



S. No.	Particulars	Fields to Answer
1.	Name of the institute	ANIL NEERUKONDA INSTITUTE OF TECHNOLOGY ANDSCIENCES (A)
2.	AISHE Code	C-24171
3.	Name of villages where rural development activities was carried out	NAMMIVANIPETA
4.	Title of your success story	Implementing untreated water to potable water via Ceramic Membranes cost effectively
5.	4 key words for your story	Ceramic Membrane, Community-driven Solutions, Cross flow Microfiltration and Potable water.
6.	Photos of Meetings/ workshops/ conference/ Gram Sabha etc	

		
7.	Overall story in 150 - 300 words	<p>Initial phase of the rural development activity is started with the survey at Nammivanipeta village on 18/08/2023. UBA-ANITS team to assess the challenges encountered by the residents and it was found that the municipal water supply by the city contains characteristics of odour and turbidity and these issues have been significantly impacting the villagers' livelihood. Yet, the UBA cell thrives the mission to alleviate this identified problem through the meticulous laboratory analysis and its experimentation to meet the requirements of TDS as per the Bureau of Indian standards (BIS). Eventually, the crossflow microfiltration setups with eco-friendly ceramic membranes have been developed with the team work of UBA cell. Further, our UBA cell is actively focused towards rural villages empowerment for the identification problems and implementation of resolutions to provide affordable and sustainable access to safe drinking water to the villagers. After successful implementation of the Cross-flow Microfiltration, there is a remarkable change in the water contamination levels. As the project reached to its end, it stood as a symbol of optimism and demonstrated the potential of innovation and community-driven approaches in tackling significant societal issues. UBA-ANITS team remains unwavering in their dedication towards the transformative initiatives.</p>
8.	Total Number of Population Impacted	400 families (Nearly 2500 people)