

m., with exciter and switchboards, the power being 2,200 volt, 25 cycle, 3 phase electricity. The complete bids were: A, \$5,185; B, \$5,500, plus bed plate; C, \$6,008, plus bed plate; D, \$9,175; E, \$10,500, 750 revolutions only.

Toronto, Ont.—The Don Construction Company was given the contract for piling at the Wiltón Avenue Bridge. The tender for 1,808 feet of sheet piling is 50 cents per foot, and 18 cents per foot for 16,320 feet of common piling.

Bruce Township council has awarded the contract for the building of reinforced flat arch bridge 54 ft. span over 6th concession Willow Creek to C. S. Wood, Tiverton, Ont. Also reinforced flat arch bridge 25 ft. over the 8th concession to C. S. Wood.

Winnipeg, Man.—The board of works recommends that the tender for wire-fencing and gates for the power transmission line right-of-way be awarded to the Canadian Steel & Wire Company, of Winnipeg, for \$3,348, and the tender for posts for the same line to Weatherby & Eklund, of Winnipeg, for \$3,399.30. The council acted accordingly. The contracts include the supply of about eighteen thousand posts, the manufacture and delivery of about forty-two miles of woven wire fence, and the erection of the fence along the right-of-way of the city's transmission line, between the Brokenhead River and the city. M. Peterson, secretary, Board of Control.

Calgary, Alta.—Contract for the general work in connection with the new plant of the Calgary Power & Transmission Company has been awarded to the Walter Fyshe Co., of Montreal, while the General Electric Mfg. Co., of Sweden, will probably supply four 750 k.w. water-cooled, step-down transformers. Smith, Kerry & Chace, Toronto and Calgary, are the consulting engineers.

Vancouver, B.C.—Evans, Coleman & Evans were awarded the contract for steel pipe required in connection with the waterworks at \$24,400, while Robertson, Godson & Company secured the order for cast iron pipe per April delivery, at \$33.91 a ton. In all there were two hundred and fifty tons of four-inch cast iron pipe required and 3½ miles of 6-inch, one mile of 8-inch, and 2½ miles of 12-inch steel pipe. The next lowest bid for the cast iron pipe was \$38.35 per ton from Messrs. F. Hankin. For the supply of steel pipe Gardiner Johnson was next in order to Messrs. Evans, Coleman & Evans.

Victoria, B.C.—The contract for the sternwheel steamer for the Prince Rupert Skeena Navigation Company to ply between Prince Rupert and Hazelton has been let to the Victoria Machinery Depot, the contract price being \$40,000. The vessel is to be completed by April 20th and will be built in Victoria.

Cohoes, N.Y., U.S.A.—For supplying the motor-driven pumps of its municipal water filtration plant, the City of Cohoes, N.Y., has installed two Westinghouse gas engine driven, direct current, generator sets, using producer gas as fuel. Both engines are of three cylinder type, 15 × 14 inches, and develop 125 horse-power. They are direct connected to two 75 kilowatt, 125 volt Westinghouse direct current generators. The output of these machines furnishes power for the motors driving the pumps of the city water supply, besides several other small motors about the plant, and the local lighting. The producer gas for this installation is derived from two 125 horse-power J-25 Westinghouse gas producers.

RAILWAYS—STEAM AND ELECTRIC.

Halifax, N.S.—It was recently announced here that the Canadian Northern Railway had purchased the Dominion Atlantic Railway from Halifax to Yarmouth.

Montreal, Que.—A newspaper report says financial arrangements have been made which will assure the construction of the Central Railway of Canada without delay. This line goes up the Ottawa River on the north side from Montreal to the Great Lakes, and it is said that Mackenzie and Mann will get running powers from Montreal to Hawkesbury over the projected railway.

Trenton, Ont.—It is expected that construction of the Central Ontario Railway will be resumed on the extension from Lake St. Peter, Ont., to Whitney, 17 miles. J. D. Evans, chief engineer, Trenton, Ont.

Winnipeg, Man.—A branch of the G.T.P. from Biggar

to Battleford will be commenced early in the coming summer. In addition to this branch, a line will be built from a point some twenty miles south of Battleford, and will run westward through the Cut Knife district to connect with the main line at or near Wainwright. A survey party is already in the field, locating the new route of the first mentioned branch, which will be several miles to the westward of the line first proposed last year.

Vancouver, B.C.—Press dispatches state that the C.P.R. has decided to award contracts this spring for the construction of 50 miles of the Kootenay Central.

Vancouver, B.C.—Mr. D. D. Mann recently stated that work on the C.N.R. line in British Columbia would be commenced early in the season.

Vancouver, B.C.—Construction of the extension of the V. V. & E. Railway from Princeton west to Otter Flat, 18 miles, will be carried on simultaneously with the building of the line west of the Hope Mountains between Abbotsford and Hope, on the Fraser River. At the head offices of the Great Northern it was recently announced that both contracts have been awarded to J. W. Stewart & Company, whose personnel is the same as Messrs. Foley, Welch & Stewart, the Grand Trunk Pacific Railway contractors. The grading outfits of the company are now at Princeton, and an immediate start on construction work will be made. The section west of the Hope Mountains will also be the scene of activity as soon as the contractors' outfits can be shipped to Abbotsford and Hope. Previously mentioned.

LIGHT, HEAT, AND POWER

Montreal, Que.—Action has been entered by the City of Maisonneuve against the Royal Electric Company and the Montreal, Light, Heat & Power Company for annulment of their contract on the grounds that the lights furnished for the city do not meet the requirements contracted for. This is by the way of a counter action in the long series of legal disputes between Maisonneuve and the Light, Heat & Power Company over their lighting system. The company claims an exclusive franchise over the streets of Maisonneuve, and started the action by entering suit to enforce its alleged rights by way of seeking an injunction to prevent the Dominion Light, Heat & Power Company from installing its poles and service in that municipality.

Ottawa, Ont.—The Ottawa and Montreal Transmission Company, Ltd., has given notice that it will apply to parliament for extensive powers with regard to laying out water powers and all the necessary appliances for the production of electricity, or other power or energy. The location of its works will be more specially located in the Argenteuil, Deux Montagnes, Laval, counties of Pontiac, Wright, Labelle, Jacques Cartier and Hochelaga. Christie, Greene and Hill, Ottawa, are solicitors for the applicants.

Toronto, Ont.—The Cobalt, Light, Power & Water Company is granted permission to issue bonds to the extent of \$75,000, according to the latest issue of the Ontario Government Gazette.

Victoria, B.C.—Matthew Hutchinson, city electrician, reporting on the street lighting department urges immediate extensions to the lighting plant.

PERSONAL.

Mr. A. S. Balsden has tendered his resignation as manager of the St. Thomas, Ont., Street Railway, which is owned by the city.

Mr. R. E. Chadwick, Toronto, who has been Acting Assistant City Engineer in charge of bridges, was permanently appointed yesterday by the Board of Control.

Mr. Arthur E. Pugsley was this week elected to the position of Warden of York County. For the past six years Mr. Pugsley has been very actively engaged in York County municipal work, having been a Councillor and a Reeve.

Mr. H. C. H. Neville, who has been town engineer of Red Deer, Alta., for the past year, has accepted the position of chief engineer of the Alberta & Great Waterways Railway, with headquarters at Edmonton, Alta.