

each end, the whole revolving on two ring oiling bearings, kept cool by a water jacket and also by a stream of water passing through the hollow space in the shaft.

The generators are 3-phase, 60-cycle "Westinghouse" alternating current machines with revolving fields, and run at 200 revolutions per minute, the regulating being accomplished by "Lombard" governors operating deflecting needle nozzles, the needles being adjusted by hand for average load conditions.

TRANSMISSION LINE

The transformers are of the air-cooled type, placed in a separate concrete building, which also contains the high potential switches and appliances.

The voltage here is stepped up to 20,000 and transmitted under this pressure to the substations at Vancouver, Burnaby, New Westminster and Lulu Island.

The Transmission Line has a length of about sixteen miles to Vancouver, and consists of a double line of poles built in accordance with standard construction for high potential wires.

It presents a notable feature in the crossing of Burrard Inlet near the village of Barnet.