

Impact Assessment of Abbankuppe Lake Rejuvenation Program- FY 2023-24

[Lake Rejuvenation Duration: FY 2019- 2022]

Executive Summary

About the study:

Abbankuppe lake is located near Bidadi Industrial area. The lake is situated amidst residential communities and close to industrial area. The lake was in dire state owing to water pollution and was suffering adverse effects of human activities around it. The lake was contaminated by sewage water and was covered with hyacinth and weed.

TKM realized the need to restore the lake. It took measures to rejuvenate the lake and upgrade the surroundings for better use of community. The project has benefitted around **8,000** community members across 6 villages in and around Bidadi Municipal Corporation.

For the purpose of lake rejuvenation impact assessment study, a statistical approach to determine the sample size with 95% confidence and 5% margin of error was considered. Total sample for the study was determined as 386 members. However, during the study visit, the team was able to interact with **407** community members from **6 villages** for the impact assessment study. One-on-one interviews and focus group discussions were the mode of interactions.

Findings on key outcomes:



Improvement in water quality

More than **90%** respondents felt that across various parameters such as foul smell, solid waste contaminants, weed and colour of **lake water has seen significant improvement.**

Improvement in flora & fauna

87% of the respondents stated that **improvement has been seen in the number of birds spotted around the lake.**



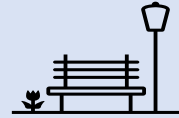


Reduction in pollution at lake and adjoining areas

72% of respondents stated that **garbage dumping in lake premises has reduced.**

Access to clean public space

69% of the respondents felt that value added features such as grass lawns and play area has **significantly improved aesthetics of the lake.**



Feedback from Community:

- ❖ 71% of community members felt that the lake rejuvenation programme was able to address all community needs in a sufficient manner.
 - ❖ 94% were satisfied with the execution plan followed for the lake rejuvenation project.
 - ❖ 94% respondents suggested that TKM should undertake similar lake rejuvenation projects with some modifications.
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