



# KERASIEV® Ceramic Membrane

## Future filtration

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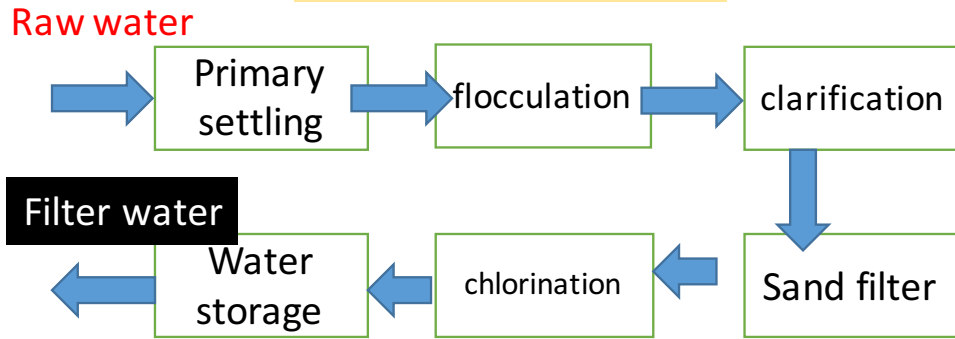
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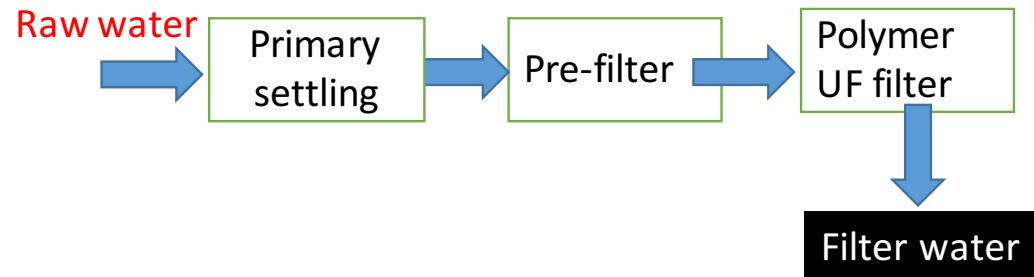
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# KERASIEV® Ceramic Membrane (UF) application: River/surface Water purification

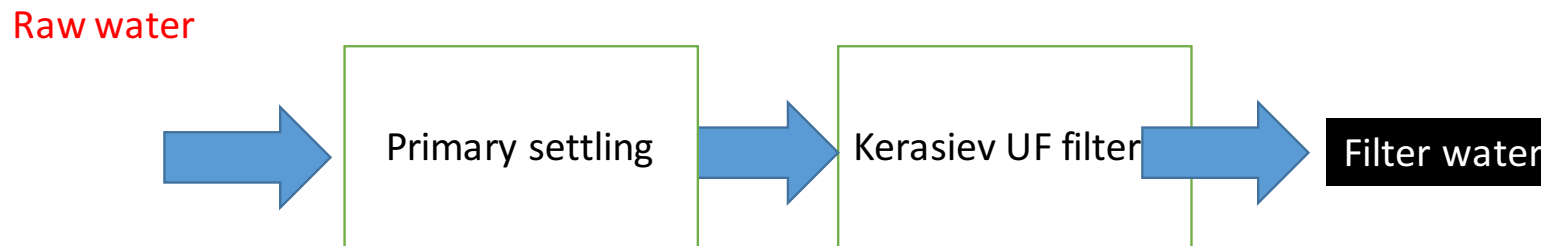
## Conventional – Present



## Polymer membrane



## Kerasiev



## KERASIEV® Ceramic Membrane (UF) application: River/surface Water purification Cost economic



	Conventional based filtration	Polymer membrane based filtration: UF Hydranautics (@2.5yrs/membrane life)	Kerasiev Ceramic membrane based filtration
Plant Capacity	2.4m3/hr	3.7m3/hr	3.7m3/hr
Initial capex*	0.95	1.8	1.94
Membrane cost* (sand replacement cost)	0.02	1.25	1.39
15 Yrs membrane replacement cost*	0.6	6.25	0
15 years chemical cost*	1.5	0.216	0.216
Power cost*	0.75	1.404	1.6845
labour cost*	5.85	3.51	2.34
Capax+opex*	9.67	14.43	7.5705
<b>Cost**/liter water</b>	<b>Re 0.052</b>	<b>Rs 0.007</b>	<b>Rs 0.0037</b>

\*In Lakhs

\*\* In Re.