

RAW WATER CLARIFIER



Thermax provides cost-effective raw water treatment solutions, for reduction of suspended solids in surface water. They have been developed after studying the settling and rise rates of suspended impurities under fluctuating conditions.

Raw water is first treated to remove the suspended colloidal matter. Small suspended particles in the raw water are coagulated by using poly-electrolyte and coagulant at higher pH. This is then passed through a tube settler where coagulated suspended matter settles down and clearer water flows up. Coagulated suspended matter is taken out from the hopper bottom of tube settler in the form of a thick sludge.

Clear water is further treated in the second stage. A dual media filter is provided for further reduction of suspended matter to a level of less than 5 ppm. This filter works in pressurised conditions. A clear water pump is provided at the inlet of the filter to feed clarified water.

Thermax provides both custom built & standardized systems to raw water clarification.

BENEFITS OF STANDARD KLARIMAX :

Requires less space	Needs more space
Low power requirement	Higher power requirement
Effective feature of sludge recirculation	Ineffective at low turbidity levels
Low capital investment	Higher capital investment
Standardized, hence quicker delivery	Not pre-engineered, hence longer delivery period
Nominal civil works (only foundation)	Major civil works