

DISTRICT MANAGER, ROTORUA.

“ *Buildings.*—During the year the No. 3 block of the Blue Bath building has been completed and the Tea House duly furnished and put into running-order as from the 21st December last. The block covers a floor-space of approximately 85 ft. by 33 ft., and contains terrace, lounge, and offices, kitchen, servery, and store, with concrete stairway at one end leading from kitchen to servery upstairs, and with a terrazzo marble staircase at other end for public use to tea-rooms. The first floor covers an area of 73 ft. by 30 ft., and contains a large tea-room, servery, and store. The structure is of heavy reinforced concrete, constructed throughout with float and floors of same material; roofed in with Marseilles tiles to match remainder of building.

“ The tea-room is 15 ft. 6 in. high from floor to ceiling, having ten pairs of large plate-glass casement doors, with circular fanlights above, ceiling being panelled with masonite with totara trim and beams; walls stippled cream plaster throughout, and floors of cork tiles.

“ The exterior is plastered to match the light buff of the remainder of the building, finished with a fine brush texture. The floor of terrace is panelled out with coloured cements, the whole exterior being lighted with four special flood-lights standing on pedestals at exterior of terrace.

“ The interior fittings (electric) give a pleasing effect and are of electric steel.

“ The furniture of tea-room consists of twenty sets of tables and chairs, finished walnut, tops of tables ducoed and covered with plate-glass, while the furniture of lounge consists of easy chairs and settees similar to the Ward Bath.

“ The Spout Baths at Whakarewarewa were thoroughly overhauled and painted during the year, and all other departmental buildings received general maintenance attention, which in Rotorua is a big item.

“ *Electrical Section.*—There have been no major works carried out during the year, the only large extension being that to the Oturoa Road line to give service to two farms: Oturoa Road, 6,600 volt one-phase, one mile; 230 volt one-phase, half-mile.

“ In connection with the town water-supply boosting-pump, the 6,600 volt lines were extended three-quarters of a mile from Whakarewarewa, and a bank of 3-15 kv.a. 6,600/400 volt transformers erected.

“ Reconstruction work has been carried on in several areas—namely, Whaka and adjacent streets changed over from 3,000 volt primary to 6,600 volt primary, and secondary lines rebuilt. A new line of 6,600 volt was built to the State Forest Nursery in place of the old 3,000 volt line. The 6,600 volt line through Lytton Street was completed, and the previous 3,000 volt lines and transformers changed over. The secondary lines in the Malfroy Road, James Street, and Pererika Street area were rebuilt.

“ The work of reconstructing the Okere line at the Rotorua end was continued, and two miles of line were rebuilt, on wooden poles, and new cables erected.

“ The electrical work in connection with the installation of the Hemo Gorge pump was carried out, and the plant has operated satisfactorily since its installation. This plant is fully automatic, and its operation is controlled by a time-switch.

“ Building alterations were made to the substation, and, as a result, we have much more convenient arrangements in the test-room for the linesmen and for the meter-readers.

“ In connection with the building of the new Blue Bath, assistance and supervision have been provided in connection with the electrical installation.

“ General maintenance work has been carried out on the whole electrical system. The Okere plant has been operated for one shift per day, and is in fair order. The Diesel plant has not been operated, but is available for service at any time it may be required.

“ Maintenance work has been carried out for the following sections: Baths and sanatorium, electrical and electro-medical apparatus, gardens, motor lawn-mowers and gardens tractor, the Department's motor transport vehicles, street-lighting system.

“ The following table sets out the units generated and purchased for the year, and the new load connected, &c.:—

Year.			Purchased from Public Works Department.	Generated Okere.	Total.
1933-34			2,589,414	365,489	2,954,903
1932-33			2,357,258	403,653	2,760,911
Increase for year	193,992

New Consumers.			Extensions.		
Light.	Heat.	Ranges.	Light.	Heat.	Motors.
Number. Watts.	Number. Watts.	Number. Watts.	Number. Watts.	Number. Watts.	Number. Watts.
64 29,420	52 64,400	11 52,000	90 12,870	99 51,227	29 28,125

“ Total connected load for year, 243 kw.
“ Maximum load for year, 797 kv.a., 5.30 p.m., 15th April, 1933.
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