

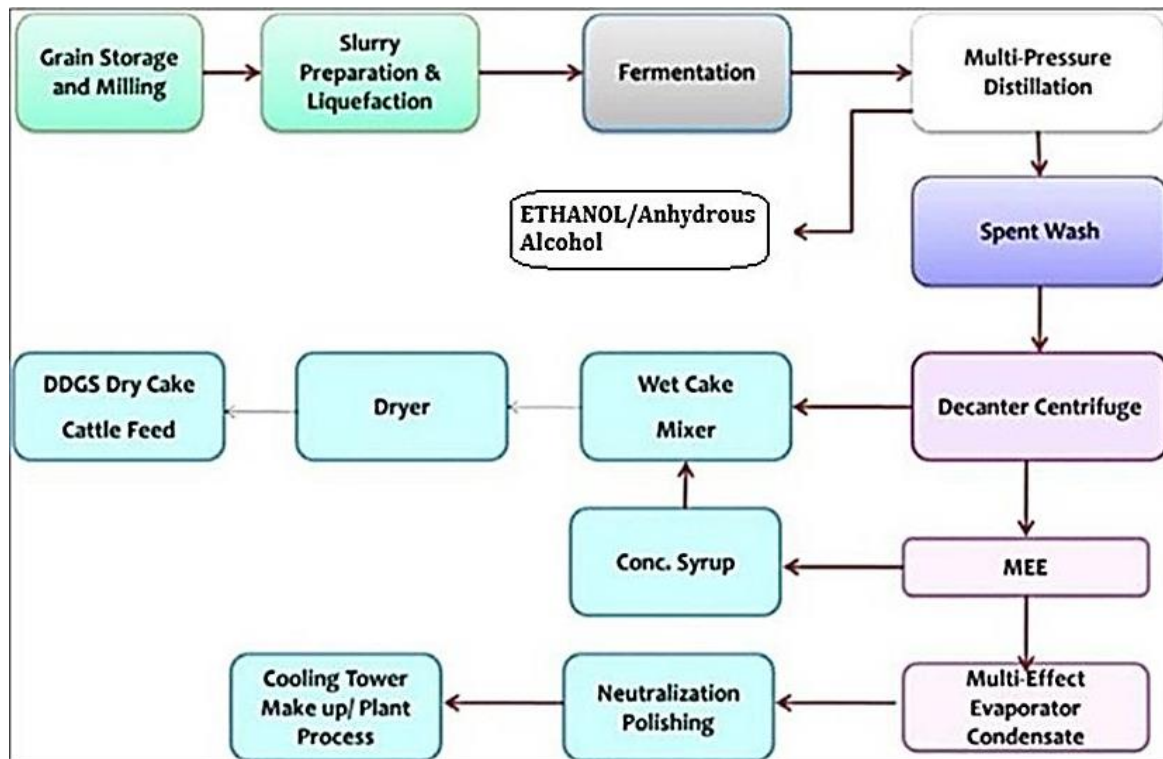


Figure1: Process Block flow diagram of Grain based Distillery

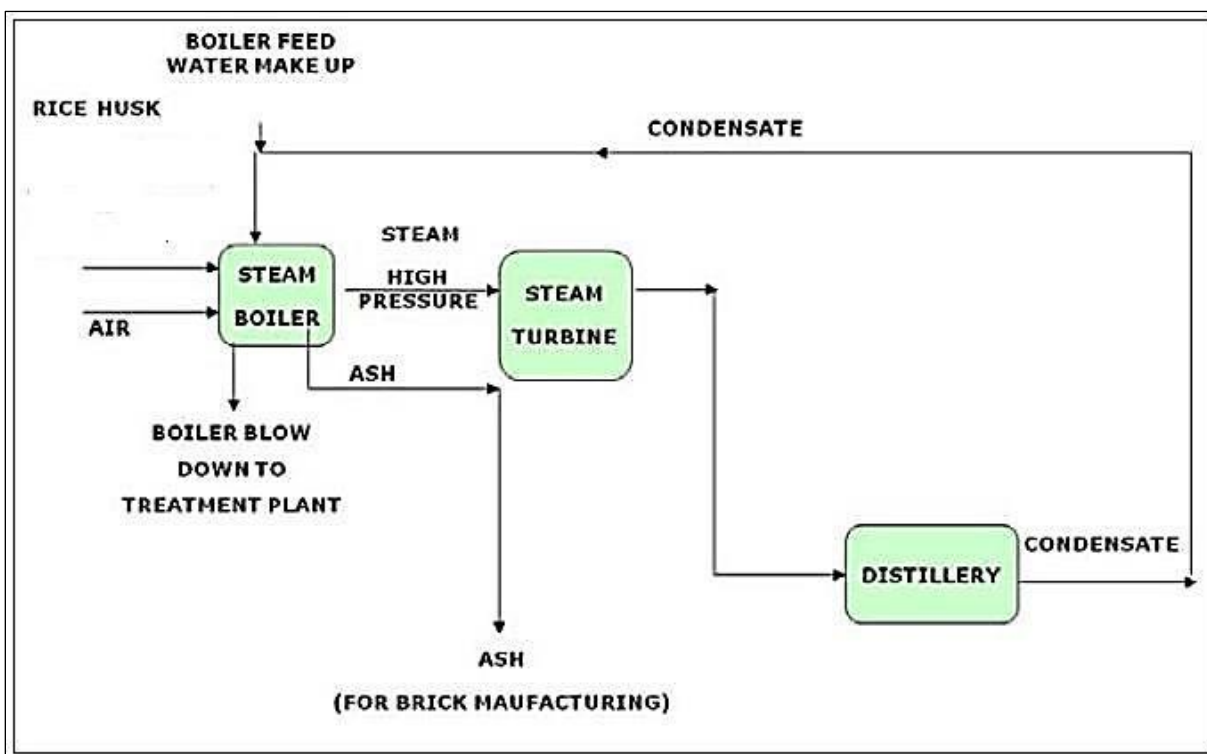


Figure 2: Process flow chart for Proposed Co-generation Power Plant

Ethanol Plant Effluent Treatment Scheme - Process Condensate Treatment Plant

Quantity of effluent from industrial process	Capacity of ETP
632 KLD	800 KLD

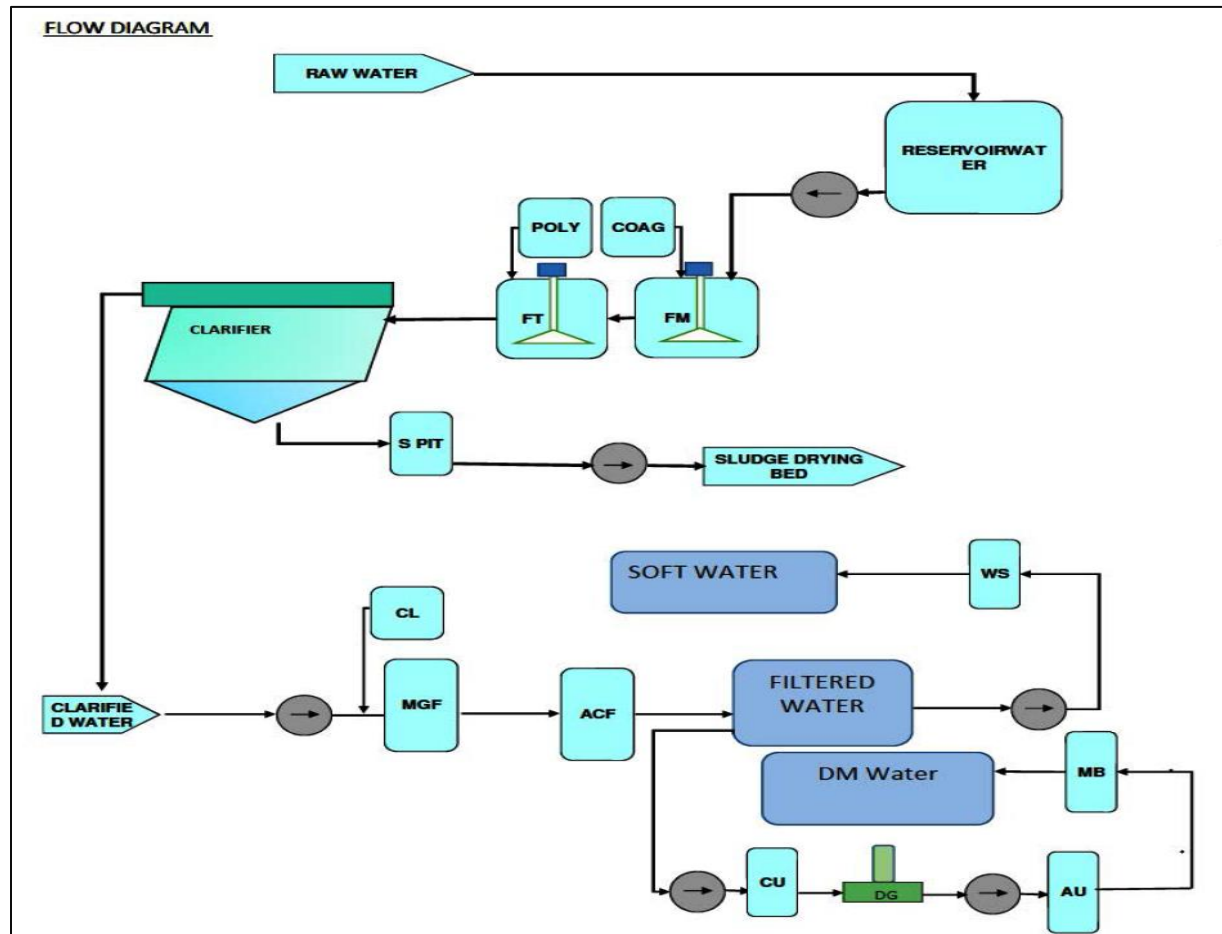


Figure: 3 Block diagram for Condensate Polishing Unit (CPU)

Table 1: Water Balance & Fresh Water Requirement

Total Water Inputs - First Run	2084	KL/Day
Total Water Outputs - First Run	2084	KL/Day
Total Water Recycle (1-7)	1569	KL/Day
Net Fresh Water / Day - Distillery	514	KL/Day
Additional For Power & Bottling		
Power Turbine Ct Make-Up Water	81	KL/Day
Domestic Use & Horticulture	5	KL/Day
Total Daily Fresh Water	600	KL/Day

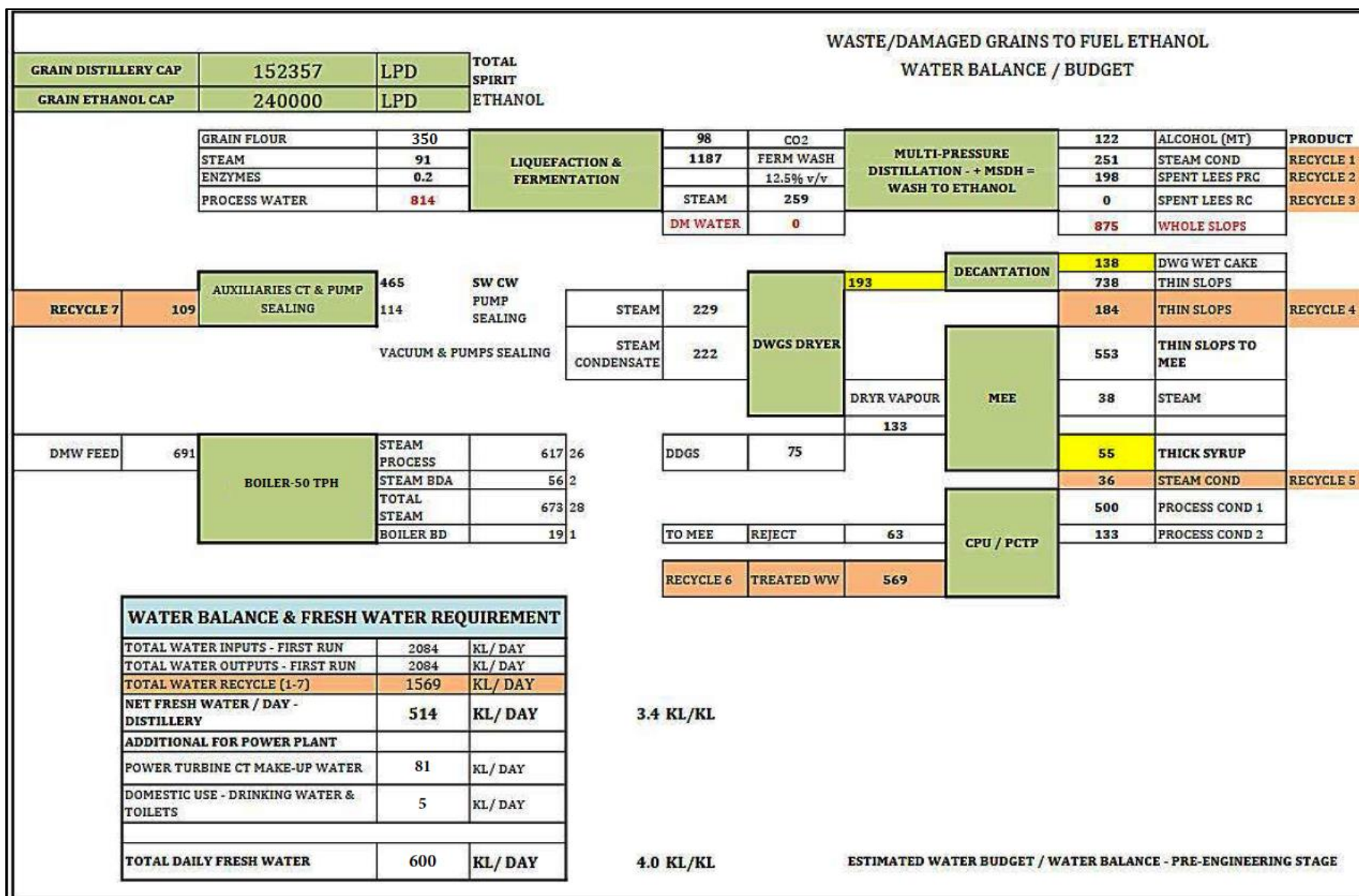


Figure 4: Water Balance Sheet