Climate-Resilient Sanitation Infrastructure: Unravelling Linkages, Adaptation, and Mitigation Strategies in Maharashtra, India Mr. Manish Kulkarni, Research Associate, CWAS



Global South Academic Conclave on WASH and Climate Linkages

Adaptation & Mitigation Strategies practiced for Identified linkages

Risks

precipitation Increased causes stagnant water SDB, requires drying time, 🗗 increased efficiency during rainy seasons.

Wind damages to the plants, Flooding of the ■ PGF unit, contamination from treated water transported waste by∎ ∎ wind, Heat stress limits∎ I plant growth.

Interrupted power due unpredictable climate related events, limiting access to the FSTP site heavy rain, to reducing the quality of products, hampering the stability structural components, aggravating the risk in absence any 📘 of skilled/dedicated ∎ personal for O&M



Resilience does not depend on the number of adaptations possible, but the impact of each adaptation & mitigation in reducing vulnerability.

Way Forward:

Resilience assessment of each sanitation component, through system's framework, need to be done to further devise the strategies for the state of Maharashtra.



Intensifying the adaptation and mitigation measures adopted by ULBs from different geo-climatic regions and integrating climate resilience into ongoing Swachha Maharashtra Sanitation Program.

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(Source-Field observations, CWAS Team



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incorporate Need to post event operations, particularly for O&M of FSTP, in SoP prepared by Maharashtra State Government

