Each turbine consists of two runners one right hand and one left hand. On each of the turbine shafts is mounted one 3 phase, 60 cycle, 1100 volt Canadian General Electric generator. The units run at a speed of 180 revolutions per minute.

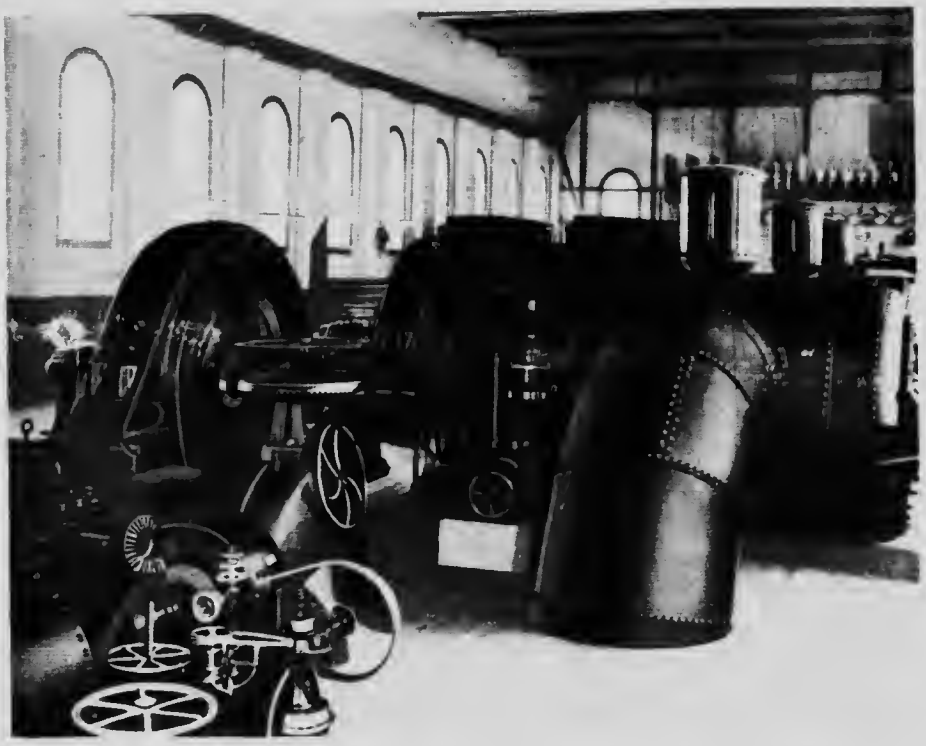
Four banks of Canadian General Electric air blast transformers are provided for stepping the voltage up from 1,100 to 22,000, at which potential it is transmitted. The capacity of the transformers is 1,000 H.P. per bank.

BONNINGTON FALLS PLANT No. 2

Plant No. 2 is located at Upper Bonnington Falls, about one mile above Plant No. 1.

The power house is built in the channel immediately below the falls on the north side of the river. The building and the intake structure form a wing dam which diverts the water into the turbine penstocks. The power house and intake structure are of monolithic concrete construction, reinforced with round rods and steel rails.

Water enters the turbine flumes between the concrete intake piers and can be shut off by means of gates and stop-logs operated by an electrically driven overhead travelling



Kootenay River Development. Interior of Generator Room, Plant No. 1, Lower Bonnington Falls.