

P.W.D. 32806, deposited in the office of the Minister of Public Works, at Wellington.

4. From the said headworks the water shall be conducted by a head-race along the left bank of the said river to the power-house, the positions of the said head-race and power-house being more particularly delineated on the plan referred to in the last preceding clause hereof. All water taken from the said river by the licensee in pursuance of this license shall be returned thereto by means of a tail-race from the power-house to the river, also shown on the said plan.

5. The licensee shall in respect of his license pay to the Receiver of Land Revenue at Nelson, or otherwise as the Minister may from time to time require, a yearly rental of 1/20th of a penny per unit for each unit generated for purposes of transmission, and as ascertained by a watt meter or watt meters inserted in the circuit or circuits. Such meter or meters shall not be opened or interfered with by any unauthorized person, and the only person authorized to open, set, read, utilize, and otherwise deal with the same shall be the Resident Engineer for Public Works, Nelson, or such other officer as may be appointed for that purpose by the Minister. Payment shall be made half-yearly in each and every year during the continuance of this license upon the receipt by the licensee of a certificate from the Resident Engineer for Public Works, Nelson, or such other officer as aforesaid, setting forth the number of units so generated, the first of such payments to be made within fourteen days from the date when any certificate as aforesaid has been served on the licensee. In the event of any dispute arising as to the amount of the payment or method of calculation such dispute shall be referred to the Minister, whose decision shall be final.

6. This license may be assigned by the licensee with the express consent in writing of the Governor in Council.

7. The licensee is hereby authorized to construct, maintain, and use the following works for the purposes of this license, the position of the said works being indicated on the plan marked P.W.D. 32806 hereinbefore referred to:—

- (a.) Head-race with intake from the Wairoa River to the power-house, and tail-race from the said power-house to the said river.
- (b.) A power-house with all necessary equipment, including water-motors, generators, transformers, lightning-arresters, switchboards, switches, exciters, and other appliances for generating electricity. Such equipment shall be suitable for and capable of generating electrical energy equal to 50 brake horse-power.
- (c.) Transmission and other lines over the routes shown by means of red and blue lines on the said plan.

8. The licensee shall have the right at any time or times during the continuance of this license, with the consent of the Minister, to enter upon any road or other land, whether vested in or occupied by the Crown or any other person or body corporate, and there to construct, erect, lay down, maintain, renew, or repair all such transmission-lines, poles, or other things as are required for the transmission of electricity between the generating-station and any of the sub-stations to which this license applies.

9. Notwithstanding anything in the last preceding clause, no work of any nature shall be erected or constructed in pursuance of this license upon, over, or under any part of the Government railways until the licensee has obtained the consent of the Minister of Railways thereto, as required by section 4 of the Government Railways Amendment Act, 1910 (No. 2).

10. The licensee shall, within six months from the date of this license, make a substantial commencement of the works to which this license refers, and shall proceed continuously and energetically with the construction of all such works until they are completed, and such works shall be completed within twelve months from the date hereof, or within such further extension of time as may from time to time be determined by the Minister.

11. The Inspecting Engineer, both during and after the construction of the works, shall have free access to and liberty at any time to inspect the same, so as to ensure that the provisions of this license are given due effect to.

12. After the said works, or any portion thereof, have been completed, the licensee shall maintain the same in proper working-order during the continuance of this license.

13. The licensee is hereby empowered to take, under the Public Works Act, 1908, as for a public work, such land as may, in the opinion of the Governor, be necessary to enable the licensee to construct and maintain the various works authorized by this license.

14. Nothing herein shall prevent the Governor in Council from granting to any person or body corporate other than the licensee a license to take water from any portion of the said stream except at the place where the licensee is by this license empowered to take it: provided that no such license

shall so operate as to reduce the volume of the water which the licensee is by this license authorized to take from the said stream.

15. If the licensee fails or neglects—

- (a.) Substantially to commence the construction of the works hereinbefore described within the time limited in that behalf, or with businesslike speed to carry on the work of such construction; or
- (b.) To complete the said works within the time limited in that behalf; or
- (c.) To use or maintain the said works after completion so as to secure the full benefit of the undertaking; or
- (d.) To observe any of the conditions or obligations herein imposed,—

then and in any such case the licensee shall be liable to a fine of £50 for every week or part of a week during which such default or neglect continues, or the Governor may by Order in Council revoke this license.

16. Notwithstanding anything in the last preceding clause, this license shall not be revoked, and no proceedings shall be taken for the recovery of a fine in respect of the breach thereof, unless and until notice in writing of the intention so to revoke the license or to take such proceedings has been served upon the licensee or placed upon some principal or conspicuous part of the works, and default has been made by the licensee in repairing or remedying the breach or breaches specified in the said notice for the following periods:—

- (a.) For any breach which in the opinion of the Governor can be met by a fine, for thirty days after the service of such notice.
- (b.) For any breach which in the opinion of the Governor is of such a nature as to require the revocation of this license, for ninety days after the service of such notice.

17. Nothing herein contained shall be deemed in any way to limit any rights or powers vested in His Majesty the King, or in the Governor on his behalf, or otherwise under any Act of the General Assembly authorizing the construction, management, or working of any public works. Nor shall His Majesty, or the Governor or any person on his behalf, be liable to pay to the licensee any compensation for injury done to the works herein authorized by the construction, management, or working of any such public work as aforesaid, or for the loss occasioned thereby, or for the exercise of any such right or power as aforesaid.

18. The licensee may at any time, with the consent of the Minister, surrender this license, and shall thereupon, if so required by the Minister, remove from the ground all removable equipment, machinery, buildings, poles, transmission-lines, and other plant herein authorized to be installed or provided. If the licensee neglects or fails so to remove the said plant within twelve months after being required so to do, such equipment, machinery, buildings, poles, lines, and other plant shall, without payment of compensation, vest in and become the property of the Crown.

19. The terms and conditions of this license may at any time or from time to time, at the request or with the consent in writing of the licensee, be altered by the Governor by Order in Council.

20. With respect to the transmission and other lines authorized to be erected by this license, and to the transmission and supply of electricity in pursuance thereof, the following special provisions shall apply.

21. Single-phase alternating current shall be used in the transmission of electrical energy between the generating-station and the transformer sub-stations and in its distribution within the area of supply.

22. Current shall be generated at the power-station at a frequency of 50 cycles per second, and at a pressure not exceeding 2,500 volts.

23. At the generating-station a properly equipped non-inflammable switchboard mounted upon a substantial iron frame shall be provided. All conductors must be so guarded that no unauthorized person can under any circumstances come in contact therewith.

24. Transmission-lines shall consist of bare stranded cable of an area which shall not be less than the equivalent of No. 7/18 S.W.G., and shall be carried at a minimum height of 23 ft. above the ground, and shall be spaced at a minimum distance of 18 in. apart.

- (a.) The stress in the aerial conductors used for transmission purposes shall not exceed 25,000 lb. per square inch for copper and 12,500 lb. per square inch for aluminium in the extreme case of a temperature of 22° F. and a wind-pressure of 18 lb. per square foot of diametrical plane occurring simultaneously.
- (b.) Every support for the transmission-line shall be of durable material, and properly strengthened against forces due to wind-pressure, change of direction of the line, and unequal length of span. The factor of