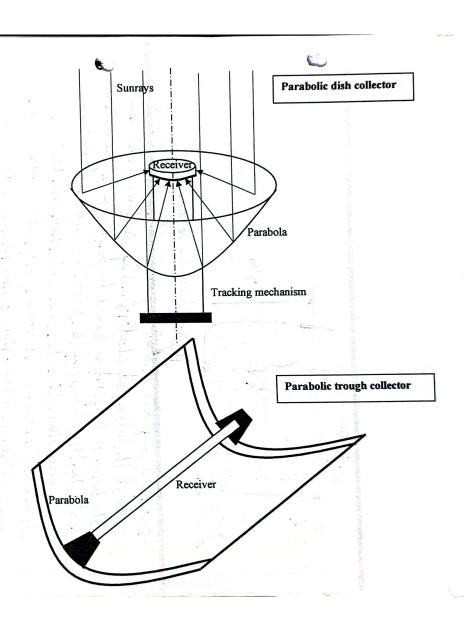


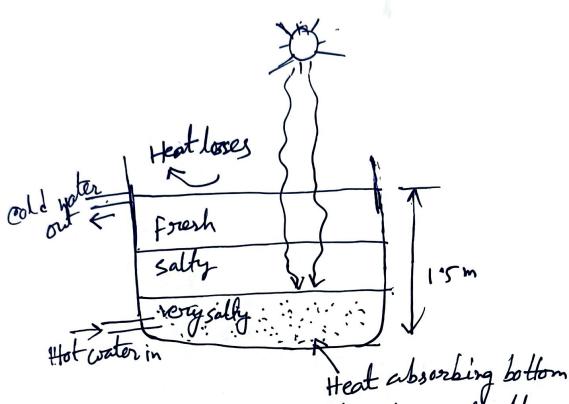
The reale of solar Leat absorbed by the absorber plates 18 Bass = TOLAGE (GLIS He solar invadition) Gransministy absorptimity Slos = UA (te-Ta) overall leat transfer coefficient averge collecton temperature Sweful = Babs - Bloss = TOCAGE - UA (To-Ta) Me = Suseful = TdA62-VA (Te-Ta)

Sincident AG2 The collector efficiency may be defined as a function of water inlet temperature Te=FRTA-FRU Min-Ta Fe = collector heat over oval factor As the argle of salar incident radiation changes throughout the day, the product Tox also charges.

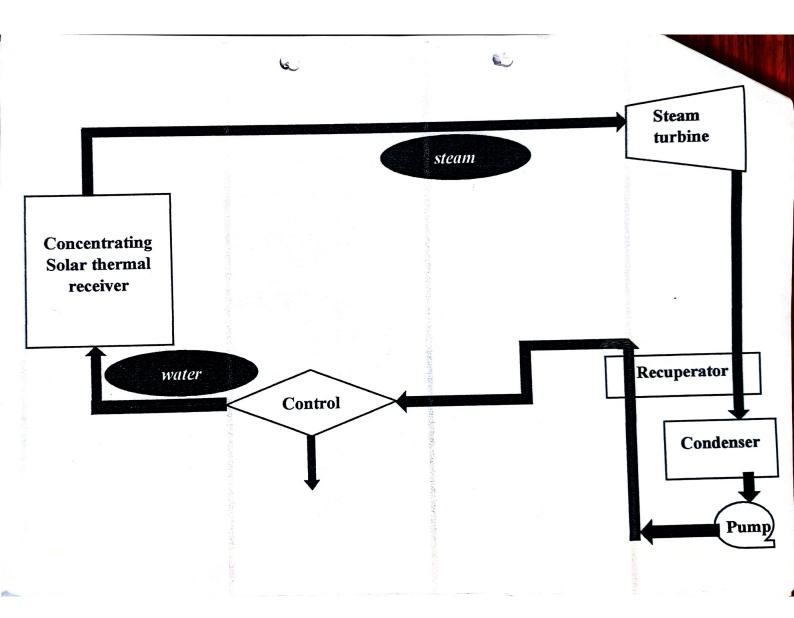
This change can be accounted for by including incident argle modifier K_{TX} 7 = FRKZK-FRU Tryin-Ta

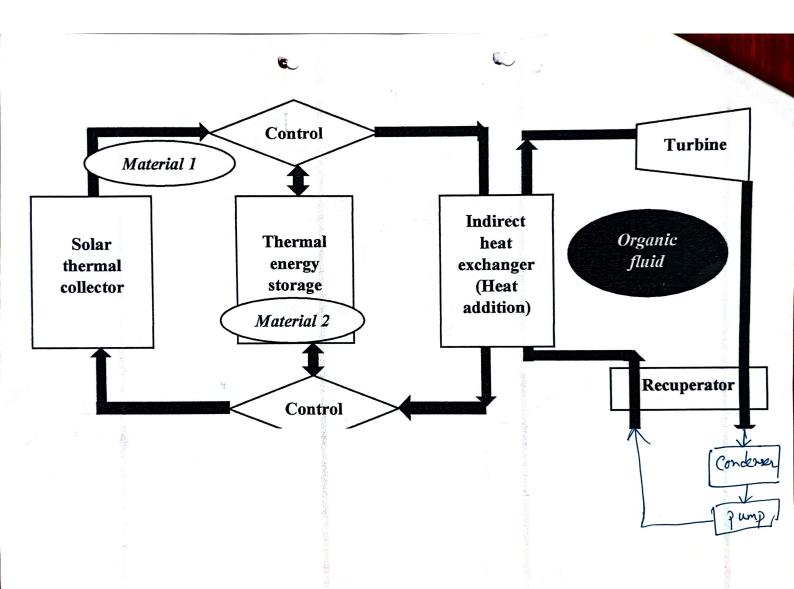


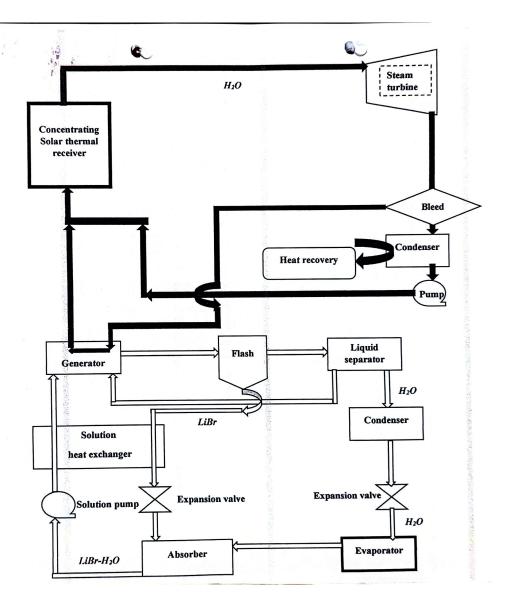
Solar Pond

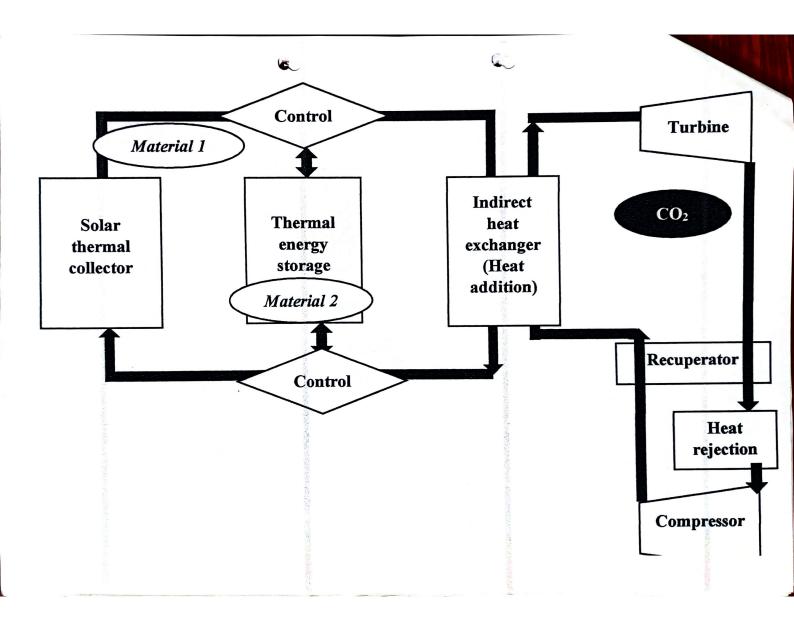


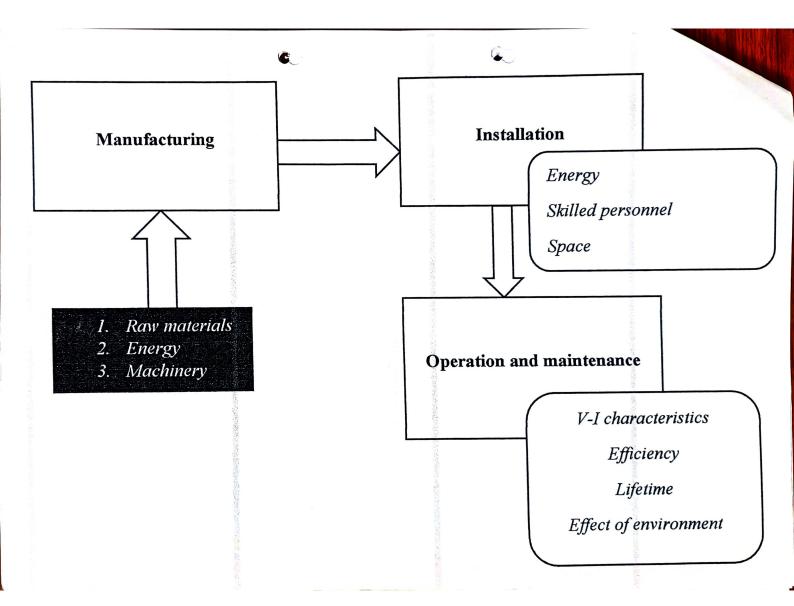
A solor pond comprises several layers of salty crater with the saltient at the bottom, at about 1.5 m doep. Survivine is absorbed at the bottom of the pond, so lowest layer of water is headed the most. In the solar pond, the bottom layer was initially made so much callier than the one above that, even though its density decreases as it warms, it shill remain denses than the layer above. Thus convection is supposered, and the bottom layer remains at the bottom getting hotter and hotter.



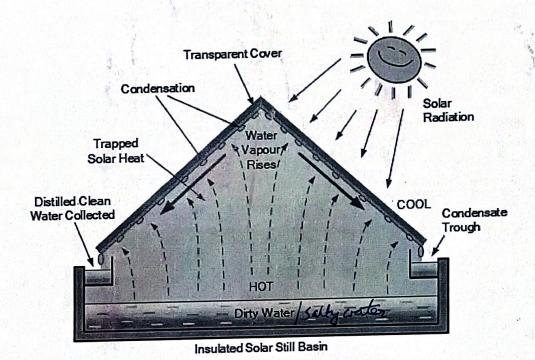


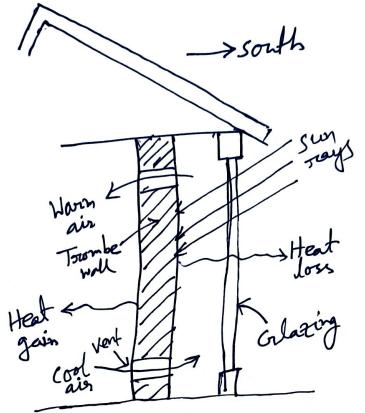






Solar Still





Dark-painted thick normony wall called tranks walls as commonly used on south sides of parties solar homes to absorb solar energy, store it down the day, and release it to the house during the right. Usually a stight or double layer of glazing is placed outside the wall and frament most of the solar every, while blacking heart forses from the exposed surface of the wall to the outside. Air veints installed of the bottom and top of the trombe walls so that the house air exters the parallel flow channel between the trombe wall and glazing, rives at it is heated, and enters the moon though the top vert.

Janguarien Cabinet

Cabinet

Product on perforated trays

Temperature ranging from 50 to 80°C

Douging time ranges from 2 to 4 days

Typical products which can be bried in such devices are

dates, apricots, chillies, grapes, etc.