Team ID	PNT2022TMID48692
Project Name	Project - Real-Time River Water Quality Monitoring and Control System

NFT - Risk Assessment

S.No	Project Name	Scope/feature	Functional Changes	Hardware Changes	Software Changes	Impact of Downtime	Load/ Volume Changes	Risk Score	Justification
1	Real time river water quality monitoring and control system	chemical analysis of drinking water	Low	No Changes	Moderate	No Changes	>5 to 10%	ORANGE	As we have seen the changes
		wastewater, and soil samples.							allow water quality monitoring
		Increased efficiency							at household levels as well.
		Easy to Use							
		Automated Method.							

NFT - Detailed Test Plan

S.No	Project Overview	NFT Test approach	Assumptions/ Dependencies/Risks	Approvals/ Sign Off
1	Real time river water quality	min-0.48 max-0.93	up to 32% in 2100 in the SSP	approve any dam ... River
	monitoring and control system	Average-0.73	strategic risk hydroelectric power	Sign off- Cancer, Scorpio, and Pisces

End Of Test Report

S.No	Project Overview	NFT Test approach	NFR - Met	Test Outcome	GO/ NO-GO decision	Recommendations	Identified Defects (Detected/Closed/Open)	Approvals/ Sign Off
1	Real time river water quality monitoring and control system	Biodiversity-0.53,0.56,0.128,0.103	PH-6.0 to 8.5	PH value raw water-7.62	GO decision	No	cost of analysis is very high	approve any dam ... River
		Hydrology-0.558,0.279,0.093,0.070	sodium-200	PH value filter water-7.18			Less reliability.	
		Water Quality-0.47,0.53,0.118,0.059	Iron-0.2 to 1.7	Efficiency-5.8			Frequency of testing is very low.	
		Geomorphology-0.417,0.333,0.176,0.083	nitrate-10	Remark-Safe				