



FOREWORD

Water is the lifeblood of our planet, essential for sustaining all forms of life. As our urban landscape evolve and expand, so does the demand for water efficient infrastructure and usage practices. Across commercial, institutional and residential complexes area, the demand for water continues to rise, necessitating a deep effort to monitor, manage, and optimize our usage. The average per capita water consumption in urban India is estimated to be around 150 litres per day. The water consumption needs to be reduced by adapting water efficient practices and technologies for a safe and secure future in terms of water sustainability.

Recognizing its paramount importance, the “**National Water Mission**” is endeavoring for bringing together communities, civil society and industry in a shared commitment to water conservation and efficient water use. The Mission seeks to catalyze transformative change at every level of society. One of the most important goals of the National Water Mission is to improve the efficiency of water use at least by 20%. Towards this initiative, a Memorandum of Understanding (MoU) was signed on 7th July, 2023 between Bureau of Water Use Efficiency (BWUE), National Water Mission (NWM) and Indian Plumbing Association (IPA) for a Water Positive India by awareness creation & promotion of Rain Water Harvesting structures, low flow fixtures & sanitary ware, treatment of Grey & Black water, Water Audit of Built-in Environment. As per the objectives and areas of cooperation set under this MoU, IPA has constituted a 'Water Audit Council' to promote water sustainability throughout India and provide water audit services to institutions across the urban landscape. The efforts made by Water Audit Council (WAC) for creating this manual will undoubtedly serve as a cornerstone for conducting water audit. Its insights will streamline the entire water audit process.

The Manual ensures that stakeholders have the tools and the knowledge necessary to conduct thorough audits and implement targeted interventions. Furthermore, this manual reflects a commitment to innovation and continuous improvement to deliver practical solutions that maximize water efficiency.

As we embark on this journey towards water resilience, let us grasp the principles of stewardship, partnership and innovation embodied in the Water Audit Methodology. Together we can create a way forward for a world where every water drop counts and where water is adored as the life-giving resource it truly is.

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