

power licenses, or any combined water-power and electric-line licenses, issued under the Public Works Act, 1908, and any or all of its amendments, or under any one or more of such amendments only, or any Act or Acts passed in amendment thereof or substitution thereof.

"Low pressure" means pressures up to 650 volts.

"Minister" means the Minister of Public Works.

"Pressure" means difference of electric potential between any two conductors through which supply of energy is given, or between any part of either conductor and the earth.

"Public Works Engineer" means the engineer in charge of the Public Works District in which the area of supply is situated.

"Street" includes road.

"Telegraph" includes telephone.

2. The said water shall be used solely for the purpose of generating electricity.

3. The said water shall be taken from the said stream at the headworks, situated where Mangatangi Road crosses the said stream, at a point indicated on the plan marked P.W.D. 35040, deposited in the office of the Minister of Public Works at Wellington.

4. From the said headworks the water shall be conducted in a westerly direction by means of a pipe-line for a distance of about 3 chains to the power-house, the positions of the said pipe-line and power-house being more particularly delineated on the plan referred in the last preceding clause hereof. All water taken from the said stream by the Board in pursuance of this license shall be returned thereto at the power-house.

5. The Board shall, in respect of this license, pay to the Public Works Engineer, or otherwise as the Minister may from time to time require, a fee of one pepper-corn per annum if demanded.

6. This license shall, unless sooner determined in accordance with the provisions hereinafter expressed, continue in force for a period of forty-two years, commencing on the 1st October, 1914. Upon the expiry of the said term, or upon the sooner determination of this license by revocation or otherwise, all rights hereby granted to the Board shall thereupon cease and determine, but such expiration or determination shall not relieve the Board of any liability theretofore incurred under this license.

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

8. The Board 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. 35040 hereinbefore referred to:—

- (a.) Headworks consisting of a dam and necessary intake.
- (b.) Pipe-line leading from such dam to the power-house hereinafter referred to.
- (c.) A power-house with all necessary equipment, including water-turbines, 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 45 kilowatts.
- (d.) Transmission and other lines over the routes shown by means of red lines and small circles on the said plan.
- (e.) Such further transmission and other lines within the area of supply as may from time to time be required within such area of supply, after compliance with the provisions of clause 49.

9. The Board 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-stations and any of the sub-stations to which this license applies.

10. 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.

11. After the said works have been completed the Board shall maintain the same in proper working-order during the continuance of this license.

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

13. Nothing herein shall prevent the Governor in Council from granting to any person or body corporate other than the Board a license to take water from any portion of the

said stream except at the place where the Board 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 Board is by this license authorized to take from the said stream.

14. If the Board fails or neglects—

(a.) To use or maintain the said works after completion so as to secure the full benefit of the undertaking; or

(b.) To observe any of the conditions or obligations herein imposed—

then and in any such case the Board 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.

15. 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 Board or placed upon some principal or conspicuous part of the works, and default has been made by the Board 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.

16. 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 Board 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 loss occasioned thereby, or for the exercise of any such right or power as aforesaid.

17. The Board 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 Board 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.

18. 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 Board, be altered by the Governor by Order in Council.

19. 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:—

#### *System of Supply.*

20. Electrical energy shall be generated in the form of three-phase alternating current, at a frequency of 50 cycles per second and pressure not exceeding 2,400 volts between phases, for transmitting from the generating-station to the transformer sub-stations, and in its distribution within the area of supply.

The low-tension distribution shall be on the three-phase four-wire system, one phase wire and the neutral being used for single-phase service. The neutral point of the secondary windings of all distribution transformers shall be effectively earthed at the site of the transformer.

Low-tension distribution voltages shall be approximately 400 volts between phase wires and 230 volts from any phase wire to the earthed neutral.

Supply to street-lighting incandescent lamps and to private consumers for lighting purposes shall be at 230 volts.

#### *Regulation of Pressure.*

21. The pressure shall be maintained within 4 per cent. on lighting-distributing circuits above or below the declared pressure at the consumers' terminals. The Board shall supply a suitable recording voltmeter for this service, and on complaint by any consumer that the variations in voltage exceed these limits, or on the instructions of the Inspecting Engineer, the Board shall connect a recording voltmeter to record the pressure between the lines at their entrance to the consumers' premises, and shall supply to the Inspecting Engineer a chart showing the variations in voltage between