	8	IS 3025 (Part 46): 2021
16	Chloride as Cl ⁻	mg/L	-	-	-	-	-	-	6	IS 3025 (Part 32): 2019
17	Sodium as Na ⁺	mg/L	-	-	-	-	-	-	6.0	IS 3025 (Part 45): 2021
18	Potassium as K ⁺	mg/L	-	-	-	-	-	-	1.0	IS 3025 (Part 45): 2021
19	Sulphate as SO ₄ ²⁻	mg/L	-	-	-	-	-	-	4.1	IS 3025 (Part 24): 2022
20	pH Alkalinity	mg/L	-	-	-	-	-	-	BDL	IS 3025 (Part 23): 2021
21	Total Alkalinity as CaCO ₃	mg/L	-	-	-	-	-	-	28	
22	Bicarbonate (HCO ₃ ⁻)	mg/L	-	-	-	-	-	-	28	
23	Carbonate (CO ₃ ²⁻)	mg/L	-	-	-	-	-	-	BDL	IS 3025 (Part 16): 2021
24	Total Dissolved Solids	mg/L	-	-	-	-	-	-	BDL	
25	Total Phosphate as P	mg/L	-	-	-	-	-	-	0.3	
26	Fluoride as F ⁻	mg/L	-	-	-	-	-	-	BDL	IS 3025 (Part 51): Sec 1: 2022
27	Total Kjeldhal Nitrogen	mg/L	-	-	-	-	-	-	18	IS 3025 (Part 60): 2021
28	Total Suspended Solids	mg/L	-	-	-	-	-	-	36.1	IS 3025 (Part 31): 2023
29	Percent Sodium	%	-	-	-	-	-	-	By Calculation	IS 3025 (Part 17): 2022
30	Sodium Absorption Ratio	-	-	-	-	-	-	-	0.56	IS 11624: 2021
31	Calcium as Ca	mg/L	-	-	-	-	-	-	5.6	IS 3025 (Part 40): 2024
32	Magnesium as Mg	mg/L	-	-	-	-	-	-	1.9	IS 3025 (Part 46): 2021
33	Nitrate	mg/L	-	-	-	-	-	-	BDL	APHA 23rd edition 4500-NO ₂ -D: 2017

INFERENCE

Class " C " - to prescribed standards with respect to Total Coliform, as per Primary Water Quality Criteria - CPCB.
Designated best use - Drinking water source with conventional treatment followed by disinfection

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 4. BDL: Below Detection Level in mg/L.

Scientific Assistant
 Analysed By

Assistant Scientific Officer
 Verified By

Authorised signatory
 (Ravi S Gali)

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KARNATAKA STATE POLLUTION CONTROL BOARD
REGIONAL LABORATORY
ISO 9001:2015 and ISO 45001:2018 CERTIFIED LABORATORY

ಕರ್ನಾಟಕ ಸರ್ಕಾರ, "ಪರಿಸರ
ಭವನ", ಸಂ.23&24,
ಇವುಗಳ ನಡುವೆ ಹಾದು
ಇರುವ ಪ್ರದೇಶ, ಬೈಕಾರ್ನಾಡು,
ಮಂಗಳೂರು -575011

Date :

JUN 2026

1	Station code	1894				Page 1 of 2	
2	Date & time of Sample taken	Date	05.05.2026	Time	13.55	Type of Water Body	River water
3	Name of Monitoring Station	River Kumaradhara U/s of Uppinangady Town before confluence with Netravathi river.				SAMPLE COLLECTED BY : E.O.(A/c) KSPCB	
4	Temperature	34 C				RO:MANGALURU	
5	Visible Effluent Discharge in Proximity	None ✓	Moderate	High	Other	Completed by	Scientific Assistant
6	Weather	Cloudy	Clear✓	Windy	Raining	Verified by:	Assistant Scientific Officer
	Depth of water body (meter)	< 50 cm	50-100cm	>100 cm✓	Flood	AGENCY:	KARNATAKA
8	Human Activities	Cattle Wading	Melon Farming	Fishing	Other None✓	Date of commencement of test:	06.05.2026
9	Colour	Clear	Turbid	Green	Brownish Light Muddy Colour✓	Date of completion of test	30.05.2026
10	Odour	None ✓	Fishy	H ₂ S	Other	Sample Report No.	26
11	Particulars of sample collected	River water				Sample No.	112

Sl. No	Parameters	Unit	Water Quality Criteria					Result	Test Method
			A	B	C	D	E		
1	pH	-	6.5-8.5	6.5-8.5	6.0-9.0	6.5-8.5	6.0-8.5	8.2	IS 3025 (Part 11):2022
2	Conductivity	µS/cm	-	-	-	-	2250	75	IS 3025 (Part 14): 2023
3	Total Coliform	MPN /100ml	50	500	5000	-	-	1600	APHA 23rd edition (9221 D): 2017
4	Fecal Coliform	MPN /100ml	-	-	-	-	-	150	APHA 23rd edition (9221 E): 2017
5	Oxygen (Dissolved)	mg/L	6	5	4	4	-	7.8	APHA 23rd edition 4500-O G): 2017
6	Biochemical Oxygen Demand @ 27° C for 3 days	mg/L	2	3	3	-	-	2.2	IS 3025 (Part 44): 2023
7	Chemical Oxygen Demand	mg/L	-	-	-	-	-	14	IS 3025 (Part 58): 2023
8	Boron as B	mg/L	-	-	-	-	2	BDL	APHA 23rd edition (4500-B B): 2017
9	Nitrate as N	mg/L	-	-	-	-	-	0.040	APHA 23rd edition 4500-NO3-B: 2017
10	Ammonia as N	mg/L	-	-	-	-	-	BDL	IS 3025 (Part 34): 2023
11	Free Ammonia as N	mg/L	-	-	-	1.2	-	BDL	APHA 23rd edition 4500-NH3-D: 2017
12	Turbidity	NTU	-	-	-	-	-	8	IS 3025 (Part 10): 2023
13	Total Hardness as CaCO ₃	mg/L	-	-	-	-	-	22	IS 3025 (Part 21): 2023

Date & date of Sample Collection	Date: 06/05/2026	Type of Water Body	River
Name of Monitoring Station	River Kumaradhara (S of Unparitulya Town) before confluence with Narmada river	SAVED COLLECTION BY	20/05/2026 KSPCB
Date of commencement of test	06/05/2026	RO: MANGALURI	
Date of completion of test	30/05/2026	Sample Report No.: 26	
Place of sample collected	River Water	Sample No.: 112	

Sl. No	Parameters	Unit	Water Quality Criteria					Result	Test Method
			A	B	C	D	E		
14	Calcium as CaCO ₃	mg/L	-	-	-	-	-	14	IS 3025 (Part 40): 2024
15	Magnesium as CaCO ₃	mg/L	-	-	-	-	-	8	IS 3025 (Part 46): 2024
16	Chloride as Cl ⁻	mg/L	-	-	-	-	-	8	IS 3025 (Part 32): 2019
17	Sodium as Na ⁺	mg/L	-	-	-	-	-	6.0	IS 3025 (Part 45): 2024
18	Potassium as K ⁺	mg/L	-	-	-	-	-	1.0	IS 3025 (Part 45): 2024
19	Sulphate as SO ₄ ²⁻	mg/L	-	-	-	-	-	3.10	IS 3025 (Part 24): 2022
20	pH Acidity	mg/L	-	-	-	-	-	BDL	IS 3025 (Part 23): 2023
21	Total Alkalinity as CaCO ₃	mg/L	-	-	-	-	-	26	
22	Bicarbonate (HCO ₃ ⁻)	mg/L	-	-	-	-	-	26	
23	Carbonate (CO ₃ ²⁻)	mg/L	-	-	-	-	-	BDL	
24	Total Dissolved Solids	mg/L	-	-	-	-	-	48	IS 3025 (Part 16): 2023
25	Total Phosphate as P	mg/L	-	-	-	-	-	BDL	IS 3025 (Part 31): Sec 1: 2022
26	Fluoride as F ⁻	mg/L	-	-	-	-	-	0.3	IS 3025 (Part 60): 2023
27	Total Kjeldahl Nitrogen	mg/L	-	-	-	-	-	BDL	IS 3025 (Part 34): 2023
28	Total Suspended Solids	mg/L	-	-	-	-	-	16	IS 3025 (Part 17): 2022
29	Percent Sodium	%	-	-	-	-	-	36.1	By Calculation
30	Sodium Absorption Ratio	-	-	-	-	-	-	0.56	IS 11624: 2023
31	Calcium as Ca	mg/L	-	-	-	-	-	5.6	IS 3025 (Part 40): 2024
32	Magnesium as Mg	mg/L	-	-	-	-	-	1.9	IS 3025 (Part 46): 2023
33	Nitrite	mg/L	-	-	-	-	-	BDL	APHA 23rd edition 4500-NO2-D: 2017

INFERENCE

Class "C" - to prescribed standards with respect to Total Coliform, as per Primary Water Quality Criteria - CPCB
 Designated best use - Drinking water source with conventional treatment followed by disinfection

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 4. BDL: Below Detection Level in mg/L.

Scientific Assistant
 Analysed By

Assistant Scientific Officer
 Verified By

Authorised signatory
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ಕ.ಸ.ಪ.ಪ.ನಿ.ಮಂ. "ಪರಿಸರ
ಭವನ", ನಂ.23&24,
ಅಮಲಿನಾ ಕಡ್ಲೆ, 4ನೇ
ಕ್ರಾಂತಿ ರಸ್ತೆ ಪ್ರದೇಶ, ಬೈಕನ್ನಿಪಾಳೆ
ಮಂಗಳೂರು 575011

Date : 13 JUN 2026

1	Station code	3562				Page 1 of 2	
2	Date & time of Sample taken	Date	05.05.2026	Time	10:15	Type of Water Body	River water
3	Name of Monitoring Station	River Netravathi (Thumbay water supply station to Mangaluru city)				SAMPLE COLLECTED BY : L.O.(A/c) KSPCB RO:MANGALURU	
4	Temperature	33°C					
5	Visible Effluent Discharge in Proximity	None ✓	Moderate	High	Other	Completed by	Scientific Assistant
6	Weather	Cloudy ✓	Clear	Windy	Raining	Verified by:	Assitant Scientific Officer
	Depth of water body (meter)	< 50 cm	50-100cm	>100 cm ✓	Flood	AGENCY:	KARNATAKA
8	Human Activities	Cattle Wading	Melon Farming	Fishing	Other None ✓	Date of commencement of test	06.05.2026
9	Colour	Clear ✓	Turbid	Green	Brownish / Muddy Colour	Date of completion of test	30.05.2026
10	Odour	None ✓	Fishy	ITS	Other	Sample Report No.	27
11	Particulars of sample collected	River water				Sample No.	113

Sl. No	Parameters	Unit	Water Quality Criteria					Result	Test Method
			A	B	C	D	E		
1	pH	-	6.5-8.5	6.5-8.5	6.0-9.0	6.5-8.5	6.0-8.5	8.2	IS 3025 (Part 11):2022
2	Conductivity	µS/cm	-	-	-	-	2250	80	IS 3025 (Part 14): 2023
3	Total Coliform	MPN /100ml	50	500	5000	-	-	1600	APHA 23rd edition (9221 B): 2017
4	Fecal Coliform	MPN /100ml	-	-	-	-	-	140	APHA 23rd edition (9221 E): 2017
5	Oxygen (Dissolved)	mg/L	6	5	4	4	-	7.4	APHA 23rd edition 4500-O G): 2017
6	Biochemical Oxygen Demand @ 27°C for 5 days	mg/L	2	3	3	-	-	2.6	IS 3025 (Part 44): 2023
7	Chemical Oxygen Demand	mg/L	-	-	-	-	-	16	IS 3025 (Part 58): 2023
8	Boron as B	mg/L	-	-	-	-	2	BDL	APHA 23rd edition (4500-B D): 2017
9	Nitrate as N	mg/L	-	-	-	-	-	0.05	APHA 23rd edition 4500-NO3-B: 2017
10	Ammonia as N	mg/L	-	-	-	-	-	BDL	IS 3025 (Part 34): 2023
11	Free Ammonia as N	mg/L	-	-	-	1.2	-	BDL	APHA 23rd edition 4500-NH3-D: 2017
12	Turbidity	NTU	-	-	-	-	-	9	IS 3025 (Part 10): 2023
13	Total Hardness as CaCO ₃	mg/L	-	-	-	-	-	24	IS 3025 (Part 21): 2023

Sl. No.	3562	Page No.	1 of 2
1. Date & time of Sample Collection	Date: 05/05/2026	Time: 09:17	Source of Water Body: River
2. Name of Monitoring Station	River Netravathi (Thombay water supply station to Mangalore city)		SAMPLE COLLECTED BY: L.O. J. J. NSP/B
3. Date of Sample Collection	16/05/2026		RO: MANGALURI
4. Date of completion of test	30/05/2026		Sample Report No: 27
5. Particulars of sample collected	River Water		Sample No: 113

Sl. No.	Parameters	Unit	Water Quality Criteria					Result	Test Method
			A	B	C	D	E		
16	Calcium as CaCO ₃	mg/L	-	-	-	-	-	16	IS 3025 (Part 40): 2024
17	Magnesium as CaCO ₃	mg/L	-	-	-	-	-	8	IS 3025 (Part 40): 2024
18	Chloride as Cl ⁻	mg/L	-	-	-	-	-	9	IS 3025 (Part 32): 2009
19	Sodium as Na	mg/L	-	-	-	-	-	6.0	IS 3025 (Part 43): 2024
20	Potassium as K	mg/L	-	-	-	-	-	1.0	IS 3025 (Part 45): 2024
21	Sulphate as SO ₄	mg/L	-	-	-	-	-	2.5	IS 3025 (Part 24): 2022
22	Total Alkalinity	mg/L	-	-	-	-	-	BDL	IS 3025 (Part 23): 2024
23	Total Alkalinity as CaCO ₃	mg/L	-	-	-	-	-	26	
24	Bicarbonate (HCO ₃ ⁻)	mg/L	-	-	-	-	-	26	
25	Carbonate (CO ₃ ²⁻)	mg/L	-	-	-	-	-	BDL	
26	Total Dissolved Solids	mg/L	-	-	-	-	-	52	IS 3025 (Part 16): 2023
27	Total Phosphate as P	mg/L	-	-	-	-	-	BDL	IS 3025 (Part 33) Sec 11: 2022
28	Iodide as I	mg/L	-	-	-	-	-	0.3	IS 3025 (Part 60): 2023
29	Total Kjeldahl Nitrogen	mg/L	-	-	-	-	-	BDL	IS 3025 (Part 34): 2023
30	Total Suspended Solids	mg/L	-	-	-	-	-	18	IS 3025 (Part 17): 2022
31	Percent Sodium	%	-	-	-	-	-	34.2	By Calculation
32	Sodium Absorption Ratio	-	-	-	-	-	-	0.53	IS 11624: 2023
33	Calcium as Ca	mg/L	-	-	-	-	-	6.4	IS 3025 (Part 40): 2024
34	Magnesium as Mg	mg/L	-	-	-	-	-	1.9	IS 3025 (Part 46): 2023
35	Nitrate	mg/L	-	-	-	-	-	BDL	APHA 23rd edition 4500-NO ₃ -D: 2017
INFERENCE		Class "C" - to prescribed standards with respect to Total Coliform, as per Primary Water Quality Criteria - CPCB.							
		Designated best use - Drinking water source with conventional treatment followed by disinfection							

- Notes: 1. The above results pertain only to the sample tested.
2. The report shall not be reproduced without the written approval of the laboratory.
3. Samples will be stored for a period of 10 days from the date of issue of report.
+ BDL: Below Detection Level in mg/L.

Scientific Assistant
Analysed By

Assistant Scientific Officer
Verified By

Authorised signatory
(Ravi S Gali)

KSPCB Mangalore
No.23 & 24, 1st cross,
Near JSI Hospital
Industrial Area
Bykampady
Mangaluru - 575011**KARNATAKA STATE POLLUTION CONTROL BOARD
REGIONAL LABORATORY**
ISO 9001:2015 and ISO 45001:2018 CERTIFIED LABORATORYಕ.ರಾ.ಪಾಲ.ನಿ.ಮಂಡಿ, "ಜಲಕಾಶ
ಭವನ", ಸಂ.23&24,
ಮಾನ್ಯವಾದ ಜ್ಯೋತ್ಸ್ಮ ಹಸ್ತಿ,
ಕೈಗಾರಿಕಾ ಪ್ರದೇಶ, ಬೈಕಾಂಪಡಿ,
ಮಂಗಳೂರು - 575011

1	Station code	3563				Date :	
2	Date & time of Sample taken	Date	05.05.2026	Time	14:20	Type of Water Body	River water
3	Name of Monitoring Station	River Netravathi U/s of Uppinangady Town before confluence with Kumaradhara River				SAMPLE COLLECTED BY : E.O (A/c) KSPCB RO:MANGALURU	
4	Temperature	34°C					
5	Visible Effluent Discharge in Proximity	None ☒	Moderate	High	Other	Completed by	Scientific Assistant
6	Weather	Cloudy	Clear ☒	Windy	Raining	Verified by	Assistant Scientific Officer
	Depth of water body (meter)	< 50 cm	50-100cm	>100 cm ☒	Flood	AGENCY:	KARNATAKA
7	Human Activities	Cattle Wading	Melon Farming	Human Bathing	Other None ☒	Date of commencement of test	06.05.2026
8	Colour	Clear ☒	Turbid	Green	Brownish Muddy Colour	Date of completion of test	30.05.2026
9	Odour	None ☒	Fishy	H2S	Other	Sample Report No.	28
	Particulars of sample collected	River water				Sample No.	114

Parameters	Unit	Water Quality Criteria					Result	Test Method
		A	B	C	D	E		
pH	-	6.5-8.5	6.5-8.5	6.0-9.0	6.5-8.5	6.0-8.5	8.2	IS 3025 (Part 11): 2022
Conductivity	µS/cm	-	-	-	-	2250	78	IS 3025 (Part 14): 2023
Total Coliform	MPN /100ml	50	500	5000	-	-	1600	APHA 23rd edition (9221-B): 2017
Fecal Coliform	MPN /100ml	-	-	-	-	-	150	APHA 23rd edition (9221-E): 2017
Oxygen (Dissolved)	mg/L	6	5	4	4	-	7.7	APHA 23rd edition 4500-O G: 2017
Biochemical Oxygen Demand @ 27° C for 3 days	mg/L	2	3	3	-	-	2.8	IS 3025 (Part 14): 2023
Chemical Oxygen Demand	mg/L	-	-	-	-	-	17	IS 3025 (Part 58): 2023
Boron as B	mg/l	-	-	-	-	2	BDL	APHA 23rd edition (4500-B B): 2017
Nitrate as N	mg/l	-	-	-	-	-	0.05	APHA 23rd edition 4500-NO3-R: 2017
Ammonia as N	mg/L	-	-	-	-	-	BDL	IS 3025 (Part 34): 2023
Free Ammonia as N	mg/L	-	-	-	1.2	-	BDL	APHA 23rd edition 4500-NH3-D: 2017
Turbidity	NTU	-	-	-	-	-	9.5	IS 3025 (Part 10): 2023
Total Hardness as CaCO ₃	mg/L	-	-	-	-	-	24	IS 3025 (Part 21): 2023

1. Date of receipt of the sample	2. Date of analysis	3. Name of the water body	4. River
5. Name of Monitoring Station	River Netravathi U/G of Unpinninggudi Town below confluence with Narmadikarni River		SAMPLE COLLECTED BY 1. Q. A. K. S. P. O. RO-MANGALURI
6. Date of collection of sample	06/12/2023	Sample Report No.	28
7. Date of receipt of sample	06/12/2023	Sample No.	111
8. Name of the source of sample collected	River Water		

Sl. No.	Parameters	Unit	Water Quality Criteria					Result	Test Method
			A	B	C	D	E		
14	Calcium as CaCO_3	mg/l	-	-	-	-	-	16	IS 3025 (Part 46): 2023
15	Magnesium as CaCO_3	mg/l	-	-	-	-	-	8	IS 3025 (Part 46): 2023
16	Chloride as Cl	mg/l	-	-	-	-	-	8	IS 3025 (Part 46): 2023
17	Sulfate as SO_4	mg/l	-	-	-	-	-	6.0	IS 3025 (Part 45): 2023
18	Potassium as K	mg/l	-	-	-	-	-	1.0	IS 3025 (Part 45): 2023
19	Sulphate as SO_4	mg/l	-	-	-	-	-	3.40	IS 3025 (Part 24): 2022
20	pH-Alkalinity	mg/l	-	-	-	-	-	BDL	IS 3025 (Part 23): 2023
21	Total Alkalinity as CaCO_3	mg/l	-	-	-	-	-	28	
22	Bicarbonate (HCO_3)	mg/l	-	-	-	-	-	28	
23	Carbonate (CO_3)	mg/l	-	-	-	-	-	BDL	IS 3025 (Part 16): 2023
24	Total Dissolved Solids	mg/l	-	-	-	-	-	50	
25	Total Phosphate as P	mg/l	-	-	-	-	-	BDL	
26	Fluoride as F	mg/l	-	-	-	-	-	0.3	IS 3025 (Part 60): 2023
27	Total Kjeldahl Nitrogen	mg/l	-	-	-	-	-	BDL	IS 3025 (Part 34): 2023
28	Total Suspended Solids	mg/l	-	-	-	-	-	20	IS 3025 (Part 17): 2022
29	Percent Sodium	%	-	-	-	-	-	51.2	By Calculation
30	Sodium Absorption Ratio	-	-	-	-	-	-	0.53	IS 11624: 2023
31	Calcium as Ca	mg/L	-	-	-	-	-	6.4	IS 3025 (Part 40): 2024
32	Magnesium as Mg	mg/L	-	-	-	-	-	1.9	IS 3025 (Part 46): 2023
33	Nitrite	mg/L	-	-	-	-	-	BDL	APHA 23rd edition 4500-NO2-D: 2017

INFERENCE

Class "C" - to prescribed standards with respect to Total Coliform, as per Primary Water Quality Criteria - CPCB.
Designated best use - Drinking water source with conventional treatment followed by disinfection

- Notes:
- The above results pertain only to the sample tested.
 - The report shall not be reproduced without the written approval of the laboratory.
 - Samples will be stored for a period of 10 days from the date of issue of report.
 - BDL: Below Detection Level in mg/l.

Scientific Assistant
Analyzed By

Assistant Scientific Officer
Verified By

Authorised Signatory
(Ravi S Gali)
Scientific Officer

— End of Report —

KSPCB, P. M. S. Bhavan,
No.23 & 24 4th cross
New ESI Hospital
Industrial Area,
Bykampady,
Mangaluru-575011

KARNATAKA STATE POLLUTION CONTROL BOARD REGIONAL LABORATORY

ISO 9001:2015 and ISO 45001:2018 CERTIFIED LABORATORY

ಕೆ.ಎಸ್.ಪಿ.ಸಿ.ಬಿ. ಭವನ,
ನಂ.23&24,
ನವೀನ ಎಸಿ ಹಾಸ್ಟಲ್
ಕೈರಾಪಡೆ ಪ್ರದೇಶ, ಬೈಕಾಂಬಡೆ,
ಮಂಗಳೂರು -575011

ANALYSIS REPORT

Date : 7

Station code	1892				Page 1 of 3	
Date & time of Sample taken	Date	06.04.2026	Time	14:50	Type of Water Body	River water
Name of Monitoring Station	River Netravathi U/s of Dharmastala water supply intake point.				SAMPLE COLLECTED BY : E.O.(A/c) KSPCB RO:MANGALURU	
Temperature	29°C					
Visible Effluent Discharge in Proximity	None ✓	Moderate	High	Other	Completed by	Scientific Assistant
Weather	Cloudy	Clear ✓	Windy	Raining	Verified by:	Assistant Scientific Officer
Depth of water body (meter)	< 50 cm	50-100cm	>100 cm ✓	Flood	AGENCY:	KARNATAKA
Human Activities	Cattle Wading	Melon Farming	Fishing	Other None ✓	Date of commencement	07.04.2026
Colour	Clear ✓	Turbid	Green	Brownish Muddy Colour	Date of completion of	05.05.2026
Odour	None ✓	Fishy	H ₂ S	Other	Sample Report No.	9
Particulars of sample collected	River water				Sample No.	10 - 12

Parameters	Unit	Water Quality Criteria					Result			Test Method
		A	B	C	D	E	10	11	12	
pH	-	6.5-8.5	6.5-8.5	6.0-9.0	6.5-8.5	6.0-8.5	8.2	-	-	IS 3025 (Part 11): 2022
Conductivity	µS/cm	-	-	-	-	2250	63	-	-	IS 3025 (Part 14): 2023
Total Coliform	MPN /100ml	50	500	5000	-	-	350	-	-	APHA 23rd edition (9221 B): 2017
Fecal Coliform	MPN /100ml	-	-	-	-	-	58	-	-	APHA 23rd edition (9221 E): 2017
Oxygen (Dissolved)	mg/l.	6	5	4	4	-	7.7	-	-	APHA 23rd edition 4500-O G: 2017
Biochemical Oxygen Demand (@ 27° C for 5 days)	mg/l.	2	3	3	-	-	2.2	-	-	IS 3025 (Part 44): 2023
Chemical Oxygen Demand	mg/l.	-	-	-	-	-	14	-	-	IS 3025 (Part 58): 2023
Boron as B	mg/L	-	-	-	-	2	BDL	-	-	APHA 23rd edition (4500-B B): 2017
Nitrate as N	mg/l.	-	-	-	-	-	0.03	-	-	APHA 23rd edition 4500-NO ₃ -B: 2017
Ammonia as N	mg/l	-	-	-	-	-	BDL	-	-	IS 3025 (Part 34): 2023
Free Ammonia as N	mg/L	-	-	-	1.2	-	BDL	-	-	APHA 23rd edition 4500-NH ₃ -D: 2017
Turbidity	NTU	-	-	-	-	-	6	-	-	IS 3025 (Part 10): 2023
Total Hardness as CaCO ₃	mg/L	-	-	-	-	-	18	-	-	IS 3025 (Part 21): 2023

Code	1892			Page No.	3
Date of Sample taken	Date	06/04/2026	Time	14:50	Type of Water Body River water
Name of Monitoring Station	River Netravathi Eas of Dharmastala water supply intake point.				SAMPLE COLLECTED BY L.D.V. KSPCB RO: MANGALURI
Date of commencement of test	07.05.2026				Sample Report No., 09
Date of completion of test	05.05.2026				Sample No. 10 - 12
Particulars of sample collected	River Water				

Sl. No	Parameters	Unit	Water Quality Criteria					Result			Test Method
			A	B	C	D	E	10	11	12	
34	Manganese as Mn ²⁺	mg/l	-	-	-	-	-	-	BDL	-	APHA 23rd edition (11B)
35	Copper	mg/l	-	-	-	-	-	-	BDL	-	IS 3025 (Part 32) 2024
36	Iron	mg/l	-	-	-	-	-	-	BDL	-	IS 3025 (Part 33) 2024
37	Zinc	mg/l	-	-	-	-	-	-	BDL	-	IS 3025 (Part 34) 2024
38	Total Chromium	mg/l	-	-	-	-	-	-	BDL	-	IS 3025 (Part 35) 2023
39	Cadmium	mg/l	-	-	-	-	-	-	BDL	-	IS 3025 (Part 41) 2023
40	Nickel	mg/l	-	-	-	-	-	-	BDL	-	IS 3025 (Part 54) 2023
41	Lead	mg/l	-	-	-	-	-	-	BDL	-	IS 3025 (Part 44) 2024
42	Aldrin	µg/L	-	-	-	-	-	-	-	BDL	EPA Method 8270 D
43	Alpha BHC	µg/L	-	-	-	-	-	-	-	BDL	EPA Method 8270 D
44	Beta BHC	µg/L	-	-	-	-	-	-	-	BDL	EPA Method 8270 D
45	Delta BHC	µg/L	-	-	-	-	-	-	-	BDL	EPA Method 8270 D
46	Gamma BHC	µg/L	-	-	-	-	-	-	-	BDL	EPA Method 8270 D
47	4, 4 DDD	µg/L	-	-	-	-	-	-	-	BDL	EPA Method 8270 D
48	4, 1 DDE	µg/L	-	-	-	-	-	-	-	BDL	EPA Method 8270 D
49	1, 1 DDT	µg/L	-	-	-	-	-	-	-	BDL	EPA Method 8270 D
50	Dieldrin	µg/L	-	-	-	-	-	-	-	BDL	EPA Method 8270 D
51	Endosulfan-I (Alpha)	µg/L	-	-	-	-	-	-	-	BDL	EPA Method 8270 D
52	Endosulfan-II (Beta)	µg/L	-	-	-	-	-	-	-	BDL	EPA Method 8270 D
53	Endosulfan Sulfate	µg/L	-	-	-	-	-	-	-	BDL	EPA Method 8270 D
54	Endrin	µg/L	-	-	-	-	-	-	-	BDL	EPA Method 8270 D
55	Endrin Aldehyde	µg/L	-	-	-	-	-	-	-	BDL	EPA Method 8270 D
56	Heptachlor	µg/L	-	-	-	-	-	-	-	BDL	EPA Method 8270 D
57	Heptachlor Epoxide Isomer B	µg/L	-	-	-	-	-	-	-	BDL	EPA Method 8270 D
58	Methoxychlor	µg/L	-	-	-	-	-	-	-	BDL	EPA Method 8270 D

INFERENCE

Class " B " - to prescribed standards with respect to Total coliforms as per Primary Water Quality Criteria - CPCB.

Designated best use - Out door bathing organized

Note: 1. The above results pertain only to the sample tested.

2. The report shall not be reproduced without the written approval of the laboratory.

3. Samples will be stored for a period of 10 days from the date of issue of report

4. BDL: Below Detection Level in µg/L.

Scientific Assistant
Analysed By

Assistant Scientific Officer
Verified By

Authorised signatory
(Ravi S Gali)
Scientific Officer

ಕರ್ನಾಟಕ ರಾಜ್ಯ ಪರಿಸರ ಉಳಿತಾಯ ಇಲಾಖೆ
Karnataka State Pollution Control Board
ಬೆಂಗಳೂರು
Bengaluru
Mysore Road, 560001

**KARNATAKA STATE POLLUTION CONTROL BOARD
REGIONAL LABORATORY
ISO 9001:2015 and ISO 45001:2018 CERTIFIED LABORATORY**

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Karnataka State Pollution Control Board
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E-mail: kspcb@kspcb.org
Website: kspcb.org

ANALYSIS REPORT

Date: 07.04.2026

Page 1 of 3

Sample No.	1894					Date: 07.04.2026	
Location of Sample taken	Date	06.04.2026	Time	12:25	Type of Water Body	River water	
Name of Station	River Kumaradhara U/s of Uppinangady Town before confluence with Venavathi river.					SAMPLE COLLECTED BY	
Temperature	32°C					RO. MANGALURU	
Visible Effluent Discharge in proximity	None	Moderate	High	Other	Completed by	Scientific Assistant	
Weather	Cloudy	Clear	Windy	Raining	Verified by	Assistant Scientific Officer	
Depth of water body (meter)	< 50 cm	50-100 cm	> 100 cm	Flood	AGENCY	KARNATAKA	
Use of land in vicinity	Cattle Wading	Melon Farming	Field	Other Nones	Date of commencement	07.04.2026	
Water Colour	Clear	Turbid	Green	Brownish Muddy Colour	Date of completion of Sample Report	05.05.2026	
Odour	None	Fishy	HDS	Other	Sample Report No	10	
Characteristics of sample collected	River water					Sample No	13-15

Parameters	Unit	Water Quality Criteria					Result			Test Method
		A	B	C	D	E	13	14	15	
pH	-	6.5-8.5	6.5-8.5	6.0-9.0	6.5-8.5	6.0-8.5	8.1			IS 3025 (Part 11): 2023
Electrical Conductivity	uS/cm	-	-	-	-	2250	72			IS 3025 (Part 14): 2023
Total Chlorine	MPN /100 ml	50	500	5000	-	-	270			APHA 23rd edition (9221 B): 2017
Total Chlorine	MPN /100ml	-	-	-	-	-	31			APHA 23rd edition (9221 F): 2017
Oxygen (Dissolved)	mg/L	6	5	4	4	-	7.6			APHA 23rd edition 4500-O G): 2017
Biochemical Oxygen Demand at 27°C for 5 days	mg/L	2	3	3	-	-	2.0			IS 3025 (Part 11): 2023
Chemical Oxygen Demand	mg/L	-	-	-	-	-	12			IS 3025 (Part 18): 2023
Ammonia-N	mg/L	-	-	-	-	2	BDL			APHA 23rd edition (4500-B B): 2017
Nitrate-N	mg/L	-	-	-	-	-	0.029			APHA 23rd edition 4500-NO3-B): 2017
Ammonia-N	mg/L	-	-	-	-	-	BDL			IS 3025 (Part 11): 2023
Free Ammonia-N	mg/L	-	-	-	1.2	-	BDL			APHA 23rd edition 4500-NH3-D): 2017
Turbidity	NTU	-	-	-	-	-	6			IS 3025 (Part 10): 2023
Total Hardness as CaCO ₃	mg/L	-	-	-	-	-	20			IS 3025 (Part 21): 2023

1	Station Code	1894				Page 20/25	
2	Date & Time of Sample Taken	Date	06.04.2026	Time	12:25	Type of Water Body	River water
3	Name of Monitoring Station	River Kumaradhara U/s of Uppinangady Town before confluence with Netravathi river.				SAMPLE COLLECTED BY: E.O.(A-c) KSPCB RO: MANGALURU	
4	Date of commencement of test	07.05.2026				Sample Report No. 10	
5	Date of completion of test	05.05.2026				Sample No. 13 - 15	
6	Particulars of sample collected	River Water					

Sl. No	Parameters	Unit	Water Quality Criteria					Result			Test Method
			A	B	C	D	E	13	14	15	
14	Calcium as CaCO ₃	mg/l	-	-	-	-	-	14	-	-	IS 3025 (Part 40): 2024
15	Magnesium as CaCO ₃	mg/L	-	-	-	-	-	6	-	-	
16	Chloride as Cl	mg/L	-	-	-	-	-	10	-	-	IS 3025 (Part 46): 2019
17	Sodium as Na	mg/L	-	-	-	-	-	6.0	-	-	IS 3025 (Part 52): 2019
18	Potassium as K	mg/L	-	-	-	-	-	1.0	-	-	IS 3025 (Part 45): 2024
19	Sulphate as SO ₄	mg/L	-	-	-	-	-	2.1	-	-	IS 3025 (Part 45): 2024
20	P- Alkalinity	mg/L	-	-	-	-	-	BDL	-	-	IS 3025 (Part 24): 2022
21	Total Alkalinity as CaCO ₃	mg/L	-	-	-	-	-	22	-	-	IS 3025 (Part 25): 2023
22	Bicarbonate (HCO ₃)	mg/L	-	-	-	-	-	22	-	-	
23	Carbonate (CO ₃)	mg/L	-	-	-	-	-	BDL	-	-	
24	Total Dissolved Solids	mg/L	-	-	-	-	-	46	-	-	IS 3025 (Part 16): 2025
5	Total Phosphate as P	mg/L	-	-	-	-	-	BDL	-	-	IS 3025 (Part 31) Sec 1: 2022
6	Fluoride as F	mg/L	-	-	-	-	-	0.2	-	-	IS 3025 (Part 60): 2023
7	Total Kjeldhal Nitrogen	mg/L	-	-	-	-	-	BDI	-	-	IS 3025 (Part 34): 2023
8	Total Suspended Solids	mg/L	-	-	-	-	-	12	-	-	IS 3025 (Part 17): 2022
9	Percent Sodium	%	-	-	-	-	-	37.9	-	-	By Calculation
10	Sodium Absorption Ratio	-	-	-	-	-	-	0.58	-	-	IS 11624: 2023
11	Calcium as Ca	mg/L	-	-	-	-	-	5.6	-	-	IS 3025 (Part 40): 2024
12	Magnesium as Mg	mg/L	-	-	-	-	-	1.5	-	-	IS 3025 (Part 46): 2023
13	Nitrite	mg/L	-	-	-	-	-	BDI	-	-	APHA 23rd edition 4501-Nitrite, 10/2017

Sample No.	1804	Sample Name	River Kumaradhara S.S. at Pimpriangudi, near
Location of the Sample		before confluence with Netravathi river	
Date of the report of test	02/03/2026	Sample No.	RD/MANGA/URI
Tested by	Asst. S. S. Gali	Sample No.	1804
Tested by	Asst. S. S. Gali	Sample No.	1804

Sl. No.	Parameters	Unit	Water Quality Criteria					Result			Test Method
			A	B	C	D	E	13	14	15	
1	Temperature	°C	-	-	-	-	-	-	BDL	-	IS 3025 (Part 4) : 2021
2	pH	-	-	-	-	-	-	-	BDL	-	IS 3025 (Part 4) : 2021
3	Dissolved Oxygen	mg/L	-	-	-	-	-	-	BDL	-	IS 3025 (Part 4) : 2021
4	Total Dissolved Solids	mg/L	-	-	-	-	-	-	BDL	-	IS 3025 (Part 4) : 2021
5	Total Suspended Solids	mg/L	-	-	-	-	-	-	BDL	-	IS 3025 (Part 4) : 2021
6	Calcium	mg/L	-	-	-	-	-	-	BDL	-	IS 3025 (Part 4) : 2021
7	Magnesium	mg/L	-	-	-	-	-	-	BDL	-	IS 3025 (Part 4) : 2021
8	Iron	mg/L	-	-	-	-	-	-	BDL	-	IS 3025 (Part 4) : 2021
9	Manganese	mg/L	-	-	-	-	-	-	BDL	-	IS 3025 (Part 4) : 2021
10	Alfa BHC	µg/L	-	-	-	-	-	-	BDL	-	EPA Method 8270.D
11	Beta BHC	µg/L	-	-	-	-	-	-	BDL	-	EPA Method 8270.D
12	Gamma BHC	µg/L	-	-	-	-	-	-	BDL	-	EPA Method 8270.D
13	DDT	µg/L	-	-	-	-	-	-	BDL	-	EPA Method 8270.D
14	Endrin	µg/L	-	-	-	-	-	-	BDL	-	EPA Method 8270.D
15	Heptachlor	µg/L	-	-	-	-	-	-	BDL	-	EPA Method 8270.D
16	Endrin Aldehyde	µg/L	-	-	-	-	-	-	BDL	-	EPA Method 8270.D
17	Heptachlor Epoxide Isomer B	µg/L	-	-	-	-	-	-	BDL	-	EPA Method 8270.D
18	Methoxychlor	µg/L	-	-	-	-	-	-	BDL	-	EPA Method 8270.D

INFERENCE

Class "B" as prescribed standards with respect to Total coliforms, as per Primary Water Quality Criteria - CPCB

Designated best use - Out door bathing organized

Note: 1. The above results pertain only to the sample tested.

2. The report shall not be reproduced without the written approval of the laboratory.

3. Samples will be stored for a period of 10 days from the date of issue of report.

4. BDL - Below Detection Level in mg/L.

Scientific Assistant
Verified By

Assistant Scientific Officer
Verified By

Authorised signatory
(Raj S Gali)
Scientific Officer

KSPCB Hassan Bhuvana,
No.23 & 24 4th cross
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Industrial Area,
Bykampady,
Mangaluru-575011



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Website: kspcb.karnataka.gov.in

KARNATAKA STATE POLLUTION CONTROL BOARD REGIONAL LABORATORY

ISO 9001:2015 and ISO 45001:2018 CERTIFIED LABORATORY

ಇ ಕೆ ಪಿ ಸಿ ಬಿ ಹಸನ್ ಭುವನ,
ಘಟೆ ನಂ.23&24,
ಇಂಡಸ್ಟ್ರಿಯಲ್ ಏರಿಯಾ,
ಬೈಕಾಂಪಡ್, ಮಂಗಳೂರು,
ಕರ್ನಾಟಕ - 575011

ANALYSIS REPORT

Date : 07.04.2026

1	Station code	3562				Page : of 3	
2	Date & Time of Sample taken	Date	06.04.2026	Time	11:50	Type of Water Body	River water
3	Name of Monitoring Station	River Netravathi (Thumbay water supply station to Mangaluru city)				SAMPLE COLLECTED BY : E.O.(A/e) KSPCB RO:MANGALURU	
4	Temperature	30°C					
5	Visible Effluent Discharge in Proximity	None ✓	Moderate	High	Other	Completed by	Scientific Assistant
6	Weather	Cloudy	Clear ✓	Windy	Raining	Verified by:	Assistant Scientific Officer
7	Depth of water body (meter)	< 50 cm	50-100cm	>100 cm ✓	Flood	AGENCY:	KARNATAKA
8	Human Activities	Cattle Wading	Melon Farming	Fishing	Other None ✓	Date of commencement	07.04.2026
9	Colour	Clear ✓	Turbid	Green	Brownish Muddy Colour	Date of completion of Sample Report	05.05.2026
10	Odour	None ✓	Fishy	H2S	Other	Sample Report No.	11
11	Particulars of sample collected	River water				Sample No.	16 - 18

Sl. No	Parameters	Unit	Water Quality Criteria					Result			Test Method
			A	B	C	D	E	16	17	18	
1	pH	-	6.5-8.5	6.5-8.5	6.0-9.0	6.5-8.5	6.0-8.5	8.1	-	-	IS 3025 (Part 11):2022
2	Conductivity	µS/cm	-	-	-	-	2250	72	-	-	IS 3025 (Part 14): 2023
3	Total Coliform	MPN /100ml	50	500	5000	-	-	240	-	-	APHA 23rd edition (9221 B): 2017
4	Fecal Coliform	MPN /100ml	-	-	-	-	-	49	-	-	APHA 23rd edition (9221 E): 2017
5	Oxygen (Dissolved)	mg/l	6	5	4	4	-	7.1	-	-	APHA 23rd edition 4500-O G): 2017
6	Biochemical Oxygen Demand @ 27° C for 3 days	mg/L	2	3	3	-	-	2.3	-	-	IS 3025 (Part 44): 2023
7	Chemical Oxygen Demand	mg/L	-	-	-	-	-	14	-	-	IS 3025 (Part 58): 2023
8	Boron as B	mg/L	-	-	-	-	2	BDL	-	-	APHA 23rd edition (4500-B B): 2017
9	Nitrate as N	mg/L	-	-	-	-	-	0.04	-	-	APHA 23rd edition 4500-NO3-B: 2017
10	Ammonia as N	mg/L	-	-	-	-	-	BDL	-	-	IS 3025 (Part 34): 2023
11	Free Ammonia as N	mg/L	-	-	-	1.2	-	BDL	-	-	APHA 23rd edition 4500-NH3-D: 2017
12	Turbidity	NTU	-	-	-	-	-	6.5	-	-	IS 3025 (Part 10): 2023
13	Total Hardness as CaCO ₃	mg/L	-	-	-	-	-	20	-	-	IS 3025 (Part 21): 2023

SAMPLE COPY COPY
 (L.O.A.C) KSPCB
 RO. MANGALURU

Seit 1972 ist die Zahl der Studierenden

Sample N = 1000.

R. C. G. G.

Parameters	Unit	Water Quality Criteria					Result			Test Method
		A	B	C	D	E	(6	(7	(8	
Calcium as CaCO ₃	mg/L	-	-	-	-	-	12	-	-	IS 3025 (Part 16), 2019
Magnesium as CaCO ₃	mg/L	-	-	-	-	-	6	-	-	IS 3025 (Part 16), 2019
Chloride as Cl	mg/L	-	-	-	-	-	8	-	-	IS 3025 (Part 32), 2019
Sodium as Na	mg/L	-	-	-	-	-	6.0	-	-	IS 3025 (Part 45), 2021
Potassium as K	mg/L	-	-	-	-	-	1.0	-	-	IS 3025 (Part 45), 2021
Sulfate as SO ₄	mg/L	-	-	-	-	-	1.5	-	-	IS 3025 (Part 24), 2019
pH Alkalinity	mg/L	-	-	-	-	-	BDL	-	-	IS 3025(Part 23), 2021
Total Alkalinity as CaCO ₃	mg/L	-	-	-	-	-	26	-	-	
Bicarbonate (HCO ₃)	mg/L	-	-	-	-	-	26	-	-	
Carbonate (CO ₃)	mg/L	-	-	-	-	-	BDL	-	-	
Total Dissolved Solids	mg/L	-	-	-	-	-	46	-	-	IS 3025 (Part 16), 2019
Total Phosphate as P	mg/L	-	-	-	-	-	BDL	-	-	IS 3025 (Part 33-See 1), 2022
Fluoride as F	mg/L	-	-	-	-	-	0.2	-	-	IS 3025 (Part 60), 2023
Total Kjeldahl Nitrogen	mg/L	-	-	-	-	-	BDL	-	-	IS 3025 (Part 34), 2023
Total Suspended Solids	mg/L	-	-	-	-	-	16	-	-	IS 3025 (Part 7), 2022
Percent Sodium	%	-	-	-	-	-	37.9	-	-	By Calculation
Sodium Absorption Ratio	-	-	-	-	-	-	0.58	-	-	IS 11624, 2023
Calcium as Ca	mg/l	-	-	-	-	-	5.6	-	-	IS 3025(Part 46), 2021
Magnesium as Mg	mg/L	-	-	-	-	-	1.5	-	-	IS 3025 (Part 16), 2019
Nitrate	mg/L	-	-	-	-	-	BDL	-	-	APHA 21st edition (800-N025-D) 2017

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code		3562			Page 3 of 3	
& time of Sample taken		Date	06/04/2026	Time	11.50	Type of Water Body River water
Name of Monitoring Station		River Netravathi (Thumbay water supply station to Mangaluru city)				SAMPLE COLLECTED BY E.O.C.V. CHNSPCB RO:MANGALURU
1	Date of commencement of test	07.05.2026				Sample Report No: 11
5	Date of completion of test	05.05.2026				Sample No: 16-18
6	Particular of sample collected	River Water				

Sl. No	Parameters	Unit	Water Quality Criteria					Result			Test Method
			A	B	C	D	E	16	17	18	
34	Manganese (as Mn)	mg/l	-	-	-	-	-	-	BDL	-	APHA 23rd edition (3111B), 2017
35	Copper	mg/l	-	-	-	-	-	-	BDL	-	IS 3025 (Part 42), 2023
36	Iron	mg/l	-	-	-	-	-	-	BDL	-	IS 3025 (Part 33), 2023
37	Zinc	mg/l	-	-	-	-	-	-	BDL	-	IS 3025 (Part 49), 2023
38	Total Chromium	mg/l	-	-	-	-	-	-	BDL	-	IS 3025 (Part 52), 2023
39	Cadmium	mg/l	-	-	-	-	-	-	BDL	-	IS 3025 (Part 41), 2023
40	Nickel	mg/l	-	-	-	-	-	-	BDL	-	IS 3025 (Part 54), 2023
41	Lead	mg/l	-	-	-	-	-	-	BDL	-	IS 3025 (Part 47), 2023
42	Aldrin	µg/L	-	-	-	-	-	-	-	BDL	EPA Method 8270 D
43	Alpha BHC	µg/L	-	-	-	-	-	-	-	BDL	EPA Method 8270 D
44	Beta BHC	µg/L	-	-	-	-	-	-	-	BDL	EPA Method 8270 D
45	Delta BHC	µg/L	-	-	-	-	-	-	-	BDL	EPA Method 8270 D
46	Gamma BHC	µg/L	-	-	-	-	-	-	-	BDL	EPA Method 8270 D
47	4, 4 DDD	µg/L	-	-	-	-	-	-	-	BDL	EPA Method 8270 D
48	1, 4 DDI	µg/L	-	-	-	-	-	-	-	BDL	EPA Method 8270 D
49	4, 4 DDI	µg/L	-	-	-	-	-	-	-	BDL	EPA Method 8270 D
50	Dieldrin	µg/L	-	-	-	-	-	-	-	BDL	EPA Method 8270 D
51	Endosulfan-I (Alpha)	µg/L	-	-	-	-	-	-	-	BDL	EPA Method 8270 D
52	Endosulfan-II (Beta)	µg/L	-	-	-	-	-	-	-	BDL	EPA Method 8270 D
53	Endosulfan Sulfate	µg/L	-	-	-	-	-	-	-	BDL	EPA Method 8270 D
54	Endrin	µg/L	-	-	-	-	-	-	-	BDL	EPA Method 8270 D
55	Endrin Aldehyde	µg/L	-	-	-	-	-	-	-	BDL	EPA Method 8270 D
56	Heptachlor	µg/L	-	-	-	-	-	-	-	BDL	EPA Method 8270 D
57	Heptachlor Epoxide Isomer B	µg/L	-	-	-	-	-	-	-	BDL	EPA Method 8270 D
58	Methoxychlor	µg/L	-	-	-	-	-	-	-	BDL	EPA Method 8270 D

INFERENCE

Class " B " - to prescribed standards with respect to Total coliforms, as per Primary Water Quality Criteria - CPCB.

Designated best use - Out door bathing organized

Note: 1. The above results pertain only to the sample tested.

2. The report shall not be reproduced without the written approval of the laboratory.

3. Samples will be stored for a period of 10 days from the date of issue of report.

4. BDL: Below Detection Level in mg/L.

Scientific Assistant
Analysed By

Assistant Scientific Officer
Verified By

Authorised Signatory
(Ravi S/Gali)
Scientific Officer

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KARNATAKA STATE POLLUTION CONTROL BOARD REGIONAL LABORATORY

ISO 9001:2015 and ISO 45001:2018 CERTIFIED LABORATORY

ಕೆ.ಎಸ್.ಪಿ.ಸಿ.ಬಿ. ಪಾಲ್ಯೂಷನ್ ಲ್ಯಾಬೊರೇಟರಿ
ಫಲಾಂಗಿ, ಸಂ.23&24,
ಮಹಾನಗರ ಹತ್ತಿರದ
ಔದ್ಯೋಗಿಕ ಪ್ರದೇಶ, ಬೈಕಾಂಪಲಿ
ಮಂಗಳೂರು-575013

ANALYSIS REPORT

Date : 06.04.2026

Station No.	3563				Page 1 of 3	
Date & time of Sample taken	Date	06.04.2026	Time	12:50	Type of Water Body	River water
Name of Monitoring Station	River Netravathi U/s of Uppinangady Town before confluence with Kumaradhara River				SAMPLE COLLECTED BY T.S. SURESH	
Temperature	31°C				RO: MANGALURU	
Visible Effluent Discharge in Proximity	None ✓	Moderate	High	Other	Completed by	Scientific Assistant
Weather	Cloudy	Clear ✓	Windy	Rainy	Verified by	Assistant Scientific Officer
Depth of water body (meter)	>50 cm	50-100 cm	<100 cm	Flood	AGENCY	KARNATAKA
Human Activities	Cattle Wading	Melon Farming	Fishing	Other None ✓	Date of commencement	07.04.2026
Colour	Clear ✓	Turbid	Green	Brownish Muddy Colour	Date of completion of Sample Report No.	05.05.2026
Odour	None ✓	Fisny	HTS	Other		12
Particulates of sample collected	River water				Sample No	19 - 21

Sl. No.	Parameters	Unit	Water Quality Criteria					Result			Test Method
			A	B	C	D	E	19	20	21	
1	pH	-	6.5-8.5	6.5-8.5	6.0-9.0	6.5-8.5	6.0-8.5	8.2	-	-	IS 3025 (Part 11): 2022
2	Conductivity	µS/cm	-	-	-	-	2250	71	-	-	IS 3025 (Part 14): 2023
3	Total Coliform	NPN /100ml	50	500	5000	-	-	540	-	-	APHA 23rd edition (9221 B): 2017
4	Fecal Coliform	NPN /100ml	-	-	-	-	-	94	-	-	APHA 23rd edition (9221 E): 2017
5	Oxygen (Dissolved)	mg/l	6	5	4	4	-	6.8	-	-	APHA 23rd edition 4500-O G): 2017
6	Biochemical Oxygen Demand @ 27°C for 3 days	mg/l	2	3	3	-	-	2.6	-	-	IS 3025 (Part 44): 2023
7	Chemical Oxygen Demand	mg/l	-	-	-	-	-	16	-	-	IS 3025 (Part 58): 2023
8	Boron as B	mg/l	-	-	-	-	2	BDL	-	-	APHA 23rd edition (4500-B B): 2017
9	Nitrate as N	mg/l	-	-	-	-	-	0.63	-	-	APHA 23rd edition 4500-N03-B): 2017
10	Ammonia as N	mg/l	-	-	-	-	-	BDL	-	-	IS 3025 (Part 34): 2023
11	Free Ammonia as N	mg/l	-	-	-	1.2	-	BDL	-	-	APHA 23rd edition 4500-N03-D): 2017
12	Turbidity	NH	-	-	-	-	-	7	-	-	IS 3025 (Part 10): 2023
13	Total Hardness as CaCO ₃	mg/l	-	-	-	-	-	20	-	-	IS 3025 (Part 21): 2023

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1	Station no.	3563				Page 2 of 3	
2	Date & Time of Sample taken	Date	06.04.2026	Time	12:50	Type of Water Body	River water
3	Name of Monitoring Station	River Netravathi U/s of Uppinangady Town before confluence with Kumaradhara River				SAMPLE COLLECTED BY : E.O.(A/c) KSPCB RO:MANGALURU	
4	Date of receiving certificate of test	07.05.2026				Sample Report No. 12	
5	Date of completion of test	05.05.2026				Sample No. 19 – 21	
6	Particulars of sample collected	River Water					

Sl. No.	Parameters	Unit	Water Quality Criteria					Result			Test Method
			A	B	C	D	E	19	20	21	
14	Calcium as CaCO ₃	mg/L	-	-	-	-	-	14	-	-	IS 3025 (Part 40): 2024
15	Magnesium as CaCO ₃	mg/L	-	-	-	-	-	6	-	-	IS 3025 (Part 46): 2024
16	Chloride as Cl	mg/L	-	-	-	-	-	8	-	-	IS 3025 (Part 32): 2019
17	Sodium as Na	mg/L	-	-	-	-	-	6.0	-	-	IS 3025 (Part 43): 2024
18	Potassium as K	mg/L	-	-	-	-	-	1.0	-	-	IS 3025 (Part 45): 2024
19	Sulphate as SO ₄	mg/L	-	-	-	-	-	1.6	-	-	IS 3025 (Part 24): 2022
20	P- Alkalinity	mg/L	-	-	-	-	-	BDL	-	-	IS 3025 (Part 23): 2023
21	Total Alkalinity as CaCO ₃	mg/L	-	-	-	-	-	26	-	-	
22	Bicarbonate (HCO ₃)	mg/L	-	-	-	-	-	26	-	-	
23	Carbonate (CO ₃)	mg/L	-	-	-	-	-	BDL	-	-	
24	Total Dissolved Solids	mg/L	-	-	-	-	-	46	-	-	IS 3025 (Part 16): 2024
25	Total Phosphate as P	mg/L	-	-	-	-	-	BDL	-	-	IS 3025 (Part 31/Sec 1): 2022
26	Fluoride as F	mg/L	-	-	-	-	-	0.2	-	-	IS 3025 (Part 66): 2023
27	Total Kjeldhal Nitrogen	mg/L	-	-	-	-	-	BDL	-	-	IS 3025 (Part 44): 2023
28	Total Suspended Solids	mg/L	-	-	-	-	-	16	-	-	IS 3025 (Part 17): 2021
29	Percent Sodium	%	-	-	-	-	-	37.9	-	-	By Calculation
30	Sodium Absorption Ratio	-	-	-	-	-	-	0.58	-	-	IS 11624: 2023
31	Calcium as Ca	mg/L	-	-	-	-	-	5.6	-	-	IS 3025 (Part 40): 2024
32	Magnesium as Mg	mg/L	-	-	-	-	-	1.5	-	-	IS 3025 (Part 46): 2024
33	Nitrite	mg/L	-	-	-	-	-	BDL	-	-	APHA 23rd edition 4500-NO ₂ -D: 2017

Sl. No.	3563	Page No. 3
Address of Sample Collection	State: Karnataka District: Channarayana Taluk: Channarayana	Station Name: Channarayana
Source of Sample	River: Netravathi (at Channarayana) (downstream confluence with Kamadhara River)	Station Code: CHN/110/2365
Location of Sample	Latitude: 12° 35' 21" N Longitude: 75° 05' 30" E	Station Name: CHN/110/2365
Sample No.	08/05/2024	Sample No. 19-21
Sample Description	River Water	

Sl. No.	Parameters	Unit	Water Quality Criteria					Result			Test Method
			A	B	C	D	E	19	20	21	
1	Ammonia Nitrogen	mg/L	-	-	-	-	-	-	BDL	-	APHA 2370 (D) (in 5% HCl)
2	Aspartic Acid	mg/L	-	-	-	-	-	-	BDL	-	IS 3025 (Part 4) (2013)
3	Boric Acid	mg/L	-	-	-	-	-	-	BDL	-	IS 3025 (Part 4) (2013)
4	Bromine	mg/L	-	-	-	-	-	-	BDL	-	IS 3025 (Part 4) (2013)
5	Calcium Chloride	mg/L	-	-	-	-	-	-	BDL	-	IS 3025 (Part 4) (2013)
6	Calcium Hydroxide	mg/L	-	-	-	-	-	-	BDL	-	IS 3025 (Part 4) (2013)
7	Calcium Nitrate	mg/L	-	-	-	-	-	-	BDL	-	IS 3025 (Part 4) (2013)
8	Calcium Sulfate	mg/L	-	-	-	-	-	-	BDL	-	IS 3025 (Part 4) (2013)
9	Calcium Chloride	mg/L	-	-	-	-	-	-	BDL	-	IS 3025 (Part 4) (2013)
10	Calcium Hydroxide	mg/L	-	-	-	-	-	-	BDL	-	IS 3025 (Part 4) (2013)
11	Calcium Nitrate	mg/L	-	-	-	-	-	-	BDL	-	IS 3025 (Part 4) (2013)
12	Calcium Sulfate	mg/L	-	-	-	-	-	-	BDL	-	IS 3025 (Part 4) (2013)
13	Calcium Chloride	mg/L	-	-	-	-	-	-	BDL	-	IS 3025 (Part 4) (2013)
14	Calcium Hydroxide	mg/L	-	-	-	-	-	-	BDL	-	IS 3025 (Part 4) (2013)
15	Calcium Nitrate	mg/L	-	-	-	-	-	-	BDL	-	IS 3025 (Part 4) (2013)
16	Calcium Sulfate	mg/L	-	-	-	-	-	-	BDL	-	IS 3025 (Part 4) (2013)
17	Calcium Chloride	mg/L	-	-	-	-	-	-	BDL	-	IS 3025 (Part 4) (2013)
18	Calcium Hydroxide	mg/L	-	-	-	-	-	-	BDL	-	IS 3025 (Part 4) (2013)
19	Calcium Nitrate	mg/L	-	-	-	-	-	-	BDL	-	IS 3025 (Part 4) (2013)
20	Calcium Sulfate	mg/L	-	-	-	-	-	-	BDL	-	IS 3025 (Part 4) (2013)
21	Calcium Chloride	mg/L	-	-	-	-	-	-	BDL	-	IS 3025 (Part 4) (2013)
22	Calcium Hydroxide	mg/L	-	-	-	-	-	-	BDL	-	IS 3025 (Part 4) (2013)
23	Calcium Nitrate	mg/L	-	-	-	-	-	-	BDL	-	IS 3025 (Part 4) (2013)
24	Calcium Sulfate	mg/L	-	-	-	-	-	-	BDL	-	IS 3025 (Part 4) (2013)
25	Calcium Chloride	mg/L	-	-	-	-	-	-	BDL	-	IS 3025 (Part 4) (2013)
26	Calcium Hydroxide	mg/L	-	-	-	-	-	-	BDL	-	IS 3025 (Part 4) (2013)
27	Calcium Nitrate	mg/L	-	-	-	-	-	-	BDL	-	IS 3025 (Part 4) (2013)
28	Calcium Sulfate	mg/L	-	-	-	-	-	-	BDL	-	IS 3025 (Part 4) (2013)
29	Calcium Chloride	mg/L	-	-	-	-	-	-	BDL	-	IS 3025 (Part 4) (2013)
30	Calcium Hydroxide	mg/L	-	-	-	-	-	-	BDL	-	IS 3025 (Part 4) (2013)
31	Calcium Nitrate	mg/L	-	-	-	-	-	-	BDL	-	IS 3025 (Part 4) (2013)
32	Calcium Sulfate	mg/L	-	-	-	-	-	-	BDL	-	IS 3025 (Part 4) (2013)
33	Calcium Chloride	mg/L	-	-	-	-	-	-	BDL	-	IS 3025 (Part 4) (2013)
34	Calcium Hydroxide	mg/L	-	-	-	-	-	-	BDL	-	IS 3025 (Part 4) (2013)
35	Calcium Nitrate	mg/L	-	-	-	-	-	-	BDL	-	IS 3025 (Part 4) (2013)
36	Calcium Sulfate	mg/L	-	-	-	-	-	-	BDL	-	IS 3025 (Part 4) (2013)
37	Calcium Chloride	mg/L	-	-	-	-	-	-	BDL	-	IS 3025 (Part 4) (2013)
38	Calcium Hydroxide	mg/L	-	-	-	-	-	-	BDL	-	IS 3025 (Part 4) (2013)
39	Calcium Nitrate	mg/L	-	-	-	-	-	-	BDL	-	IS 3025 (Part 4) (2013)
40	Calcium Sulfate	mg/L	-	-	-	-	-	-	BDL	-	IS 3025 (Part 4) (2013)
41	Calcium Chloride	mg/L	-	-	-	-	-	-	BDL	-	IS 3025 (Part 4) (2013)
42	Calcium Hydroxide	mg/L	-	-	-	-	-	-	BDL	-	IS 3025 (Part 4) (2013)
43	Calcium Nitrate	mg/L	-	-	-	-	-	-	BDL	-	IS 3025 (Part 4) (2013)
44	Calcium Sulfate	mg/L	-	-	-	-	-	-	BDL	-	IS 3025 (Part 4) (2013)
45	Calcium Chloride	mg/L	-	-	-	-	-	-	BDL	-	IS 3025 (Part 4) (2013)
46	Calcium Hydroxide	mg/L	-	-	-	-	-	-	BDL	-	IS 3025 (Part 4) (2013)
47	Calcium Nitrate	mg/L	-	-	-	-	-	-	BDL	-	IS 3025 (Part 4) (2013)
48	Calcium Sulfate	mg/L	-	-	-	-	-	-	BDL	-	IS 3025 (Part 4) (2013)
49	Calcium Chloride	mg/L	-	-	-	-	-	-	BDL	-	IS 3025 (Part 4) (2013)
50	Calcium Hydroxide	mg/L	-	-	-	-	-	-	BDL	-	IS 3025 (Part 4) (2013)
51	Calcium Nitrate	mg/L	-	-	-	-	-	-	BDL	-	IS 3025 (Part 4) (2013)
52	Calcium Sulfate	mg/L	-	-	-	-	-	-	BDL	-	IS 3025 (Part 4) (2013)
53	Calcium Chloride	mg/L	-	-	-	-	-	-	BDL	-	IS 3025 (Part 4) (2013)
54	Calcium Hydroxide	mg/L	-	-	-	-	-	-	BDL	-	IS 3025 (Part 4) (2013)
55	Calcium Nitrate	mg/L	-	-	-	-	-	-	BDL	-	IS 3025 (Part 4) (2013)
56	Calcium Sulfate	mg/L	-	-	-	-	-	-	BDL	-	IS 3025 (Part 4) (2013)
57	Calcium Chloride	mg/L	-	-	-	-	-	-	BDL	-	IS 3025 (Part 4) (2013)
58	Calcium Hydroxide	mg/L	-	-	-	-	-	-	BDL	-	IS 3025 (Part 4) (2013)

INFERENCE	Class " C " - to prescribed standards with respect to Total coliforms , as per Primary Water Quality Criteria - CPCB.
	Designated best use - Drinking water source with conventional treatment followed by disinfection

- Note: 1. The above results pertain only to the sample tested.
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3. Samples will be stored for a period of 10 days from the date of issue of report.
- BDL: Below Detection Level in mg/L.

Scientific Assistant
Analysed By

Assistant Scientific Officer
Verified By

Authorised signatory
(Ravi S Gali)
Scientific Officer



KSPCB Panzara Bldg. 2nd
No 73 & 24 4th cross
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Industrial Area,
Bykampady,
Mangaluru-575011

**KARNATAKA STATE POLLUTION CONTROL BOARD
REGIONAL LABORATORY**

ISO 9001:2015 and ISO 45001:2018 CERTIFIED LABORATORY

ಕ.ರಾ.ಪಾ.ನಿ.ಮಂ "ಬಿ.ರೂ.
ಭವನ", ನಂ.23&24,
ಪಂಚಾಡಿ ಉಪ್ಪುತ ಹತ್ತಿರ
ಕೈಗಾರಿಕಾ ಪ್ರದೇಶ, ಬೈಕಾಂಬಡಿ
ಮಂಗಳೂರು - 575011

Date : 06.03.2026

1	Station code	1892				Page 1 of 2	
2	Date & time of Sample taken	Date	06.03.2026	Time	14:05	Type of Water Body	River water
3	Name of Monitoring Station	River Netravathi U/s of Dharmastala water supply intake point.				SAMPLE COLLECTED BY : L.O.(A/c) KSPCB RO:MANGALURU	
4	Temperature	29 °C					
5	Visible Effluent Discharge in Proximity	None v	Moderate	High	Other	Completed by	Scientific Assistant
6	Weather	Cloudy	Clear v	Windy	Raining	Verified by :	Assistant Scientific Officer
7	Depth of water body (meter)	< 50 cm	50-100cm	100 cm v	Flood	AGENCY:	KARNATAKA
8	Human Activities	Cattle Wading	Melon Farming	Fishing	Other None v	Date of commencement of test	07.03.2026
9	Colour	Clear v	Turbid	Green	Brownish Muddy Colour	Date of completion of test	27.03.2026
10	Odour	None v	Fishy	H ₂ S	Other	Sample Report No.	996
11	Particulars of sample collected	River water				Sample No.	1158

Sl. No	Parameters	Unit	Water Quality Criteria					Result	Test Method
			A	B	C	D	E		
1	pH	-	6.5-8.5	6.5-8.5	6.0-9.0	6.5-8.5	6.0-8.5	8.1	IS 3025 (Part 11): 2022
2	Conductivity	µS/cm	-	-	-	-	2250	67	IS 3025 (Part 14): 2023
3	Total Coliform	MPN /100ml	50	500	5000	-	-	70	APHA 23rd edition (9221-B): 2017
4	Fecal Coliform	MPN /100ml	-	-	-	-	-	11	APHA 23rd edition (9221-E): 2017
5	Oxygen (Dissolved)	mg/L	6	5	4	4	-	7.7	APHA 23rd edition 4500-O (G): 2017
6	Biochemical Oxygen Demand @ 27° C for 3 days	mg/L	2	3	3	-	-	2.0	IS 3025 (Part 44): 2023
7	Chemical Oxygen Demand	mg/L	-	-	-	-	-	12	IS 3025 (Part 58): 2023
8	Boron as B	mg/L	-	-	-	-	2	BDL	APHA 23rd edition (4500-B B): 2017
9	Nitrate as N	mg/L	-	-	-	-	-	0.10	APHA 23rd edition 4500-NO3-B: 2017
10	Ammonia as N	mg/L	-	-	-	-	-	BDL	IS 3025 (Part 34): 2023
11	Free Ammonia as N	mg/L	-	-	-	1.2	-	BDL	APHA 23rd edition 4500-NH3-D: 2017
12	Turbidity	NTU	-	-	-	-	-	4	IS 3025 (Part 10): 2023
13	Total Hardness as CaCO ₃	mg/L	-	-	-	-	-	20	IS 3025 (Part 21): 2023

1	Station code	1892				Page: 1 of 1	
2	Date & time of Sample taken	Date	07/03/2026	Time	14:02	Flow of Water Boas	River
3	Name of Monitoring Station	River Nerravathi Us of Dharmastala water supply intake point.				SAMPLE COLLECTED BY : OJAYAKSPOB RO: MANGALURU	
4	Date of commencement test	07/03/2026				Sample Report No. 996	
5	Date of completion of test	27/03/2026				Sample No. 1158	
6	Particulars of sample collected	River Water					

Sl. No.	Parameters	Unit	Water Quality Criteria					Result	Test Method
			A	B	C	D	E		
14	Calcium as CaCO ₃	mg/L	-	-	-	-	-	11	IS 3025 (Part 40): 2024
15	Magnesium as CaCO ₃	mg/L	-	-	-	-	-	6	IS 3025 (Part 46): 2023
16	Chloride as Cl ⁻	mg/L	-	-	-	-	-	8	IS 3025 (Part 32): 2019
17	Sodium as Na	mg/L	-	-	-	-	-	5.0	IS 3025 (Part 45): 2024
18	Potassium as K	mg/L	-	-	-	-	-	4.0	IS 3025 (Part 45): 2023
19	Sulphate as SO ₄	mg/L	-	-	-	-	-	1.2	IS 3025 (Part 24): 2022
20	pH Alkalinity	mg/L	-	-	-	-	-	BDL	IS 3025 (Part 23): 2023
21	Total Alkalinity as CaCO ₃	mg/L	-	-	-	-	-	24	
22	Bicarbonate (HCO ₃ ⁻)	mg/L	-	-	-	-	-	24	
23	Carbonate (CO ₃ ²⁻)	mg/L	-	-	-	-	-	BDL	
24	Total Dissolved Solids	mg/L	-	-	-	-	-	44	IS 3025 (Part 16): 2023
25	Total Phosphate as P	mg/L	-	-	-	-	-	BDL	IS 3025 (Part 31, Sec 1): 2022
26	Fluoride as F ⁻	mg/L	-	-	-	-	-	0.2	IS 3025 (Part 60): 2023
27	Total Kjeldahl Nitrogen	mg/L	-	-	-	-	-	BDL	IS 3025 (Part 34): 2023
28	Total Suspended Solids	mg/L	-	-	-	-	-	10	IS 3025 (Part 17): 2022
29	Percent Sodium	%	-	-	-	-	-	33.7	By Calculation
30	Sodium Absorption Ratio	-	-	-	-	-	-	0.49	IS 11624: 2023
31	Calcium as Ca	mg/L	-	-	-	-	-	5.6	IS 3025 (Part 40): 2024
32	Magnesium as Mg	mg/L	-	-	-	-	-	1.5	IS 3025 (Part 46): 2023
33	Nitrite	mg/L	-	-	-	-	-	BDL	APHA 23rd edition 4500-NO ₂ -D: 2017
INFERENCE		Class " B " - to prescribed standards with respect to Total Coliforms as per Primary Water Quality Criteria - CPCB							
		Designated best use - Out door bathing organized							

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4. BDL: Below Detection Level in mg/L.

Scientific Assistant
Analysed By

Assistant Scientific Officer
Verified By

Authorised signatory
(Ravi S Gali)
Scientific Officer

-----End of Report-----


 KSPCB Perimeter Office
 No. 25 & 24, 1st cross
 Near ISI Hospital
 Industrial Area
 Bykampady,
 Mangaluru 575011

**KARNATAKA STATE POLLUTION CONTROL BOARD
 REGIONAL LABORATORY**
ISO 9001:2015 and ISO 45001:2018 CERTIFIED LABORATORY

 ಕರ್ನಾಟಕ ರಾಜ್ಯದ "ಪರಿಸರ
 ಭರಣಿ", ಸಂ.23&24,
 ಇವರವರ ಅಧಿಕೃತ ಆಸ್ಥೆ
 ಕೈಗಾರಿಕಾ ಪ್ರದೇಶ, ಬೈಕಾಂಪಡಿ,
 ಮಂಗಳೂರು 575011

1	Station code	1894				Date : 06/03/2026	
2	Date & time of Sample taken	Date	06/03/2026	Time	16:05	Type of Water Body	River water
3	Name of Monitoring Station	River Kumaradhara U/s of Eppinangady Town before confluence with Netravathi river.				SAMPLE COLLECTED BY : T.O.A of KSPCB RO:MANGALURI	
4	Temperature	28 C				Completed by	
5	Visible Effluent Discharge in Proximity	None x	Moderate	High	Other	Scientific Assistant	
6	Weather	Cloudy x	Clear	Windy	Raining	Verified by	Assistant Scientific Officer
7	Depth of water body (meter)	< 50 cm	50-100cm	>100 cm x	Flood	AGENCY	KARNATAKA
8	Human Activities	Cattle Wading	Melon Farming	Fishing	Other None x	Date of commencement of test	07.03.2026
9	Colour	Clear x	Turbid	Green	Brownish Muddy Colour	Date of completion of test	27.03.2026
10	Odour	None x	Fishy	H2S	Other	Sample Report No.	997
11	Particulars of sample collected	River water				Sample No.	1159

Parameters	Unit	Water Quality Criteria					Result	Test Method
		A	B	C	D	E		
pH	-	6.5-8.5	6.5-8.5	6.0-9.0	6.5-8.5	6.0-8.5	7.9	IS 3025 (Part 41): 2022
Conductivity	$\mu S/cm$	-	-	-	-	2250	66	IS 3025 (Part 14): 2023
Total Coliform	MPN /100ml	50	500	5000	-	-	170	APHA 23rd edition (9221-B): 2017
Fecal Coliform	MPN /100ml	-	-	-	-	-	26	APHA 23rd edition (9221-E): 2017
Oxygen (Dissolved)	mg/L	6	5	4	4	-	7.8	APHA 23rd edition 4500-O-G: 2017
Biochemical Oxygen Demand @ 27° C for 3 days	mg/L	2	3	3	-	-	1.8	IS 3025 (Part 44): 2023
Chemical Oxygen Demand	mg/L	-	-	-	-	-	10	IS 3025 (Part 58): 2023
Boron as B	mg/L	-	-	-	-	2	BDL	APHA 23rd edition (4500-B-B): 2017
Nitrate as N	mg/L	-	-	-	-	-	0.080	APHA 23rd edition 4500-NO3-B: 2017
Ammonia as N	mg/L	-	-	-	-	-	BDL	IS 3025 (Part 34): 2023
Free Ammonia as N	mg/L	-	-	-	1.2	-	BDL	APHA 23rd edition 4500-NH3-D: 2017
Turbidity	NTU	-	-	-	-	-	5	IS 3025 (Part 10): 2023
Total Hardness as CaCO ₃	mg/L	-	-	-	-	-	16	IS 3025 (Part 21): 2023

1. Station code	1894	Page No. 1
2. Date & time of Sample Collection	26/05/2024	Time of Day: 10:00 AM
3. Name of the Sampling Station	River Kumaradhara US of Uppanorgady Town below confluence with Netravathi river	SAMPLE COLLECTED BY: R. S. GALI LABORATORY: KSPCB RO, MANGALURI
4. Date of sample receipt at lab	07/05/2026	Sample Report No.: 997
5. Date of sample dispatch request	27/05/2026	Sample No.: 1159
6. Parameter to be tested	River Water	
7. Collected by		

Sl. No.	Parameters	Unit	Water Quality Criteria					Result	Test Method
			A	B	C	D	E		
14	Calcium as CaCO ₃	mg/L	-	-	-	-	-	10	IS 3025 (Part 46): 2023
15	Magnesium as CaCO ₃	mg/L	-	-	-	-	-	6	IS 3025 (Part 46): 2023
16	Chloride as Cl ⁻	mg/L	-	-	-	-	-	10	IS 3025 (Part 33): 2023
17	Sodium as Na	mg/L	-	-	-	-	-	10	IS 3025 (Part 33): 2023
18	Potassium as K	mg/L	-	-	-	-	-	1.0	IS 3025 (Part 45): 2023
19	Sulphate as SO ₄	mg/L	-	-	-	-	-	100	IS 3025 (Part 24): 2023
20	pH Alkalinity	mg/L	-	-	-	-	-	BDL	IS 3025 (Part 33): 2023
21	Total Alkalinity as CaCO ₃	mg/L	-	-	-	-	-	20	
22	Bicarbonate (HCO ₃)	mg/L	-	-	-	-	-	20	
23	Carbonate (CO ₃)	mg/L	-	-	-	-	-	BDL	
24	Total Dissolved Solids	mg/L	-	-	-	-	-	12	IS 3025 (Part 16): 2023
25	Total Phosphate as P	mg/L	-	-	-	-	-	BDL	IS 3025 (Part 31) Sec 11: 2022
26	Fluoride as F	mg/L	-	-	-	-	-	0.2	IS 3025 (Part 66): 2023
27	Total Kjeldhal Nitrogen	mg/L	-	-	-	-	-	BDL	IS 3025 (Part 31): 2023
28	Total Suspended Solids	mg/L	-	-	-	-	-	8	IS 3025 (Part 17): 2023
29	Percent Sodium	%	-	-	-	-	-	16.6	By Calculation
30	Sodium Absorption Ratio	-	-	-	-	-	-	0.76	IS 11624: 2023
31	Calcium as Ca	mg/L	-	-	-	-	-	4	IS 3025 (Part 40): 2024
32	Magnesium as Mg	mg/L	-	-	-	-	-	1.5	IS 3025 (Part 46): 2023
33	Nitrite	mg/L	-	-	-	-	-	BDL	APHA 23rd edition 4500-NO ₂ -D: 2017

INFERENCE	Class " B " : to prescribed standards with respect to Total Coliform , as per Primary Water								
	Quality Criteria - CPCB,								
	Designated best use - Our door bathing organized								

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4. BDL : Below Detection Level in mg/L.

Scientific Assistant
Analysed By

Assistant Scientific Officer
Verified By

Authorised signatory
(Ravi S Gali)
Scientific Officer



99

KSPCB Putanna Bhavana,
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Bykampady
Mangaluru 575011KARNATAKA STATE POLLUTION CONTROL BOARD
REGIONAL LABORATORY
ISO 9001:2015 and ISO 45001:2018 CERTIFIED LABORATORYಕ.ರಾ.ಮಾ.ನಿ.ಮು. "ಪರಿಸರ
ರಕ್ಷಣೆ", ನಂ.23&24,
ಪುಟಾಣಿ ಕಟ್ಟಡ ಬಳಿ,
ಕೈಗಾರಿಕಾ ಪ್ರದೇಶ, ಬೈಕಾಪಡಿ
ಮಂಗಳೂರು - 575011

Date : 7 APR 2026

1	Station code	3562				Page 1 of 2	
2	Date & time of Sample taken	Date	06.03.2026	Time	11:40	Type of Water Body	River water
3	Name of Monitoring Station	River Netravathi (Thumbay water supply station to Mangaluru city)				SAMPLE COLLECTED BY - E.O.(A/c) KSPCB RO:MANGALURU	
4	Temperature	32 C					
5	Visible Effluent Discharge in Proximity	None ✓	Moderate	High	Other	Completed by	Scientific Assistant
6	Weather	Cloudy ✓	Clear	Windy	Raining	Verified by:	Assistant Scientific Officer
7	Depth of water body (meter)	50 cm	50-100cm	>100 cm ✓	Flood	AGENCY:	KARNATAKA
8	Human Activities	Cattle Wading	Melon Farming	Fishing	Other None ✓	Date of commencement of test	07.03.2026
9	Colour	Clear ✓	Turbid	Green	Brownish / Muddy Colour	Date of completion of test	27.03.2026
10	Odour	None ✓	Fishy	H ₂ S	Other	Sample Report No.	998
11	Particulars of sample collected	River water				Sample No.	1160

Sl. No	Parameters	Unit	Water Quality Criteria					Result	Test Method
			A	B	C	D	E		
1	pH	-	6.5-8.5	6.5-8.5	6.0-9.0	6.5-8.5	6.0-8.5	7.9	IS 3025 (Part 11):2022
2	Conductivity	µS/cm	-	-	-	-	2250	68	IS 3025 (Part 14): 2023
3	Total Coliform	MPN /100ml	50	500	5000	-	-	170	APHA 23rd edition (9221 B): 2017
4	Fecal Coliform	MPN /100ml	-	-	-	-	-	20	APHA 23rd edition (9221 E): 2017
5	Oxygen (Dissolved)	mg/L	6	5	4	4	-	7.9	APHA 23rd edition 4500-O G): 2017
6	Biochemical Oxygen Demand @ 27 °C for 3 days	mg/L	2	3	3	-	-	2.0	IS 3025 (Part 44): 2023
7	Chemical Oxygen Demand	mg/L	-	-	-	-	-	12	IS 3025 (Part 58): 2023
8	Boron as B	mg/L	-	-	-	-	2	BDL	APHA 23rd edition (4500-B B): 2017
9	Nitrate as N	mg/L	-	-	-	-	-	0.13	APHA 23rd edition 4500-NO3-B): 2017
10	Ammonia as N	mg/L	-	-	-	-	-	BDL	IS 3025 (Part 34): 2023
11	Free Ammonia as N	mg/L	-	-	-	1.2	-	BDL	APHA 23rd edition 4500-NH3-D): 2017
12	Turbidity	NTU	-	-	-	-	-	5.5	IS 3025 (Part 10): 2023
13	Total Hardness as CaCO ₃	mg/L	-	-	-	-	-	18	IS 3025 (Part 21): 2023

1. State Code	3562	Page No. 2
2. Date & Time of Sample Collection	Date: 06/05/2024	Time: 11:00 AM
3. Name of Monitoring Station	River Netravathi (Drinking water supply station) Mangaluru city.	ISAMP-774110-10 BY: HANUMKESKPB
4. Date of commencement of test	06/05/2024	RO: MANGALURI
5. Date of completion of test	07/05/2024	Sample Report No: 998
6. Name of the sample	River Water	Station No: 1160

Sl. No	Parameters	Unit	Water Quality Criteria					Result	Test Method
			A	B	C	D	E		
7	Calcium as CaCO ₃	mg/l	-	-	-	-	-	12	IS 3025 (Part 40): 2012
8	Magnesium as CaCO ₃	mg/l	-	-	-	-	-	6	IS 3025 (Part 40): 2012
9	Chloride as Cl ⁻	mg/l	-	-	-	-	-	8	IS 3025 (Part 32): 2012
17	Sodium as Na ⁺	mg/l	-	-	-	-	-	6.0	IS 3025 (Part 45): 2024
18	Potassium as K ⁺	mg/l	-	-	-	-	-	1.0	IS 3025 (Part 45): 2024
19	Sulphate as SO ₄ ²⁻	mg/l	-	-	-	-	-	1.1	IS 3025 (Part 24): 2012
20	pH Alkalinity	mg/l	-	-	-	-	-	BDL	
21	Total Alkalinity as CaCO ₃	mg/l	-	-	-	-	-	2.5	IS 3025 (Part 23): 2012
22	Bicarbonate (HCO ₃ ⁻)	mg/l	-	-	-	-	-	2.1	
23	Carbonate (CO ₃ ²⁻)	mg/l	-	-	-	-	-	BDL	
24	Total Dissolved Solids	mg/l	-	-	-	-	-	41	IS 3025 (Part 16): 2023
25	Total Phosphate as P	mg/l	-	-	-	-	-	BDL	IS 3025 (Part 31 Sec 1): 2022
26	Fluoride as F ⁻	mg/l	-	-	-	-	-	0.2	IS 3025 (Part 60): 2023
27	Total Kjeldhal Nitrogen	mg/l	-	-	-	-	-	BDL	IS 3025 (Part 34): 2023
28	Total Suspended Solids	mg/l	-	-	-	-	-	10	IS 3025 (Part 17): 2023
29	Percent Sodium	%	-	-	-	-	-	40.5	By Calculation
30	Sodium Absorption Ratio	-	-	-	-	-	-	0.62	IS 11624: 2023
31	Calcium as Ca	mg/l	-	-	-	-	-	4.8	IS 3025 (Part 40): 2024
32	Magnesium as Mg	mg/l	-	-	-	-	-	1.5	IS 3025 (Part 46): 2023
33	Nitrite	mg/l	-	-	-	-	-	BDL	APHA 23rd edition 4500-NO2-D: 2017
INFERENCE		Class " B " - to prescribed standards with respect to Total Coliform , as per Primary Water Quality Criteria - CPCB.							
		Designated best use - Out door bathing organized.							

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4. BDL: Below Detection Level in mg/l.

Scientific Assistant
Analysed By

Assistant Scientific Officer
Verified By

Authorised Signatory
(Ravi S Gali)
Scientific Officer

-----End of Report-----



KSPCB Pollum Bhavan
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Industrial Area
Bykampady,
Mangaluru 575011

KARNATAKA STATE POLLUTION CONTROL BOARD REGIONAL LABORATORY

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ಕರ್ನಾಟಕ ಸರ್ಕಾರ
ಭವನ, ಅಂ.23&24,
ಇಸಿ ಹಾಸ್ಟಲ್ ಹತ್ತಿರ
ಶೈಕ್ಷಣಿಕ ಪ್ರದೇಶ, ಬೈಕಾಂಬಡು
ಮಂಗಳೂರು -575011

Date : 07.03.2026

1	Station code	3563				Page 1 of 2		
2	Date & time of Sample taken	Date	06.03.2026		Time	15:45	Type of Water Body	River water
3	Name of Monitoring Station	River Netravathi U/s of Uppinangady Town before confluence with Kumaradhara River					SAMPLE COLLECTED BY I. O.(A/c) KSPCB RO:MANGALURU	
4	Temperature	28 C						
5	Visible Effluent Discharge in Proximity	None ✓	Moderate	High	Other	Completed by	Scientific Assistant	
6	Weather	Cloudy ✓	Clear	Windy	Raining	Verified by:	Assistant Scientific Officer	
7	Depth of water body (meter)	< 50 cm	50-100cm ✓	>100 cm	Flood	AGENCY:	KARNATAKA	
8	Human Activities	Cattle Wading	Melon Farming	Human Bathing	Other None ✓	Date of commencement of test	07.03.2026	
9	Colour	Clear ✓	Turbid	Green	Brownish Muddy Colour	Date of completion of test	27.03.2026	
10	Odour	None ✓	Fishy	H ₂ S	Other	Sample Report No.	999	
11	Particulars of sample collected	River water					Sample No.	1161

Sl. No	Parameters	Unit	Water Quality Criteria					Result	Test Method
			A	B	C	D	E		
1	pH	-	6.5-8.5	6.5-8.5	6.0-9.0	6.5-8.5	6.0-8.5	7.7	IS 3025 (Part 11):2022
2	Conductivity	µS/cm	-	-	-	-	2250	64	IS 3025 (Part 14): 2023
3	Total Coliform	MPN /100ml	50	500	5000	-	-	210	APHA 23rd edition (9221-B): 2017
4	Fecal Coliform	MPN /100ml	-	-	-	-	-	26	APHA 23rd edition (9221-E): 2017
5	Oxygen (Dissolved)	mg/L	6	5	4	4	-	7.6	APHA 23rd edition 4500-O (G): 2017
6	Biochemical Oxygen Demand at 27° C for 3 days	mg/L	2	3	3	-	-	2.2	IS 3025 (Part 44): 2023
7	Chemical Oxygen Demand	mg/L	-	-	-	-	-	13	IS 3025 (Part 58): 2023
8	Boron as B	mg/L	-	-	-	-	2	BDL	APHA 23rd edition (4500-B B): 2017
9	Nitrate as N	mg/L	-	-	-	-	-	0.07	APHA 23rd edition 4500-NO3-B: 2017
10	Ammonia as N	mg/L	-	-	-	-	-	BDL	IS 3025 (Part 34): 2023
11	Free Ammonia as N	mg/L	-	-	-	1.2	-	BDL	APHA 23rd edition 4500-NH3-D: 2017
12	Turbidity	NTU	-	-	-	-	-	6	IS 3025 (Part 10): 2023
13	Total Hardness as CaCO ₃	mg/L	-	-	-	-	-	18	IS 3025 (Part 21): 2023

Station code	3563	Page No. 2
Date & time of sampling	Dec 25, 2024	Time 2:00 PM
Name of Monitoring Station	River Narmada Ls of Uppinangady 1 km before confluence with Kamradhara River	ISMP/CO/CLC/7-D BY H. OIA/CLKSPCB RO-MANGALURI
Date of commencement of test	25/12/2024	Sample Report No. 999
Date of completion of test	27/12/2024	Sample No. 1161
Particulars of sample collected	River Water	

Sl. No.	Parameters	Unit	Water Quality Criteria					Result	Test Method
			A	B	C	D	E		
14	Calcium as CaCO ₃	mg/l	-	-	-	-	-	1	IS 3025 (Part 10): 2024
15	Magnesium as CaCO ₃	mg/l	-	-	-	-	-	6	IS 3025 (Part 46): 202
16	Chloride as Cl	mg/l	-	-	-	-	-	8	IS 3025 (Part 32): 2019
17	Sodium as Na	mg/l	-	-	-	-	-	5.0	IS 3025 (Part 45): 2024
18	Potassium as K	mg/l	-	-	-	-	-	1.0	IS 3025 (Part 45): 2024
19	Sulphate as SO ₄	mg/l	-	-	-	-	-	1.10	IS 3025 (Part 24): 202
20	pH Alkalinity	mg/l	-	-	-	-	-	BDL	
21	Total Alkalinity as CaCO ₃	mg/l	-	-	-	-	-	22	IS 3025 (Part 23): 2023
22	Bicarbonate (HCO ₃)	mg/l	-	-	-	-	-	22	
23	Carbonate (CO ₃)	mg/l	-	-	-	-	-	BDL	
24	Total Dissolved Solids	mg/l	-	-	-	-	-	42	IS 3025 (Part 16): 2023
25	Total Phosphate as P	mg/l	-	-	-	-	-	BDL	IS 3025 (Part 31) Sec 1: 5pp
26	Fluoride as F	mg/l	-	-	-	-	-	0.3	IS 3025 (Part 60): 2023
27	Total Kjeldhal Nitrogen	mg/l	-	-	-	-	-	BDL	IS 3025 (Part 34): 2023
28	Total Suspended Solids	mg/l	-	-	-	-	-	14	IS 3025 (Part 17): 2022
29	Percent Sodium	%	-	-	-	-	-	35.9	By Calculation
30	Sodium Absorption Ratio	-	-	-	-	-	-	0.51	IS 11624: 2023
1	Chlorine as Cl	mg/l	-	-	-	-	-	4.8	IS 3025 (Part 40): 2024
2	Magnesium as Mg	mg/l	-	-	-	-	-	1.5	IS 3025 (Part 46): 2023
3	Nitrite	mg/l	-	-	-	-	-	BDL	APHA 23rd edition 4500-NO ₂ -D: 2017
INFERENCE		Class " B " - to prescribed standards with respect to Total Coliform, as per Primary Water Quality Criteria - CPCB.							
		Designated best use - Out door bathing organized							

- Notes: 1. The above results pertain only to the sample tested.
 2. The report shall not be reproduced without the written approval of the laboratory.
 3. Samples will be stored for a period of 10 days from the date of issue of report.
 4. BDL: Below Detection Level in mg/L.

Scientific Assistant
Ankush Chakraborty

Assistant Scientific Officer
Verified By

Authorised Signatory
(Ravi S Gali)
Scientific Officer

— End of Report —

NO. 2023-2024
KARNATAKA STATE POLLUTION CONTROL BOARD
REGIONAL LABORATORY
ISO 9001:2015 and ISO 45001:2018 CERTIFIED LABORATORY

KARNATAKA STATE POLLUTION CONTROL BOARD
REGIONAL LABORATORY

ISO 9001:2015 and ISO 45001:2018 CERTIFIED LABORATORY

2023-2024
KARNATAKA STATE POLLUTION CONTROL BOARD
REGIONAL LABORATORY
ISO 9001:2015 and ISO 45001:2018 CERTIFIED LABORATORY

Date :

04.02.2026

1	Station code	1892	Page 1 of 2				
2	Date & time of Sample taken	Date	04.02.2026	Time	14.45	Type of Water Body	River water
3	Name of Monitoring station	River Netravathi U/s of Dharmastala water supply intake point.				SAMPLE COLLECTED BY L.O (A/c) KSPCB RD:MANGALURI	
4	Temperature	30 C					
5	Visible Effluent Discharge in Proximity	None	Moderate	High	Other	Completed by	Scientific Assistant
6	Weather	Cloudy	Clear	Windy	Raining	Verified by	Assistant Scientific Officer
7	Depth of water body (meter)	50 cm	50-100cm	100 cm	Flow	AGENCY :	KARNATAKA
8	Human Activities	Cattle Wading	Melon Farming	Fishing	Other / None	Date of commencement of test	05.02.2026
9	Colour	Clear	Turbid	Green	Brownish Muddy Colour	Date of completion of test	25.02.2026
10	Odour	None	Fishy	H2S	Other	Sample Report No.	959
11	Particulars of sample collected	River water				Sample No	1066

Sl. No	Parameters	Unit	Water Quality Criteria					Result	Test Method
			A	B	C	D	E		
1	pH	-	6.5-8.5	6.5-8.5	6.0-9.0	6.5-8.5	6.0-8.5	8.2	IS 3025 (Part 11):2022
2	Conductivity	uS/cm	-	-	-	-	2250	60	IS 3025 (Part 11):2022
3	Total Coliform	MPN/100ml	50	500	5000	-	-	79	APHA 23rd edition (9221-B):2017
4	Fecal Coliform	MPN/100ml	-	-	-	-	-	9.2	APHA 23rd edition (9221-B):2017
5	Oxygen (Dissolved)	mg/l	6	5	4	4	-	7.8	APHA 23rd edition 4500-DO-G:2017
6	Biochemical Oxygen Demand @ 27°C for 3 days	mg/l	2	3	3	-	-	1.8	IS 3025 (Part 41):2022
7	Chemical Oxygen Demand	mg/l	-	-	-	-	-	10	IS 3025 (Part 58):2023
8	Boron as B	mg/l	-	-	-	-	2	BDL	APHA 23rd edition 4500-B-B:2017
9	Nitrate as N	mg/L	-	-	-	-	-	0.08	APHA 23rd edition 4500-NO3-B:2017
10	Ammonia as N	mg/L	-	-	-	-	-	BDL	IS 3025 (Part 54):2023
11	Free Ammonia as N	mg/l	-	-	-	1.2	-	BDL	APHA 23rd edition 4500-NH3-D:2017
12	Turbidity	N.T.U	-	-	-	-	-	1.6	IS 3025 (Part 10):2023
13	Total Hardness as CaCO3	mg/l	-	-	-	-	-	16	IS 3025 (Part 21):2023

Station No.

1892

Date

Order No.

Client Name

Location

State

Contaminant Name

River Narmada (1) of Dhamasana water supply intake point

SANITIZATION OF PUBLIC PLACES ACT, 1987

RO-MANGALURI

Sample No.

SL-116-1066

1892

20.06.2022

Water

Sl. No.	Parameters	Unit	Water Quality Criteria					Result	Test Method
			A	B	C	D	E		
1	Total Hardness (CaCO ₃)	mg/l	-	-	-	-	-	10	IS 3025 (Part 46) 2012
2	Calcium Hardness (CaCO ₃)	mg/l	-	-	-	-	-	7	IS 3025 (Part 46) 2012
3	Magnesium Hardness (CaCO ₃)	mg/l	-	-	-	-	-	8	IS 3025 (Part 46) 2012
4	Sodium (Na)	mg/l	-	-	-	-	-	5.0	IS 3025 (Part 46) 2012
5	Potassium (K)	mg/l	-	-	-	-	-	1.0	IS 3025 (Part 46) 2012
6	Sulphate (SO ₄)	mg/l	-	-	-	-	-	2.0	IS 3025 (Part 46) 2012
7	Chloride (Cl)	mg/l	-	-	-	-	-	BDL	IS 3025 (Part 46) 2012
8	Total Alkalinity as CaCO ₃	mg/l	-	-	-	-	-	18	IS 3025 (Part 23) 2012
9	Bicarbonate (HCO ₃)	mg/l	-	-	-	-	-	18	IS 3025 (Part 23) 2012
10	Carbonate (CO ₃)	mg/l	-	-	-	-	-	BDL	IS 3025 (Part 23) 2012
11	Total Dissolved Solids	mg/l	-	-	-	-	-	50	IS 3025 (Part 19) 2012
12	Total Phosphate (P)	mg/l	-	-	-	-	-	0.01	IS 3025 (Part 31) 2012
13	Total Nitrate	mg/l	-	-	-	-	-	0.2	IS 3025 (Part 36) 2012
14	Total Kjeldahl Nitrogen	mg/l	-	-	-	-	-	BDL	IS 3025 (Part 34) 2012
15	Total Suspended Solids	mg/l	-	-	-	-	-	8	IS 3025 (Part 17) 2012
16	Percent Sodium	%	-	-	-	-	-	38.1	IS 3025 (Part 17) 2012
17	Sodium Absorption Ratio	-	-	-	-	-	-	0.54	IS 3025 (Part 24) 2012
18	Calcium as Ca	mg/l	-	-	-	-	-	4.0	IS 3025 (Part 40) 2012
19	Magnesium as Mg	mg/l	-	-	-	-	-	1.2	IS 3025 (Part 46) 2012
20	Nitrite	mg/l	-	-	-	-	-	BDL	APHA 25th edition 4500-NO2+O 2017

Class "B" to prescribed standards with respect to Total Coliforms as per Primary Water Quality Criteria - CPCB

Designated best use - Out door bathing organized

INFERENCE

1. The report shall not be reproduced without the written approval of the Laboratory.
2. Samples will be stored for a period of 10 days from the date of issue of report.
3. BDL - Below Detection Level in mg/l.

Scientific Assistant
V. J. S. S. S.

Assistant Scientific Officer
Verified By

Authorised signatory
(Ravi S. Gali)
Scientific Officer

93

REGD. NO. 101/2019
ISO 9001:2015
REGD. NO. 102/2019
ISO 45001:2018
MANGALORE, KARNATAKA

NAME OF THE
LABORATORY
REGIONAL LAB
BANGALORE
KARNATAKA

**KARNATAKA STATE POLLUTION CONTROL BOARD
REGIONAL LABORATORY
ISO 9001:2015 and ISO 45001:2018 CERTIFIED LABORATORY**

Date: 05 MAR 2026

1	Station code	1894				Page 1 of 2	
2	Date & time of Sample taken	Date	04.02.2026	Time	09:50	Type of Water Body	River water
3	Name of Monitoring Station	River Kumaradhara U/s of Uppinangady Town before confluence with Netravathi river.				SAMPLE COLLECTED BY E.O.(A/c) KSPCB RO:MANGALURU	
4	Temperature	29 C					
5	Visible Effluent Discharge in Proximity	None ✓	Moderate	High	Other	Completed by	Scientific Assistant
6	Weather	Cloudy	Clear ✓	Windy	Raining	Verified by:	Assistant Scientific Officer
7	Depth of water body (meter)	< 50 cm	50-100cm	>100 cm ✓	Flood	AGENCY:	KARNATAKA
8	Human Activities	Cattle Wading	Melon Farming	Fishing	Other None ✓	Date of commencement of test	05.02.2026
9	Colour	Clear ✓	Turbid	Green	Brownish Muddy Colour	Date of completion of test	25.02.2026
10	Odour	None ✓	Fishy	H2S	Other	Sample Report No.	960
11	Particulars of sample collected	River water				Sample No.	1067

Sl. No	Parameters	Unit	Water Quality Criteria					Result	Test Method
			A	B	C	D	E		
1	pH	-	6.5-8.5	6.5-8.5	6.0-9.0	6.5-8.5	6.0-8.5	8.2	IS 3025 (Part 11): 2022
2	Conductivity	µS/cm	-	-	-	-	2250	58	IS 3025 (Part 14): 2023
3	Total Coliform	MPN/100ml	50	500	5000	-	-	84	APHA 23rd edition (9221-B): 2017
4	Fecal Coliform	MPN/100ml	-	-	-	-	-	9.1	APHA 23rd edition (9221-C): 2017
5	Oxygen (Dissolved)	mg/L	6	5	4	4	-	7.6	APHA 23rd edition 4500-O Cl: 2017
6	Biochemical Oxygen Demand @ 27° C for 3 days	mg/L	2	3	3	-	-	2.0	IS 3025 (Part 44): 2023
7	Chemical Oxygen Demand	mg/L	-	-	-	-	-	12	IS 3025 (Part 58): 2023
8	Boron as B	mg/L	-	-	-	-	2	BDL	APHA 23rd edition (4500-B B): 2017
9	Nitrate as N	mg/l	-	-	-	-	-	0.030	APHA 23rd edition 4500-NO3-B: 2017
10	Ammonia as N	mg/l	-	-	-	-	-	BDL	IS 3025 (Part 34): 2023
11	Free Ammonia as N	mg/L	-	-	-	1.2	-	BDL	APHA 23rd edition 4500-NH3-D: 2017
12	Turbidity	NTU	-	-	-	-	-	6.6	IS 3025 (Part 10): 2023
13	Total Hardness as CaCO ₃	mg/L	-	-	-	-	-	14	IS 3025 (Part 21): 2023

index

$$|R(\gamma) \setminus \gamma| \leq |R(\gamma) \cap \gamma| + |\mathcal{R}|$$
$$N_{\text{eff}} = 1.5 \left(\frac{h}{100} \right)^2 \left(\frac{\Omega_{\text{eff}}}{0.1} \right) \quad (9.1)$$

Sample No. 1467

$$K_{\text{eff}} = 3.4 \times 10^4$$

Parameters	Unit	Water Quality Criteria					Result	Test Method
		A	B	C	D	E		
Dissolved Oxygen (DO)	mg/l	-	-	-	-	-	9	IS 3025 (Part 46), 2023
Total Dissolved Solids (TDS)	mg/l	-	-	-	-	-	8	IS 3025 (Part 46), 2023
Calcium (Ca)	mg/l	-	-	-	-	-	8	IS 3025 (Part 46), 2023
Sulfate (as SO ₄)	mg/l	-	-	-	-	-	6.0	IS 3025 (Part 46), 2023
Chloride (as Cl)	mg/l	-	-	-	-	-	1.5	IS 3025 (Part 46), 2023
Sulfate + Chloride	mg/l	-	-	-	-	-	2.10	IS 3025 (Part 46), 2023
Phosphate (PO ₄)	mg/l	-	-	-	-	-	3.00	-
Total Alkalinity (as CaCO ₃)	mg/l	-	-	-	-	-	8	-
Free Chlorine (Cl ₂)	mg/l	-	-	-	-	-	18	IS 3025 (Part 46), 2023
Carbonate (CO ₃)	mg/l	-	-	-	-	-	3.00	-
Total Dissolved Solids	mg/l	-	-	-	-	-	38	IS 3025 (Part 46), 2023
Residual Chlorine (RCL)	mg/l	-	-	-	-	-	0.40	IS 3025 (Part 46), 2023
Ammonia Nitrogen	mg/l	-	-	-	-	-	0.05	IS 3025 (Part 46), 2023
Total Kjeldahl Nitrogen	mg/l	-	-	-	-	-	3.00	IS 3025 (Part 46), 2023
Total Suspended Solids	mg/l	-	-	-	-	-	10	IS 3025 (Part 46), 2023
Free Chlorine	mg/l	-	-	-	-	-	36.7	By colorimetric
Sulfate to Sulfur Ratio	-	-	-	-	-	-	0.7	IS 11624: 2023
Chloride (as Cl)	mg/l	-	-	-	-	-	3.6	IS 3025 (Part 46), 2023
Magnesium (as Mg)	mg/l	-	-	-	-	-	1.2	IS 3025 (Part 46), 2023
Iron	mg/l	-	-	-	-	-	0.01	APHA 53rd edition (5.0 NO. 1), 2017

Class "B" to prescribed standards with respect to Total Coliforms, as per ¹⁰ Indian Water

Quinn, C. and C. PCB.

Designated best use - Out door: bathing organized

REFERENCES

only 1.1% of the observed results not to reject the sample tests.

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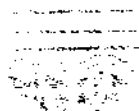
Samples will be stored for a period of 10 days from the date of issue of report.

0.001 Below Detection Level in mg/L

Scientific Assistant
1934-1935

Assistant Scientific Officer
Verified By

Authorised signatory
(Ravi S Gali)
Scientific Officer


 No. 25/W-1/2023
 No. 10/2023
 No. 10/2023
 No. 10/2023
 No. 10/2023

**KARNATAKA STATE POLLUTION CONTROL BOARD
 REGIONAL LABORATORY**
ISO 9001:2015 and ISO 45001:2018 CERTIFIED LABORATORY

 No. 10/2023
 No. 10/2023
 No. 10/2023
 No. 10/2023
 No. 10/2023

Date: 05 MAR 2023

1	Station code	3562				Page 1 of 2	
2	Date & time of Sample taken	Date	04.02.2026	Time	17:25	Type of Water Body	River water
3	Name of Monitoring Station	River Netravathi (Thumbay water supply station to Mangaluru city)				SAMPLE COLLECTED BY: E.O.(A/c) KSPCB	
4	Temperature	29 °C				RO: MANGALURU	
5	Visible Effluent Discharge in Proximity	None ✓	Moderate	High	Other	Completed by	Scientific Assistant
6	Weather	Cloudy	Clear ✓	Windy	Raining	Verified by:	Assitant Scientific Officer
7	Depth of water body (meter)	< 50 cm	50-100cm	>100 cm ✓	Flood	AGENCY:	KARNATAKA
8	Human Activities	Cattle Wading	Melon Farming	Fishing	Other None ✓	Date of commencement of test	05.02.2026
9	Colour	Clear ✓	Turbid	Green	Brownish Muddy Colour	Date of completion of test	25.02.2026
10	Odour	None ✓	Fishy	H2S	Other	Sample Report No.	961
11	Particulars of sample collected	River water				Sample No.	1068

Sl. No	Parameters	Unit	Water Quality Criteria					Result	Test Method
			A	B	C	D	E		
1	pH	-	6.5-8.5	6.5-8.5	6.0-9.0	6.5-8.5	6.0-8.5	7.7	IS 3025 (Part 11): 2022
2	Conductivity	µS/cm	-	-	-	-	2250	59	IS 3025 (Part 14): 2023
3	Total Coliform	MPN/100ml	50	500	5000	-	-	280	APHA 23rd edition (9221-B): 2017
4	Fecal Coliform	MPN/100ml	-	-	-	-	-	26	APHA 23rd edition (9221-E): 2017
5	Oxygen (Dissolved)	mg/L	6	5	4	4	-	7.8	APHA 23rd edition 4500-O G): 2017
6	Biochemical Oxygen Demand @ 27 °C for 3 days	mg/L	2	3	3	-	-	2.2	IS 3025 (Part 44): 2023
7	Chemical Oxygen Demand	mg/L	-	-	-	-	-	13	IS 3025 (Part 58): 2023
8	Boron as B	mg/L	-	-	-	-	2	BDL	APHA 23rd edition (4500-B B): 2017
9	Nitrate as N	mg/L	-	-	-	-	-	0.09	APHA 23rd edition 4500-NO3-B: 2017
10	Ammonia as N	mg/L	-	-	-	-	-	BDL	IS 3025 (Part 34): 2023
11	Free Ammonia as N	mg/L	-	-	-	1.2	-	BDL	APHA 23rd edition 4500-NH3-D: 2017
12	Turbidity	NTU	-	-	-	-	-	6	IS 3025 (Part 10): 2023
13	Total Hardness as CaCO ₃	mg/L	-	-	-	-	-	16	IS 3025 (Part 21): 2023

Sample No.	3562	Page No.	1
Location of Sample (River, Canal, Pond, etc.)	Year of Sample	Month	Date
Source of Sample (Municipal, Industrial, Agricultural, etc.)	River Nethravathi Bannay water supply station Mangaluru	Station Code	RO, MANGALURU
Collector's Name	Station Name	Station Code	1068
Collector's Address	Station Name	Station Code	1068
Collector's Name	Station Name	Station Code	1068
Collector's Address	Station Name	Station Code	1068

Sl. No.	Parameters	Unit	Water Quality Criteria					Result	Test Method
			A	B	C	D	E		
1	Chloride as Cl	mg/l	-	-	-	-	-	10	IS 3025 (Part 4) 2003
2	Aluminate as Al	mg/l	-	-	-	-	-	0	IS 3025 (Part 4) 2003
3	Chloride as Cl	mg/l	-	-	-	-	-	8	IS 3025 (Part 4) 2003
4	Sodium as Na	mg/l	-	-	-	-	-	5.0	IS 3025 (Part 4) 2003
5	Potassium as K	mg/l	-	-	-	-	-	1.0	IS 3025 (Part 4) 2003
6	Sulphate as SO ₄	mg/l	-	-	-	-	-	2.00	IS 3025 (Part 4) 2003
7	pH Value	mg/l	-	-	-	-	-	13.01	IS 3025 (Part 4) 2003
8	Total Alkalinity as CaCO ₃	mg/l	-	-	-	-	-	17	IS 3025 (Part 4) 2003
9	Bicarbonate as HCO ₃	mg/l	-	-	-	-	-	17	IS 3025 (Part 4) 2003
10	Carbonate as CO ₃	mg/l	-	-	-	-	-	0.0	IS 3025 (Part 4) 2003
11	Total Dissolved Solids	mg/l	-	-	-	-	-	38	IS 3025 (Part 4) 2003
12	Total Phosphate as P	mg/l	-	-	-	-	-	0.03	IS 3025 (Part 4) 2003
13	Ammonia as N	mg/l	-	-	-	-	-	0.0	IS 3025 (Part 4) 2003
14	Nitrate as Nitrogen	mg/l	-	-	-	-	-	0.01	IS 3025 (Part 4) 2003
15	Total Suspended Solids	mg/l	-	-	-	-	-	17	IS 3025 (Part 4) 2003
16	Percent Sodium	%	-	-	-	-	-	38.0	By calculation
17	Sodium to Calcium Ratio	-	-	-	-	-	-	0.84	IS 3025 (Part 4) 2003
18	Calcium as Ca	mg/l	-	-	-	-	-	4	IS 3025 (Part 4) 2003
19	Magnesium as Mg	mg/l	-	-	-	-	-	0.5	IS 3025 (Part 4) 2003
20	Nitrite	mg/l	-	-	-	-	-	BDL	APHA 2nd edition 1500 NO ₂ -D 2012

INFERENCE	Class "B" to prescribed standards with respect to Total Coliform, as per Primary Water Quality Criteria - CPCB. Designated best use - Out door bathing organized
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Note: 1. The above results pertain only to the sample tested.

2. The report shall not be reproduced without the written approval of the laboratory.

3. Samples will be stored for a period of 10 days from the date of issue of report.

4. BDL - Below Detection Level in mg/l.

Scientific Assistant
A. C. S. Gali

Assistant Scientific Officer
Verified By

Authorised signatory
(Ravi S Gali)
Scientific Officer

KARNATAKA STATE POLLUTION CONTROL BOARD
REGIONAL LABORATORY
ISO 9001:2015 and ISO 45001:2018 CERTIFIED LABORATORY

Date: 05/02/2026

Sample No.		3563		Date: 05/02/2026	
Date & Time of Sample taken		Date: 01/02/2026	Time: 09:20	Type of Water Body	River water
Name of Monitoring Station		River Netravathi Urs of Uppinangady Town before confluence with Kumaradhara River			SAMPLE COLLECTED BY L.O. V. KSPCB RO: MANGALURU
Volume of Effluent Discharge in Proximity		None	Moderate	High	Other
Weather		Cloudy	Clear	Windy	Raining
Depth of water body (meter)		50 cm	50-100cm	100 cm	Flood
Human Activities		Cattle Wading	Melon Farming	Human Bathing	Other None
Color		Clear	Turbid	Green	Brownish Muddy Colour
Odour		None	Fishy	ITS	Other
Number of samples collected		River water			Sample Report No. 962
					Sample No. 1069

Sl. No.	Parameters	Unit	Water Quality Criteria					Result	Test Method
			A	B	C	D	E		
1	pH		6.5-8.5	6.5-8.5	6.0-9.0	6.5-8.5	6.0-8.5	7.8	IS 3025 (Part 11) 2012
2	Conductivity	uS/cm	-	-	-	-	2250	62	IS 3025 (Part 11) 2012
3	Total Coliform	MPN/100ml	50	500	5000	-	-	350	APHA 23rd edition (22) B: 2017
4	Fecal Coliform	MPN/100ml	-	-	-	-	-	40	APHA 23rd edition (22) B: 2017
5	Dissolved Oxygen	mg/l	6	5	4	4	-	7.4	APHA 23rd edition (506-C) 2017
6	Biochemical Oxygen Demand @ 20°C for 5 days	mg/l	-	3	-	-	-	2.1	IS 3025 (Part 11) 2012
7	Chemical Oxygen Demand	mg/l	-	-	-	-	-	1.0	IS 3025 (Part 11) 2012
8	Boron as B	mg/l	-	-	-	-	2	BDL	APHA 23rd edition (1566-B) 2017
9	Nitrate as N	mg/l	-	-	-	-	-	0.11	APHA 23rd edition (4500-NO3-B) 2017
10	Ammonia as N	mg/l	-	-	-	-	-	BDL	IS 3025 (Part 11) 2012
11	Free Ammonia as N	mg/l	-	-	-	1.2	-	BDL	APHA 23rd edition (4500-NH3-D) 2017
12	Turbidity	NTU	-	-	-	-	-	6.5	IS 3025 (Part 10) 2012
13	Total Hardness as CaCO ₃	mg/l	-	-	-	-	-	11	IS 3025 (Part 21) 2012

5563

Page No. 1

River Nemavathi, S. of Uppinangudi, Town where
confluence with Kumaradhara River

RO-MANGALURI

Sample Report No. 1007

Sample No. 1069

28/01/2020

Purpose/Intend of sample
collected

River Water

Sl. No.	Parameters	Unit	Water Quality Criteria					Result	Test Method
			A	B	C	D	E		
1	Ammonias (NH ₄)	mg/l	-	-	-	-	-	0	IS 3025 (Part 40), 2003
2	Arsonic acid (AsO ₄)	mg/l	-	-	-	-	-	0	IS 3025 (Part 40), 2003
3	Chlorides (Cl ⁻)	mg/l	-	-	-	-	-	11	IS 3025 (Part 40), 2003
4	Sulfates (SO ₄)	mg/l	-	-	-	-	-	7.0	IS 3025 (Part 40), 2003
5	Sodium (Na)	mg/l	-	-	-	-	-	0	IS 3025 (Part 40), 2003
6	Potassium (K)	mg/l	-	-	-	-	-	2.60	IS 3025 (Part 40), 2003
7	Calcium (Ca)	mg/l	-	-	-	-	-	30.1	IS 3025 (Part 40), 2003
8	Total Alkalinity (as CaCO ₃)	mg/l	-	-	-	-	-	16	IS 3025 (Part 40), 2003
9	Bicarbonate (HCO ₃)	mg/l	-	-	-	-	-	16	IS 3025 (Part 40), 2003
10	Carbonate (CO ₃)	mg/l	-	-	-	-	-	30.1	IS 3025 (Part 40), 2003
11	Total Dissolved Solids	mg/l	-	-	-	-	-	40	IS 3025 (Part 40), 2003
12	Total Phosphate (as P)	mg/l	-	-	-	-	-	0.547	IS 3025 (Part 40), 2003
13	Iron (Fe)	mg/l	-	-	-	-	-	0.3	IS 3025 (Part 40), 2003
14	Copper (Cu)	mg/l	-	-	-	-	-	30.1	IS 3025 (Part 40), 2003
15	Total Hardness (as CaCO ₃)	mg/l	-	-	-	-	-	15	IS 3025 (Part 40), 2003
16	Total Suspended Solids	mg/l	-	-	-	-	-	50	IS 3025 (Part 40), 2003
17	Total Solids	mg/l	-	-	-	-	-	50	IS 3025 (Part 40), 2003
18	Sedimentation Ratio	mg/l	-	-	-	-	-	0.8	IS 3025 (Part 40), 2003
19	Chlorine (as Cl)	mg/l	-	-	-	-	-	5.6	IS 3025 (Part 40), 2003
20	Magnesium (as Mg)	mg/l	-	-	-	-	-	1.2	IS 3025 (Part 40), 2003
21	Nitrite	mg/l	-	-	-	-	-	BDL	APHA 23rd edition 4500-NO ₂ -D, 2017

Class "B" - to prescribed standards with respect to Total Coliform, as per Primary Water Quality Criteria - CPCB

Designated best use - Out door bathing organized

INFERENCE

Note: The above results pertain only to the sample tested

The report shall not be reproduced without the written approval of the laboratory.

Samples will be stored for a period of 10 days from the date of sample receipt.

100% Defect Detection Guarantee

Scientific Assistant
A. J. S. B. V.

Assistant Scientific Officer
Verified By

Authorised signatory
(Ravi S. Gali)
Scientific Officer


 KSPCB, Mangaluru
 No. 23, 24, 25, 26, 27
 Near LSI Hospital
 Industrial Area
 H. K. Road
 Mangaluru - 575001

KARNATAKA STATE POLLUTION CONTROL BOARD
REGIONAL LABORATORY
ISO 9001:2015 and ISO 45001:2018 CERTIFIED LABORATORY

 KSPCB, Mangaluru
 No. 23, 24, 25, 26, 27
 Near LSI Hospital
 Industrial Area
 H. K. Road
 Mangaluru - 575001

Date: 06.01.2026

1	Station code	1892				Page 1 of 2	
2	Date & time of Sample taken	Date	06.01.2026	Time	12:25	Type of Water Body	River water
3	Name of Monitoring Station	River Netravathi U/s of Dharmastala water supply intake point.				SAMPLE COLLECTED BY : F.O. KSPCB	
4	Temperature	29 °C				RO: MANGALURU	
5	Visible Effluent Discharge in Proximity	None ✓	Moderate	High	Other	Completed by	Scientific Assistant
6	Weather	Cloudy	Clear ✓	Windy	Raining	Verified by:	Assistant Scientific Officer
7	Depth of water body (meter)	< 50 cm	50-100cm	> 100 cm ✓	Flood	AGENCY:	KARNATAKA
8	Human Activities	Cattle Wading	Melon Farming	Fishing	Other None ✓	Date of commencement of test	07.01.2026
9	Colour	Clear ✓	Turbid	Green	Brownish Muddy Colour	Date of completion of test	27.01.2026
10	Odour	None ✓	Fishy	H ₂ S	Other	Sample Report No.	877
11	Particulars of sample collected	River water				Sample No.	1005

Sl. No	Parameters	Unit	Water Quality Criteria					Result	Test Method
			A	B	C	D	E		
1	pH	-	6.5-8.5	6.5-8.5	6.0-9.0	6.5-8.5	6.0-8.5	7.6	IS 3025 (Part 11): 2022
2	Conductivity	µS cm	-	-	-	-	2250	51	IS 3025 (Part 14): 2023
3	Total Coliform	MPN /100ml	50	500	5000	-	-	130	IS 1622: 1981
4	Fecal Coliform	MPN /100ml	-	-	-	-	-	11	IS 1622: 1981
5	Oxygen (Dissolved)	mg/L	6	5	4	4	-	7.5	APHA 23rd edition 4500-O (G): 2017
6	Biochemical Oxygen Demand @ 27° C for 3 days	mg/L	2	3	3	-	-	2.1	IS 3025 (Part 44): 2023
7	Chemical Oxygen Demand	mg/L	-	-	-	-	-	12	IS 3025 (Part 58): 2023
8	Boron as B	mg/L	-	-	-	-	2	BDL	APHA 23rd edition (4500-B B): 2017
9	Nitrate as N	mg/L	-	-	-	-	-	0.038	APHA 23rd edition 4500-NO3-B: 2017
10	Ammonia as N	mg/L	-	-	-	-	-	BDL	IS 3025 (Part 34): 2023
11	Free Ammonia as N	mg/L	-	-	-	1.2	-	BDL	APHA 23rd edition 4500-NH3-D: 2017
12	Turbidity	NTU	-	-	-	-	-	5.2	IS 3025 (Part 10): 2023
13	Total Hardness as CaCO ₃	mg/L	-	-	-	-	-	14	IS 3025 (Part 21): 2023

1. Station code	1892			Page No.	
2. Det. & loc. of Sample	Date	06.01.2026	Time	11:25	Place of Water Body
Name of the water body					Rece.
River Netravathi LS of Dharmastala water supply intake point.					IS: 3025 (Part 40): 2024
Date of collection of sample					IS: 3025 (Part 40): 2024
Date of collection of test					IS: 3025 (Part 40): 2024
Particulars of sample collected					IS: 3025 (Part 40): 2024
River Water					IS: 3025 (Part 40): 2024

Sl. No.	Parameters	Unit	Water Quality Criteria					Result	Test Method
			A	B	C	D	E		
1	Calcium as CaCO ₃	mg/l	-	-	-	-	-	9	IS: 3025 (Part 40): 2024
2	Magnesium as CaCO ₃	mg/l	-	-	-	-	-	1	IS: 3025 (Part 40): 2024
3	Chloride as Cl ⁻	mg/l	-	-	-	-	-	8	IS: 3025 (Part 40): 2024
4	Sodium as Na ⁺	mg/l	-	-	-	-	-	1.0	IS: 3025 (Part 40): 2024
5	Potassium as K ⁺	mg/l	-	-	-	-	-	0	IS: 3025 (Part 40): 2024
6	Sulfate as SO ₄ ²⁻	mg/l	-	-	-	-	-	7.1	IS: 3025 (Part 40): 2024
7	pH Alkalinity	mg/l	-	-	-	-	-	BDL	IS: 3025 (Part 40): 2024
8	Total Alkalinity as CaCO ₃	mg/l	-	-	-	-	-	12	IS: 3025 (Part 40): 2024
9	Bicarbonate as HCO ₃ ⁻	mg/l	-	-	-	-	-	12	IS: 3025 (Part 40): 2024
10	Carbonate as CO ₃ ²⁻	mg/l	-	-	-	-	-	BDL	IS: 3025 (Part 40): 2024
11	Total Dissolved Solids	mg/l	-	-	-	-	-	22	IS: 3025 (Part 40): 2024
12	Total Phosphate as P	mg/l	-	-	-	-	-	BDL	IS: 3025 (Part 40): 2024
13	Fluoride as F ⁻	mg/l	-	-	-	-	-	0.1	IS: 3025 (Part 40): 2024
14	Total Kjeldahl Nitrogen	mg/l	-	-	-	-	-	BDL	IS: 3025 (Part 40): 2024
15	Total Suspended Solids	mg/l	-	-	-	-	-	10	IS: 3025 (Part 40): 2024
16	Percent Sodium	%	-	-	-	-	-	36.1	By Calculation
17	Sodium Absorption Ratio		-	-	-	-	-	0.46	IS: 3025 (Part 40): 2024
18	Zinc as Zn	mg/l	-	-	-	-	-	3.6	IS: 3025 (Part 40): 2024
19	Magnesium as Mg	mg/l	-	-	-	-	-	1.2	IS: 3025 (Part 40): 2024
20	Nitrate	mg/l	-	-	-	-	-	BDL	APHA 23rd edition (800-NO2-02), 2012

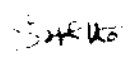
INFERENCE	Class " B " - to prescribed standards with respect to Total Coliforms as per Primary Water Quality Criteria - CPCB
	Designated best use - Out door bathing organized

Note: 1. The above results pertain only to the sample tested

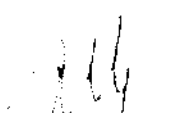
2. The report shall not be reproduced without the written approval of the laboratory

3. Samples will be stored for a period of 10 days from the date of issue of report

4. BDL: Below Detection Level in mg/l.


Scientific Assistant
Water & EB


Assistant Scientific Officer
Water & EB


Authorised Signatory
(Ravi S Gali)



7-11-68
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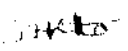
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Sl. No	Parameters	Unit	Water Quality Criteria					Result	Test Method
			A	B	C	D	E		
1	pH	-	6.5-8.5	6.5-8.5	6.0-9.0	6.5-8.5	6.0-8.5	8	IS 3025 (Part 31):2022
2	Conductivity	μS/cm	-	-	-	-	2250	54	IS 3025 (Part 14): 2023
3	Total Coliform	MPN/100ml	50	500	5000	-	-	110	IS 1622: 1981
4	Fecal Coliform	MPN/100ml	-	-	-	-	-	10	IS 1622: 1981
5	Oxygen (Dissolved)	mg/L	6	5	4	4	-	7.7	APHA 23rd edition 4500-O G: 2017
6	Biochemical Oxygen Demand @ 27° C for 3 days	mg/L	2	3	3	-	-	2.2	IS 3025 (Part 44): 2023
7	Chemical Oxygen Demand	mg/L	-	-	-	-	-	13	IS 3025 (Part 58): 2023
8	Boron as B	mg/L	-	-	-	-	2	BDL	APHA 23rd edition (4500-B B) : 2017
9	Nitrate as N	mg/L	-	-	-	-	-	0.050	APHA 23rd edition 4500-NO3-B: 2017
10	Ammonia as N	mg/L	-	-	-	-	-	BDL	IS 3025 (Part 34): 2023
11	Free Ammonia as N	mg/L	-	-	-	1.2	-	BDL	APHA 23rd edition 4500-NH3-D: 2017
12	Turbidity	NTU	-	-	-	-	-	6	IS 3025 (Part 10): 2023
13	Total Hardness as CaCO ₃	mg/L	-	-	-	-	-	14	IS 3025 (Part 21): 2023

1	Station code	1894	Page 2 of 2
2	Date & time of Sample taken	Dec 06/01/2026	Time 12:20
		Location of Water Body	River
3	Name of Monitoring Station	River Kumaradhara Ls of Uppinangadi Town before confluence with Netravathi river.	SAMPLE COLLECTED BY H. O. RSPCB RO/MANGALURU
4	Date of commencement of test	07.01.2026	Sample Report No., 878
5	Date of completion of test	27.01.2026	Station No. 1006
6	Particulars of sample collected	River water	

Sl. No	Parameters	Unit	Water Quality Criteria					Result	Test Method
			A	B	C	D	E		
14	Calcium as CaCO ₃	mg/l	-	-	-	-	-	9	IS 3025 (Part 40): 2023
15	Magnesium as CaCO ₃	mg/l	-	-	-	-	-	8	IS 3025 (Part 46): 2023
16	Chloride as Cl	mg/l	-	-	-	-	-	8	IS 3025 (Part 32): 2023
17	Sodium as Na	mg/l	-	-	-	-	-	8.0	IS 3025 (Part 15): 2023
18	Potassium as K	mg/l	-	-	-	-	-	1.0	IS 3025 (Part 15): 2023
19	Sulphate as SO ₄	mg/l	-	-	-	-	-	1.50	IS 3025 (Part 24): 2023
20	P- Alkalinity	mg/l	-	-	-	-	-	BDL	IS 3025 (Part 23): 2023
21	Total Alkalinity as CaCO ₃	mg/l	-	-	-	-	-	16	
22	Bicarbonate (HCO ₃)	mg/l	-	-	-	-	-	16	
23	Carbonate (CO ₃)	mg/l	-	-	-	-	-	BDL	
24	Total Dissolved Solids	mg/l	-	-	-	-	-	34	IS 3025 (Part 16): 2023
25	Total Phosphate as P	mg/l	-	-	-	-	-	BDL	IS 3025 (Part 31 Sec 1): 2023
26	Fluoride as F	mg/l	-	-	-	-	-	0.2	IS 3025 (Part 60): 2023
27	Total Kjeldhal Nitrogen	mg/l	-	-	-	-	-	BDL	IS 3025 (Part 34): 2023
28	Total Suspended Solids	mg/l	-	-	-	-	-	12	IS 3025 (Part 17): 2022
29	Percent Sodium	%	-	-	-	-	-	41.7	By Calculation
30	Sodium Absorption Ratio		-	-	-	-	-	0.58	IS 11624: 2023
31	Calcium as Ca	mg/l	-	-	-	-	-	3.6	IS 3025 (Part 40): 2023
32	Magnesium as Mg	mg/l	-	-	-	-	-	1.2	IS 3025 (Part 46): 2023
33	Nitrite	mg/l	-	-	-	-	-	BDL	APHA 23rd edition 4500-NO2-ID: 2017
INFERENCE		Class " B " - to prescribed standards with respect to Total Coliform as per Primary Water Quality Criteria - CPCB.							
		Designated best use - Out door bathing organized							

- Note:** 1. The above results pertain only to the sample tested.
2. The report shall not be reproduced without the written approval of the laboratory.
3. Samples will be stored for a period of 10 days from the date of issue of report.
4. BDL: Below Detection Level in mg/l.


Scientific Assistant
Analysed By


Assistant Scientific Officer
Verified By


Authorised Signatory
(Ravi S Gali)
Scientific Officer


 KARNATAKA STATE POLLUTION CONTROL BOARD
 REGIONAL LABORATORY
 BANGALORE
 KARNATAKA

**KARNATAKA STATE POLLUTION CONTROL BOARD
 REGIONAL LABORATORY**
ISO 9001:2015 and ISO 45001:2018 CERTIFIED LABORATORY

 KARNATAKA STATE POLLUTION CONTROL BOARD
 REGIONAL LABORATORY
 BANGALORE
 KARNATAKA

Date : 06.01.2026

1	Station code	3562				Page 1 of 2	
2	Date & time of Sample taken	Date	06.01.2026	Time	01:05	Type of Water Body	River water
3	Name of Monitoring Station	River Netravathi (Thumbay water supply station to Mangaluru city)				SAMPLE COLLECTED BY : E.O. KSPCB RO: MANGALURU	
4	Temperature	28 C					
5	Visible Effluent Discharge in Proximity	None ✓	Moderate	High	Other	Completed by	Scientific Assistant
6	Weather	Cloudy	Clear ✓	Windy	Raining	Verified by:	Assitant Scientific Officer
7	Depth of water body (meter)	< 50 cm	50-100cm	100 cm ✓	Flood	AGENCY:	KARNATAKA
8	Human Activities	Cattle Wading	Melon Farming	Fishing	Other None ✓	Date of commencement of test	07.01.2026
9	Colour	Clear ✓	Turbid	Green	Brownish / Muddy Colour	Date of completion of test	27.01.2026
10	Odour	None ✓	Fishy	H2S	Other	Sample Report No.	879
11	Particulars of sample collected	River water				Sample No.	1007

Sl. No	Parameters	Unit	Water Quality Criteria					Result	Test Method
			A	B	C	D	E		
1	pH	-	6.5-8.5	6.5-8.5	6.0-9.0	6.5-8.5	6.0-8.5	7.6	IS 3025 (Part 11):2022
2	Conductivity	µS/cm	-	-	-	-	2250	52	IS 3025 (Part 14): 2023
3	Total Coliform	MPN /100ml	50	500	5000	-	-	170	IS 1622: 1981
4	Fecal Coliform	MPN /100ml	-	-	-	-	-	20	IS 1622: 1981
5	Oxygen (Dissolved)	mg/L	6	5	4	4	-	7.3	APHA 23rd edition 4500-O (G): 2017
6	Biochemical Oxygen Demand @ 27° C for 3 days	mg/L	2	3	3	-	-	2.4	IS 3025 (Part 44): 2023
7	Chemical Oxygen Demand	mg/L	-	-	-	-	-	15	IS 3025 (Part 58): 2023
8	Boron as B	mg/L	-	-	-	-	2	BDL	APHA 23rd edition (4500-B B): 2017
9	Nitrate as N	mg/L	-	-	-	-	-	0.06	APHA 23rd edition 4500-NO3-B: 2017
10	Ammonia as N	mg/L	-	-	-	-	-	BDL	IS 3025 (Part 34): 2023
11	Free Ammonia as N	mg/L	-	-	-	1.2	-	BDL	APHA 23rd edition 4500-NH3-D: 2017
12	Turbidity	NTU	-	-	-	-	-	6.5	IS 3025 (Part 10): 2023
13	Total Hardness as CaCO ₃	mg/L	-	-	-	-	-	14	IS 3025 (Part 21): 2023

Station No.	3562	Page No.	2
Date of Sample Collection	06/01/2026	Source of Water Body	River
Location of Sample Collection	River Netravathi, Tumbray water supply station in Mangaluru city	IS 3025 (Part 40) 2024	RO-MANGALURU
Date of Report	07/01/2026	Sample Report No.	879
Name of the Analyst	Scientific Assistant	Sample No.	0007
Particulars of Sample Collection	River Water		

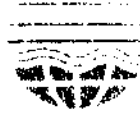
Sl. No.	Parameters	Unit	Water Quality Criteria					Result	Test Method
			A	B	C	D	E		
14	Calcium as CaCO ₃	mg/L	-	-	-	-	-	9	IS 3025 (Part 40) 2024
15	Magnesium as CaCO ₃	mg/L	-	-	-	-	-	5	IS 3025 (Part 46) 2023
16	Chloride as Cl ⁻	mg/L	-	-	-	-	-	8	IS 3025 (Part 32) 2019
17	Sodium as Na ⁺	mg/L	-	-	-	-	-	4.0	IS 3025 (Part 48) 2024
18	Potassium as K ⁺	mg/L	-	-	-	-	-	1.0	IS 3025 (Part 45) 2023
19	Sulphate as SO ₄ ²⁻	mg/L	-	-	-	-	-	7.60	IS 3025 (Part 24) 2022
20	pH Alkalinity	mg/L	-	-	-	-	-	BDL	IS 3025 (Part 23) 2023
21	Total Alkalinity as CaCO ₃	mg/L	-	-	-	-	-	12	
22	Bicarbonate (HCO ₃ ⁻)	mg/L	-	-	-	-	-	12	
23	Carbonate (CO ₃ ²⁻)	mg/L	-	-	-	-	-	BDL	
24	Total Dissolved Solids	mg/L	-	-	-	-	-	34	IS 3025 (Part 16) 2023
25	Total Phosphate as P	mg/L	-	-	-	-	-	0.01	IS 3025 (Part 31/Sec D) 2022
26	Iodide as I ⁻	mg/L	-	-	-	-	-	0.2	IS 3025 (Part 60) 2023
27	Total Kjeldahl Nitrogen	mg/L	-	-	-	-	-	BDL	IS 3025 (Part 34) 2023
28	Total Suspended Solids	mg/L	-	-	-	-	-	12	IS 3025 (Part 17) 2022
29	Percent Sodium	%	-	-	-	-	-	36.4	By Calculation
30	Sodium Absorption Ratio	-	-	-	-	-	-	0.46	IS 11621 2023
31	Calcium as Ca	mg/L	-	-	-	-	-	3.6	IS 3025 (Part 40) 2024
32	Magnesium as Mg	mg/L	-	-	-	-	-	1.2	IS 3025 (Part 46) 2023
33	Nitrite	mg/L	-	-	-	-	-	BDL	APHA 23rd edition 4500-NO ₂ -D: 2017
INFERENCE		Class " B " - to prescribed standards with respect to Total Coliform , as per Primary Water Quality Criteria - CPCB.							
		Designated best use - Out door bathing organized.							

- Note:**
1. The above results pertain only to the sample tested.
 2. The report shall not be reproduced without the written approval of the laboratory.
 3. Samples will be stored for a period of 10 days from the date of issue of report.
 4. BDL - Below Detection Level in mg/L.

Scientific Assistant
Analysed By

Assistant Scientific Officer
Verified By

Authorised signatory
(Ravi S Gali)
Scientific Officer



81

ಕರ್ನಾಟಕ ಸರ್ಕಾರ
ಸಿ.ಎಸ್.ಎಸ್.ಐ.ಎಸ್.
ನವಿ.ಪಿ.ಸಿ.ಎಸ್.ಐ.
ಬೆಂಗಳೂರು
ಕರ್ನಾಟಕ
ಸಿ.ಎಸ್.ಎಸ್.ಐ.ಎಸ್.

**KARNATAKA STATE POLLUTION CONTROL BOARD
REGIONAL LABORATORY**

ISO 9001:2015 and ISO 45001:2018 CERTIFIED LABORATORY

ಕರ್ನಾಟಕ ಸರ್ಕಾರ
ಸಿ.ಎಸ್.ಎಸ್.ಐ.ಎಸ್.
ನವಿ.ಪಿ.ಸಿ.ಎಸ್.ಐ.
ಬೆಂಗಳೂರು
ಕರ್ನಾಟಕ
ಸಿ.ಎಸ್.ಎಸ್.ಐ.ಎಸ್.

06/01/2026

Date :

1	Station code	3563				Page 1 of 2	
2	Date & time of Sample taken	Date	06/01/2026	Time	15:40	Type of Water Body	River water
3	Name of Monitoring Station	River Netravathi U/s of Uppinangady Town before confluence with Kumaradhara River				SAMPLE COLLECTED BY E.O. KSPCB RO:MANGALURU	
4	Temperature	30°C					
5	Visible Effluent Discharge in Proximity	None ✓	Moderate	High	Other	Completed by	Scientific Assistant
6	Weather	Cloudy	Clear ✓	Windy	Raining	Verified by:	Assistant Scientific Officer
7	Depth of water body (meter)	< 50 cm	50-100cm	>100 cm ✓	Flood	AGENCY:	KARNATAKA
8	Human Activities	Cattle Wading	Alelon Farming	Human Bathing	Other None ✓	Date of commencement of test	07.01.2026
9	Colour	Clear ✓	Turbid	Green	Brownish Muddy Colour	Date of completion of test	27.01.2026
10	Odour	None ✓	Fishy	H2S	Other	Sample Report No.	880
11	Particulars of sample collected	River water				Sample No.	1008

Sl. No	Parameters	Unit	Water Quality Criteria					Result	Test Method
			A	B	C	D	E		
1	pH	-	6.5-8.5	6.5-8.5	6.0-9.0	6.5-8.5	6.0-8.5	7.6	IS 3025 (Part 11): 2022
2	Conductivity	µS/cm	-	-	-	-	2250	47	IS 3025 (Part 14): 2023
3	Total Coliform	MPN /100ml	50	500	5000	-	-	540	IS 1622: 1981
4	Fecal Coliform	MPN /100ml	-	-	-	-	-	70	IS 1622: 1981
5	Oxygen (Dissolved)	mg/L	6	5	4	4	-	7.1	APHA 23rd edition (500-O G): 2017
6	Biochemical Oxygen Demand @ 27° C for 3 days	mg/L	2	3	3	-	-	2.7	IS 3025 (Part 44): 2023
7	Chemical Oxygen Demand	mg/L	-	-	-	-	-	16	IS 3025 (Part 58): 2023
8	Boron as B	mg/L	-	-	-	-	2	BDL	APHA 23rd edition (4500-B B): 2017
9	Nitrate as N	mg/L	-	-	-	-	-	0.14	APHA 23rd edition (4500-NO3-B): 2017
10	Ammonia as N	mg/L	-	-	-	-	-	BDL	IS 3025 (Part 34): 2023
11	Free Ammonia as N	mg/L	-	-	-	1.2	-	BDL	APHA 23rd edition (4500-NH3-D): 2017
12	Turbidity	NTU	-	-	-	-	-	7	IS 3025 (Part 10): 2023
13	Total Hardness as CaCO ₃	mg/L	-	-	-	-	-	14	IS 3025 (Part 21): 2023

1. Station code	3563	Page 2 of 2
2. Name of the Sample	Water	Sample Date
3. Name of Monitoring Station	River Netravathi U/s of Uppinangady Town before confluence with Kumaradhara River	Sample Collected by R.O. SPCB RO-MANGALURI
4. Date of commencement of test	07.01.2023	Sample Report No.: 880
5. Date of completion of test	07.01.2023	Sample No.: 1008
6. Particulars of sample collected	Ravi S Gali	

Sl. No.	Parameters	Unit	Water Quality Criteria					Result	Test Method
			A	B	C	D	E		
14	Calcium as CaCO ₃	mg/l	-	-	-	-	-	9	IS 3025 (Part 46), 2023
15	Magnesium as CaCO ₃	mg/l	-	-	-	-	-	1	IS 3025 (Part 46), 2023
16	Chloride as Cl ⁻	mg/l	-	-	-	-	-	6	IS 3025 (Part 32), 2023
17	Sodium as Na	mg/l	-	-	-	-	-	3.0	IS 3025 (Part 43), 2023
18	Potassium as K	mg/l	-	-	-	-	-	1.0	IS 3025 (Part 43), 2023
19	Sulphate as SO ₄	mg/l	-	-	-	-	-	1.90	IS 3025 (Part 24), 2022
20	P-Alkalinity	mg/l	-	-	-	-	-	BDL	IS 3025 (Part 23), 2023
21	Total Alkalinity as CaCO ₃	mg/l	-	-	-	-	-	13	
22	Bicarbonate (HCO ₃ ⁻)	mg/l	-	-	-	-	-	13	
23	Carbonate (CO ₃ ⁻)	mg/l	-	-	-	-	-	BDL	
24	Total Dissolved Solids	mg/l	-	-	-	-	-	89	IS 3025 (Part 16), 2023
25	Total Phosphate as P	mg/l	-	-	-	-	-	0.013	IS 3025 (Part 31) Sec 3, 2022
26	Fluoride as F	mg/l	-	-	-	-	-	0.1	IS 3025 (Part 60), 2023
27	Total Kjeldhal Nitrogen	mg/l	-	-	-	-	-	BDL	IS 3025 (Part 34), 2023
28	Total Suspended Solids	mg/l	-	-	-	-	-	14	IS 3025 (Part 17), 2022
29	Percent Sodium	%	-	-	-	-	-	50	By Calculation
30	Sodium Absorption Ratio	-	-	-	-	-	-	0.35	IS 11624, 2023
31	Calcium as Ca	mg/L	-	-	-	-	-	3.6	IS 3025 (Part 40), 2024
32	Magnesium as Mg	mg/l	-	-	-	-	-	1.2	IS 3025 (Part 46), 2023
33	Nitrite	mg/l	-	-	-	-	-	BDL	APHA 23rd edition 4500-NO ₂ -D, 2017

INFERENCE

Class "C" to prescribed standards with respect to Total Coliform as per Primary Water Quality Criteria - CPCB.

Designated best use - Out door bathing organized

Note: 1. The above results pertain only to the sample tested.

2. The report shall not be reproduced without the written approval of the laboratory.

3. Samples will be stored for a period of 10 days from the date of issue of report.

4. BDL: Below Detection Level in mg/L.

Scientific Assistant
Analysed By

Assistant Scientific Officer
Verified By

Authorised signatory
(Ravi S Gali)
Scientific Officer

----- End of Report -----


 KARNATAKA STATE POLLUTION CONTROL BOARD
 No. 1 SEI/500/2018
 Industrial Area
 Mysore
 Mangalore-575011

KARNATAKA STATE POLLUTION CONTROL BOARD
REGIONAL LABORATORY
ISO 9001:2015 and ISO 45001:2018 CERTIFIED LABORATORY

 Date: 05.01.2026
 Page 1 of 2
 Sample No.: 761

Date : 05.01.2026

1	Station code	1892				Page 1 of 2	
2	Date & time of sample taken	Date	05.12.2025	Time	11:05	Type of Water Body	River water
3	Name of Monitoring Station	River Netravathi U/s of Dharmastala water supply intake point.				SAMPLE COLLECTED BY E.O. KSPCB	
4	Temperature	30°C				RO:MANGALURU	
5	Visible Effluent Discharge in Proximity	None ✓	Moderate	High	Other	Completed by	Scientific Assistant
6	Weather	Cloudy ✓	Clear	Windy	Raining	Verified by:	Assistant Scientific Officer
7	Depth of water body (meter)	< 50 cm	50-100cm	>100 cm	Flood	AGENCY:	KARNATAKA
8	Human Activities	Cattle Wading	Melon Farming	Fishing	Other None ✓	Date of commencement of test	05.12.2025
9	Colour	Clear ✓	Turbid	Green	Brownish Muddy Colour	Date of completion of test	26.12.2025
10	Odour	None ✓	Fishy	H2S	Other	Sample Report No.	761
11	Particulars of sample collected	River water				Sample No.	900

Sl. No	Parameters	Unit	Water Quality Criteria					Result	Test Method
			A	B	C	D	E		
1	pH	-	6.5-8.5	6.5-8.5	6.0-9.0	6.5-8.5	6.0-8.5	8.2	IS 3025 (Part 11):2022
2	Conductivity	µS/cm	-	-	-	-	2250	49	IS 3025 (Part 14): 2023
3	Total Coliform	MPN/100ml	50	500	5000	-	-	70	IS 1622: 1981
4	Fecal Coliform	MPN/100ml	-	-	-	-	-	4.5	IS 1622: 1981
5	Oxygen (Dissolved)	mg/L	6	5	4	4	-	7.7	APHA 23rd edition 4500-O G: 2017
6	Biochemical Oxygen Demand @ 27°C for 3 days	mg/l	2	3	3	-	-	2.0	IS 3025 (Part 44): 2023
7	Chemical Oxygen Demand	mg/l	-	-	-	-	-	12	IS 3025 (Part 58): 2023
8	Boron as B	mg/L	-	-	-	-	2	BDL	APHA 23rd edition (4500-B B): 2017
9	Nitrate as N	mg/L	-	-	-	-	-	0.040	APHA 23rd edition 4500-NO3-B: 2017
10	Ammonia as N	mg/L	-	-	-	-	-	BDL	IS 3025 (Part 34): 2023
11	Free Ammonia as N	mg/L	-	-	-	1.2	-	BDL	APHA 23rd edition 4500-NH3-D: 2017
12	Turbidity	NTU	-	-	-	-	-	6.5	IS 3025 (Part 10): 2023
13	Total Hardness as CaCO ₃	mg/L	-	-	-	-	-	12	IS 3025 (Part 21): 2023

Sl. No.		1892		Page 1 of 1			
Date of Report		01.12.2023		Date of Sample		01.12.2023	
Name of the Sample		River Netravathi, E/s of Dharmastala water supply intake point.				Sample Collected By S. S. S. S. S.	
Name of the Analyte		01.12.2023				Sample Report No. 1892	
Date of completion of test		01.12.2023				Sample No. 900	
Particulars of sample collected		River Water					

Sl. No.	Parameters	Unit	Water Quality Criteria					Result	Test Method
			A	B	C	D	E		
1	Total Hardness (CaCO ₃)	mg/L	-	-	-	-	-	8	IS 3025 (Part 30) 2014
2	Magnesium as CaCO ₃	mg/L	-	-	-	-	-	4	IS 3025 (Part 46) 2023
3	Chloride as Cl ⁻	mg/L	-	-	-	-	-	7	IS 3025 (Part 32) 2014
4	Sodium as Na ⁺	mg/L	-	-	-	-	-	5.0	IS 3025 (Part 45) 2023
5	Potassium as K ⁺	mg/L	-	-	-	-	-	1.0	IS 3025 (Part 45) 2023
6	Sulphate as SO ₄ ²⁻	mg/L	-	-	-	-	-	2.6	IS 3025 (Part 24) 2022
7	P- Alkalinity	mg/L	-	-	-	-	-	BDL	IS 3025 (Part 23) 2023
8	Total Alkalinity as CaCO ₃	mg/L	-	-	-	-	-	14	
9	Bicarbonate (HCO ₃ ⁻)	mg/L	-	-	-	-	-	14	
10	Carbonate (CO ₃ ²⁻)	mg/L	-	-	-	-	-	BDL	
11	Total Dissolved Solids	mg/L	-	-	-	-	-	32	IS 3025 (Part 16) 2023
12	Total Phosphate as P	mg/L	-	-	-	-	-	0.01	IS 3025 (Part 31) Sec 11, 2023
13	Iodide as I ⁻	mg/L	-	-	-	-	-	0.2	IS 3025 (Part 60) 2014
14	Total Kjeldahl Nitrogen	mg/L	-	-	-	-	-	BDL	IS 3025 (Part 34) 2023
15	Total Suspended Solids	mg/L	-	-	-	-	-	12	IS 3025 (Part 17) 2022
16	Percent Sodium	%	-	-	-	-	-	45.1	By Calculation
17	Sodium Absorption Ratio	-	-	-	-	-	-	0.63	IS 11623 2023
18	Calcium as Ca	mg/L	-	-	-	-	-	3.2	IS 3025 (Part 40) 2024
19	Magnesium as Mg	mg/L	-	-	-	-	-	0.97	IS 3025 (Part 46) 2023
20	Nitrate	mg/L	-	-	-	-	-	BDL	APHA 23rd edition 4500-NO2-D, 2017
INFERENCE		Class " B " - to prescribed standards with respect to Total Coliform , as per Primary Water Quality Criteria - CPCB.							
		Designated best use - Out door bathing organized							

Note: 1. The above results pertain only to the sample tested.

2. The report shall not be reproduced without the written approval of the laboratory.

3. Samples will be stored for a period of 10 days from the date of issue of report.

4. BDL: Below Detection Level in mg/L.

Scientific Assistant
Analysed By

Assistant Scientific Officer
Verified By

Authorised Signatory

[illegible]

Page 1 of 2

Plc)

1. Name of the person	Dr. S. S. Srinivasan	2. Date	10/12/2013	3. Time	11.30 AM	4. Place	Water Body	RA
5. Name of the person who collected the sample	River Kumaramangalam (at Uppinangady Town before confluence with Netravathi river).					SAMPLE NO. 160 (10/12/2013)		
6. Name of the person who collected the sample	Dr. S. S. Srinivasan					RO: MANGALURI		
7. Name of the person who collected the sample	Dr. S. S. Srinivasan					Sample Report No. 762		
8. Name of the person who collected the sample	Dr. S. S. Srinivasan					Sample No. 160.		
9. Name of the person who collected the sample	River Water							

Sl. No.	Parameters	Unit	Water Quality Criteria					Result	Test Method
			A	B	C	D	E		
4	Calcium as CaCO ₃	mg/l	-	-	-	-	-	8	IS 3025 (Part 40): 2024
5	Magnesium as CaCO ₃	mg/l	-	-	-	-	-	1	IS 3025 (Part 46): 2023
16	Chloride as Cl ⁻	mg/l	-	-	-	-	-	8	IS 3025 (Part 23): 2023
17	Sodium as Na	mg/l	-	-	-	-	-	5.0	IS 3025 (Part 45): 2024
18	Potassium as K	mg/l	-	-	-	-	-	1.0	IS 3025 (Part 45): 2024
19	Sulphate as SO ₄	mg/l	-	-	-	-	-	1.10	IS 3025 (Part 24): 2023
20	pH Alkalinity	mg/l	-	-	-	-	-	BDL	IS 3025 (Part 23): 2023
21	Total Alkalinity as CaCO ₃	mg/l	-	-	-	-	-	14	
22	Bicarbonate (HCO ₃ ⁻)	mg/l	-	-	-	-	-	11	
23	Carbonate (CO ₃ ²⁻)	mg/L	-	-	-	-	-	BDL	
24	Total Dissolved Solids	mg/l	-	-	-	-	-	34	IS 3025 (Part 16): 2023
25	Total Phosphate as P	mg/l	-	-	-	-	-	0.013	IS 3025 (Part 51 Sec D): 2023
26	Fluoride as F	mg/l	-	-	-	-	-	0.2	IS 3025 (Part 60): 2023
27	Total Kjeldahl Nitrogen	mg/l	-	-	-	-	-	BDL	IS 3025 (Part 34): 2023
28	Total Suspended Solids	mg/l	-	-	-	-	-	18	IS 3025 (Part 17): 2022
29	Percent Sodium	%	-	-	-	-	-	45.1	By Calculation
30	Sodium Absorption Ratio	-	-	-	-	-	-	0.63	IS 11624: 2023
31	Calcium as Ca	mg/L	-	-	-	-	-	3.2	IS 3025 (Part 40): 2024
32	Magnesium as Mg	mg/L	-	-	-	-	-	0.97	IS 3025 (Part 46): 2023
33	Nitrite	mg/L	-	-	-	-	-	BDL	APHA 23rd edition 4500-NO ₂ -D: 2017
INFERENCE		Class " B " - to prescribed standards with respect to Total Coliform , as per Primary Water Quality Criteria - CPCB.							
		Designated best use - Out door bathing organized							

Note: The above results pertain only to the sample tested.

2. The report shall not be reproduced without the written approval of the laboratory.

• Samples will be stored for a period of 10 days from the date of issue of report

4. BDL: Below Detection Level in mg/L.

Scientific Assistant
Analysed By

Assistant Scientific Officer
Verified By


 Authorised signatory
 (Ravi S Gali)
 Scientific Officer



KARNATAKA STATE POLLUTION CONTROL BOARD
Regional Laboratory
Mangaluru
Karnataka
India

KARNATAKA STATE POLLUTION CONTROL BOARD
REGIONAL LABORATORY

ISO 9001:2015 and ISO 45001:2018 CERTIFIED LABORATORY

Address: Mangaluru
Karnataka
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Date : 05.01.2026

1	Station code	3562				Page 1 of 2	
2	Date & time of Sample taken	Date	04.12.2025	Time	11:15	Type of Water Body	River water
3	Name of Monitoring Station	River Netravathi (Thumbay water supply station to Mangaluru city)				SAMPLE COLLECTED BY F.O. KSPCB RO: MANGALURU	
4	Temperature	30 C					
5	Visible Effluent Discharge in Proximity	None ✓	Moderate	High	Other	Completed by	Scientific Assistant
6	Weather	Cloudy	Clear ✓	Windy	Raining	Verified by:	Assitant Scientific Officer
7	Depth of water body (meter)	< 50 cm	50-100cm	>100 cm ✓	Flood	AGENCY:	KARNATAKA
8	Human Activities	Cattle Wading	Melon Farming	Fishing	Other None ✓	Date of commencement of test	05.12.2025
9	Colour	Clear ✓	Turbid	Green	Brownish / Muddy Colour	Date of completion of test	26.12.2025
10	Odour	None ✓	Fishy	H2S	Other	Sample Report No.	763
11	Particulars of sample collected	River water				Sample No.	902

Sl. No	Parameters	Unit	Water Quality Criteria					Result	Test Method
			A	B	C	D	E		
1	pH	-	6.5-8.5	6.5-8.5	6.0-9.0	6.5-8.5	6.0-8.5	8.1	IS 3025 (Part 11): 2022
2	Conductivity	µS/cm	-	-	-	-	2250	50	IS 3025 (Part 14): 2023
3	Total Coliform	NPN /100ml	50	500	5000	-	-	140	IS 1622: 1981
4	Fecal Coliform	NPN /100ml	-	-	-	-	-	13	IS 1622: 1981
5	Oxygen (Dissolved)	mg/L	6	5	4	4	-	6.9	APHA 23rd edition 4500-O-G: 2017
6	Biochemical Oxygen Demand @ 27° C for 3 days	mg/L	2	3	3	-	-	2.2	IS 3025 (Part 44): 2023
7	Chemical Oxygen Demand	mg/L	-	-	-	-	-	14	IS 3025 (Part 58): 2023
8	Boron as B	mg/L	-	-	-	-	2	BDL	APHA 23rd edition 4500-B-B: 2017
9	Nitrate as N	mg/L	-	-	-	-	-	0.06	APHA 23rd edition 4500-NO3-B: 2017
10	Ammonia as N	mg/L	-	-	-	-	-	BDL	IS 3025 (Part 34): 2023
11	Free Ammonia as N	mg/L	-	-	-	1.2	-	BDL	APHA 23rd edition 4500-NH3-D: 2017
12	Turbidity	NTU	-	-	-	-	-	7.5	IS 3025 (Part 10): 2023
13	Total Hardness as CaCO ₃	mg/L	-	-	-	-	-	12	IS 3025 (Part 21): 2023

Station No.	3562	Page No.		
Date when collected	Date of test	Time	Place	Water Body
Name of Monitoring point	River Neeravathi (Thumbay water supply station to Mangaluru city)		SAMPLING LOCATION T.O. SPT-1	
Date of report generation	05.12.2025	RO: MANGALURU		
Date of sample collection	05.12.2025	Sample Report No.: 763		
Place of sample collection	05.12.2025	Sample No.: 01		
Place of sample collection	05.12.2025	Sample No.: 01		

Sl. No.	Parameters	Unit	Water Quality Criteria					Result	Test Method
			A	B	C	D	E		
14	Calcium as CaCO ₃	mg/L	-	-	-	-	-	8	IS 3025 (Part 46): 2023
15	Magnesium as CaCO ₃	mg/L	-	-	-	-	-	1	IS 3025 (Part 46): 2023
16	Chloride as Cl	mg/L	-	-	-	-	-	8	IS 3025 (Part 32): 2023
17	Sodium as Na	mg/L	-	-	-	-	-	2.0	IS 3025 (Part 45): 2023
18	Potassium as K	mg/L	-	-	-	-	-	1.0	IS 3025 (Part 45): 2023
19	Sulphate as SO ₄	mg/L	-	-	-	-	-	2.00	IS 3025 (Part 24): 2022
20	pH Alkalinity	mg/L	-	-	-	-	-	BDL	
21	Total Alkalinity as CaCO ₃	mg/L	-	-	-	-	-	13	
22	Bicarbonate (HCO ₃)	mg/L	-	-	-	-	-	13	IS 3025 (Part 23): 2023
23	Carbonate (CO ₃)	mg/L	-	-	-	-	-	BDL	
24	Total Dissolved Solids	mg/L	-	-	-	-	-	34	IS 3025 (Part 16): 2023
25	Total Phosphate as P	mg/L	-	-	-	-	-	0.011	IS 3025 (Part 31 Sec 1): 2022
26	Fluoride as F	mg/L	-	-	-	-	-	0.2	IS 3025 (Part 60): 2023
27	Total Kjeldhal Nitrogen	mg/L	-	-	-	-	-	BDL	IS 3025 (Part 34): 2023
28	Total Suspended Solids	mg/L	-	-	-	-	-	13	IS 3025 (Part 17): 2022
29	Percent Sodium	%	-	-	-	-	-	45.1	By Calculation
30	Sodium Absorption Ratio	-	-	-	-	-	-	0.63	IS 11624: 2023
31	Calcium as Ca	mg/L	-	-	-	-	-	3.2	IS 3025 (Part 46): 2023
32	Magnesium as Mg	mg/L	-	-	-	-	-	0.97	IS 3025 (Part 46): 2023
33	Nitrate	mg/L	-	-	-	-	-	BDL	APHA 23rd edition 4500-NO2-D: 2017
INFERENCE		Class " B " - to prescribed standards with respect to Total Coliform, as per Primary Water Quality Criteria - CPCB							
		Designated best use - Out door bathing organized							

Note: 1. The above results pertain only to the sample tested.

2. The report shall not be reproduced without the written approval of the laboratory.

Samples will be stored for a period of 10 days from the date of issue of report.

3. BDL: Below Detection Level in mg/L.

Scientific Assistant
Analysed By

Assistant Scientific Officer
Verified By

Authorised signatory
(Ravi S Gali)
Scientific Officer

-----End of Report-----



Office No. 10
No. 23A, 21st Stage,
New Bellary Road,
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KARNATAKA STATE POLLUTION CONTROL BOARD
REGIONAL LABORATORY
ISO 9001:2015 and ISO 45001:2018 CERTIFIED LABORATORY

ISO 9001:2015 and ISO 45001:2018
CERTIFIED LABORATORY
No. 23A, 21st Stage,
New Bellary Road,
Mangalore-575 001
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Fax : 0824-2331112

Date : 05.01.2026

1	Station code	3563				Page 1 of 2	
2	Date & time of Sample taken	Date	04.12.2025	Time	12:35	Type of Water Body	River water
3	Name of Monitoring Station	River Netravathi U/S of Uppinangady Town before confluence with Kumaradhara River				SAMPLE COLLECTED BY : E.O. KSPCB RO-MANGALORE	
4	Temperature	28 °C					
5	Visible Effluent Discharge in Proximity	None ✓	Moderate	High	Other	Completed by	Scientific Assistant
6	Weather	Cloudy ✓	Clear	Windy	Raining	Verified by:	Assistant Scientific Officer
7	Depth of water body (meter)	< 50 cm	50-100cm ✓	> 100 cm	Flood	AGENCY:	KARNATAKA
8	Human Activities	Cattle Wading	Melon Farming	Human Bathing	Other None ✓	Date of commencement of test	05.12.2025
9	Colour	Clear	Turbid	Green	Brownish Muddy Colour ✓	Date of completion of test	26.12.2025
10	Odour	None ✓	Fishy	H ₂ S	Other	Sample Report No.	764
11	Particulars of sample collected	River water				Sample No.	903

Sl. No	Parameters	Unit	Water Quality Criteria					Result	Test Method
			A	B	C	D	E		
1	pH	-	6.5-8.5	6.5-8.5	6.0-9.0	6.5-8.5	6.0-8.5	7.9	IS 3025 (Part 11): 2022
2	Conductivity	µS/cm	-	-	-	-	2250	51	IS 3025 (Part 14): 2023
3	Total Coliform	MPN/100ml	50	500	5000	-	-	110	IS 1622: 1981
4	Fecal Coliform	MPN/100ml	-	-	-	-	-	10	IS 1622: 1981
5	Oxygen (Dissolved)	mg/L	6	5	4	4	-	7.4	APHA 23rd edition 4500-O G: 2017
6	Biochemical Oxygen Demand @ 27° C for 3 days	mg/L	2	3	3	-	-	2.4	IS 3025 (Part 44): 2023
7	Chemical Oxygen Demand	mg/L	-	-	-	-	-	15	IS 3025 (Part 58): 2023
8	Boron as B	mg/L	-	-	-	-	2	BDL	APHA 23rd edition (4500-B B): 2017
9	Nitrate as N	mg/L	-	-	-	-	-	0.120	APHA 23rd edition 4500-NO3-B: 2017
0	Ammonia as N	mg/L	-	-	-	-	-	BDL	IS 3025 (Part 34): 2023
1	Free Ammonia as N	mg/L	-	-	-	1.2	-	BDL	APHA 23rd edition 4500-NH3-D: 2017
2	Turbidity	NTU	-	-	-	-	-	10.5	IS 3025 (Part 10): 2023
3	Total Hardness as CaCO ₃	mg/L	-	-	-	-	-	14	IS 3025 (Part 21): 2023

Station code	3563	Page No.	1
Date of Sample Collection	01/12/2023	Location	Water Body
Source of Sample	River Netravathi E/W of Uppinangady Town before confluence with Kannanadthara River	Sample Report No.	761
Time of Sample Collection	10:25	Sample Report No.	761
Time of Collection of test	26/12/2023	Sample No.	903
Time of Sample Collection	10:25	Sample No.	903

Sl. No.	Parameters	Unit	Water Quality Criteria					Result	Test Method
			A	B	C	D	E		
14	Calcium as CaCO ₃	mg/L	-	-	-	-	-	9	IS 3025 (Part 40): 2024
15	Magnesium as CaCO ₃	mg/L	-	-	-	-	-	-	IS 3025 (Part 46): 2023
16	Chloride as Cl ⁻	mg/L	-	-	-	-	-	1	IS 3025 (Part 37): 2019
17	Sodium as Na	mg/L	-	-	-	-	-	4.0	IS 3025 (Part 45): 2024
18	Potassium as K	mg/L	-	-	-	-	-	1.0	IS 3025 (Part 48): 2024
19	Sulphate as SO ₄	mg/L	-	-	-	-	-	2.50	IS 3025 (Part 24): 2022
20	pH Alkalinity	mg/L	-	-	-	-	-	BDL	
21	Total Alkalinity as CaCO ₃	mg/L	-	-	-	-	-	15	IS 3025 (Part 23): 2023
22	Bicarbonate (HCO ₃ ⁻)	mg/L	-	-	-	-	-	15	
23	Carbonate (CO ₃ ²⁻)	mg/L	-	-	-	-	-	BDL	
24	Total Dissolved Solids	mg/L	-	-	-	-	-	34	IS 3025 (Part 16): 2023
25	Total Phosphate as P	mg/L	-	-	-	-	-	0.015	IS 3025 (Part 51) Sec. 1: 2023
26	Fluoride as F ⁻	mg/L	-	-	-	-	-	0.3	IS 3025 (Part 60): 2023
27	Total Kjeldahl Nitrogen	mg/L	-	-	-	-	-	BDL	IS 3025 (Part 34): 2023
28	Total Suspended Solids	mg/L	-	-	-	-	-	18	IS 3025 (Part 17): 2023
29	Percent Sodium	%	-	-	-	-	-	36.4	By Calculation
30	Sodium Absorption Ratio	-	-	-	-	-	-	0.46	IS 11624: 2023
31	Calcium as Ca	mg/L	-	-	-	-	-	3.0	IS 3025 (Part 49): 2024
32	Magnesium as Mg	mg/L	-	-	-	-	-	1.2	IS 3025 (Part 46): 2023
33	Nitrite	mg/L	-	-	-	-	-	BDL	APHA 23rd edition 4500-NO2-D: 2017
INFERENCE			Class " B " - to prescribed standards with respect to Total Coliform as per Primary Water Quality Criteria - CPCB.						
			Designated best use - Out door bathing organized						

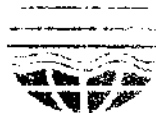
- Notes: 1. The above results pertain only to the sample tested.
2. The report shall not be reproduced without the written approval of the laboratory.
3. Samples will be stored for a period of 10 days from the date of issue of report.
4. BDL - Below Detection Level in mg/L.

Scientific Assistant
Analyzed By

Assistant Scientific Officer
Verified By

Authorised signatory
(Ravi S Gali)
Scientific Officer

—End of Report—


 KARNATAKA STATE POLLUTION CONTROL BOARD
 No. 23, 821, 1st floor,
 New Government
 Industrial Area,
 Phase - II,
 Mangalore - 575011

**KARNATAKA STATE POLLUTION CONTROL BOARD
 REGIONAL LABORATORY**
ISO 9001:2015 and ISO 45001:2018 CERTIFIED LABORATORY

 Date: 06.11.2025
 Time: 15:35
 Type of Water Body: River water
 Name of Monitoring Station: River Netravathi U/s of Dharmastala water supply intake point.
 SAMPLE COLLECTED BY: E.O. KSPCB
 RO: MANGALURU

Date :

1	Station code	1892				Page 1 of 2	
2	Date & time of Sample taken	Date	05.11.2025	Time	15:35	Type of Water Body	River water
3	Name of Monitoring Station	River Netravathi U/s of Dharmastala water supply intake point.				SAMPLE COLLECTED BY : E.O. KSPCB RO: MANGALURU	
4	Temperature	28 C					
5	Visible Effluent Discharge in Proximity	None ✓	Moderate	High	Other	Completed by	Scientific Assistant
6	Weather	Cloudy	Clear ✓	Windy	Raining	Verified by:	Assistant Scientific Officer
7	Depth of water body (meter)	< 50 cm	50-100cm	>100 cm ✓	Flood	AGENCY:	KARNATAKA
8	Human Activities	Cattle Wading	Melon Farming	Fishing	Other None ✓	Date of commencement of test	06.11.2025
9	Colour	Clear ✓	Turbid	Green	Brownish Muddy Colour	Date of completion of test	24.11.2025
10	Odour	None ✓	Fishy	H2S	Other	Sample Report No.	687
11	Particulars of sample collected	River water				Sample No.	802

Sl. No	Parameters	Unit	Water Quality Criteria					Result	Test Method
			A	B	C	D	E		
1	pH	-	6.5-8.5	6.5-8.5	6.0-9.0	6.5-8.5	6.0-8.5	8.1	IS 3025 (Part 11): 2022
2	Conductivity	µS/cm	-	-	-	-	2250	46	IS 3025 (Part 14): 2023
3	Total Coliform	MPN /100ml	50	500	5000	-	-	84	IS 1622 : 1981
4	Fecal Coliform	MPN /100ml	-	-	-	-	-	6.8	IS 1622 : 1981
5	Oxygen (Dissolved)	mg/L	6	5	4	4	-	7.6	APHA 23rd edition 4500-O (G): 2017
6	Biochemical Oxygen Demand @ 27° C for 3 days	mg/L	2	3	3	-	-	2.2	IS 3025 (Part 44): 2023
7	Chemical Oxygen Demand	mg/L	-	-	-	-	-	12	IS 3025 (Part 58): 2023
8	Boron as B	mg/L	-	-	-	-	2	BDL	APHA 23rd edition (4500-B B): 2017
9	Nitrate as N	mg/L	-	-	-	-	-	0.060	APHA 23rd edition 4500-NO3-B: 2017
10	Ammonia as N	mg/L	-	-	-	-	-	BDL	IS 3025 (Part 34): 2023
11	Free Ammonia as N	mg/L	-	-	-	1.2	-	BDL	APHA 23rd edition 4500-NH3-D: 2017
12	Turbidity	NTU	-	-	-	-	-	6	IS 3025 (Part 10): 2023
13	Total Hardness as CaCO ₃	mg/L	-	-	-	-	-	12	IS 3025 (Part 21): 2023

1. Station code	1892		Page 2 of 2	
2. Date & time of sample collection	Date	05.11.2023	Time	15.45
	Type of Water Body		River	
3. Name of Authority / S.O.	River Nerravathi Dis of Dharmastala water supply intake point		S.V.M.P. Co. Ltd. - YR	
4. Date of sample collection	05.11.2023		RO-MANGALURI	
5. Date of completion of test	05.11.2023		Sample Report No. 687	
6. Particulars of sample collected	Surface Water		Sample No. 802	

Sl. No.	Parameters	Unit	Water Quality Criteria					Result	Test Method
			A	B	C	D	E		
12	Calcium as CaCO ₃	mg/L	-	-	-	-	-	8	IS 3025 (Part 46): 2023
13	Magnesium as CaCO ₃	mg/L	-	-	-	-	-	1	IS 3025 (Part 46): 2023
16	Chloride as Cl	mg/L	-	-	-	-	-	0	IS 3025 (Part 32): 2019
17	Sodium as Na	mg/L	-	-	-	-	-	4.0	IS 3025 (Part 45): 2024
18	Potassium as K	mg/L	-	-	-	-	-	1.0	IS 3025 (Part 45): 2024
19	Sulphate as SO ₄	mg/L	-	-	-	-	-	2.5	IS 3025 (Part 24): 2022
20	pH-Alkalinity	mg/L	-	-	-	-	-	BDL	IS 3025 (Part 23): 2023
21	Total Alkalinity as CaCO ₃	mg/L	-	-	-	-	-	12	
22	Bicarbonate (HCO ₃)	mg/L	-	-	-	-	-	13	
23	Carbonate (CO ₃)	mg/L	-	-	-	-	-	BDL	
24	Total Dissolved Solids	mg/L	-	-	-	-	-	30	IS 3025 (Part 16): 2023
25	Total Phosphate as P	mg/L	-	-	-	-	-	0.012	IS 3025 (Part 51-See 1): 2022
26	Fluoride as F	mg/L	-	-	-	-	-	0.2	IS 3025 (Part 60): 2023
27	Total Kjeldhal Nitrogen	mg/L	-	-	-	-	-	BDL	IS 3025 (Part 34): 2023
28	Total Suspended Solids	mg/L	-	-	-	-	-	14	IS 3025 (Part 17): 2022
29	Percent Sodium	%	-	-	-	-	-	39.6	By Calculation
30	Sodium Absorption Ratio	-	-	-	-	-	-	0.5	IS 11624: 2023
31	Calcium as Ca	mg/L	-	-	-	-	-	3.2	IS 3025 (Part 40): 2024
32	Magnesium as Mg	mg/L	-	-	-	-	-	0.97	IS 3025 (Part 46): 2023
33	Nitrite	mg/L	-	-	-	-	-	BDL	APHA 23rd edition 4500-NO ₂ -D: 2017

INFERENCE

Class " B " - to prescribed standards with respect to Total Coliform, as per Primary Water Quality Criteria - CPCB.

Designated best use - Out door bathing organized

- Note: 1. The above results pertain only to the sample tested.
 2. The report shall not be reproduced without the written approval of the laboratory.
 3. Samples will be stored for a period of 10 days from the date of issue of report.
 4. BDL: Below Detection Level in mg/L.

Scientific Assistant
 Verified By

Assistant Scientific Officer
 Verified By

Authorised Signatory
 (Ravi S Gali)
 Scientific Officer

----- End of Report -----


 KARNATAKA STATE POLLUTION CONTROL BOARD
 REGIONAL LABORATORY
 ISO 9001:2015 and ISO 45001:2018 CERTIFIED LABORATORY

 KARNATAKA STATE POLLUTION CONTROL BOARD
 REGIONAL LABORATORY

ISO 9001:2015 and ISO 45001:2018 CERTIFIED LABORATORY

 REGIONAL LABORATORY
 BANGALORE
 KARNATAKA
 INDIA

Date :

Page 1 of 2

1	Station code	1894				Date :	
2	Date & time of Sample taken	Date	05.11.2025	Time	14:15	Type of Water Body	River water
3	Name of Monitoring Station	River Kumaradhara U/s of Uppinangady Town before confluence with Netravathi river.				SAMPLE COLLECTED BY F.O. KSPCB RO:MANGALURI	
4	Temperature	30°C					
5	Visible Effluent Discharge in Proximity	None	Moderate	High	Other	Completed by	Scientific Assistant
6	Weather	Cloudy	Clear	Windy	Raining	Verified by:	Assistant Scientific Officer
7	Depth of water body (meter)	< 50 cm	50-100cm	>100 cm	Flood	AGENCY:	KARNATAKA
8	Human Activities	Cattle Wading	Melon Farming	Fishing	Other None	Date of commencement of test	06.11.2025
9	Colour	Clear	Turbid	Green	Brownish Muddy Colour	Date of completion of test	24.11.2025
10	Odour	None	Fishy	H ₂ S	Other	Sample Report No.	688
11	Particulars of sample collected	River water				Sample No.	803

Sl. No	Parameters	Unit	Water Quality Criteria					Result	Test Method
			A	B	C	D	E		
1	pH	-	6.5-8.5	6.5-8.5	6.0-9.0	6.5-8.5	6.0-8.5	7.6	IS 3025 (Part 11): 2022
2	Conductivity	µS/cm	-	-	-	-	2250	43	IS 3025 (Part 14): 2023
3	Total Coliform	NPN/100ml	50	500	5000	-	-	110	IS 1622: 1981
4	Fecal Coliform	NPN/100ml	-	-	-	-	-	11	IS 1622: 1981
5	Oxygen (Dissolved)	mg/L	6	5	4	4	-	7.7	APHA 23rd edition 4500-O G: 2017
6	Biochemical Oxygen Demand @ 27°C for 3 days	mg/L	2	3	3	-	-	2.0	IS 3025 (Part 44): 2023
7	Chemical Oxygen Demand	mg/L	-	-	-	-	-	12	IS 3025 (Part 58): 2023
8	Boron as B	mg/L	-	-	-	-	2	BDL	APHA 23rd edition (4500-B B): 2017
9	Nitrate as N	mg/L	-	-	-	-	-	0.040	APHA 23rd edition 4500-NO ₃ -B: 2017
10	Ammonia as N	mg/L	-	-	-	-	-	BDL	IS 3025 (Part 34): 2023
11	Free Ammonia as N	mg/L	-	-	-	1.2	-	BDL	APHA 23rd edition 4500-NH ₃ -D: 2017
12	Turbidity	NTU	-	-	-	-	-	5	IS 3025 (Part 10): 2023
13	Total Hardness as CaCO ₃	mg/L	-	-	-	-	-	14	IS 3025 (Part 21): 2023

Station No.	1894	Page 1 of 2			
Date	05.11.2023	Time	10:30	Type of Water Body	River
Location	R/S to Komaradhara U/S of Eppinangady Town before confluence with Netravathi river.			IS SAMPLE COLLECTED BY: T.G. NSPEL RO/MANGALURI	
Sample No.				Sample Report No: 688	
Sample No.				Sample No: 803	
Water Quality Criteria	River Water				

Sl. No.	Parameters	Unit	Water Quality Criteria					Result	Test Method
			A	B	C	D	E		
1	Calcium as CaCO ₃	mg/l	-	-	-	-	-	9	IS 3025 (Part 40): 2021
2	Magnesium as MgCO ₃	mg/l	-	-	-	-	-	5	IS 3025 (Part 46): 2021
3	Total Hardness	mg/l	-	-	-	-	-	6	IS 3025 (Part 42): 2021
4	Sodium as Na	mg/l	-	-	-	-	-	3.6	IS 3025 (Part 45): 2021
5	Potassium as K	mg/l	-	-	-	-	-	1.0	IS 3025 (Part 45): 2021
6	Sulfate as SO ₄	mg/l	-	-	-	-	-	1.50	IS 3025 (Part 24): 2022
7	pH Alkalinity	mg/l	-	-	-	-	-	BDL	IS 3025 (Part 23): 2023
8	Total Alkalinity as CaCO ₃	mg/l	-	-	-	-	-	12	
9	Bicarbonate (HCO ₃)	mg/l	-	-	-	-	-	12	
10	Carbonate (CO ₃)	mg/l	-	-	-	-	-	BDL	IS 3025 (Part 16): 2023
11	Total Dissolved Solids	mg/L	-	-	-	-	-	28	
12	Total Phosphate as P	mg/L	-	-	-	-	-	0.011	IS 3025 (Part 51-See 1): 2022
13	Fluoride as F	mg/l	-	-	-	-	-	0.2	IS 3025 (Part 60): 2023
14	Total Kjeldahl Nitrogen	mg/l	-	-	-	-	-	BDL	IS 3025 (Part 34): 2023
15	Total Suspended Solids	mg/L	-	-	-	-	-	10	IS 3025 (Part 17): 2022
16	Percent Sodium	%	-	-	-	-	-	22.3	By Calculation
17	Sodium Absorption Ratio	-	-	-	-	-	-	0.23	IS 11674: 2023
18	Calcium as Ca	mg/L	-	-	-	-	-	3.6	IS 3025 (Part 40): 2021
19	Magnesium as Mg	mg/L	-	-	-	-	-	1.2	IS 3025 (Part 46): 2021
20	Nitrite	mg/L	-	-	-	-	-	BDL	APHA 23rd edition 4500-NO ₂ -D: 2017

INFERENCE

Class "B" - to prescribed standards with respect to Total Coliform, as per Primary Water Quality Criteria - CPCB

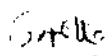
Designated best use - Outdoor bathing organized

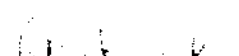
Note: 1. The above results pertain only to the sample tested.

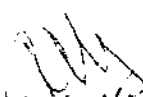
2. The report shall not be reproduced without the written approval of the laboratory.

3. Samples will be stored for a period of 10 days from the date of issue of report.

4. BDL: Below Detection Level in mg/L.


Scientific Assistant
Analysed By


Assistant Scientific Officer
Verified By


Authorised Signatory
(Ravi S Gali)
Scientific Officer

— — — End of Report — — —

KARNATAKA STATE POLLUTION CONTROL BOARD
REGIONAL LABORATORY
ISO 9001:2015 and ISO 45001:2018 CERTIFIED LABORATORY

Date :

Page 1 of 2

1	Station code	3562				Date :	
2	Date & Time of Sample taken	Date	05.11.2025	Time	10:35	Type of Water Body	River water
3	Name of Monitoring Station	River Netravathi (Thumbay water supply station to Mangaluru city)				SAMPLE COLLECTED BY E.O. KSPCB RO: MANGALURU	
4	Temperature	30 C					
5	Visible Effluent Discharge in Proximity	None x	Moderate	High	Other	Completed by	Scientific Assistant
6	Weather	Cloudy	Clear x	Windy	Raining	Verified by:	Assitant Scientific Officer
7	Depth of water body (meter)	50 cm	50-100cm	100 cm x	Flood	AGENCY:	KARNATAKA
8	Human Activities	Cattle Wading	Axelon Farming	Fishing	Other None x	Date of commencement of test	06.11.2025
9	Colour	Clear x	Turbid	Green	Brownish Muddy Colour	Date of completion of test	24.11.2025
10	Odour	None x	Fishy	H ₂ S	Other	Sample Report No.	689
11	Particulars of sample collected	River water				Sample No.	804

Sl. No	Parameters	Unit	Water Quality Criteria					Result	Test Method
			A	B	C	D	E		
1	pH	-	6.5-8.5	6.5-8.5	6.0-9.0	6.5-8.5	6.0-8.5	8.1	IS 3025 (Part 11) 2022
2	Conductivity	uS/cm	-	-	-	-	2250	47	IS 3025 (Part 14) 2023
3	Total Coliform	MPN/100ml	50	500	5000	-	-	220	IS 1622 1981
4	Fecal Coliform	MPN/100ml	-	-	-	-	-	17	IS 1622 1981
5	Oxygen (Dissolved)	mg/L	6	5	4	4	-	7.9	APHA 23rd edition 4500-O ₂ 2017
6	Biochemical Oxygen Demand @ 27 °C for 5 days	mg/L	2	3	3	-	-	2.4	IS 3025 (Part 44) 2023
7	Chemical Oxygen Demand	mg/L	-	-	-	-	-	14	IS 3025 (Part 58) 2023
8	Boron as B	mg/L	-	-	-	-	2	BDL	APHA 23rd edition 4500-B ₃ 2017
9	Nitrate as N	mg/L	-	-	-	-	-	0.05	APHA 23rd edition 4500-NO ₃ -B 2017
10	Ammonia as N	mg/L	-	-	-	-	-	BDL	IS 3025 (Part 34) 2023
11	Free Ammonia as N	mg/L	-	-	-	1.2	-	BDL	APHA 23rd edition 4500-NH ₃ -D 2017
12	Turbidity	NTU	-	-	-	-	-	7	IS 3025 (Part 10) 2023
13	Total Hardness as CaCO ₃	mg/L	-	-	-	-	-	12	IS 3025 (Part 21) 2023

1. Station code	3562	Page 2 of 2
2. Date of collection of sample	04/11/2023	Time 10:25
3. Name of Authority / S.O. / District	River Netravathi, Thimbay water supply station to Mangalore city	Source Water Body River
4. Date of completion of report	06/11/2023	Sample Report No. 689
5. Date of collection of report	06/11/2023	Sample No. 804
6. Particulars of sample received	River Water	

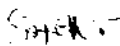
Sl. No.	Parameters	Unit	Water Quality Criteria					Result	Test Method
			A	B	C	D	E		
14	Calcium as CaCO ₃	mg/L	-	-	-	-	-	8	IS 3025 (Part 40), 2023
15	Magnesium as CaCO ₃	mg/L	-	-	-	-	-	1	IS 3025 (Part 46), 2023
16	Chloride as Cl ⁻	mg/L	-	-	-	-	-	-	IS 3025 (Part 43), 2023
17	Sodium as Na	mg/L	-	-	-	-	-	0.0	IS 3025 (Part 45), 2023
18	Potassium as K	mg/L	-	-	-	-	-	1.0	IS 3025 (Part 45), 2023
19	Sulphate as SO ₄	mg/L	-	-	-	-	-	1.90	IS 3025 (Part 34), 2023
20	P- Alkalinity	mg/L	-	-	-	-	-	BDL	IS 3025 (Part 23), 2023
21	Total Alkalinity as CaCO ₃	mg/L	-	-	-	-	-	11	
22	Bicarbonate (HCO ₃ ⁻)	mg/L	-	-	-	-	-	11	
23	Carbonate (CO ₃ ⁻)	mg/L	-	-	-	-	-	BDL	IS 3025 (Part 16), 2023
24	Total Dissolved Solids	mg/L	-	-	-	-	-	30	
25	Total Phosphate as P	mg/L	-	-	-	-	-	0.01	
26	Fluoride as F	mg/L	-	-	-	-	-	0.2	IS 3025 (Part 60), 2023
27	Total Kjeldahl Nitrogen	mg/L	-	-	-	-	-	BDL	IS 3025 (Part 34), 2023
28	Total Suspended Solids	mg/L	-	-	-	-	-	16	IS 3025 (Part 17), 2023
29	Percent Sodium	%	-	-	-	-	-	39.6	By Calculation
30	Sodium Absorption Ratio		-	-	-	-	-	0.5	IS 41624, 2023
31	Calcium as Ca	mg/L	-	-	-	-	-	3.2	IS 3025 (Part 40), 2023
32	Magnesium as Mg	mg/L	-	-	-	-	-	0.97	IS 3025 (Part 46), 2023
33	Nitrite	mg/L	-	-	-	-	-	BDL	APHA 23rd edition 4500-NO2-D: 2017
INFERENCE		Class " B " - to prescribed standards with respect to Total Coliform as per Primary Water Quality Criteria - CPCB.							
		Designated best use - Out door bathing organized.							

Note: 1. The above results pertain only to the sample tested.

2. The report shall not be reproduced without the written approval of the laboratory.

3. Samples will be stored for a period of 10 days from the date of issue of report.

4. BDL : Below Detection Level in mg/L.


Scientific Assistant
Analysed By


Assistant Scientific Officer
Verified By


Authorised signatory
(Ravi S Gali)
Scientific Officer

KARNATAKA STATE POLLUTION CONTROL BOARD
REGIONAL LABORATORY
ISO 9001:2015 and ISO 45001:2018 CERTIFIED LABORATORY

Date :

Page 1 of 7

1	Station code	3563				Date :	
2	Date & time of Sample taken	Date	05.11.2025	Time	11:40	Type of Water Body	River water
3	Name of Monitoring Station	River Netravathi LK of Uppinangady Town before confluence with Kumaradhara River				SAMPLE COLLECTED BY J.D. KSPCB	
4	Temperature	20 °C				RO: MANGALURI	
5	Visible Effluent Discharge in Proximity	None ✓	Moderate	High	Other	Completed by	Scientific Assistant
6	Weather	Cloudy	Clear ✓	Windy	Raining	Verified by:	Assistant Scientific Officer
7	Depth of water body (meter)	50 cm	50-100cm ✓	100 cm	Flood	AGENCY:	KARNATAKA
8	Human Activities	Cattle Wading	Melon Farming	Human Bathing	Other None ✓	Date of commencement of test	06.11.2025
9	Colour	Clear ✓	Turbid	Green	Brownish Muddy Colour	Date of completion of test	24.11.2025
10	Odour	None ✓	Fishy	H ₂ S	Other	Sample Report No.	690
11	Particulars of sample collected	River water				Sample No	805

Sl No	Parameters	Unit	Water Quality Criteria					Result	Test Method
			A	B	C	D	E		
1	pH	-	6.5-8.5	6.5-8.5	6.0-9.0	6.5-8.5	6.0-8.5	7.9	IS 3025 (Part 11), 2023
2	Conductivity	µS/cm	-	-	-	-	2250	45	IS 3025 (Part 14), 2023
3	Total Coliform	MPN /100ml	50	500	5000	-	-	94	IS 1622-1981
4	Fecal Coliform	MPN /100ml	-	-	-	-	-	7.8	IS 1622-1981
5	Oxygen (Dissolved)	mg/l	6	5	4	4	-	7.7	APHA 23rd edition (1500-C) 2017
6	Biochemical Oxygen Demand at 27° C for 5 days	mg/l	2	3	5	-	-	2.2	IS 3025 (Part 44), 2023
7	Chemical Oxygen Demand	mg/l	-	-	-	-	-	14	IS 3025 (Part 58), 2023
8	Boron as B	mg/l	-	-	-	-	-	BDL	APHA 23rd edition (1500-B) 2017
9	Nitrate as N	mg/l	-	-	-	-	-	0.050	APHA 23rd edition (4500-NO3-B) 2017
10	Ammonia as N	mg/l	-	-	-	-	-	BDL	IS 3025 (Part 34), 2023
11	Free Ammonia as N	mg/l	-	-	-	1.2	-	BDL	APHA 23rd edition (4500-NH3-D) 2017
12	Turbidity	NTU	-	-	-	-	-	6.5	IS 3025 (Part 10), 2023
13	Total Hardness as CaCO ₃	mg/L	-	-	-	-	-	12	IS 3025 (Part 21), 2023

1. Sample No.	2563	[Page 2 of 2]			
2. Date & time of Sample Collection	05-01-2025	Time	11:00	Type of Water Body	River
3. Name of Authority / Station	River Netravathi LS at Uppinangadi Town before confluence with Kumazadhara River			SAMPLER COLLECTED BY G. S. Gali	
4. Date of commencement of monitoring	06-01-2025				RO MANGALURI
5. Duration of monitoring (days)	1-2025				Sample Report No - 690
6. Name of the person who collected	K. S. Gali			Sample No - 805	

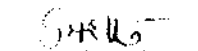
Sl. No	Parameters	Unit	Water Quality Criteria					Result	Test Method
			A	B	C	D	E		
7	Calcium as CaCO ₃	mg/L	-	-	-	-	-	8	IS 3025 (Part 43): 2021
8	Magnesium as CaCO ₃	mg/L	-	-	-	-	-	1	IS 3025 (Part 46): 2021
9	Chloride as Cl ⁻	mg/L	-	-	-	-	-	6	IS 3025 (Part 32): 2021
17	Sodium as Na	mg/L	-	-	-	-	-	1.0	IS 3025 (Part 45): 2021
18	Potassium as K	mg/L	-	-	-	-	-	1.6	IS 3025 (Part 45): 2021
19	Sulphate as SO ₄	mg/L	-	-	-	-	-	200	IS 3025 (Part 24): 2021
20	pH Alkalinity	mg/L	-	-	-	-	-	BDL	IS 3025 (Part 25): 2021
21	Total Alkalinity as CaCO ₃	mg/L	-	-	-	-	-	11	
22	Bicarbonate (HCO ₃ ⁻)	mg/L	-	-	-	-	-	11	
23	Carbonate (CO ₃ ²⁻)	mg/L	-	-	-	-	-	BDL	IS 3025 (Part 16): 2021
24	Total Dissolved Solids	mg/L	-	-	-	-	-	30	
25	Total Phosphate as P	mg/L	-	-	-	-	-	0.012	IS 3025 (Part 31 Sec 1): 2021
26	Fluoride as F	mg/L	-	-	-	-	-	0.2	IS 3025 (Part 60): 2021
27	Total Kjeldahl Nitrogen	mg/L	-	-	-	-	-	BDL	IS 3025 (Part 34): 2021
28	Total Suspended Solids	mg/L	-	-	-	-	-	14	IS 3025 (Part 37): 2021
29	Percent Sodium	%	-	-	-	-	-	39.6	By Calculation
30	Sodium Absorption Ratio	-	-	-	-	-	-	0.5	IS 11624: 2021
31	Calcium as Ca	mg/L	-	-	-	-	-	1.2	IS 3025 (Part 40): 2021
32	Magnesium as Mg	mg/L	-	-	-	-	-	0.97	IS 3025 (Part 46): 2021
33	Nitrite	mg/L	-	-	-	-	-	BDL	APHA 23rd edition 4500-NO2-D: 2017
INFERENCE		Class " B " - to prescribed standards with respect to Total Coliform , as per Primary Water Quality Criteria - CPCB.							
		Designated best use - Out door bathing organized							

Note: - The above results pertain only to the sample tested

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2. Samples will be stored for a period of 10 days from the date of issue of report

3. BDL: Below Detection Level in mg/L.


Scientific Assistant
Analysed By


Assistant Scientific Officer
Verified By


Authorised signatory
(Ravi S Gali)
Scientific Officer

—End of Report—

KCH, Panara Bhavana,
No 23 & 24 4th cross
Near ESI Hospital
Industrial Area
Bykamputy,
Mangaluru-575011

KARNATAKA STATE POLLUTION CONTROL BOARD REGIONAL LABORATORY

ISO 9001:2015 and ISO 45001:2018 CERTIFIED LABORATORY

ಕ.ರಾ.ಮಾಲಿನ್ಯ ನಿಯಂತ್ರಣ
ಭವನ, ಸಂ. 23 & 24
ಇಸಿ ಹಾಸ್ಟಲ್ ಸಮೀಪ
ಶೈಲಕುಳ ಪ್ರದೇಶ, ಬೆಂಗಳೂರು
ಮಂಗಳೂರು - 575011

Date : 21.11.2025

1	Station code	1892				Page 1 of 2		
2	Date & time of Sample taken	Date	09.10.2025	Time	13:45	Type of Water Body		River water
3	Name of Monitoring Station	River Netravathi U/s of Dharmastala water supply intake point.				SAMPLE COLLECTED BY E.O. KSPCB RO:MANGALURI		
4	Temperature	28 C						
5	Visible Effluent Discharge in Proximity	None ✓	Moderate	High	Other	Completed by	Scientific Assistant	
6	Weather	Cloudy	Clear ✓	Windy	Raining	Verified by	Assistant Scientific Officer	
7	Depth of water body (meter)	50 cm	50-100cm	100 cm+	Flood	AGENCY	KARNATAKA	
8	Human Activities	Cattle Wading	Melon Farming	Fishing	Other None ✓	Date of commencement of test	10.10.2025	
9	Colour	Clear	Turbid	Green	Brownish Muddy Colour ✓	Date of completion of test	30.10.2025	
10	Odour	None ✓	Fishy	H ₂ S	Other	Sample Report No.	578	
11	Particulars of sample collected	River water				Sample No.	697	

Sl. No	Parameters	Unit	Water Quality Criteria					Result		Test Method
			A	B	C	D	E	697	697 A	
1	pH	-	6.5-8.5	6.5-8.5	6.0-9.0	6.5-8.5	6.0-8.5	8.2	-	IS 3025 (Part 11): 2022
2	Conductivity	µS/cm	-	-	-	-	2250	45	-	IS 3025 (Part 14): 2023
3	Total Coliform	MPN/100ml	50	500	5000	-	-	94	-	IS 1622: 1981
4	Fecal Coliform	MPN/100ml	-	-	-	-	-	11	-	IS 1622: 1981
5	Oxygen (Dissolved)	mg/L	6	5	4	4	-	7.8	-	APHA 23rd edition 4500-O G: 2017
6	Biochemical Oxygen Demand @ 27° C for 3 days	mg/L	2	3	3	-	-	2.3	-	IS 3025 (Part 44): 2023
7	Chemical Oxygen Demand	mg/L	-	-	-	-	-	14	-	IS 3025 (Part 58): 2023
8	Boron as B	mg/l	-	-	-	-	2	BDL	-	APHA 23rd edition (4500-B B): 2017
9	Nitrate as N	mg/L	-	-	-	-	-	0.050	-	APHA 23rd edition 4500-NO3-B: 2017
10	Ammonia as N	mg/L	-	-	-	-	-	BDL	-	IS 3025 (Part 34): 2023
11	Free Ammonia as N	mg/L	-	-	-	1.2	-	BDL	-	APHA 23rd edition 4500-NH3-D: 2017
12	Turbidity	NTU	-	-	-	-	-	9.6	-	IS 3025 (Part 10): 2023
13	Total Hardness as CaCO ₃	mg/L	-	-	-	-	-	12	-	IS 3025 (Part 21): 2023

Station Code	1892				Page 2 of 2	
Date of Collection	Date	09/10/2023	Time	12:15	Type of Water Body	River
Name of Monitoring Station	River Netravathi U/S of Dharmastala water supply intake point.				SAMPLE COLLECTED BY U.O. KSPCB RO: MANGALURU	
Directly Collected (Yes/No)	No (Collected)				Sample Report No. 578	
Date of Sample Collection	09/10/2023				Sample No. 697	
Physical Condition of Sample Collected	River Water					

Sl. No.	Parameters	Unit	Water Quality Criteria					Result		Test Method
			A	B	C	D	E	697	697 A	
1	Calcium as CaCO ₃	mg/L	-	-	-	-	-	8		IS 3025 (Part 40): 2024
2	Magnesium as CaCO ₃	mg/L	-	-	-	-	-	4		IS 3025 (Part 46): 2023
3	Chloride as Cl ⁻	mg/L	-	-	-	-	-	6		IS 3025 (Part 32): 2019
4	Sediment (No)	mg/L	-	-	-	-	-	1.0		IS 3025 (Part 45): 2024
5	Potassium as K	mg/L	-	-	-	-	-	1.0		IS 3025 (Part 45): 2024
6	Sulphate as SO ₄	mg/L	-	-	-	-	-	1.8		IS 3025 (Part 24): 2022
7	pH Alkalinity	mg/L	-	-	-	-	-	BDL		IS 3025 (Part 23): 2023
8	Total Alkalinity as CaCO ₃	mg/L	-	-	-	-	-	14		
9	Bicarbonate (HCO ₃ ⁻)	mg/L	-	-	-	-	-	14		
10	Carbonate (CO ₃ ²⁻)	mg/L	-	-	-	-	-	BDL		
11	Total Dissolved Solids	mg/L	-	-	-	-	-	30		IS 3025 (Part 46): 2023
12	Total Phosphate as P	mg/L	-	-	-	-	-	0.016		IS 3025 (Part 46): 2023
13	Fluoride as F ⁻	mg/L	-	-	-	-	-	0.2		IS 3025 (Part 60): 2023
14	Total Kjeldahl Nitrogen	mg/L	-	-	-	-	-	BDL		IS 3025 (Part 34): 2023
15	Total Suspended Solids	mg/L	-	-	-	-	-	18		IS 3025 (Part 17): 2022
16	Percent Sodium	%	-	-	-	-	-	39.6		By Calculation
17	Sodium Absorption Ratio	-	-	-	-	-	-	0.5		IS 11624: 2023
18	Calcium as Ca	mg/L	-	-	-	-	-	3.2		IS 3025 (Part 40): 2024
19	Magnesium as Mg	mg/L	-	-	-	-	-	0.97		IS 3025 (Part 46): 2023
20	Nitrite	mg/L	-	-	-	-	-	BDL		APHA 23rd edition (18.00-NO2-N) 2017
21	Manganese (as Mn)	mg/L	-	-	-	-	-	-	BDL	APHA 23rd edition (311.01) 2017
22	Copper	mg/L	-	-	-	-	-	-	BDL	IS 3025 (Part 42): 2024
23	Iron	mg/L	-	-	-	-	-	-	0.067	IS 3025 (Part 53): 2024
24	Zinc	mg/L	-	-	-	-	-	-	BDL	IS 3025 (Part 49): 2024
25	Total Chromium	mg/L	-	-	-	-	-	-	BDL	IS 3025 (Part 52): 2023
26	Cadmium	mg/L	-	-	-	-	-	-	BDL	IS 3025 (Part 41): 2023
27	Nickel	mg/L	-	-	-	-	-	-	BDL	IS 3025 (Part 54): 2023
28	Lead	mg/L	-	-	-	-	-	-	BDL	IS 3025 (Part 47): 2024

INFERENCE

Class "B" - to prescribed standards with respect to Total coliforms, as per Primary Water Quality Criteria - CPCB.
Designated best use - Out door bathing organized

Note: 1. The above results pertain only to the sample tested.

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4. BDL: Below Detection Level in mg/L.

Scientific Assistant
Analysed By

Assistant Scientific Officer
Verified By

Authorised signatory
(Ravi S Gali)
Scientific Officer

KSPCB Mangalore Bhavan
No 23 & 24 4th cross
Near FSI Hospital
Industrial Area
Bykannapaly
Mangaluru-575011

**KARNATAKA STATE POLLUTION CONTROL BOARD
REGIONAL LABORATORY**

ISO 9001:2015 and ISO 45001:2018 CERTIFIED LABORATORY

ಕೆ.ಎಸ್.ಪಿ.ಸಿ.ಬಿ.ಎಂ. "ಕರ್ನಾಟಕ"
ಭವನ", ನಂ.23&24,
ಇಸಿಎಸ್.ಎಸ್.ಎಸ್. ಹೆಚ್.ಎಸ್.ಎಸ್.
ಶೈಕ್ಷಣಿಕ ಪ್ರದೇಶ, ಬೈಕಾನ್ಪಾಳಿ
ಮಂಗಳೂರು-575011

Date : 21.11.2025

1	Station code	1894				Page 1 of 2	
2	Date & time of Sample taken	Date	09.10.2025	Time	12:15	Type of Water Body	River water
3	Name of Monitoring Station	River Kumaradhara UK of Uppinangady before confluence with Netravathi river.				SAMPLE COLLECTED BY : FO KSPCB RO:MANGALURI	
4	Temperature	28 C					
5	Visible Effluent Discharge in Proximity	None ✓	Moderate	High	Other	Completed by	Scientific Assistant
6	Weather	Cloudy	Clear ✓	Windy	Raining	Verified by:	Assistant Scientific Officer
7	Depth of water body (meter)	~ 50 cm	50-100cm	100 cm ✓	Flood	AGENCY:	KARNATAKA
8	Human Activities	Cattle Wading	Melon Farming	Fishing	Other None ✓	Date of commencement of test	10.10.2025
9	Colour	Clear	Turbid	Green	Brownish Muddy Colour ✓	Date of completion of Sample Report No.	30.10.2025
10	Odour	None ✓	Fishy	H2S	Other		579
11	Particulars of sample collected	River water				Sample No	698

Sl. No	Parameters	Unit	Water Quality Criteria					Result		Test Method
			A	B	C	D	E	698	698 A	
1	pH	-	6.5-8.5	6.5-8.5	6.0-9.0	6.5-8.5	6.0-8.5	8.1		IS 3025 (Part 11):2022
2	Conductivity	µS/cm	-	-	-	-	2250	36		IS 3025 (Part 14): 2023
3	Total Coliform	MPN /100ml	50	500	5000	-	-	120		IS 1622: 1981
4	Fecal Coliform	MPN /100ml	-	-	-	-	-	14		IS 1622: 1981
5	Oxygen (Dissolved)	mg/L	6	5	4	4	-	7.4		APHA 23rd edition 4500-O G): 2017
6	Biochemical Oxygen Demand at 27° C for 3 days	mg/L	2	3	3	-	-	2.1		IS 3025 (Part 44): 2023
7	Chemical Oxygen Demand	mg/L	-	-	-	-	-	15		IS 3025 (Part 58): 2023
8	Boron as B	mg/L	-	-	-	-	2	BDL		APHA 23rd edition (4500-B B) : 2017
9	Nitrate as N	mg/L	-	-	-	-	-	0.034		APHA 23rd edition 4500-NO3-B: 2017
10	Ammonia as N	mg/L	-	-	-	-	-	BDL		IS 3025 (Part 34): 2023
11	Free Ammonia as N	mg/L	-	-	-	1.2	-	BDL		APHA 23rd edition 4500-NH3-D: 2017
12	Turbidity	NTU	-	-	-	-	-	9.4		IS 3025 (Part 10): 2023
13	Total Hardness as CaCO ₃	mg/L	-	-	-	-	-	12		IS 3025 (Part 21): 2023

Date of Report

Date of Sample

Time

12:15

No. of Water

Disc

River

River: Kallanadhar, U/s of Uppanangattu before
confluence with Narmathi river.

IS 3025 (Part 16): 2023

IS 3025 (Part 36): 2023

RO-MANGALURU

Sample Name: Kallanadhar

S.No.: 698

River Name

Sl. No.	Parameters	Unit	Water Quality Criteria					Result		Test Method
			A	B	C	D	E	698	698A	
1	Total Coliforms (CFU)	mg/l	-	-	-	-	-	6	-	IS 3025 (Part 16): 2023
2	Streptococcus (CFU)	mg/l	-	-	-	-	-	4	-	IS 3025 (Part 36): 2023
3	Chloride (Cl ⁻)	mg/l	-	-	-	-	-	1	-	IS 3025 (Part 32): 2019
4	Sodium (Na)	mg/l	-	-	-	-	-	20	-	IS 3025 (Part 45): 2023
5	Iron (Fe)	mg/l	-	-	-	-	-	20	-	IS 3025 (Part 45): 2023
6	Sulfate (SO ₄)	mg/l	-	-	-	-	-	BDL	-	IS 3025 (Part 45): 2023
7	Hardness	mg/l	-	-	-	-	-	10	-	IS 3025 (Part 24): 2023
8	Total Alkalinity	mg/l	-	-	-	-	-	BDL	-	IS 3025 (Part 24): 2023
9	Total Alkalinity as CaCO ₃	mg/l	-	-	-	-	-	13	-	IS 3025 (Part 23): 2023
10	Bicarbonate (HCO ₃ ⁻)	mg/l	-	-	-	-	-	13	-	
11	Carbonate (CO ₃ ²⁻)	mg/l	-	-	-	-	-	BDL	-	
12	Total Dissolved Solids	mg/l	-	-	-	-	-	13	-	IS 3025 (Part 16): 2023
13	Total Phosphate as P	mg/l	-	-	-	-	-	0.01	-	IS 3025 (Part 31): 2023
14	Fluoride as F	mg/l	-	-	-	-	-	0.2	-	IS 3025 (Part 60): 2023
15	Total Kjeldahl Nitrogen	mg/L	-	-	-	-	-	BDL	-	IS 3025 (Part 34): 2023
16	Total Suspended Solids	mg/l	-	-	-	-	-	14	-	IS 3025 (Part 17): 2022
17	Percent Sodium	%	-	-	-	-	-	24.7	-	By Calculation
18	Sodium Absorption Ratio	-	-	-	-	-	-	0.28	-	IS 11624: 2023
19	Calcium as Ca	mg/l	-	-	-	-	-	3.5	-	IS 3025 (Part 10): 2024
20	Magnesium as Mg	mg/L	-	-	-	-	-	0.97	-	IS 3025 (Part 46): 2023
21	Nitrate	mg/l	-	-	-	-	-	BDL	-	IS 3025 (Part 46): 2023
22	Manganese (as Mn)	mg/l	-	-	-	-	-	BDL	-	IS 3025 (Part 46): 2023
23	Copper	mg/l	-	-	-	-	-	BDL	-	IS 3025 (Part 42): 2023
24	Iron	mg/l	-	-	-	-	-	0.065	-	IS 3025 (Part 53): 2024
25	Zinc	mg/L	-	-	-	-	-	BDL	-	IS 3025 (Part 49): 2024
26	Total Chromium	mg/L	-	-	-	-	-	BDL	-	IS 3025 (Part 52): 2023
27	Cadmium	mg/L	-	-	-	-	-	BDL	-	IS 3025 (Part 41): 2023
28	Nickel	mg/L	-	-	-	-	-	BDL	-	IS 3025 (Part 54): 2023
29	Lead	mg/L	-	-	-	-	-	BDL	-	IS 3025 (Part 47): 2023

INFERENCE

Class - B - to prescribed standards with respect to Quality Criteria - CPCB.

Designated best use - Out door bathing organized

Note: 1. The above results pertain only to the sample tested

2. The report shall not be reproduced without the written approval of the laboratory

3. Samples will be stored for a period of 10 days from the date of issue of report

4. BDL: Below Detection Level in mg/L

Scientific Assistant
Analysed By

Assistant Scientific Officer
Verified By

Authorised Signatory
(Ravi S Gali)
Scientific Officer

— End of Report —

KSPCB Tharur Block
No 23 & 24 4th cross
Near ESI Hospital
Industrial Area
Bykampady
Mangaluru-575011

**KARNATAKA STATE POLLUTION CONTROL BOARD
REGIONAL LABORATORY**
ISO 9001:2015 and ISO 45001:2018 CERTIFIED LABORATORY

ಕರ್ನಾಟಕ ಸಾರ್ವಜನಿಕ ಸ್ವಚ್ಛತೆ ಮತ್ತು ಪರಿಸರ ನಿರ್ದೇಶನ
ಭವನ, ಸಂ.23&24,
ಇಸಿಹಾಸಿ ಆಸ್ಪತ್ರೆ ಸಮೀಪ
ಕೈಗಾರಿಕಾ ಪ್ರದೇಶ, ಬೈಕಾಂಪಡಿ
ಮಂಗಳೂರು - 575011

Date : 21.11.2025

1	Station code	3562	Page 1 of 2			
2	Date & time of Sample taken	Date	09.10.2025	Time	16:35	Type of Water Body River water
3	Name of Monitoring Station	River Netravathi (Thombay water supply station to Mangaluru city)				SAMPLE COLLECTED BY : L.O. KSPCB RO:MANGALURU
4	Temperature	20°C				
5	Visible Effluent Discharge in Proximity	None ✓	Moderate	High	Other	Completed by Scientific Assistant
6	Weather	Cloudy	Clear ✓	Windy	Raining	Verified by: Assitant Scientific Officer
7	Depth of water body (meter)	50 cm	50-100cm	>100 cms	Flood	AGENCY: KARNATAKA
8	Human Activities	Cattle Wading	Melon Farming	Fishing	Other None ✓	Date of commencement of test 10.10.2025
9	Colour	Clear ✓	Turbid	Green	Brownish Muddy Colour	Date of completion of Sample Report No. 30.10.2025
10	Odour	None ✓	Fishy	H2S	Other	580
11	Particulars of sample collected	River water				Sample No. 699

Sl. No	Parameters	Unit	Water Quality Criteria					Result		Test Method
			A	B	C	D	E	699	699A	
1	pH	-	6.5-8.5	6.5-8.5	6.0-9.0	6.5-8.5	6.0-8.5	8.1	-	IS 3025 (Part 11): 2022
2	Conductivity	µS/cm	-	-	-	-	2250	49	-	IS 3025 (Part 14): 2023
3	Total Coliform	MPN/100ml	50	500	5000	-	-	130	-	IS 1622: 1981
4	Fecal Coliform	MPN/100ml	-	-	-	-	-	15	-	IS 1622: 1981
5	Oxygen (Dissolved)	mg/L	6	5	4	4	-	7.8	-	APHA 23rd edition 4500-O G): 2017
6	Biochemical Oxygen Demand @ 27 °C for 3 days	mg/L	2	3	3	-	-	2.2	-	IS 3025 (Part 44): 2023
7	Chemical Oxygen Demand	mg/L	-	-	-	-	-	15	-	IS 3025 (Part 58): 2023
8	Boron as B	mg/L	-	-	-	-	2	BDL	-	APHA 23rd edition (4500-B B): 2017
9	Nitrate as N	mg/L	-	-	-	-	-	0.05	-	APHA 23rd edition 4500-NO3-B: 2017
10	Ammonia as N	mg/L	-	-	-	-	-	BDL	-	IS 3025 (Part 74): 2023
11	Free Ammonia as N	mg/L	-	-	-	1.2	-	BDL	-	APHA 23rd edition 4500-NH3-D: 2017
12	Turbidity	NTU	-	-	-	-	-	6.5	-	IS 3025 (Part 10): 2023
13	Total Hardness as CaCO ₃	mg/L	-	-	-	-	-	14	-	IS 3025 (Part 21): 2023

UG2

Page 10 of 10

Date: 28/08/2023

Time: 11:30 AM

City: Mangalore

Type of Water

River

Rever. Nagarajappa Thattaiyil, water supply station
(to Mangalore city)

Sample No. 001/2023
SPP-1

RO, MANGALURI

Sample Report No.: 596

S. No. 10/2023

Water Work

Sl. No.	Parameters	Unit	Water Quality Criteria					Result		Test Method
			A	B	C	D	E	699	699A	
1	Temperature (°C)	°C	-	-	-	-	-	9	-	IS 3025 (Part 10): 2019
2	Dissolved Oxygen (DO)	mg/L	-	-	-	-	-	5	-	IS 3025 (Part 46): 2019
3	pH	mg/L	-	-	-	-	-	6	-	IS 3025 (Part 32): 2019
4	Total Solids (TS)	mg/L	-	-	-	-	-	15	-	IS 3025 (Part 15): 2019
5	Total Dissolved Solids (TDS)	mg/L	-	-	-	-	-	1.0	-	IS 3025 (Part 42): 2019
6	Sulfate (SO ₄)	mg/L	-	-	-	-	-	2.5	-	IS 3025 (Part 74): 2019
7	Acidity	mg/L	-	-	-	-	-	BDL	-	-
8	Alkalinity (as CaCO ₃)	mg/L	-	-	-	-	-	16	-	IS 3025 (Part 23): 2019
9	Hardness (as CaCO ₃)	mg/L	-	-	-	-	-	16	-	-
10	Calcium (Ca)	mg/L	-	-	-	-	-	BDL	-	-
11	Total Dissolved Solids	mg/L	-	-	-	-	-	32	-	IS 3025 (Part 15): 2019
12	Total Phosphorus (P)	mg/L	-	-	-	-	-	0.06	-	IS 3025 (Part 8): 2019
13	Iron	mg/L	-	-	-	-	-	0.2	-	IS 3025 (Part 60): 2019
14	Total Chlorine Residual	mg/L	-	-	-	-	-	BDL	-	IS 3025 (Part 39): 2019
15	Total Suspended Solids	mg/L	-	-	-	-	-	14	-	IS 3025 (Part 17): 2019
16	Total Solids	mg/L	-	-	-	-	-	36.4	-	By Calculation
17	Sulfate (Sulfate)	mg/L	-	-	-	-	-	0.5	-	IS 3025 (Part 74): 2019
18	Calcium (Ca)	mg/L	-	-	-	-	-	3.6	-	IS 3025 (Part 40): 2019
19	Acidity (as CaCO ₃)	mg/L	-	-	-	-	-	1.2	-	IS 3025 (Part 10): 2019
20	Nitrite	mg/L	-	-	-	-	-	BDL	-	APHA 23rd edition (500-ND) 2017
21	Nitrate (Nitrate)	mg/L	-	-	-	-	-	-	BDL	APHA 23rd edition (500-ND) 2017
22	Chlorophyll	mg/L	-	-	-	-	-	-	BDL	IS 3025 (Part 42): 2019
23	Iron	mg/L	-	-	-	-	-	-	0.071	IS 3025 (Part 60): 2019
24	Zinc	mg/L	-	-	-	-	-	-	BDL	IS 3025 (Part 49): 2019
25	Total Chlorine	mg/L	-	-	-	-	-	-	BDL	IS 3025 (Part 32): 2019
26	Chlorine	mg/L	-	-	-	-	-	-	BDL	IS 3025 (Part 32): 2019
27	Nitrite	mg/L	-	-	-	-	-	-	BDL	IS 3025 (Part 54): 2019
28	Lead	mg/L	-	-	-	-	-	-	BDL	IS 3025 (Part 37): 2019

INTERPRET

Class "B" is prescribed standards with respect to Total coliforms, as per Primary Water Quality Criteria (CPCB).

Designated best use - Outdoor bathing organized.

Note: 1. The above results pertain only to the sample tested.

2. The report shall not be replaced without the written approval of the laboratory.

3. Samples will be stored for a period of 10 days from the date of issue of report.

4. BDL - Below Detection Level (mg/L).

Scientific Assistant
Analyst (W)

Assistant Scientific Officer
Verified by

Authorised signatory
Dr. K. S. Chaitanya



KSPCB Patasara Bhavan
No 23 & 24 1th cross
Near ESI Hospital
Industrial Area,
Bykannapalye,
Mangalore 575011

KARNATAKA STATE POLLUTION CONTROL BOARD REGIONAL LABORATORY

ISO 9001:2015 and ISO 45001:2018 CERTIFIED LABORATORY

ಕರ್ನಾಟಕ ರಾಜ್ಯ ಪರಿಸರ
ಭರಣೆ, ಸಿ.ಎ.ಎ.ಎ.ಎ.
ಪರಿಸರ ಇಲಾಖೆ
ಕರ್ನಾಟಕ ರಾಜ್ಯ ಪರಿಸರ
ಪರಿಸರ - 575011

Date : 21.11.2025

1	Station code	3563				Page 1 of 2	
2	Date & time of Sample taken	Date	09.10.2025	Time	15:25	Type of Water Body	River water
3	Name of Monitoring Station	River Netravathi U/s of Ippinangady before confluence with Kumaradhara River				SAMPLE COLLECTED BY : E.O. KSPCB	
4	Temperature	29 °C				RO:MANGALURI	
5	Visible Effluent Discharge in Proximity	None ✓	Moderate	High	Other	Completed by	Scientific Assistant
6	Weather	Cloudy	Clear ✓	Windy	Raining	Verified by	Assistant Scientific Officer
7	Depth of water body (meter)	< 50 cm	50-100cm	>100 cm	Flood	AGENCY:	KARNATAKA
8	Human Activities	Cattle Wading	Melon Farming	Human Bathing	Other None ✓	Date of commencement of test	10.10.2025
9	Colour	Clear	Turbid	Green	Brownish Muddy Colour ✓	Date of completion of test	30.10.2025
10	Odour	None ✓	Fishy	H ₂ S	Other	Sample Report No.	581
11	Particulars of sample collected	River water				Sample No.	700

Sl. No	Parameters	Unit	Water Quality Criteria					Result		Test Method
			A	B	C	D	E	700	700A	
1	pH	-	6.5-8.5	6.5-8.5	6.0-9.0	6.5-8.5	6.0-8.5	7.8		IS 3025 (Part 11):2022
2	Conductivity	µS/cm	-	-	-	-	2250	43		IS 3025 (Part 14): 2023
3	Total Coliform	MPN /100ml	50	500	5000	-	-	110		IS 1622: 1981
4	Fecal Coliform	MPN /100ml	-	-	-	-	-	10		IS 1622: 1981
5	Oxygen (Dissolved)	mg/L	6	5	4	4	-	7.5	-	APHA 23rd edition 4500-O.G.: 2017
6	Biochemical Oxygen Demand @ 27 °C for 3 days	mg/L	2	3	3	-	-	2.0		IS 3025 (Part 44): 2023
7	Chemical Oxygen Demand	mg/L	-	-	-	-	-	13		IS 3025 (Part 58): 2023
8	Boron as B	mg/L	-	-	-	-	2	BDL		APHA 23rd edition (4500-B.B): 2017
9	Nitrate as N	mg/L	-	-	-	-	-	0.030		APHA 23rd edition 4500-NO3-B: 2017
10	Ammonia as N	mg/L	-	-	-	-	-	BDL		IS 3025 (Part 34): 2023
11	Free Ammonia as N	mg/L	-	-	-	1.2	-	BDL		APHA 23rd edition 4500-NH3-D: 2017
12	Turbidity	NTU	-	-	-	-	-	9.5		IS 3025 (Part 10): 2023
13	Total Hardness as CaCO ₃	mg/L	-	-	-	-	-	12		IS 3025 (Part 21): 2023

Sl. No. 3563		Page No. 2	
Station Name	Location	Date	Time
Station Name	Location	Date	Time
River Netravathi LS of Uppinangady before confluence with Kamanadhiara River		State	Dist.
Date of collection		Sample No.	700
Date of analysis		Sample No.	700
Particulars of sample collected		River Water	

Sl. No.	Parameters	Unit	Water Quality Criteria					Result		Test Method
			A	B	C	D	E	700	700A	
14	Calcium as CaCO ₃	mg/L	-	-	-	-	-	8	-	IS 3025 (Part 46) 2023
15	Magnesium as CaCO ₃	mg/L	-	-	-	-	-	1	-	IS 3025 (Part 46) 2023
16	Chlorides as Cl ⁻	%	-	-	-	-	-	4	-	IS 3025 (Part 46) 2023
17	Sodium as Na	mg/L	-	-	-	-	-	50	-	IS 3025 (Part 46) 2023
18	Potassium as K	mg/L	-	-	-	-	-	1.0	-	IS 3025 (Part 46) 2023
19	Sulphate as SO ₄	mg/L	-	-	-	-	-	2.5	-	IS 3025 (Part 46) 2023
20	pH Alkalinity	mg/L	-	-	-	-	-	BDL	-	IS 3025 (Part 46) 2023
21	Total Alkalinity as CaCO ₃	mg/L	-	-	-	-	-	14	-	IS 3025 (Part 46) 2023
22	Bicarbonate (HCO ₃)	mg/L	-	-	-	-	-	14	-	IS 3025 (Part 46) 2023
23	Carbonate (CO ₃)	mg/L	-	-	-	-	-	BDL	-	IS 3025 (Part 46) 2023
24	Total Dissolved Solids	mg/L	-	-	-	-	-	28	-	IS 3025 (Part 46) 2023
25	Total Phosphate as P	mg/L	-	-	-	-	-	0.012	-	IS 3025 (Part 46) 2023
26	Fluoride as F	mg/L	-	-	-	-	-	0.2	-	IS 3025 (Part 46) 2023
27	Total Kjeldahl Nitrogen	mg/L	-	-	-	-	-	BDL	-	IS 3025 (Part 46) 2023
28	Total Suspended Solids	mg/L	-	-	-	-	-	18	-	IS 3025 (Part 46) 2023
29	Percent Sodium	%	-	-	-	-	-	33	-	IS 3025 (Part 46) 2023
30	Sodium Absorption Ratio	-	-	-	-	-	-	0.38	-	IS 3025 (Part 46) 2023
31	Calcium as Ca	mg/L	-	-	-	-	-	3.2	-	IS 3025 (Part 46) 2023
32	Magnesium as Mg	mg/L	-	-	-	-	-	0.97	-	IS 3025 (Part 46) 2023
33	Nitrite	mg/L	-	-	-	-	-	BDL	-	IS 3025 (Part 46) 2023
34	Manganese (as Mn)	mg/L	-	-	-	-	-	-	BDL	IS 3025 (Part 46) 2023
35	Copper	mg/L	-	-	-	-	-	-	0.068	IS 3025 (Part 46) 2023
36	Iron	mg/L	-	-	-	-	-	-	BDL	IS 3025 (Part 46) 2023
37	Zinc	mg/L	-	-	-	-	-	-	BDL	IS 3025 (Part 46) 2023
38	Total Chromium	mg/L	-	-	-	-	-	-	BDL	IS 3025 (Part 46) 2023
39	Cadmium	mg/L	-	-	-	-	-	-	BDL	IS 3025 (Part 46) 2023
40	Nickel	mg/L	-	-	-	-	-	-	BDL	IS 3025 (Part 46) 2023
41	Lead	mg/L	-	-	-	-	-	-	BDL	IS 3025 (Part 46) 2023

INFERENCE

Class "B" to prescribed standards with respect to Total coliforms, as per Primary Water Quality Criteria - CPCB
Designated best use - Out door bathing organized

- Note: 1. The above results pertain only to the sample tested.
2. The report shall not be reproduced without the written approval of the laboratory.
3. Samples will be stored for a period of 10 days from the date of issue of report.
4. BDL - Below Detection Level in mg/L.

Scientific Assistant
Analysed By

Assistant Scientific Officer
Verified By

Authorised signatory
(Ravi Gali)
Scientific Officer

—End of Report—



Government of Karnataka
 Department of Environment
 and Forests
 Regional Laboratory
 ISO 9001:2015 and ISO 45001:2018 CERTIFIED LABORATORY

KARNATAKA STATE POLLUTION CONTROL BOARD
REGIONAL LABORATORY
ISO 9001:2015 and ISO 45001:2018 CERTIFIED LABORATORY

Regional Laboratory
 Regional Laboratory
 Regional Laboratory
 Regional Laboratory
 Regional Laboratory

Date : 13.10.2025

1	Station code	1892				Page 1 of 2	
2	Date & time of Sample taken	Date	09.09.2025	Time	15:05	Type of Water Body	River water
3	Name of Monitoring Station	River Netravathi U/s of Dharmastala water supply intake point.				SAMPLE COLLECTED BY : T.O. KSPCB RO: MANGALURU	
4	Temperature	28 C				Completed by	
5	Visible Effluent Discharge in Proximity	None ✓	Moderate	High	Other	Scientific Assistant	
6	Weather	Cloudy	Clear ✓	Windy	Raining	Verified by:	
7	Depth of water body (meter)	< 50 cm	50-100cm	> 100 cm ✓	Flood	AGENCY:	
8	Human Activities	Cattle Wading	Melon Farming	Fishing	Other None ✓	Date of commencement of test	
9	Colour	Clear ✓	Turbid	Green	Brownish Muddy Colour	Date of completion of test	
10	Odour	None ✓	Fishy	H ₂ S	Other	Sample Report No.	
11	Particulars of sample collected	River water				Sample No.	

Sl. No	Parameters	Unit	Water Quality Criteria					Result	Test Method
			A	B	C	D	E		
1	pH	-	6.5-8.5	6.5-8.5	6.0-9.0	6.5-8.5	6.0-8.5	8.1	IS 3025 (Part 11): 2022
2	Conductivity	uS/cm	-	-	-	-	2250	49	IS 3025 (Part 14): 2023
3	Total Coliform	MPN /100ml	50	500	5000	-	-	<2	IS 1622: 1981
4	Fecal Coliform	MPN /100ml	-	-	-	-	-	<2	IS 1622: 1981
5	Oxygen (Dissolved)	mg/L	6	5	4	4	-	7.9	APHA 23rd edition 4500-O-G: 2017
6	Biochemical Oxygen Demand @ 27° C for 3 days	mg/L	2	3	3	-	-	2.1	IS 3025 (Part 44): 2023
7	Chemical Oxygen Demand	mg/L	-	-	-	-	-	12	IS 3025 (Part 58): 2023
8	Boron as B	mg/L	-	-	-	-	2	BDL	APHA 23rd edition (4500-B B): 2017
9	Nitrate as N	mg/l	-	-	-	-	-	0.049	APHA 23rd edition 4500-NO3-B: 2017
10	Ammonia as N	mg/L	-	-	-	-	-	BDL	IS 3025 (Part 34): 2023
11	Free Ammonia as N	mg/L	-	-	-	1.2	-	BDL	APHA 23rd edition 4500-NH3-D: 2017
12	Turbidity	NTU	-	-	-	-	-	5.5	IS 3025 (Part 10): 2023
13	Total Hardness as CaCO ₃	mg/L	-	-	-	-	-	14	IS 3025 (Part 21): 2023

Sl. No.	1892
Date of Sample Collection	08/07/2024
Time	11:45
Source of Water Body	River
Name of the sampling location	River Netravathi Us of Bharnastata water supply intake point.
Project Name	RO-MANGALURU
Project No.	462
Sampling Date	08/07/2024
Sampling Location	River Water

Sl. No.	Parameters	Unit	Water Quality Criteria					Result	Test Method
			A	B	C	D	E		
1	Calcium as CaCO ₃	mg/l	-	-	-	-	-	8	IS 3025 (Part 40): 2024
2	Magnesium as MgCO ₃	mg/l	-	-	-	-	-	5	IS 3025 (Part 40): 2024
3	Chloride as Cl	mg/l	-	-	-	-	-	8	IS 3025 (Part 32): 2019
4	Sodium as Na	mg/L	-	-	-	-	-	4.0	IS 3025 (Part 45): 2024
5	Potassium as K	mg/l	-	-	-	-	-	1.0	IS 3025 (Part 45): 2024
6	Sulphate as SO ₄	mg/L	-	-	-	-	-	2.10	IS 3025 (Part 21): 2022
7	Total Alkalinity	mg/l	-	-	-	-	-	BDL	IS 3025 (Part 23): 2023
8	Total Alkalinity as CaCO ₃	mg/L	-	-	-	-	-	16	
9	Bicarbonate (HCO ₃)	mg/l	-	-	-	-	-	16	
10	Carbonate (CO ₃)	mg/l	-	-	-	-	-	BDL	IS 3025 (Part 16): 2023
11	Total Dissolved Solids	mg/L	-	-	-	-	-	32	
12	Total Phosphate as P	mg/L	-	-	-	-	-	0.013	IS 3025 (Part 31): 2023
13	Fluoride as F	mg/l	-	-	-	-	-	0.1	IS 3025 (Part 60): 2023
14	Total Kjeldahl Nitrogen	mg/L	-	-	-	-	-	BDL	IS 3025 (Part 34): 2023
15	Total Suspended Solids	mg/L	-	-	-	-	-	14	IS 3025 (Part 17): 2022
16	Percent Sodium	%	-	-	-	-	-	36.4	By Calculation
17	Sodium Absorption Ratio	-	-	-	-	-	-	0.46	IS 4362: 2023
18	Calcium as Ca	mg/L	-	-	-	-	-	3.6	IS 3025 (Part 40): 2024
19	Magnesium as Mg	mg/L	-	-	-	-	-	1.2	IS 3025 (Part 46): 2023
20	Nitrite	mg/L	-	-	-	-	-	BDL	API (A 23rd edition 4500-NO2-D, 2017)

Class " B " - to prescribed standards with respect to BOD , as per Primary Water Quality Criteria - CPCB

INFERENCE

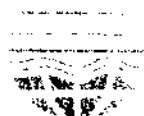
Designated best use - Out door bathing organized

- Note: 1. The above results pertain only to the sample tested
 2. The report shall not be reproduced without the written approval of the laboratory.
 3. Samples will be stored for a period of 10 days from the date of issue of report.
 4. BDL - Below Detection Level in mg/L.
 5. Total Coliform & Fecal Coliform results obtained from private Laboratory

Scientific Assistant
 Analysed By

Scientific Officer
 Verified By

Authorised signatory
 (Ravi S Gali)
 Scientific Officer



16/11/2025 4:20
16/11/2025 4:20
16/11/2025 4:20
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16/11/2025 4:20

KARNATAKA STATE POLLUTION CONTROL BOARD
REGIONAL LABORATORY
ISO 9001:2015 and ISO 45001:2018 CERTIFIED LABORATORY

16/11/2025 4:20
16/11/2025 4:20
16/11/2025 4:20
16/11/2025 4:20
16/11/2025 4:20

Date : 13.10.2025

1	Station code	1894				Page 1 of 2	
2	Date & time of Sample taken	Date	09.09.2025	Time	12:45	Type of water Body	River water
3	Name of Monitoring Station	River Kumaradhara U/s of Uppinangady Town before confluence with Netravathi river.				SAMPLE COLLECTED BY L.O. KSPCB RO: MANGALURI	
4	Temperature	28 °C					
5	Visible Effluent Discharge in Proximity	None ✓	Moderate	High	Other	Completed by	Scientific Assistant
6	Weather	Cloudy	Clear ✓	Windy	Raining	Verified by	Assistant Scientific Officer
7	Depth of water body (meter)	50 cm	50-100cm	>100 cm ✓	Flood	AGENCY	KARNATAKA
8	Human Activities	Cattle Wading	Melon Farming	Fishing	Other None ✓	Date of commencement of test	10.09.2025
9	Colour	Clear ✓	Turbid	Green	Brownish Muddy Colour	Date of completion of test	29.09.2025
10	Odour	None ✓	Fishy	H ₂ S	Other	Sample Report No.	463
11	Particulars of sample collected	River water				Sample No.	607

Sl. No	Parameters	Unit	Water Quality Criteria					Result	Test Method
			A	B	C	D	E		
1	pH	-	6.5-8.5	6.5-8.5	6.0-9.0	6.5-8.5	6.0-8.5	8.2	IS 3025 (Part 14): 2022
2	Conductivity	µS/cm	-	-	-	-	2250	41	IS 3025 (Part 14): 2023
3	Total Coliform	MPN/100ml	50	500	5000	-	-	26	IS 1622: 1981
4	Fecal Coliform	MPN/100ml	-	-	-	-	-	<2	IS 1622: 1981
5	Oxygen (Dissolved)	mg/L	6	5	4	4	-	7.8	APHA 23rd edition (500-O G): 2017
6	Biochemical Oxygen Demand @ 27° C for 3 days	mg/L	2	3	3	-	-	2.2	IS 3025 (Part 44): 2023
7	Chemical Oxygen Demand	mg/L	-	-	-	-	-	13	IS 3025 (Part 58): 2023
8	Boron as B	mg/L	-	-	-	-	2	BDL	APHA 23rd edition (4500-B B): 2017
9	Nitrate as N	mg/L	-	-	-	-	-	0.047	APHA 23rd edition 4500-NO3-B: 2017
10	Ammonia as N	mg/L	-	-	-	-	-	BDL	IS 3025 (Part 34): 2023
11	Free Ammonia as N	mg/L	-	-	-	1.2	-	BDL	APHA 23rd edition 4500-NH3-D: 2017
12	Turbidity	NTU	-	-	-	-	-	5.8	IS 3025 (Part 10): 2023
13	Total Hardness as CaCO ₃	mg/L	-	-	-	-	-	13	IS 3025 (Part 21): 2023

Sl. No.	1894	Page No.	
Address of the Sample Collection	W. No. 11, S. No. 11, T. No. 11, P. No. 11	Location of Water Body	River
Name of Monitoring Station	River Kumaradhara 1.5 km upstream of Uppinangady Town before confluence with Nitravathi river		S. No. 11, T. No. 11, P. No. 11, U. No. 11, K. No. 11, R. No. 11, M. No. 11, A. No. 11, N. No. 11, G. No. 11, A. No. 11, L. No. 11, U. No. 11, R. No. 11
Station Name	1894	Station No.	463
Station Code	1894	Station No.	607
Place of Sample Collection	River Water		

Sl. No.	Parameters	Unit	Water Quality Criteria					Result	Test Method
			A	B	C	D	E		
1	Calcium as CaCO ₃	mg/L	-	-	-	-	-	9	IS 3025 (Part 46) 2023
2	Magnesium as CaCO ₃	mg/L	-	-	-	-	-	1	IS 3025 (Part 46) 2023
3	Chloride as Cl ⁻	mg/L	-	-	-	-	-	1	IS 3025 (Part 32) 2019
17	Sodium as Na	mg/L	-	-	-	-	-	2.0	IS 3025 (Part 45) 2024
18	Potassium as K	mg/L	-	-	-	-	-	1.0	IS 3025 (Part 45) 2024
19	Sulfate as SO ₄	mg/L	-	-	-	-	-	0.60	IS 3025 (Part 24) 2022
20	pH Alkalinity	mg/L	-	-	-	-	-	BDL	IS 3025 (Part 23) 2023
21	Total Alkalinity as CaCO ₃	mg/L	-	-	-	-	-	15	
22	Bicarbonate (HCO ₃)	mg/L	-	-	-	-	-	15	
23	Carbonate (CO ₃)	mg/L	-	-	-	-	-	BDL	
24	Total Dissolved Solids	mg/L	-	-	-	-	-	26	IS 3025 (Part 16) 2023
25	Total Phosphate as P	mg/L	-	-	-	-	-	0.01	IS 3025 (Part 7) 2022
26	Fluoride as F	mg/L	-	-	-	-	-	0.2	IS 3025 (Part 60) 2023
27	Total Kjeldahl Nitrogen	mg/L	-	-	-	-	-	BDL	IS 3025 (Part 34) 2023
28	Total Suspended Solids	mg/L	-	-	-	-	-	16	IS 3025 (Part 17) 2022
29	Percent Sodium	%	-	-	-	-	-	23.4	By Calculation
30	Sodium Absorption Ratio	-	-	-	-	-	-	0.24	IS 11624 2023
31	Copper as Cu	mg/L	-	-	-	-	-	5.6	IS 3025 (Part 40) 2024
32	Magnesium as Mg	mg/L	-	-	-	-	-	0.97	IS 3025 (Part 46) 2023
33	Nitrate	mg/L	-	-	-	-	-	BDL	APHA 23rd edition 4500-NO ₂ -D, 2017

INTERPREL

Class "B" to prescribed standards with respect to BOD, as per Primary Water Quality Criteria - CPCB.

Designated best use - On floor bathing organized

Note: 1. The above results pertain only to the sample tested

2. The report shall not be reproduced without the written approval of the laboratory.

3. Samples will be stored for a period of 10 days from the date of issue of report.

4. BDL - Below Detection Level in mg/L.

5. Total Coliform & Fecal Coliform results obtained from private Laboratory

Scientific Assistant
Analysed By

Assistant Scientific Officer
Verified By

Authorised signatory
(Ravi S Gali)


KSPCB, Regional Laboratory
National Institute of
Environmental Science
Industrial Estate,
Bellary Road,
Mangalore-575001

KARNATAKA STATE POLLUTION CONTROL BOARD
REGIONAL LABORATORY
ISO 9001:2015 and ISO 45001:2018 CERTIFIED LABORATORY

KSPCB, Regional Laboratory
National Institute of
Environmental Science
Industrial Estate,
Bellary Road,
Mangalore-575001

Date : 13.10.2025

1	Station code	3562				Page 1 of 2		
2	Date & time of Sample taken	Date	09.09.2025		Time	10:40	Type of Water Body	River water
3	Name of Monitoring Station	River Netravathi (Thumbay water supply station to Mangaluru city)					SAMPLE COLLECTED BY : F.O. KSPCB RO:MANGALURU	
4	Temperature	28 C						
5	Visible Effluent Discharge in Proximity	None ☒	Moderate	High	Other	Completed by	Scientific Assistant	
6	Weather	Cloudy	Clear ☒	Windy	Raining	Verified by:	Assitant Scientific Officer	
	Depth of water body (meter)	< 50 cm	50-100cm	>100 cm ☒	Flood	AGENCY:	KARNATAKA	
8	Human Activities	Cattle Wading	Melon Farming	Fishing	Other None ☒	Date of commencement of test	10.09.2025	
9	Colour	Clear ☒	Turbid	Green	Brownish / Muddy Colour	Date of completion of test	29.09.2025	
10	Odour	None ☒	Fishy	H2S	Other	Sample Report No.	464	
11	Particulars of sample collected	River water					Sample No.	608

Sl. No	Parameters	Unit	Water Quality Criteria					Result	Test Method
			A	B	C	D	E		
1	pH	-	6.5-8.5	6.5-8.5	6.0-9.0	6.5-8.5	6.0-8.5	7.9	IS 3025 (Part 11): 2022
2	Conductivity	µS cm	-	-	-	-	2250	54	IS 3025 (Part 14): 2023
3	Total Coliform	MPN /100ml	50	500	5000	-	-	<2	IS 1622: 1981
4	Fecal Coliform	MPN /100ml	-	-	-	-	-	<2	IS 1622: 1981
5	Oxygen (Dissolved)	mg/L	6	5	4	4	-	7.7	APHA 23rd edition 4500-O G: 2017
6	Biochemical Oxygen Demand @ 27° C for 3 days	mg/L	2	3	3	-	-	2.3	IS 3025 (Part 44): 2023
7	Chemical Oxygen Demand	mg/L	-	-	-	-	-	14	IS 3025 (Part 58): 2023
8	Boron as B	mg/L	-	-	-	-	2	BDL	APHA 23rd edition (4500-B B): 2017
9	Nitrate as N	mg/L	-	-	-	-	-	0.10	APHA 23rd edition 4500-NO3-B: 2017
10	Ammonia as N	mg/L	-	-	-	-	-	BDL	IS 3025 (Part 34): 2023
11	Free Ammonia as N	mg/L	-	-	-	1.2	-	BDL	APHA 23rd edition 4500-NH3-D: 2017
12	Turbidity	NTU	-	-	-	-	-	7.2	IS 3025 (Part 10): 2023
13	Total Hardness as CaCO ₃	mg/L	-	-	-	-	-	14	IS 3025 (Part 21): 2023

Station No.	3562	Page No.	3573
Date & time of sample collection	01/09/2023	Time (hr:min)	10:00
Name of Water Body	River		
Name of Monitoring Station	River Neryavathi (Thumbay water supply station to Mangalore city)		
Date of Compliance	01/09/2023	Sample No.	464
Station		Sample No.	608
Date of compliance	01/09/2023	Sample No.	608
Particulars of sample collected	River Water		

Sl. No.	Parameters	Unit	Water Quality Criteria					Result	Test Method
			A	B	C	D	E		
14	Cadmium as Cd	mg/l	-	-	-	-	-	9	IS 3025 (Part 46): 2021
15	Mercury as Hg	mg	-	-	-	-	-	-	IS 3025 (Part 46): 2021
16	Chloride as Cl	mg/l	-	-	-	-	-	8	IS 3025 (Part 32): 2019
17	Sodium as Na	mg/l	-	-	-	-	-	8.0	IS 3025 (Part 45): 2024
18	Potassium as K	mg/l	-	-	-	-	-	1.6	IS 3025 (Part 45): 2024
19	Sulphate as SO ₄	mg/l	-	-	-	-	-	1.10	IS 3025 (Part 21): 2012
20	pH Alkalinity	mg/l	-	-	-	-	-	BDL	IS 3025 (Part 23): 2023
21	Total Alkalinity as CaCO ₃	mg/l	-	-	-	-	-	0.6	
22	Bicarbonate (HCO ₃)	mg/l	-	-	-	-	-	0.6	
23	Carbonate (CO ₃)	mg/l	-	-	-	-	-	BDL	
24	Total Dissolved Solids	mg/l	-	-	-	-	-	0.1	IS 3025 (Part 16): 2023
25	Total Phosphate as P	mg/l	-	-	-	-	-	0.012	IS 3025 (Part 11 Sec 1): 2022
26	Fluoride as F	mg/l	-	-	-	-	-	0.7	IS 3025 (Part 60): 2023
27	Total Kjeldahl Nitrogen	mg/l	-	-	-	-	-	BDL	IS 3025 (Part 34): 2023
28	Total Suspended Solids	mg/l	-	-	-	-	-	16	IS 3025 (Part 17): 2023
29	Percent Sodium	%	-	-	-	-	-	41.7	By Calculation
30	Sodium Absorption Ratio	-	-	-	-	-	-	0.88	IS 3024: 2023
31	Calcium as Ca	mg/l	-	-	-	-	-	3.6	IS 3025 (Part 40): 2024
32	Magnesium as Mg	mg/l	-	-	-	-	-	1.2	IS 3025 (Part 46): 2023
33	Nitrite	mg/L	-	-	-	-	-	BDL	APHA 23rd edition 4500-NO ₂ -D: 2017

INFERENCE

Class " B " - to prescribed standards with respect to BOD, as per Primary Water Quality Criteria - CPCB.

Designated best use - On door bathing organized.

- Notes: 1. The above results pertain only to the sample tested.
2. The report shall not be reproduced without the written approval of the laboratory.
3. Samples will be stored for a period of 10 days from the date of issue of report.
4. BDL: Below Detection Level in mg/L.
5. Total Coliform & Fecal Coliform results obtained from private laboratory.

Signature
Scientific Assistant
Analysed By

Signature
Assistant Scientific Officer
Verified By

Signature
Authorised signatory
(Ravi S Gali)
Scientific Officer



ANALYST: S. S. S. S.
No. 2/3/21/10/10/10
Name: S. S. S. S.
Industrial Area
Address
City: S. S. S. S.

**KARNATAKA STATE POLLUTION CONTROL BOARD
REGIONAL LABORATORY**
ISO 9001:2015 and ISO 45001:2018 CERTIFIED LABORATORY

Address: S. S. S. S.
Pin: 562382
Phone: 0824-254545
Fax: 0824-254545
E-mail: sss@kspcb.org

Date : 13.10.2025

1	Station code	3563	Page 1 of 2			
2	Date & time of Sample taken	Date	09.09.2025	Time	13.10	Type of Water Body River water
3	Name of Monitoring Station	River Netravathi U/s of Uppinangady Town before confluence with Kumaradhara River				SAMPLE COLLECTED BY E.O. KSPCB RO:MANGALURU
4	Temperature	29 °C				
5	Visible Effluent Discharge in Proximity	None ✓	Moderate	High	Other	Completed by Scientific Assistant
6	Weather	Cloudy	Clear ✓	Windy	Raining	Verified by: Assistant Scientific Officer
7	Depth of water body (meter)	~ 50 cm	50-100cm ✓	~100 cm	Flood	AGENCY: KARNATAKA
8	Human Activities	Cattle Wading	Melon Farming	Human Bathing	Other None ✓	Date of commencement of test 9.09.2025
9	Colour	Clear ✓	Turbid	Green	Brownish Muddy Colour	Date of completion of test 29.09.2025
10	Odour	None ✓	Fishy	H ₂ S	Other	Sample Report No. 465
11	Particulars of sample collected	River water				Sample No. 609

Sl. No	Parameters	Unit	Water Quality Criteria					Result	Test Method
			A	B	C	D	E		
1	pH	-	6.5-8.5	6.5-8.5	6.0-9.0	6.5-8.5	6.0-8.5	8	IS 3025 (Part 11): 2022
2	Conductivity	µS/cm	-	-	-	-	2250	46	IS 3025 (Part 14): 2023
3	Total Coliform	MPN/100ml	50	500	5000	-	-	80	IS 1622: 1981
4	Fecal Coliform	MPN/100ml	-	-	-	-	-	<2	IS 1622: 1981
5	Oxygen (Dissolved)	mg/L	6	5	4	4	-	7.6	APHA 23rd edition 4500-O-G: 2017
6	Biochemical Oxygen Demand @ 27° C for 5 days	mg/L	2	3	3	-	-	2.2	IS 3025 (Part 44): 2023
7	Chemical Oxygen Demand	mg/L	-	-	-	-	-	12	IS 3025 (Part 58): 2023
8	Boron as B	mg/L	-	-	-	-	2	BDL	APHA 23rd edition (4500-B-B): 2017
9	Nitrate as N	mg/L	-	-	-	-	-	0.045	APHA 23rd edition 4500-NO ₃ -B: 2017
10	Ammonia as N	mg/L	-	-	-	-	-	BDL	IS 3025 (Part 34): 2023
11	Free Ammonia as N	mg/L	-	-	-	1.2	-	BDL	APHA 23rd edition 4500-NH ₃ -D: 2017
12	Turbidity	NTU	-	-	-	-	-	5.8	IS 3025 (Part 10): 2023
13	Total Hardness as CaCO ₃	mg/L	-	-	-	-	-	12	IS 3025 (Part 21): 2023

1. Station code	3563	Page No. 2
2. Date & Time of Sample taken	Date: 09.09.2025 Time: 3.00	Type of Water Body: River
3. Name of the source/Station	River Netravathi Us of Uppinangady Town before confluence with Kumaradhara River	S.S.V. - COLLEGE (2024) L.O. KSPCB RO-MANGALURU
4. Date of commencement of test	10.09.2025	Sample Report No. 465
5. Date of completion of test	29.09.2025	Sample No. 609
6. Particulars of sample collected	River Water	

Sl. No.	Parameters	Unit	Water Quality Criteria					Result	Test Method
			A	B	C	D	E		
14	Calcium as CaCO ₃	mg/L	-	-	-	-	-	8	IS 3025 (Part 46): 2023
15	Magnesium as CaCO ₃	mg/L	-	-	-	-	-	4	IS 3025 (Part 46): 2023
16	Chloride as Cl ⁻	mg/L	-	-	-	-	-	6	IS 3025 (Part 32): 2019
17	Sodium as Na	mg/L	-	-	-	-	-	1.0	IS 3025 (Part 45): 2024
18	Potassium as K	mg/L	-	-	-	-	-	1.0	IS 3025 (Part 45): 2024
19	Sulphate as SO ₄	mg/L	-	-	-	-	-	1.0	IS 3025 (Part 45): 2024
20	P- Alkalinity	mg/L	-	-	-	-	-	BDL	IS 3025 (Part 24): 2022
21	Total Alkalinity as CaCO ₃	mg/L	-	-	-	-	-	15	IS 3025 (Part 23): 2023
22	Bicarbonate (HCO ₃ ⁻)	mg/L	-	-	-	-	-	15	
23	Carbonate (CO ₃ ²⁻)	mg/L	-	-	-	-	-	BDL	
24	Total Dissolved Solids	mg/L	-	-	-	-	-	50	IS 3025 (Part 16): 2023
25	Total Phosphate as P	mg/L	-	-	-	-	-	0.012	IS 3025 (Part 31) Sec 1: 2022
26	Fluoride as F	mg/L	-	-	-	-	-	0.2	IS 3025 (Part 60): 2023
27	Total Kjeldhal Nitrogen	mg/L	-	-	-	-	-	BDL	IS 3025 (Part 31): 2023
28	Total Suspended Solids	mg/L	-	-	-	-	-	14	IS 3025 (Part 17): 2022
29	Percent Sodium	%	-	-	-	-	-	39.6	By Calculator
30	Sodium Absorption Ratio	-	-	-	-	-	-	0.5	IS 11624: 2023
31	Calcium as Ca	mg/L	-	-	-	-	-	5.2	IS 3025 (Part 40): 2024
32	Magnesium as Mg	mg/L	-	-	-	-	-	0.97	IS 3025 (Part 46): 2023
33	Nitrite	mg/L	-	-	-	-	-	BDL	APHA 23rd edition 4500-NO2-D: 2017

INFERENCE

Class "B" - to prescribed standards with respect to BOD₅ as per Primary Water Quality Criteria - CPCB
Designated best use - Out door bathing organized

- Note:**
- The above results pertain only to the sample tested.
 - The report shall not be reproduced without the written approval of the laboratory.
 - Samples will be stored for a period of 10 days from the date of issue of report.
 - BDL: Below Detection Level in mg/L.
 - Total Coliform & Fecal Coliform results obtained from private Laboratory.

Scientific Assistant
Analysed By

Assistant Scientific Officer
Verified By

Authorised signatory
(Ravi S Gali)
Scientific Officer

-----End of Report-----

44

Sl. No. of Report
Name of the Laboratory
Address of the Laboratory
City/Town/Village
State

KARNATAKA STATE POLLUTION CONTROL BOARD
REGIONAL LABORATORY

ISO 9001:2015 and ISO 45001:2018 CERTIFIED LABORATORY

Date: 08.09.2025

1	Station code	1892	Page 1 of 2			
2	Date & time of Sample taken	Date: 06.08.2025	Time: 13:55	Type of Water Body	River water	
3	Name of Monitoring Station	River Netravathi U/s of Dharmastala water supply intake point.			SAMPLE COLLECTED BY L.O. KSPCB RO: MANGALURI	
4	Temperature	27°C				
5	Visible Effluent Discharge in Proximity	None x	Moderate	High	Other	Completed by: Scientific Assistant
6	Weather	Cloudy x	Clear	Windy	Raining	Verified by: Assistant Secretary Officer
	Depth of water body (meter)	50 cm	50-100cm	100 cm	Flood	AGENCY: KARNATAKA
8	Human Activities	Cattle Wading	Melon Farming	Fishing	Other None x	Date of commencement of test: 06.08.2025
9	Colour	Clear x	Turbid	Green	Brownish Muddy Colour	Date of completion of test: 25.08.2025
10	Odour	None x	Fishy	112S	Other	Sample Report No.: 374
11	Particulars of sample collected	River water			Sample No:	370

Sl. No	Parameters	Unit	Water Quality Criteria					Result	Test Method
			A	B	C	D	E		
1	pH	-	6.5-8.5	6.5-8.5	6.0-9.0	6.5-8.5	6.0-8.5	7.8	IS 3025 (Part 11), 2012
2	Conductivity	µS/cm	-	-	-	-	2250	6.1	IS 3025 (Part 11), 2012
3	Total Coliform	MPN/100ml	50	500	5000	-	-	210	APHA 23rd edition (9221B), 2017
4	Fecal Coliform	MPN/100ml	-	-	-	-	-	17	APHA 23rd edition (9221E), 2017
5	Oxygen (Dissolved)	mg/L	6	5	4	4	-	7.7	APHA 23rd edition (4500 O-G), 2017
6	Biochemical Oxygen Demand @ 27°C for 3 days	mg/L	2	3	3	-	-	2.0	IS 3025 (Part 11), 2012
7	Chemical Oxygen Demand	mg/L	-	-	-	-	-	13	IS 3025 (Part 11), 2012
8	Boron as B	mg/L	-	-	-	-	-	BDL	APHA 23rd edition (4500 B-B), 2017
9	Nitrate as N	mg/L	-	-	-	-	-	0.080	APHA 23rd edition (4500 N-NO3-B), 2017
10	Ammonia as N	mg/L	-	-	-	-	-	BDL	IS 3025 (Part 11), 2012
11	Free Ammonia as N	mg/L	-	-	-	1.2	-	BDL	APHA 23rd edition (4500 NH4-D), 2017
12	Turbidity	NTU	-	-	-	-	-	6.2	IS 3025 (Part 11), 2012
13	Total Hardness as CaCO ₃	mg/L	-	-	-	-	-	12	IS 3025 (Part 11), 2012

Sl. No.	1892	Project No.	
Location		Station	
Source	Below Sewerage Lines at Dhanuvaran, Kalyan, Tal. Ulhasnagar, Dist. Thane	Sample No.	1892/2023
Sampling Date	06/07/2023	MO, DATE, YEAR	
Sampling Time	09:00 AM	Time	
Sampling Depth	0.5m	Sample No. & ID	
Sampling Method	Grab		
Sampling Point	Below Sewerage Lines at Dhanuvaran, Kalyan, Tal. Ulhasnagar, Dist. Thane		

Sl. No.	Parameters	Unit	Water Quality Criteria					Result	Test Method
			A	B	C	D	E		
1	Total Coliforms (CFU)	100 ml	-	-	-	-	-	8	IS 3025 (Part 19) 2023
2	Fecal Coliforms (CFU)	100 ml	-	-	-	-	-	0	IS 3025 (Part 19) 2023
3	Fecal Streptococci (CFU)	100 ml	-	-	-	-	-	0	IS 3025 (Part 19) 2023
4	Streptococcus faecalis	100 ml	-	-	-	-	-	3.0	IS 3025 (Part 19) 2023
5	Streptococcus faecalis	100 ml	-	-	-	-	-	1.0	IS 3025 (Part 19) 2023
6	Streptococcus faecalis	100 ml	-	-	-	-	-	0.80	IS 3025 (Part 19) 2023
7	Streptococcus faecalis	100 ml	-	-	-	-	-	3.00	IS 3025 (Part 19) 2023
8	Streptococcus faecalis	100 ml	-	-	-	-	-	1.0	IS 3025 (Part 19) 2023
9	Bacteriophage (TCID ₅₀)	100 ml	-	-	-	-	-	BDI	IS 3025 (Part 19) 2023
10	Total Dissolved Solids	mg/l	-	-	-	-	-	26	IS 3025 (Part 19) 2023
11	Total Phosphate as P	mg/l	-	-	-	-	-	0.1	IS 3025 (Part 19) 2023
12	Total Nitrate as N	mg/l	-	-	-	-	-	0.7	IS 3025 (Part 19) 2023
13	Total Ammonia Nitrogen	mg/l	-	-	-	-	-	3.0	IS 3025 (Part 19) 2023
14	Total Suspended Solids	mg/l	-	-	-	-	-	18	IS 3025 (Part 19) 2023
15	Free Chlorine Residual	mg/l	-	-	-	-	-	1.5	IS 3025 (Part 19) 2023
16	Calcium as Ca	mg/l	-	-	-	-	-	5.2	IS 3025 (Part 19) 2023
17	Magnesium as Mg	mg/l	-	-	-	-	-	0.97	IS 3025 (Part 19) 2023
18	Sodium	mg/l	-	-	-	-	-	BDI	APIA 23rd edition (ISO 9000:2012) 2012

Class "B" is prescribed standards with respect to Total coliforms, as per Primary Water Quality Criteria (CPCB).

INFERENCE

Designated best use: Garbage dumping organized

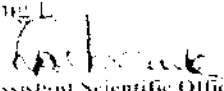
Note: 1. The above results pertain only to the sample tested.

2. This report shall not be reproduced without the written approval of the laboratory.

3. Sample will be stored for a period of 30 days from the date of issue of report.

4. Below Detection level in mg/L

Scientific Assistant
Analyst (B)


Assistant Scientific Officer
Verified by


Authorised signatory
(Ravi S Gali)

5

KARNATAKA STATE POLLUTION CONTROL BOARD
REGIONAL LABORATORY

ISO 9001:2015 and ISO 45001:2018 CERTIFIED LABORATORY

Page No. _____

Date: 08.09.2025

1	Station code	1894				Page 1 of 2	
2	Date & time of Sample taken	Date	06.08.2025	Time	12:15	Type of Water Body	River water
3	Name of Monitoring Station	River Kumaradhara U/s of Uppinangady Town before confluence with Netravathi river.				SAMPLE COLLECTED BY: L.O. KSPCB RO: MANGALURI	
4	Temperature	27 °C					
5	Visible Effluent Discharge in Proximity	None	Modest	High	Other	Completely	Scientific Version
6	Weather	Cloudy	Clear	Windy	Raining	Verified by:	Assistant Scientific Officer
7	Depth of water body (meter)	< 50 cm	50-100cm	>100 cm	Flood	AGENCY	KARNATAKA
8	Human Activities	Cattle Wading	Melon Farming	Fishing	Other None	Date of commencement of test	06.08.2025
9	Colour	Clear	Turbid	Green	Brownish Muddy Colour	Date of completion of test	25.08.2025
10	Odour	None	Fishy	HTS	Other	Sample Report No.	375
11	Particulars of sample collected	River water				Sample No	374

Sl No.	Parameters	Unit	Water Quality Criteria					Result	Test Method
			A	B	C	D	E		
1	pH	-	6.5-8.5	6.5-8.5	6.0-9.0	6.5-8.5	6.0-8.5	8.2	IS 3025 (Part 3): 2003
2	Conductivity	µS/cm	-	-	-	-	3250	33	IS 3025 (Part 4): 2003
3	Total Coliform	MPN/100ml	50	500	5000	-	-	110	APHA 19th edition (2021) 3017
4	Fecal Coliform	MPN/100ml	-	-	-	-	-	14	APHA 19th edition (2021) 3021
5	Oxygen (Dissolved)	mg/l	6	5	4	4	-	7.6	APHA 19th edition (2021) 500.0 G, 2017
6	Biochemical Oxygen Demand @ 27 °C for 5 days	mg/L	2	3	3	-	-	1.8	IS 3025 (Part 4): 2003
7	Chemical Oxygen Demand	mg/L	-	-	-	-	-	1.2	IS 3025 (Part 5): 2003
8	Boron as B	mg/L	-	-	-	-	2	BIDL	APHA 19th edition (2021) 500.0 G, 2017
9	Nitrate as N	mg/L	-	-	-	-	-	0.016	APHA 19th edition (2021) 500.0 G, 2017
10	Ammonia as N	mg/L	-	-	-	-	-	301	IS 3025 (Part 5): 2003
11	Free Ammonia as N	mg/L	-	-	-	1.2	-	BIDL	APHA 19th edition (2021) 500.0 G, 2017
12	Turbidity	NTU	-	-	-	-	-	12.2	IS 3025 (Part 6): 2003
13	Total Hardness as CaCO ₃	mg/L	-	-	-	-	-	10	IS 3025 (Part 7): 2003

1. *Staphylococcus aureus* (1000)
 2. *Staphylococcus aureus* (1000)
 3. *Staphylococcus aureus* (1000)

1. *Chlorophyll a* and *Chlorophyll b* were determined by the method of Arar and Collins (1987).

1. *Journal of the American Medical Association*, 1997; 278: 1039-1044.

1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 2679, 2680, 26

$$K = \frac{1}{2} \frac{d^2 \sigma}{d\tau^2}$$

Class - B - to prescribed standards with respect to "Total coliforms", as per Primary Water Quality Criteria - CPCB	4500-ND-10-20
Designated best use - On door bathing organized	

Class - B - to prescribed standards with respect to "Total coliforms", as per Primary Water Quality Criteria - CPCB	4500-ND-10-20
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KARNATAKA STATE POLLUTION CONTROL BOARD
REGIONAL LABORATORY
ISO 9001:2015 and ISO 45001:2018 CERTIFIED LABORATORY

Date : 08.09.2025

Page No: 2

Station Code	3562				Date : 08.09.2025	
Date & time of Sample taken	Date	06.08.2025	Time	11:15	Type of Water Body	River water
Name of Monitoring Station	River Netravathi (Thumbay water supply station to Mangaluru city)				SAMPLE COLLECTED BY L.O. KSPCB RO:MANGALURU	
Temperature	28 °C					
Visible Effluent Discharge in Proximity	None	Moderate	High	Other	Completed by	Scientific Assistant
Weather	Cloudy	Clear	Windy	Raining	Verified by	Assistant Scientific Officer
Depth of water body (meters)	50 cm	50-100cm	100-2m	Flood	AGENCY:	KARNATAKA
Human Activities	Cattle Wading	Melon Farming	Fishing	Other: None	Date of commencement of test	06.08.2025
Colour	Clear	Turbid	Green	Brownish / Muddy Colour s	Date of completion of test	25.08.2025
Odour	None	Fishy	H2S	Other	Sample Report No.	376
Particulars of sample collected	River water				Sample No	372

Parameters	Unit	Water Quality Criteria					Result	Test Method
		A	B	C	D	E		
pH	-	6.5-8.5	6.5-8.5	6.0-9.0	6.5-8.5	6.0-8.5	8.2	IS 3025 (Part 11):2012
Conductivity	uS/cm	-	-	-	-	2250	45	IS 3025 (Part 11): 2012
Total Coliform	NPN /100ml	50	500	5000	-	-	26	APHA 1922-19-2017
Fecal Coliform	NPN /100ml	-	-	-	-	-	55	APHA 1922-19-2017
Oxygen (Dissolved)	mg/l	6	5	4	4	-	7.9	APHA 23rd edition (500-B) (1): 2017
Biochemical Oxygen Demand at 27 °C for 5 days	mg/l	2	3	5	-	-	2.4	IS 3025 (Part 11): 2012
Chemical Oxygen Demand	mg/L	-	-	-	-	-	15	IS 3025 (Part 58): 2013
Boron as B	mg/L	-	-	-	-	2	BDI	APHA 23rd edition (4500-B) (B): 2017
Nitrate as N	mg/l	-	-	-	-	-	0.10	APHA 23rd edition (4500-NO3-B) (B): 2017
Ammonia as N	mg/l	-	-	-	-	-	BDI	IS 3025 (Part 54): 2012
Free Ammonia as N	mg/l	-	-	-	1.2	-	BDI	APHA 23rd edition (4500-NH3-D): 2017
Turbidity	NTU	-	-	-	-	-	11.1	IS 3025 (Part 10): 2012
Total Hardness as CaCO ₃	mg/l	-	-	-	-	-	13	IS 3025 (Part 11): 2012

KARNATAKA STATE POLLUTION CONTROL BOARD
REGIONAL LABORATORY
 ISO 9001:2015 and ISO 45001:2018 CERTIFIED LABORATORY

Date : 08.09.2025

1. Station code	3563				Page 1 of 2	
2. Date & time of Sample taken	Date	06.08.2025	Time	12:35	Type of Water Body	River water
3. Name of Monitoring Station	River Netravathi U/s of Uppinangady Town before confluence with Kumaradhara River				SAMPLE COLLECTED BY I.O. KSPCB RO, MANGALURI	
4. Temperature	27°C					
5. Visible Effluent Discharge in Proximity	None	Moderate	High	Other	Completed by	Scientific Assistant
6. Weather	Cloudy	Clear	Windy	Raining	Verified by	Assistant Scientific Officer
7. Depth of water body (meters)	50 cm	50-100cm	100 cm	Other	AGENCY:	KARNATAKA
8. Human Activities	Cattle Wading	Melon Farming	Human Bathing	Other None	Date of commencement of test	06.08.2025
9. Colour	Clear	Turbid	Green	Brownish Muddy Colour	Date of completion of test	28.08.2025
10. Odour	None	Fishy	HTS	Other	Sample Report No.	377
11. Particulars of sample collected	River water				Sample No	373

Sl. No	Parameters	Unit	Water Quality Criteria					Result	Test Method
			A	B	C	D	E		
1	pH	-	6.5-8.5	6.5-8.5	6.0-9.0	6.5-8.5	6.0-8.5	8.1	IS 3025 (Part 1) 1992
2	Conductivity	µS/cm	-	-	-	-	2250	42	IS 3025 (Part 1) 1992
3	Total Coliform	MPN/100ml	50	500	5000	-	-	210	APHA 2nd edition (922) B-1907
4	Fecal Coliform	MPN/100ml	-	-	-	-	-	20	APHA 2nd edition (922) B-1907
5	Oxygen (Dissolved)	mg/l	6	5	4	4	-	7.8	APHA 2nd edition (4500-O O ₂) 2017
6	Biochemical Oxygen Demand at 27°C for 5 days	mg/l	2	3	3	-	-	2.2	IS 3025 (Part 1) 1992
7	Chemical Oxygen Demand	mg/l	-	-	-	-	-	11	IS 3025 (Part 1) 1992
8	Boron as B	mg/l	-	-	-	-	2	BDL	APHA 2nd edition (6500-B B) 2017
9	Nitrate as N	mg/l	-	-	-	-	-	0.08	APHA 2nd edition (4500-N O ₃ -B) 2017
10	Ammonia as N	mg/l	-	-	-	-	-	BDL	IS 3025 (Part 1) 1992
11	Free Ammonia as N	mg/l	-	-	-	1.2	-	BDL	APHA 2nd edition (4500-NH3-B) 2017
12	Turbidity	NTU	-	-	-	-	-	11.3	IS 3025 (Part 1) 1992
13	Total Hardness as CaCO ₃	mg/l	-	-	-	-	-	10	IS 3025 (Part 1) 1992

Report No. _____
 Connected with Karnataka Health

ROZANGA MURU

Sample No. _____

Sample Date _____

Sl. No.	Parameters	Unit	Water Quality Criteria					Result	Test Method
			A	B	C	D	E		
1	Total Dissolved Solids (TDS)	mg/l	-	-	-	-	-	18	IS 3025 (Part 1) 2002
2	Total Suspended Solids (TSS)	mg/l	-	-	-	-	-	18	IS 3025 (Part 2) 2002
3	Calcium (Ca)	mg/l	-	-	-	-	-	18	IS 3025 (Part 3) 2002
4	Magnesium (Mg)	mg/l	-	-	-	-	-	18	IS 3025 (Part 4) 2002
5	Chloride (Cl)	mg/l	-	-	-	-	-	18	IS 3025 (Part 5) 2002
6	Sulfate (SO ₄)	mg/l	-	-	-	-	-	18	IS 3025 (Part 6) 2002
7	Iron (Fe)	mg/l	-	-	-	-	-	18	IS 3025 (Part 7) 2002
8	Copper (Cu)	mg/l	-	-	-	-	-	18	IS 3025 (Part 8) 2002
9	Zinc (Zn)	mg/l	-	-	-	-	-	18	IS 3025 (Part 9) 2002
10	Manganese (Mn)	mg/l	-	-	-	-	-	18	IS 3025 (Part 10) 2002
11	Nitrate (NO ₃)	mg/l	-	-	-	-	-	18	IS 3025 (Part 11) 2002
12	Nitrite (NO ₂)	mg/l	-	-	-	-	-	18	IS 3025 (Part 12) 2002
13	Ammonia (NH ₃)	mg/l	-	-	-	-	-	18	IS 3025 (Part 13) 2002
14	Fluoride (F)	mg/l	-	-	-	-	-	18	IS 3025 (Part 14) 2002
15	Hardness (CaCO ₃)	mg/l	-	-	-	-	-	18	IS 3025 (Part 15) 2002
16	Alkalinity (CaCO ₃)	mg/l	-	-	-	-	-	18	IS 3025 (Part 16) 2002
17	pH		-	-	-	-	-	18	IS 3025 (Part 17) 2002
18	Color (Pt-Co)	mg/l	-	-	-	-	-	18	IS 3025 (Part 18) 2002
19	Odor		-	-	-	-	-	18	IS 3025 (Part 19) 2002
20	Turbidity (NTU)	mg/l	-	-	-	-	-	18	IS 3025 (Part 20) 2002
21	Residual Chlorine (RC)	mg/l	-	-	-	-	-	18	IS 3025 (Part 21) 2002
22	Free Residual Chlorine (FRC)	mg/l	-	-	-	-	-	18	IS 3025 (Part 22) 2002
23	Total Residual Chlorine (TRC)	mg/l	-	-	-	-	-	18	IS 3025 (Part 23) 2002
24	Chlorophyll a	mg/l	-	-	-	-	-	18	IS 3025 (Part 24) 2002
25	Chlorophyll b	mg/l	-	-	-	-	-	18	IS 3025 (Part 25) 2002
26	Chlorophyll c	mg/l	-	-	-	-	-	18	IS 3025 (Part 26) 2002
27	Chlorophyll d	mg/l	-	-	-	-	-	18	IS 3025 (Part 27) 2002
28	Chlorophyll e	mg/l	-	-	-	-	-	18	IS 3025 (Part 28) 2002
29	Chlorophyll f	mg/l	-	-	-	-	-	18	IS 3025 (Part 29) 2002
30	Chlorophyll g	mg/l	-	-	-	-	-	18	IS 3025 (Part 30) 2002
31	Chlorophyll h	mg/l	-	-	-	-	-	18	IS 3025 (Part 31) 2002
32	Chlorophyll i	mg/l	-	-	-	-	-	18	IS 3025 (Part 32) 2002
33	Chlorophyll j	mg/l	-	-	-	-	-	18	IS 3025 (Part 33) 2002
34	Chlorophyll k	mg/l	-	-	-	-	-	18	IS 3025 (Part 34) 2002
35	Chlorophyll l	mg/l	-	-	-	-	-	18	IS 3025 (Part 35) 2002
36	Chlorophyll m	mg/l	-	-	-	-	-	18	IS 3025 (Part 36) 2002
37	Chlorophyll n	mg/l	-	-	-	-	-	18	IS 3025 (Part 37) 2002
38	Chlorophyll o	mg/l	-	-	-	-	-	18	IS 3025 (Part 38) 2002
39	Chlorophyll p	mg/l	-	-	-	-	-	18	IS 3025 (Part 39) 2002
40	Chlorophyll q	mg/l	-	-	-	-	-	18	IS 3025 (Part 40) 2002
41	Chlorophyll r	mg/l	-	-	-	-	-	18	IS 3025 (Part 41) 2002
42	Chlorophyll s	mg/l	-	-	-	-	-	18	IS 3025 (Part 42) 2002
43	Chlorophyll t	mg/l	-	-	-	-	-	18	IS 3025 (Part 43) 2002
44	Chlorophyll u	mg/l	-	-	-	-	-	18	IS 3025 (Part 44) 2002
45	Chlorophyll v	mg/l	-	-	-	-	-	18	IS 3025 (Part 45) 2002
46	Chlorophyll w	mg/l	-	-	-	-	-	18	IS 3025 (Part 46) 2002
47	Chlorophyll x	mg/l	-	-	-	-	-	18	IS 3025 (Part 47) 2002
48	Chlorophyll y	mg/l	-	-	-	-	-	18	IS 3025 (Part 48) 2002
49	Chlorophyll z	mg/l	-	-	-	-	-	18	IS 3025 (Part 49) 2002
50	Chlorophyll aa	mg/l	-	-	-	-	-	18	IS 3025 (Part 50) 2002
51	Chlorophyll ab	mg/l	-	-	-	-	-	18	IS 3025 (Part 51) 2002
52	Chlorophyll ac	mg/l	-	-	-	-	-	18	IS 3025 (Part 52) 2002
53	Chlorophyll ad	mg/l	-	-	-	-	-	18	IS 3025 (Part 53) 2002
54	Chlorophyll ae	mg/l	-	-	-	-	-	18	IS 3025 (Part 54) 2002
55	Chlorophyll af	mg/l	-	-	-	-	-	18	IS 3025 (Part 55) 2002
56	Chlorophyll ag	mg/l	-	-	-	-	-	18	IS 3025 (Part 56) 2002
57	Chlorophyll ah	mg/l	-	-	-	-	-	18	IS 3025 (Part 57) 2002
58	Chlorophyll ai	mg/l	-	-	-	-	-	18	IS 3025 (Part 58) 2002
59	Chlorophyll aj	mg/l	-	-	-	-	-	18	IS 3025 (Part 59) 2002
60	Chlorophyll ak	mg/l	-	-	-	-	-	18	IS 3025 (Part 60) 2002
61	Chlorophyll al	mg/l	-	-	-	-	-	18	IS 3025 (Part 61) 2002
62	Chlorophyll am	mg/l	-	-	-	-	-	18	IS 3025 (Part 62) 2002
63	Chlorophyll an	mg/l	-	-	-	-	-	18	IS 3025 (Part 63) 2002
64	Chlorophyll ao	mg/l	-	-	-	-	-	18	IS 3025 (Part 64) 2002
65	Chlorophyll ap	mg/l	-	-	-	-	-	18	IS 3025 (Part 65) 2002
66	Chlorophyll aq	mg/l	-	-	-	-	-	18	IS 3025 (Part 66) 2002
67	Chlorophyll ar	mg/l	-	-	-	-	-	18	IS 3025 (Part 67) 2002
68	Chlorophyll as	mg/l	-	-	-	-	-	18	IS 3025 (Part 68) 2002
69	Chlorophyll at	mg/l	-	-	-	-	-	18	IS 3025 (Part 69) 2002
70	Chlorophyll au	mg/l	-	-	-	-	-	18	IS 3025 (Part 70) 2002
71	Chlorophyll av	mg/l	-	-	-	-	-	18	IS 3025 (Part 71) 2002
72	Chlorophyll aw	mg/l	-	-	-	-	-	18	IS 3025 (Part 72) 2002
73	Chlorophyll ax	mg/l	-	-	-	-	-	18	IS 3025 (Part 73) 2002
74	Chlorophyll ay	mg/l	-	-	-	-	-	18	IS 3025 (Part 74) 2002
75	Chlorophyll az	mg/l	-	-	-	-	-	18	IS 3025 (Part 75) 2002
76	Chlorophyll ba	mg/l	-	-	-	-	-	18	IS 3025 (Part 76) 2002
77	Chlorophyll bb	mg/l	-	-	-	-	-	18	IS 3025 (Part 77) 2002
78	Chlorophyll bc	mg/l	-	-	-	-	-	18	IS 3025 (Part 78) 2002
79	Chlorophyll bd	mg/l	-	-	-	-	-	18	IS 3025 (Part 79) 2002
80	Chlorophyll be	mg/l	-	-	-	-	-	18	IS 3025 (Part 80) 2002
81	Chlorophyll bf	mg/l	-	-	-	-	-	18	IS 3025 (Part 81) 2002
82	Chlorophyll bg	mg/l	-	-	-	-	-	18	IS 3025 (Part 82) 2002
83	Chlorophyll bh	mg/l	-	-	-	-	-	18	IS 3025 (Part 83) 2002
84	Chlorophyll bi	mg/l	-	-	-	-	-	18	IS 3025 (Part 84) 2002
85	Chlorophyll bj	mg/l	-	-	-	-	-	18	IS 3025 (Part 85) 2002
86	Chlorophyll bk	mg/l	-	-	-	-	-	18	IS 3025 (Part 86) 2002
87	Chlorophyll bl	mg/l	-	-	-	-	-	18	IS 3025 (Part 87) 2002
88	Chlorophyll bm	mg/l	-	-	-	-	-	18	IS 3025 (Part 88) 2002
89	Chlorophyll bn	mg/l	-	-	-	-	-	18	IS 3025 (Part 89) 2002
90	Chlorophyll bo	mg/l	-	-	-	-	-	18	IS 3025 (Part 90) 2002
91	Chlorophyll bp	mg/l	-	-	-	-	-	18	IS 3025 (Part 91) 2002
92	Chlorophyll bq	mg/l	-	-	-	-	-	18	IS 3025 (Part 92) 2002
93	Chlorophyll br	mg/l	-	-	-	-	-	18	IS 3025 (Part 93) 2002
94	Chlorophyll bs	mg/l	-	-	-	-	-	18	IS 3025 (Part 94) 2002
95	Chlorophyll bt	mg/l	-	-	-	-	-	18	IS 3025 (Part 95) 2002
96	Chlorophyll bu	mg/l	-	-	-	-	-	18	IS 3025 (Part 96) 2002
97	Chlorophyll bv	mg/l	-	-	-	-	-	18	IS 3025 (Part 97) 2002
98	Chlorophyll bw	mg/l	-	-	-	-	-	18	IS 3025 (Part 98) 2002
99	Chlorophyll bx	mg/l	-	-	-	-	-	18	IS 3025 (Part 99) 2002
100	Chlorophyll by	mg/l	-	-	-	-	-	18	IS 3025 (Part 100) 2002
101	Chlorophyll bz	mg/l	-	-	-	-	-	18	IS 3025 (Part 101) 2002
102	Chlorophyll ca	mg/l	-	-	-	-	-	18	IS 3025 (Part 102) 2002
103	Chlorophyll cb	mg/l	-	-	-	-	-	18	IS 3025 (Part 103) 2002
104	Chlorophyll cc	mg/l	-	-	-	-	-	18	IS 3025 (Part 104) 2002
105	Chlorophyll cd	mg/l	-	-	-	-	-	18	IS 3025 (Part 105) 2002
106	Chlorophyll ce	mg/l	-	-	-	-	-	18	IS 3025 (Part 106) 2002
107	Chlorophyll cf	mg/l	-	-	-	-	-	18	IS 3025 (Part 107) 2002
108	Chlorophyll cg	mg/l	-	-	-	-	-	18	IS 3025 (Part 108) 2002
109	Chlorophyll ch	mg/l	-	-	-	-	-	18	IS 3025 (Part 109) 2002
110	Chlorophyll ci	mg/l	-	-	-	-	-	18	IS 3025 (Part 110) 2002
111	Chlorophyll cj	mg/l	-	-	-	-	-	18	IS 3025 (Part 111) 2002
112	Chlorophyll ck	mg/l	-	-	-	-	-	18	IS 3025 (Part 112) 2002
113	Chlorophyll cl	mg/l	-	-	-	-	-	18	IS 3025 (Part 113) 2002
114	Chlorophyll cm	mg/l	-	-	-	-	-	18	IS 3025 (Part 114) 2002
115	Chlorophyll cn	mg/l	-	-	-	-	-	18	IS 3025 (Part 115) 2002
116	Chlorophyll co	mg/l	-	-	-	-	-	18	IS 3025 (Part 116) 2002
117	Chlorophyll cp	mg/l	-	-	-	-	-	18	IS 3025 (Part 117) 2002
118	Chlorophyll cq	mg/l	-	-	-	-	-	18	IS 3025 (Part 118) 2002
119	Chlorophyll cr	mg/l	-	-	-	-	-	18	IS 3025 (Part 119) 2002
120	Chlorophyll cs	mg/l	-	-	-	-	-	18	IS 3025 (Part 120) 2002
121	Chlorophyll ct	mg/l	-	-	-	-	-	18	IS 3025 (Part 121) 2002
122	Chlorophyll cu	mg/l	-	-	-	-	-	18	IS 3025 (Part 122) 2002
123	Chlorophyll cv	mg/l	-	-	-	-	-	18	IS 3025 (Part 123) 2002
124	Chlorophyll cw	mg/l	-	-	-	-	-	18	IS 3025 (Part 124) 2002
125	Chlorophyll cx	mg/l	-	-	-	-	-	18	IS 3025 (Part 125) 2002
126	Chlorophyll cy	mg/l	-	-	-	-	-	18	IS 3025 (Part 126) 2002
127	Chlorophyll cz	mg/l	-	-	-	-	-	18	IS 3025 (Part 127) 2002
128	Chlorophyll da	mg/l	-	-	-	-	-	18	IS 3025 (Part 128) 2002
129	Chlorophyll db	mg/l	-	-	-	-	-	18	IS 3025 (Part 129) 2002
130	Chlorophyll dc	mg/l	-	-	-	-	-	18	IS 3025 (Part 130) 2002
131	Chlorophyll dd	mg/l	-	-	-	-	-	18	