

Arnold.—The river flow was maintained at or above continuous full-load requirements, except for a slight reduction in the station output for a period of twelve days in December.

The repair and reconditioning of No. 2 machine was completed in April, work done including the fitting of new gates and main gate-ring connecting-links, replacement of the steel thrust-bearing-cooling water-pipes in copper, conversion of fittings to brass, and changing of the transformer cooling-water suction from the manhole cover to the scroll-case.

Machine-running Times

Generator No.			Time on Load.		Time Idle.		Time under Repair.		Percentage Availability for Service.
			Hours.	Percentage.	Hours.	Percentage.	Not in Demand (Hours).	In Demand (Hours).	
1	..	..	8,184	93.2	359	4.1	241	..	97.3
2	..	..	8,049	91.6	77	0.9	658	..	92.5

Monowai.—The normal operation of the station was interrupted by six faults due to fires on the transmission line and three faults due to surge on the lines.

The rainfall for the year was 44.13 in. Floods occurred in December.

Machine-running Times

Generator No.			Time on Load.		Time Idle.		Time under Repair.		Percentage Availability for Service.
			Hours.	Percentage.	Hours.	Percentage.	Not in Demand (Hours).	In Demand (Hours).	
1	..	..	5,385	61.3	3,348	38.1	51	..	99.4
2	..	..	5,600	63.8	3,136	35.7	48	..	99.5
3	..	..	5,194	59.1	3,534	40.2	56	..	99.4

Dobson.—The Diesel station was called on to run as an auxiliary station, from April till August.

The overhaul of No. 1 engine was commenced in February. No. 2 engine has been out of service since the failure of a compressor cylinder and piston in April, 1947, the overhaul of No. 3 engine was commenced in November and completed in February, and on completion of its overhaul, No. 4 engine was put into service in June, but was withdrawn at the end of July following the loosening of a pinion on the vertical drive to the cam-shaft. A head overhaul of this engine was completed in September and the repaired cam-shaft was fitted in November.

Machine-running Times

Generator No.			Time on Load.		Time Idle.		Time under Repair.		Percentage Availability for Service.
			Hours.	Percentage.	Hours.	Percentage.	Not in Demand (Hours).	In demand (Hours).	
1	..	..	1,173	13.4	6,050	68.8	1,561	..	82.2
2	..	..	49	0.6	535	6.1	8,200	..	6.7
3	..	..	1,058	12.0	5,015	57.1	2,711	..	69.1
4	..	..	372	4.2	3,732	42.5	4,680	..	46.7