ABSTRACT

Steam boiler will produce steam when working. In boiler installation, fluid steam which used is water and water requirement will be supplied by pump. So the requirement of boiler feed pump is very vital.

In this final project for can chosen kind and type of the pump which can support to operate steam boiler maximally, will be calculated head pump from existing installation, stream speed in suction pipe and discharge pipe, the diameter for the suction pipe and discharge pipe, and conducted selection kind and type of the boiler feed pump.

From calculation obtained head pump equal to 1964 m and the capacities equal to 440, 64 m$^3$/hour, and selected a centrifugal pump type with 11 stages level of impeller type DCD / DCD EBARA Horizontal Double Case Pump.