

Moradabad Amrit Sarovar – A Case Study

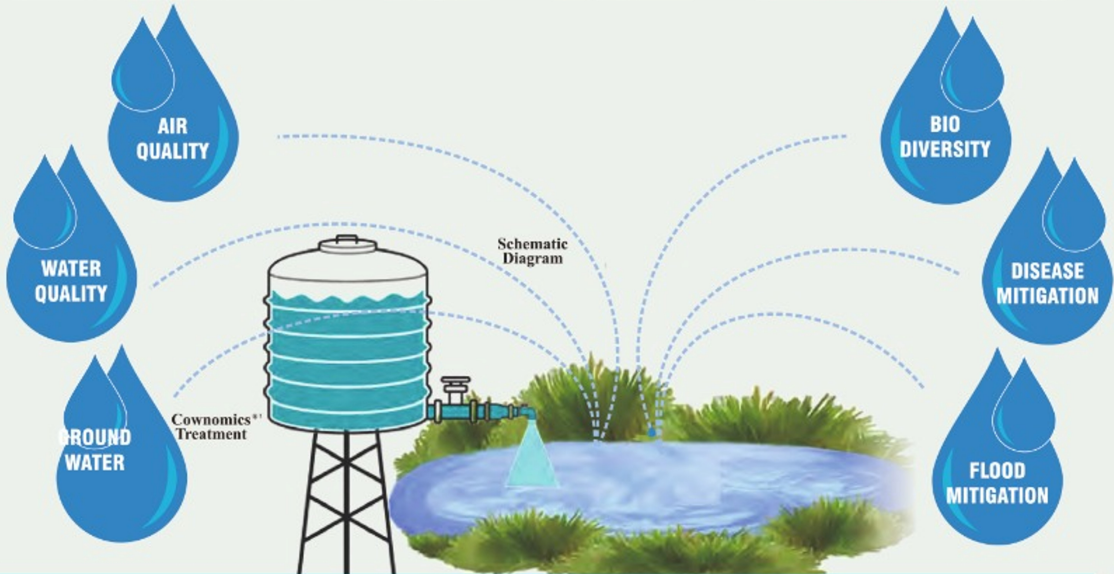
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Heading: Overall Environmental Impact of Waterbody Rejuvenation through NbS

Key Challenges: All Waterbodies were contaminated with effluent, Air Quality Index was bad (beyond permissible limits, above 300 since year 2017), ground Water was report depleting since year 2009, major biodiversity loss was observed and every monsoon there was an outbreak of vector-borne diseases. Urban flood & Water logging was also a common phenomenon post monsoon.

Solution Implemented: Nature-based Solution for "resurrection of Native Ecology" – We got a project in April 2022, for 'in-situ' rejuvenation of six Waterbodies spread across the city on the periphery, through our Nature-based Solution (NbS) that we call as 'Cownomics Technology', wherein we focus on 'resurrection of the native ecology' of the Waterbodies & wetlands with a clear objective of 'restoration of the ecosystem services'.

Results: As a result, the ground Water recharge was reported by August, 2022. There was steep decline in post monsoon vector-borne diseases (as observed and reported by the residents in the vicinity). They won the National Award for Best work in Air pollution mitigation (for last 360 days their AQI is recorded below 80). Return of birds, bee, butterflies and aquatic life has been observed in all ponds. And the Water quality is maintained as per IS 2296, class B category for outdoor bathing Water, as per the guidelines of National Green Tribunal (NGT).



TECHNOLOGIES USED:



NEXT STEP FOR THE LEAP:

TO GENERATE REVENUE FROM ENVIRONMENTAL CREDITS (WATER, SANITATION, CARBON, EMISSION AND BIODIVERSITY)

AWARDS ON:

