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25X1

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Katowice (Kattowitz)

1. Elektrownia Okregowa (District Power Plant) at 4 ul. Mirowska in Czestochowa (Q 51/T 63) has the following equipment:

1 steam turbine	5,600 kw	8,000 kva	three-phase current	6,000 v
1 steam turbine	5,600 kw	8,750 kva	three-phase current	6,350 v
2 steam turbines	5,000 kw	7,860 kva	three-phase current	6,350 v
1 steam turbine	100 kw	125 kva	three-phase current	380 v
Total	16,300 kw			

The distributing network operates at a voltage of 35,000, 15,000, 6,000, and 380/220 v. The plant generated 25,000,000 kw/h in 1949 and 28,000,000 kw/h in 1950. This plant supplies the town and the district of Czestochowa.

2. The Elektrownia Okregowa w Zaglebiu Dabrowskim (District Power Plant of the Dabrowa Coal Region) at 141 ul. Malobadzka in Bedzin (Q 51/Y 67) is equipped with three steam turbines with a total output of 32,150 hp, as follows:

1 steam turbine	12,500 kw	18,750 kva	three-phase current	6,600 v
1 steam turbine	6,000 kw	7,150 kva	three-phase current	6,600 v
1 steam turbine	5,000 kw	7,140 kva	three-phase current	6,600 v
Total	23,500 kw			

The distributing network operates at a voltage of 35,000, 6,000, 3,000 and 380/220 v. The transmission line is 272 km long. The plant generated 43,600,000 kw/h in 1948, 45,000,000 kw/h in 1949, and 46,000,000 kw/h in 1950.

3. The Slaskie Zaklady Elektryczne (Silesian Power Plant), Chorzow III in Chorzow (Q 51/ Y 57) has the following equipment:

1 steam turbine	13,200 kw	16,500 kva	three-phase current	6,300 v
1 steam turbine	16,000 kw	20,000 kva	three-phase current	6,300 v
1 steam turbine	18,000 kw	22,500 kva	three-phase current	6,300 v
1 steam turbine	16,000 kw	20,000 kva	three-phase current	6,300 v
1 steam turbine	4,800 kw	6,000 kva	three-phase current	6,300 v

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2 steam turbines	6,000 kw	7,500 kva	three-phase current 6,300 v
2 steam turbines	2,000 kw	2,500 kva	three-phase current 6,300 v
Total	76,000 kw		

The distributing network operates at a voltage of 60,000, 40,000, 6,000, 3,000, 2,200, 1,050, 525, 380/270, and 220/115 v. The plant generated 205,132,000 kw/h in 1949 and 338,226,000 kw/h in 1950. Power is supplied to the Huta Krolewska Ironworks.

4. The Nikolaj power plant in Ruda (Q 51/Y 47) is equipped with four steam turbines, having a total output of 22,850 hp as follows:

1 steam turbine	8,000 kw	10,000 kva	three-phase current 6,300 v
1 steam turbine	4,000 kw	5,000 kva	three-phase current 6,300 v
2 steam turbines	4,800 kw	6,000 kva	three-phase current 6,300 v
Total	16,800 kw		

The distributing network operates at a voltage of 6,000, 1,000, and 120 v. The plant generated 50,300,000 kw/h in 1948, 52,700,000 kw/h in 1949 and 58,100,000 kw/h in 1950.

5. The Slaska Elektrownia Okregowa (Silesian District Power Plant) in Czechowice, (Q 50/X 88), Bielsko district (Q 50/X 88) has the following equipment:

1 steam turbine	10,000 kw	16,700 kva	three-phase current 5,250 v
1 steam turbine	3,500 kw	5,000 kva	three-phase current 5,250 v
1 steam turbine	3,050 kw	5,210 kva	three-phase current 5,250 v
Total	16,550 kw		

The distributing network operates at a voltage of 15,000, 5,000, 500, 380/220, 127 and 110 v. The plant generated 30,700,000 kw/h in 1949 and 32,800,000 kw/h in 1950. Power is also supplied to the power plant in Bielsko (Biala) (Q 50/X 88).

6. The district power plant of the town of Cieszyn (Q 50/O 88) has the following equipment:

1 steam turbine	500 kw	625 kva	three-phase current 3,200 v
1 steam turbine	1100 kw	1570 kva	three-phase current 3,200 v
Total	1600 kw		

2 steam engines	400 kw	500 kva	three-phase current 3,200 v

The distributing network operates at a voltage of 15,000, 3,000, 380/220, and 190/110 v. The transmission line is 122 km long and the distributing network totals 98 km. The plant generated about 4,800,000 kw/h in 1949 and about 5,400,000 kw/h in 1950. The plant supplies the Cieszyn, Rybnik (Q 51/Y 25), and Pszczyna (Pless) (Q 50/X 79) districts.

7. The power plant of the Strem Inc. chemical plant on ul. Pilicka in Strzemieszyce Wielkie (Q 51/Z 77), Bedzin district (Q 51/Y 71), has two steam engines, each having a capacity of 240 kw and 300 kva. The distributing network is fed with three-phase current and operates at a voltage of 500 and 110 v. The plant generated about 1,000,000 kw/h in 1950.

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8. The power plant of the Elektrycznosc Inc. elektro-chemical plant in Zabkowice (Q 51/Y 88), Bedzin district, is equipped with

1 steam turbine	2,400 kw	3,000 kva	three-phase current 3,150 v
2 steam engines	810 kw	810 kva	direct current (D.C) 130 v

One distributing network is fed with three-phase current and operates at a voltage of 3,000 v. Another distributing network is fed with D.C. and operates at a voltage of 160 and 120 v. The plant generated more than 11,000,000 kw/h in 1950.

9. The power plant of the Nationalized Associated Azot Plant (nitrogen plant) in Chorzow (Q 51/Y 57) has four steam turbines, with a capacity of 69,360 hp, as follows:

1 steam turbine	24,200 kw	34,600 kva	three-phase current 6,300 v
1 steam turbine	11,000 kw	16,700 kva	three-phase current 6,300 v
2 steam turbines	20,000 kw	30,000 kva	three-phase current 6,200 v
Total	55,200 kw		

The distributing network operates at a voltage of 6,000, 500, and 120 v. The plant generated 191,000,000 kw/h in 1949 and 266,000,000 kw/h in 1950. The total power required by the nitrogen plant was 327,000,000 kw/h in 1950. The balance was supplied by the Chorzow III district power plant in Chorzow.

10. The district power plant of the Elektro chemical plant in Laziska Gorne (Q 51/Y 45), the large power plant of the chemical industry, has the following equipment:

1 steam turbine	35,000 kw	40,000 kva	three-phase current 10,500 v
1 steam turbine	28,000 kw	40,000 kva	three-phase current 10,500 v
1 steam turbine	12,500 kw	15,625 kva	three-phase current 6,300 v
1 steam turbine	6,400 kw	8,000 kva	three-phase current 6,300 v
1 steam turbine	5,200 kw	6,500 kva	three-phase current 6,300 v
Total	87,100 kw		

The distributing network operates at a voltage of 60,000, 20,000, 15,000, 10,000, 6,000, 3,000, 500, 380/220, and 220/127 v. The plant generated 424,000,000 kw/h in 1950. The annual production is scheduled to be increased to about 700,000,000 kw/h. The power consumption of the Elektro chemical plant is 110,824 kw/h. The power consumed by the power plant itself and the power loss totaled 42,055 kw/h. Consumers of this power plant include chemical plants, which consume 119,441,000 kw/h; other power plants, which consume 79,025,000 kw/h; mines and foundries, which consume 46,975,000 kw/h; paper mills, which consume 12,600,000 kw/h; the machine construction industry, which consumes 3,755,000 kw/h; and agricultural and small industrial installations, which consume 4,169,000 kw/h. The power plant supplies power to the town of Katowice (Q 51/Y 57) and to the districts of Rybnik and Pszczyna. The annual coal consumption of the power plant is 500,000 metric tons. The transmission line is about 200 km long and the distributing network totals about 1,200 km. The power plant of the Elektro chemical plant in Laziska Gorne has the largest capacity of all Polish power plants. A new turbo generator from Switzerland and new boilers and pumps from France were installed in 1949. The wear of the installation is considerable and repairs are constantly required. There are no reserve units.

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11. The power plant of the Radocha chemical plant on ul. Radocha in Sosnowiec (Q 51/Y 67) has the following equipment:

1 steam turbine	1,175 kw	1,175 kva	D.C.	130 v
2 steam turbines	960 kw	960 kva	D.C.	130 v
Total	2,135 kw			

1 movable steam engine (Dampflokomobile)
60 kw 72 kva D.C. 130 v

The distributing network operates at a voltage of 120 v, D.C. The plant generated 6,000,000 kw/h in 1950.

12. The power plant of the Portland Cement Factory in Goleszow (Q 50/O 83), Cieszyn (Q 50/O 83) district, has the following equipment:

1 steam turbine	3,500 kw	4,375 kva	three-phase current	550 v
1 steam turbine	1,000 kw	1,250 kva	three-phase current	550 v
Total	4,500 kw			

2 steam engines	1,376 kw	1,750 kva	three-phase current	550 v
1 steam engine	180 kw	235 kva	three-phase current	320 v

The distributing network operates at a voltage of 6,000, 550, 500, 380, 220 and 110 v. The plant generated about 17,300,000 kw/h in 1950.

13. The power plant of the Wysoka Inc. Portland Cement Factory in Wysoka (Q 51/Y 88), near Lazy (Q 51/Y 88), Zawiercie district (Q 51/Y 89), has the following equipment:

1 steam turbine	5,000 kw	6,250 kva	three-phase current	3,100 v
1 steam turbine	2,400 kw	3,000 kva	three-phase current	3,100 v
Total	7,400 kw			

1 steam engine	1,320 kw	400 kva	three-phase current	3,100 v
1 movable steam engine	100 kw	125 kva	three-phase current	125 v

The distributing network operates at a voltage of 3,000, 380, 220 and 120 v. The annual production of the plant is about 13,000,000 kw/h.

14. The power plant of the Renard Mine in Sosnowiec-Sielce (Q 51/Y 67) is located in the eastern outskirts of Sosnowiec, about 1.5 km east of the central railroad station. It has the following equipment:

1 steam turbine	3,000 kw	3,750 kva	three-phase current	3,000 v
2 steam turbines	4,000 kw	4,800 kva	three-phase current	3,000 v
1 steam turbine	1,000 kw	1,200 kva	three-phase current	3,000 v
Total	8,000 kw			

1 steam engine	700 kw	750 kva	three-phase current	3,000 v
1 steam engine	500 kw	500 kva	D.C. two-wire, ungrounded	115 v

One distributing network is fed with three-phase current and operates at a voltage of 15,000, 3,000 and 240/135 v. Another distributing network is fed with D.C. and operates at a two-wire, ungrounded 110 v D.C. The plant generated about 20,000,000 kw/h in 1940 and about 21,200,000 kw/h in 1950.

15. The power plant of the Hawka-Modrzejow Mine in Hawka (Q 51/Y 66) has the following equipment:

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1 steam turbine	10,000 kw	12,500 kva	three-phase current	3,150 v
1 steam turbine	3,000 kw	4,000 kva	three-phase current	3,150 v
1 steam turbine	1,240 kw	1,550 kva	three-phase current	3,150 v
Total	14,240 kw			

The distributing network operates at a voltage of 30,000, 15,000, 3,000, and 220 v. The plant generated 24,000,000 kw/h in 1949 and 20,000,000 kw/h in 1950.

16. The power plant of the Kazimierz Juliusz Mine in Kazimierz-Mlonce (Q 51/Y 77), Sedzin district, has the following equipment:

1 steam turbine	5,000 kw	6,250 kva	three-phase current	3,100 v
1 steam turbine	4,500 kw	5,625 kva	three-phase current	3,100 v
1 steam turbine	2,000 kw	2,500 kva	three-phase current	3,100 v
Total	11,500 kw			

The distributing network operates at a voltage of 30,000, 15,000, 1,000, and 220 v. The plant generated 24,700,000 kw/h in 1949 and 27,200,000 kw/h in 1950.

17. The power plant of the Jowisz Mine in Wojkowice-Komorne (Q 51/Y 6), Sedzin district, has the following equipment:

1 steam turbine	10,000 kw	12,500 kva	three-phase current	10,500 v
1 steam turbine	3,600 kw	4,500 kva	three-phase current	2,100 v
1 steam turbine	2,500 kw	3,130 kva	three-phase current	2,100 v
1 steam turbine	1,000 kw	1,250 kva	three-phase current	2,000 v
Total	17,100 kw			

At present, no power is generated by this plant. The steam turbines No.1 and 2 are out of operation and No.3 and 4 are reserve units. The distributing network operates at a voltage of 10,000, 5,000, 380 and 220/127 v.

18. The power plant of the Saturn Mine in Czeladz (Q 51/Y 67) has the following equipment:

1 steam turbine	1,600 kw	2,000 kva	three-phase current	2,000 v
1 steam turbine	1,000 kw	1,200 kva	three-phase current	2,000 v
Total	2,600 kw			

The distributing network operates at a voltage of 10,000, 2,000 and 220/127 v. The plant generated about 4,000,000 kw/h in 1950. Additional power is supplied by the Zagorze (Q 51/Y 77) power plant and by the district power plant of the Dabrowa region in Sedzin.

19. The power plant of the Chorzow Mine in Chorzow has the following equipment:

2 gas-fired generators	2,400 kw	5,000 kva	three-phase current	3,200 v
2 gas-fired generators	1,200 kw	2,000 kva	three-phase current	310 v

One distributing network is fed with three-phase current and operates at a voltage of 3,000, 300 and 150 v. Another distributing network is fed with D.C. and operates at a voltage of 400 v. In 1950, the plant generated 14,000,000 kw/h. The Chorzow Mine consumed 22,000 kw/h. The balance was supplied by the Chorzow III power plant.

20. The power plant of the Katowice Mine in Katowice-Bogucice (Q 51/Y 57) has the following equipment:

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1 steam turbine	6,400 kw	8,000 kva	three-phase current	6,300 v
1 steam turbine	2,400 kw	3,000 kva	three-phase current	2,100 v
1 steam turbine	1,000 kw	1,250 kva	three-phase current	525 v
Total	9,800 kw			

2 steam engines	1,400 kw	1,740 kva	three-phase current	525 v

The distributing network operates at a voltage of 6,000, 2,000, 500, 220 and 120 v. The plant generated 18,400,000 kw/h in 1949 and 19,300,000 kw/h in 1950.

21. The power plant of the Wujek Mine in Katowice-Brynow (Q 51/Y 57) has the following equipment:

1 steam turbine	6,400 kw	8,000 kva	three-phase current	3,150 v
3 steam turbines	6,000 kw	7,500 kva	three-phase current	3,150 v
Total	12,400 kw			

The distributing network operates at a voltage of 6,000, 3,000, and 220 v. The plant generated 23,100,000 kw/h in 1949, and 26,400,000 kw/h in 1950. Power is supplied to the Wujek Mine, to the suburb of Brynow and also to the Chorzow III district power plant.

22. The power plant of the Kleofas Mine in Katowice-Zaleze (Q 51/Y 57) has the following equipment:

1 steam turbine	3,720 kw	3,720 kva	three-phase current	3,150 v
		720 kva	D.C.	600 v
1 steam turbine	3,720 kw	3,750 kva	three-phase current	3,150 v
		720 kva	D.C.	600 v
1 steam turbine	1,500 kw	1,875 kva	three-phase current	3,150 v
Total	8,940 kw			

One distributing network is fed with three-phase current and operates at a voltage of 3,000, 500, 220 and 120 v. Another distributing network is fed with D.C. and operates at a two-wire ungrounded 110 v current and at 250 and 600 v. The plant generated 15,700,000 kw/h in 1949, and about 17,000,000 kw/h in 1950.

23. The power plant of the Wieczorek Mine in Janow (Q 51/Y 66) near Katowice has the following equipment:

2 steam turbines	17,200 kw	19,000 kva	three-phase current	6,300 v
1 steam turbine	4,000 kw	5,000 kva	three-phase current	6,300 v
1 steam turbine	5,720 kw	7,150 kva	three-phase current	2,150 v
1 steam turbine	2,900 kw	3,630 kva	three-phase current	2,150 v
Total	29,820 kw			

The distributing network operates at a voltage of 6,000, 2,000, 500, 220, and 120 v. The plant generated 117,000,000 kw/h in 1949 and 123,200,000 kw/h in 1950. The Wieczorek Mine requires about 35,000,000 kw/h. The surplus power is supplied to other industries through the Chorzow III district power plant.

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24. The power plant of the Karol Mine in Orzegow (Q 51/Y 47) is located about 4 km south of the outskirts of Ryton (Beuthen) (Q 51/Y 58). It is equipped with:

1 steam turbine	1,000 kw	1,250 kva	three-phase current 2,000 v
1 steam engine	600 kw	460 kva	three-phase current 2,000 v
		250 kva	D.C. two-wire, ungrounded 110 v

One distributing network is fed with three-phase current and operates at a voltage of 6,000, 2,000, 500, 220 and 110 v. Another distributing network is fed with D.C. and operates at a two-wire ungrounded 110 v current. The plant generated 2,800,000 kw/h in 1949 and 3,700,000 kw/h in 1950. The Karol Mine requires about 5,500,000 kw/h. Additional power is supplied by the district power plant in Zaborze (Q 51/Y 74), Zabrze (Hindenburg) district (Q 51/Y 74).

25. The power plant of the Polska Mine in Swietochlowice (Q 51/Y 47) has the following equipment:

1 steam turbine	4,500 kw	5,125 kva	three-phase current 3,150 v
1 steam turbine	3,000 kw	4,000 kva	three-phase current 3,150 v
1 steam turbine	2,250 kw	2,820 kva	three-phase current 3,150 v
2 steam turbines	2,000 kw	2,500 kva	three-phase current 3,150 v
Total	11,750 kw		

One distributing network is fed with three-phase current and operates at a voltage of 10,000, 3,000, 500, 220 and 120 v. Another distributing network is fed with D.C. and operates at a voltage of 600, 250 and 120 v. The plant generated 29,600,000 kw/h in 1949 and 31,200,000 kw/h in 1950. The plant supplies power to the Chorzow III district power plant.

26. The power plant of the Siemianowice Mine in Siemianowice (Q 51/Y 57) has the following equipment:

1 steam turbine	11,000 kw	15,000 kva	three-phase current 3,150 v
1 steam turbine	2,340 kw	2,880 kva	three-phase current 3,150 v
1 steam turbine	6,400 kw	8,000 kva	three-phase current 3,150 v
1 steam turbine	20 kw	20 kva	D.C. 110 v
Total	19,760 kw		

One distributing network is fed with three-phase current and operates at a voltage of 40,000, 3,000, 300 and 120 v. Another distributing network is fed with D.C. and operates at a voltage of 110 v. The plant generated 53,800,000 kw/h in 1950. The Siemianowice Mine requires about 40,000,000 kw/h. The surplus power is supplied to the Chorzow III district power plant.

27. The power plant of the Anna Mine in Pszow (Q 51/Y 14), Rybnik district, has the following equipment:

1 steam turbine	12,800 kw	16,000 kva	three-phase current 5,300 v
2 steam turbines	12,000 kw	15,000 kva	three-phase current 5,300 v
Total	24,800 kw		

The distributing network operates at a voltage of 20,000, 5,000, 2,000, 500 and 110 v. The plant generated 54,000,000 kw/h in 1949 and 57,100,000 kw/h in 1950. The Anna Mine requires about 30,000,000 kw/h. The surplus power is supplied to the Raciborz (P 51/Y 60) power plant and to the Chorzow III district power plant.

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28. The power plant of the Emma Mine in Radlin (Q 51/Y 14), Rybnik district, has the following equipment:

1 steam turbine	5,600 kw	7,000 kva	three-phase current	5,200 v
1 steam turbine	4,500 kw	5,625 kva	three-phase current	5,200 v
1 steam turbine	3,200 kw	4,000 kva	three-phase current	5,200 v
1 steam turbine	1,000 kw	1,250 kva	three-phase current	530 v
Total	14,300 kw			

The distributing network operates at a voltage of 20,000, 5,000 and 380/220 v. The plant generated 37,200,000 kw/h in 1949 and 41,400,000 kw/h in 1950. The Emma Mine requires about 32,000,000 kw/h. The surplus power is supplied to the Chorzow III district power plant, to the Ignacy Mine and to the Rybnik power plant.

29. The power plant of the Jankowice Mine in Boguszowice (Q 51/Y 25), Rybnik district, has one steam turbine with a capacity of 3,600 kw, 4,500 kva, 3,150 v, three-phase current. The distributing network operates at a voltage of 60,000, 20,000, 3,000, 500, 380, 220 and 125 v. The plant generated 5,100,000 kw/h in 1949, and 8,500,000 kw/h in 1950. The power plant of the Jankowice Mine supplies power to the Zory (Q 51/Y 34) power plant.

30. The power plant of the Knurow Mine in Knurow (Q 51/Y 36), Rybnik district, has the following equipment:

1 steam turbine	3,500 kw	4,375 kva	three-phase current	2,200 v
1 steam turbine	2,400 kw	3,000 kva	three-phase current	2,200 v
1 steam turbine	1,600 kw	2,000 kva	three-phase current	2,200 v
Total	7,500 kw			

The distributing network operates at a voltage of 6,000, 2,000, 500 and 220/117 v. The power plant of the Knurow Mine is a reserve plant and does not produce current. It requires about 37,000,000 kw/h which are supplied by the Chorzow III district power plant.

31. The power plant of the Chwalowice Mine in Chwalowice (Q 51/Y 25) is located 2.5 km south of Rybnik. It has the following equipment:

1 steam turbine	3,000 kw	3,750 kva	three-phase current	3,150 v
1 steam turbine	3,520 kw	4,400 kva	three-phase current	3,150 v
1 steam turbine	3,200 kw	4,000 kva	three-phase current	3,150 v
2 steam turbines	1,040 kw	1,300 kva	three-phase current	3,150 v
Total	10,760 kw			

One distributing network is fed with three-phase current and operates at a voltage of 60,000, 20,000, 3,000,500, 380, 220 and 125 v. Another distributing network operates at a voltage of 110 v, D.C. A 60 kv transmission line leads from the power plant of the Chwalowice Mine to Knurow. This power plant generated 38,000,000 kw/h in 1949 and 42,000,000 kw/h in 1950. The requirements of the Chwalowice Mine are unknown. Power is supplied to the Chorzow III district power plant.

32. The power plant of the Debiensko Mine in Czerwionka (Q 51/Y 35), Rybnik district, has the following equipment:

1 steam turbine	3,000 kw	3,750 kva	three-phase current	3,150 v
1 steam turbine	3,400 kw	4,250 kva	three-phase current	3,150 v
1 steam turbine	1,040 kw	1,300 kva	three-phase current	3,150 v
Total	7,440 kw			
2 steam engines	960 kw	1,200 kva	three-phase current	525 v

The distributing network operates at a voltage of 3,000, 500, 220/220 and 120 v. The plant generated 19,800,000 kw/h in 1949 and 20,600,000 kw/h in 1950.

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33. The power plant of the Rydultowy Mine in Rydultowy (Q 51/Y 15), Rybnik district, has the following equipment:

1 steam turbine	6,400 kw	8,000 kva	three-phase current	6,300 v
2 steam turbines	4,960 kw	6,200 kva	three-phase current	1,050 v
Total	11,360 kw			

One distributing network is fed with three-phase current and operates at a voltage of 60,000, 20,000, 6,000, 1,000, 380, 220 and 120 v. Another distributing network operates at a voltage of 250 v, D.C. The plant generated about 21,000,000 kw/h in 1949. The Rydultowy Mine requires only about 15,000,000 kw/h. Where the surplus power is utilized is not known.

34. The power plant of the Ignacy Mine in Niewiadom-Gorny (Q 51/Y 15), Rybnik district, has the following equipment:

1 steam turbine	1,000 kw	1,250 kva	three-phase current	525 v
2 steam engines	900 kw	1,140 kva	three-phase current	525 v
Total	1,900 kw			

The distributing network operates at a voltage of 500 and 120 v. The plant generated 7,300,000 kw/h in 1950. Additional power required by the Ignacy Mine was supplied by the power plant of the Emma Mine.

35. The power plant of the Boleslaw Smialy Mine in Laziska Gorne (Q 51/Y 45), Pszczyna district, has the following equipment:

1 steam turbine	3,300 kw	4,125 kva	three-phase current	2,000 v
1 steam turbine	2,000 kw	2,500 kva	three-phase current	2,000 v
Total	5,300 kw			

One distributing network is fed with three-phase current and operates at a voltage of 20,000, 6,000, 2,000, 500, 380/220, and 220/127 v. Another distributing network operates at a voltage of 110 v, D.C. The plant generated 5,000,000 kw/h in 1950. The annual requirements of the Boleslaw Smialy Mine are about 14,000,000 kw/h. Additional power is supplied by the power plant of the Elektro Chemical Plant in Laziska Gorne.

36. The power plant of the Boze Dary Mine in Kostuchna (Q 51/Y 56), Pszczyna district, has the following equipment:

1 steam turbine	4,000 kw	5,000 kva	three-phase current	3,150 v
2 steam turbines	3,200 kw	4,000 kva	three-phase current	3,150 v
Total	7,200 kw			

1 steam engine	43 kw	43 kva D.C.	120 v

One distributing network is fed with three-phase current and operates at a voltage of 20,000, 10,000, 3,000, 500, 380/220 and 220 v. Another distributing network operates on a two-wire, ungrounded, 110 v direct current. The power plant is a reserve plant. The Boze Dary Mine requires about 20,000,000 kw/h. It is not known which plant supplies power to the mine.

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37. The power plant of the Andaluzja Mine in Brzozowice-Kamien (Q 51/Y 58) near Brzeziny (Q 51/Y 58), Tarnowskie Gory district (Q 51/Y 49), has the following equipment:

2 steam turbines	4,320 kw	4,320 kva	D.C.	288/432 v
1 steam turbine	3,000 kw	2,500 kva	three-phase current	5,250 v
1 steam turbine	2,000 kw	2,500 kva	three-phase current	6,300 v
Total	9,320 kw			

One distributing network is fed with three-phase current and operates at a voltage of 6,000, 500, and 120 v. Another distributing network is fed with D.C. and operates at a voltage of 500, 288/432, and 110 v. The plant generated 31,200,000 kw/h in 1950. The power requirements of the Andaluzja Mine are about 14,200,000 kw/h. The surplus power is supplied to the Chorzow III district power plant.

38. The power plant of the Myslowice Mine in Myslowice (Q 51/Y 66) has the following equipment:

1 steam turbine	6,400 kw	8,000 kva	three-phase current	2,200 v
1 steam turbine	3,600 kw	4,500 kva	three-phase current	2,200 v
1 steam turbine	1,000 kw	1,250 kva	three-phase current	2,200 v
1 steam turbine	20 kw	20 kva	D.C.	120 v
Total	11,020 kw			

1 steam engine	1,500 kw	1,500 kva	three-phase current	2,200 v
2 steam engines	900 kw	900 kva	three-phase current	2,200 v

One distributing network is fed with three-phase current and operates at a voltage of 2,000, 500, 220, and 120 v. Another distributing network operates at a voltage of 500, 220, and 110 v, D.C. The plant generated 21,713,000 kw/h in 1950.

39. The power plant of the Gliwice Mine in Gliwice (Q 51/Y 37) has the following equipment:

1 steam turbine	6,400 kw	8,000 kva	three-phase current	3,150 v
1 steam turbine	3,400 kw	4,250 kva	three-phase current	3,150 v
1 steam turbine	1,040 kw	1,300 kva	three-phase current	3,100 v
Total	10,840 kw			

The annual production of the power plant is about 18,900,000 kw/h.

40. The power plant of the Milowice Metallurgical Plant, located in the western section of Sosnowiec-Stary (Q 51/Y 67), has the following equipment:

2 steam turbines	2,000 kw	2,860 kva	three-phase current	6,300 v
1 steam turbine	820 kw	820 kva	D.C.	500 v
Total	2,820 kw			

One distributing network is fed with three-phase current and operates at a voltage of 6,000, 500, and 120 v. Another distributing network operates at a voltage of 110 v, D.C. The plant generated 5,900,000 kw/h in 1950.

41. The power plant of the Sosnowiec Metallurgical Plant on ul. Nowopogonska in Sosnowiec has the following equipment:

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1 steam turbine	1,480 kw	930 kva	three-phase current	3,000 v
		730 kva	three-phase current	3,000 v
1 steam turbine	840 kw	840 kva	D.C.	500 v
Total	2,320 kw			

One distributing network is fed with three-phase current and operates at a voltage of 3,000 and 220 v. Another distributing network operates at a voltage of 500 and 110 v, D.C. The power plant of the Sosnowiec Metallurgical Plant is a reserve plant, which depends on the district power plant in Bedzin which supplied 8,400,000 kw/h in 1950.

42. The power plant of the Katarzyna Metallurgical Plant on ul. Staszica in Sosnowiec has two steam turbines with a capacity of 1,300 kw, 1,640 kva and 500 v, three-phase current. The distributing network operates on a voltage of 500 and 110 v. The annual production of the power plant is 4,000,000 kw/h. Additional power is supplied by the Bedzin district power plant, which supplied 910,000 kw/h to the Katarzyna Foundry Power Plant in 1950.

43. The power plant of the Huta Pankowa on ul. Sobieskiego in Dabrowa Gornicza (Q 51/Y 77) has the following equipment:

2 steam turbines	6,400 kw	8,000 kva	three-phase current	3,200 v
1 steam engine	696 kw	348 kva	D.C.	240 v
		348 kva	D.C.	240 v

One distributing network is fed with three-phase current and operates at a voltage of 15,000, 3000, and 220 v. Another distributing network operates at a voltage of 220 v, D.C. The power plant of the Huta Pankowa is a reserve plant. The power station of the General Zawadzki Mine and the Bedzin district power plant supply power to the Huta Pankowa power plant. No data is available concerning the power requirements.

44. The power plant of the Szopjenice Metallurgical Plant in Szopjenice (Q 51/Y 67), Katowice district, has one steam turbine with a capacity of 1,200 kw, 1,500 kva, 6,300 v, three-phase current. The power plant of the Szopjenice Metallurgical Plant is a reserve plant. The district power plant in Chorzow and the power plant of the Wieczorek Mine in Janow supply power to the Szopjenice power plant. No figures are available as to the power generated by the reserve plant on the power supplied by the Chorzow III and Janow plants.

45. The power plant of the Florian Metallurgical Plant in Sosnowiec (Q 51/Y 47) has the following equipment:

1 steam turbine	25,000 kw	31,250 kva	three-phase current	3,150 v
1 steam turbine	11,000 kw	14,660 kva	three-phase current	3,150 v
1 steam turbine	6,000 kw	7,500 kva	three-phase current	3,150 v
1 steam turbine	5,000 kw	6,250 kva	three-phase current	3,150 v
2 steam turbines	4,000 kw	5,000 kva	three-phase current	3,150 v
Total	51,000 kw			

One distributing network is fed with three-phase current and operates at a voltage of 20,000, 3,000, 500, and 120 v. Another distributing network operates at a voltage of 500, 220, and 120 v, D.C. The annual production of the plant is about 110,000,000 kw/h. It supplies power to the Huta Katory and to the Huta Kosciuszki, both in Chorzow.

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46. The power plant of the Kosciuszko Metallurgical Plant on ul. Moniuszki in Chorzow has the following equipment:

2 gas-fired generators	2,400 kw	5,000 kva	three-phase current	3,200 v
2 gas-fired generators	1,200 kw	2,000 kva	three-phase current	310 v.

One distributing network is fed with three-phase current and operates at a voltage of 3,000, 300 and 150 v. Another distributing network operates at a voltage of 440 v, D.C. No data is available concerning the amount of power generated by the plant yearly. Additional power is supplied by the power plant of the Siemianowice Line and the Florian Metallurgical Plant through a 3,000 v transmission line.

47. The power plant of the Zawiercie Metallurgical Plant in Zawiercie-Marty (Q 51/Y 89) is equipped with:

1 steam turbine	2,250 kw	3,000 kva	three-phase current	3,150 v
1 steam turbine	287 kw	287 kva D.C.		230 v
1 steam engine	250 kw	250 kva D.C.		230 v

One distributing network is fed with three-phase current and operates at a voltage of 3,000 v. Another distributing network operates at a voltage of 220 v, D.C. The power plant of the Zawiercie Metallurgical Plant is a reserve plant. Power is supplied through the Sieci Elektryczne (electric networks) of Sedzin and amounted to 1,815,000 kw/h in 1950.

48. The power plant of the Silesia Metallurgical Plant in Sobnik has one steam turbine with a capacity of 400 kw, 500 kva, 3,000 v, three-phase current, and one steam engine on which no data was available. One distributing network is fed with three-phase current and operates at a voltage of 20,000, 3,000, 220, and 120 v. Another distributing network operates at a voltage of 220 and 120 v, D.C. The power plant of the Silesia Metallurgical Plant is a reserve plant. Power is supplied by the Elektro power plant in Laziska Gorne and by the power plant of the Sosna Line in Radlin. Data concerning the amount of power received by the Silesia Metallurgical Plant was not available.

Krakow (Krakau) (Q 51/Z 24)

49. The district power plant in Siersza Wodna (Q 51/Y 86), Chrzanow (Q 51/Y 85) district, near Trzebinia (Q 51/Y 95) is equipped with four steam turbines, having a total output of 30,000 hp, as follows:

1 steam turbine	12,500 kw	17,850 kva	three-phase current	5,500 v
1 steam turbine	5,000 kw	7,150 kva	three-phase current	5,500 v
2 steam turbines	5,000 kw	7,140 kva	three-phase current	5,500 v
Total	22,500 kw			

The distributing network operates at a voltage of 22,000, 5,000, 380/220, and 220/127 v. The transmission line is 174 km long and the distributing network totals 140 km. The plant generated about 36,000,000 kw/h in 1949, and about 37,000,000 kw/h in 1950.

50. The power plant of the Azot Electro-chemical Plant in Jaworzno (Q 51/Y 76), Chrzanow district, is equipped with two steam turbines, having a total output of 11,600 hp, as follows:

1 steam turbine	6,250 kw	voltage unknown	three-phase current	5,250 v
1 steam turbine	12,500 kw	" "	three-phase current	5,250 v
Total	18,750 kw			

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The distributing network operates at a voltage of 5,000, 3,000, 500, 220, and 120 v. In 1948, the power plant generated about 10,000,000 kw/h and the Azot Electro-chemical Plant consumed about 21,000,000 kw/h. In 1950, power generation reached 22,900,000 kw/h but the power requirements of the Azot Plant increased to about 25,000,000 kw/h. The balance of the power required was supplied by the district power plant in Jaworzno (Q 51/Y 76).

51. The power plant of the Moscice Associated Nitrogen Plant, Tarnow (Q 51/Z 94) district, is equipped with:

3 steam turbines	22,800 kw	28,500 kva	three-phase current 6,300 v
1 steam turbine	2,100 kw	2,625 kva	three-phase current 6,300 v
Total	24,900 kw		

The distributing network for Tarnow operates at a voltage of 6,000 and 220 v. The overhead line for the streetcar system has a voltage of 500 v. The power plant generates an average of 70,000,000 kw/h per year, of which about 3,000,000 kw/h are supplied to the town of Tarnow.

52. The power plant of the Szczakowa Portland Cement Factory, Chrzanow district, has four AEG steam turbines with a total output of 10,240 hp:

1 steam turbine	3,500 kw	4,375 kva	three-phase current 550 v
1 steam turbine	2,500 kw	3,125 kva	three-phase current 550 v
2 steam turbines	1,000 kw	1,250 kva	three-phase current 550 v
Total	7,000 kw		

One distributing network is fed with three-phase current and operates at a voltage of 500, 220, and 120 v. Another distributing network operates at a voltage of 220 D.C. and on a two-wire, ungrounded, 120 v, direct current. The plant generates 20,000,000 kw/h per year.

53. The power plant of the Sobieski Mine in Bory (Q 51/Y 76), Chrzanow district, has three steam turbines with a total output of 5,410 hp:

1 steam turbine	800 kw	900 kva	three-phase current 2,200 v
1 steam turbine	1,760 kw	2,200 kva	three-phase current 2,200 v
1 steam turbine	1,000 kw	1,250 kva	three-phase current 2,200 v
Total	3,560 kw		

The distributing network operates at a voltage of 2,000, 550, 380, and 220 v. The plant generated 10,200,000 kw/h in 1950. The annual requirements of the Sobieski Mine are only about 5,000,000 kw/h. The surplus power is supplied to the district power plant in Jaworzno (Q 51/Y 76).

54. The power plant of the Janina Mine in Libiaz-Maly (Q 51/Y 75), Chrzanow district, is equipped with four steam turbines, with a total output of 8,760 hp, and one steam engine with an output of 330 hp:

1 steam turbine	2,000 kw	2,500 kva	three-phase current 1,050 v
1 steam turbine	3,300 kw	4,125 kva	three-phase current 1,050 v
1 steam turbine	1,120 kw	1,250 kva	three-phase current 1,050 v
1 steam turbine	200 kw	240 kva	three-phase current 240 v
Total	6,620 kw		

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Specifications of the steam engine were not available. The distributing network operates at a voltage of 1,000 and 220 v. The plant generated 7,100,000 kw/h in 1950. The requirements of the Janina mine are about 5,500,000 kw/h. The surplus power is supplied to the distributing network.

55. The power plant of the Jaworzno Mine in Jaworzno (Q 51/Y 76), Chrzanow district, has the following equipment:

1 steam turbine	11,500 kw	14,400 kva	three-phase current 6,300 v
1 steam turbine	6,250 kw	12,500 kva	three-phase current 5,250 v
1 steam turbine	3,520 kw	4,400 kva	three-phase current 3,150 v
1 steam turbine	3,300 kw	4,125 kva	three-phase current 3,150 v
1 steam turbine	800 kw	1,000 kva	three-phase current 3,150 v
Total	25,370 kw		

The distributing network operates at a voltage of 60,000, 30,000, 6,000, 3,000, 380/220, and 220/127 v. The transmission line is about 130 km long and the distributing network totals about 40 km. The power plant of the Jaworzno Mine is a district power plant and generated 70,750,000 kw/h in 1949 and 76,400,000 kw/h, in 1950. Power is also supplied to the town of Jaworzno, to Krakow, Olkusz (Q 51/Y 97), Byczyna, Jelen (Q 51/Y 76), Dlugoszyn (Q 51/Y 76), Dabrowa (Q 51/Y 77), Szczakowa (Q 51/Y 76), and Ciezkowice (Q 51/Y 86).

56. The power plant at 13 ul. Potorego in Bielsko-Biala (Q 50/X 88) has one steam turbine with an output of 2,140 hp and two steam engines with a total output of 900 hp:

1 steam engine	1,500 kw	2,140 kva	three-phase current 5,000 v
1 steam engine	500 kw	640 kva	three-phase current 2,100 v

Specifications of the steam turbine were not available.

One distributing network is fed with three-phase current and has a voltage of 5,000 and 380/220 v and another distributing network is fed with D.C. and has a voltage of 5,000, 2,000, 220, and 110 v. The overhead line of the streetcar system has a voltage of 500 v. The plant generates about 2,000,000 kw/h per year. In 1950, the total power requirements of Bielsko-Biala amounted to about 12,000,000 kw/h. The additional power requirements are supplied by the Silesia power plant in Czechowice (Q 50/X 88), Bielsko district.

57. The power plant of the chemical factory and refinery in Oswiecim (Auschwitz)-Dwory (Q 51/Y 74) has one steam turbine with a capacity of 10,000 kw, 12,500 kva, 5,500 v, three-phase current. In 1951, another steam turbine with a capacity of 3,200 kw, 4,000 kva, 5,200 v, three-phase current, was being installed. It had a boiler with a heating surface of 300 square meters. The second steam turbine increase the total capacity to 13,200 kw. The distributing network operates at a voltage of 5,000, 3,000, 380/220, and 220 v. In 1950 the plant allegedly generated 9,500,000 kw/h.

58. The power plant of the Brzeszcze Mine in Brzeszcze (Q 50/X 99) near Oswiecim (Q 51/Y 74), Biala district, has the following equipment:

1 steam turbine	5,000 kw	6,600 kva	three-phase current 5,700 v
1 steam turbine	3,500 kw	4,400 kva	three-phase current 5,700 v
1 steam turbine	1,200 kw	1,500 kva	three-phase current 570 v
1 steam turbine	300 kw	375 kva	three-phase current 570 v
Total	10,000 kw		

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The distributing network operates at a voltage of 5,500, 550, 220, and 110 v. The plant generated 10,300,000 kw/h in 1949, and 10,700,000 kw/h in 1950.

Rzeszow

59. The Industry Plant of the city of Rzeszow (R 51/V 74) is located at 1 Plac Targowy in Rzeszow. It has the following equipment:

1 steam engine	460 kw	460 kva	D.C.	2 x 250 v
1 steam engine	250 kw	250 kva	D.C.	2 x 250 v
1 Diesel engine	210 kw	210 kva	D.C.	2 x 250 v
2 Diesel engines	140 kw	140 kva	D.C.	2 x 250 v

The distributing network operates at a voltage of 6,000 and 2 x 220 v and totals about 40 km. The plant generated about 1,200,000 kw/h in 1949 and about 1,400,000 kw/h in 1950.

60. The Municipal Power Plant of Przemysl (S 50/V 55) is located at 3 ul. Targowica in Przemysl and has the following equipment:

1 Diesel engine	600 kw	750 kva	three-phase current 6,300 v
1 Diesel engine	270 kw	300 kva	three-phase current 6,300 v
1 steam turbine	400 kw	400 kva	D.C. two-wire, ungrounded, 160 v
2 steam engines	400 kw	400 kva	D.C. " " "

One distributing network is fed with three-phase current and operates at a voltage of 6,000, 380/220, and 220 v. Another distributing network is fed with D.C. and operates on a two-wire, ungrounded, 150 v direct current. The plant generated 2,800,000 kw/h in 1949 and 3,000,000 kw/h in 1950.

61. The power plant at 59 Sienkiewicza in Kielce (R 51/U 73) has three turbines, with a total output of 5,200 hp:

1 steam turbine	3,500 kw	4,375 kva	three-phase current 3,150 v
1 steam turbine	800 kw	1,325 kva	three-phase current 1,325 v
1 steam turbine	750 kw	1,125 kva	three-phase current 3,150 v
Total	5,050 kw		

The distributing network operates at a voltage of 15,000, 3,000, and 380/220 v. The plant produced 6,800,000 kw/h in 1949 and 7,900,000 kw/h in 1950.

Lodz

62. The Municipal Power Plant in Lodz (Q 52/O 93) has the following equipment:

1 steam turbine	6,400 kw	8,500 kva	three-phase current 3,150 v
1 steam turbine	22,000 kw	30,800 kva	three-phase current 6,300 v
1 steam turbine	20,000 kw	26,660 kva	three-phase current 6,300 v
2 steam turbines	12,800 kw	16,000 kva	three-phase current 3,150 v
1 steam turbine	5,000 kw	6,250 kva	three-phase current 3,300 v
1 steam turbine	3,500 kw	4,380 kva	three-phase current 3,200 v
1 steam turbine	1,050 kw	1,300 kva	three-phase current 3,000 v
Total	70,750 kw		

The distributing network operates at a voltage of 30,000, 6,000, 3,000, 380/220 and 120 v. The transmission line is 690 km long, and the distributing network totals 900 km. The plant generated 154,000,000 kw/h in 1950. The municipal power plant supplies power to the town of Lodz, to the communities of the province of Lodz, and to industrial installations.

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63. The Municipal Power Plant at 35 ul. Narutowicza in Piotrkow (Q 52/U 19) has three steam turbines with a total output of 3,370 hp:

1 steam turbine	1,500 kw	1,875 kva	three-phase current 3,000 v
1 steam turbine	750 kw	812 kva	three-phase current 3,000 v
1 steam turbine	600 kw	750 kva	three-phase current 3,000 v
Total	2,850 kw		

The distributing network operates at a voltage of 35,000, 6,000, 3,000, and 380/220 v. The long-distance transmission line is about 25 km long and the distributing network totals about 130 km. The plant generated 6,500,000 kw/h in 1949 and 6,200,000 kw/h in 1950.

64. The Municipal Power Plant at 8 Aynek Kilinskiego in Zgierz (Q 52/O 24) has the following equipment:

1 steam turbine	132 kw	165 kva	three-phase current 3,300 v
1 steam turbine	3,000 kw	5,000 kva	three-phase current 3,300 v
2 steam turbines	3,500 kw	5,000 kva	three-phase current 3,300 v
Total	6,632 kw		

1 Diesel engine	400 kw	500 kva	three-phase current 3,300 v
1 Diesel engine	144 kw	180 kva	three-phase current 3,200 v

The distributing network operates at a voltage of 35,000, 3,000, 380/220, 220, and 120 v. The plant generated 12,400,000 kw/h in 1950.

Warsaw

65. The power plant of the Warsaw district (Elektrownia Okregu Warszawskiego) is located in Pruszkow (R 53/P 80), near Warsaw (R 53/L 09). It has the following equipment:

1 steam turbine	15,000 kw	21,400 kva	three-phase current 5,500 v
1 steam turbine	8,000 kw	11,400 kva	three-phase current 5,500 v
1 steam turbine	5,000 kw	6,250 kva	three-phase current 5,500 v
1 steam turbine	3,500 kw	4,400 kva	three-phase current 5,500 v
1 steam turbine	1,250 kw	1,550 kva	three-phase current 3,000 v
Total	32,750 kw		

The 1,250 kw steam turbine is scheduled to be replaced. The distributing network operates at a voltage of 35,000, 15,000, 5,000, and 380/220 v. The plant generated 49,800,000 kw/h in 1949 and 47,700,000 kw/h in 1950.

66. The Municipal Power Plant at 8 ul. Kolejowa in Plock-Radziwie (Q 53/K 12) has two steam turbines with a capacity of 1,920 kw, 2,400 kva, 6,300 v, three-phase current. The distributing network operates at a voltage of 30,000, 6,300, and 380/220 v. The transmission line is 20 km long and the distributing network totals 57 km. The plant generated 2,700,000 kw/h in 1948, 2,500,000 kw/h in 1949, and 2,600,000 kw/h in 1950.

Bialystok

The power plant of the Electric Power Company in Bialystok (S 54/G 49) has the following equipment:

1 steam turbine	3,000 kw	3,750 kva	three-phase current 3,000 v
1 steam turbine	2,500 kw	3,500 kva	three-phase current 3,000 v
1 steam turbine	1,360 kw	1,700 kva	three-phase current 3,000 v
Total	6,860 kw		

2 steam engines	640 kw	880 kva	three-phase current 3,000 v

The 3,000 kw steam turbine was installed in 1951. The distributing network operates at a voltage of 15,000, 3,000, 380/220, and 220/225 v. The plant

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generated 8,100,000 kw/h in 1949 and 8,700,000 kw/h in 1950.

Poznan (Posen)

68. The Municipal Power Plant at 15 ul. Grobla in Poznan (P 53/K 26) has two steam turbines with a total output of 23,500 hp:

2 steam turbines 20,000 kw 25,000 kva three-phase current 6,300 v

One distributing network is fed with three-phase current and operates at a voltage of 20,000, 15,000, 6,000, and 380/220 v. Another distributing network is fed with D.C. and operates on a two-wire, ungrounded, 220 v current. The transmission line is about 120 km long, the distributing network totals about 450 km. The plant generated 33,000,000 kw/h in 1950. Power is supplied to the town of Poznan and to several small communities in the vicinity.

Bydgoszcz (Bromberg)

69. The Municipal Power plant in Bydgoszcz (P 54/S 04) has the following equipment:

1 steam turbine	3,500 kw	4,375 kva	three-phase current 6,300 v
1 steam turbine	3,000 kw	3,750 kva	three-phase current 6,300 v
Total	6,500 kw		

1 Diesel engine	550 kw	625 kva	three-phase current 6,300 v

The distributing network operates at a voltage of 15,000, 6,000, and 380/220 v. The transmission line is 110 km long and the distributing network totals 180 km. The plant generated about 12,000,000 kw/h in 1950.

70. The Municipal Power Plant at 6-7 ul. Curie-Sklodowska in Grudziadz (Graudenz) (Q 54/D 53) has the following equipment:

1 steam turbine	4,000 kw	5,000 kva	three-phase current 5,250 v
1 steam turbine	2,300 kw	2,800 kva	three-phase current 5,250 v
1 steam turbine	500 kw	500 kva	D.C. two-wire, ungrounded 250 v
Total	6,800 kw		

One distributing network is fed with three-phase current and operates at a voltage of 15,000, 5,000, and 380/220 v. Another distributing network is fed with D.C. and operates on a two-wire, ungrounded 220 v current. The plant generated 15,500,000 kw/h in 1950.

71. The Municipal Power Plant at 35 ul. Pickary in Torun (Thorn) (Q 54/J 39) has the following equipment:

1 steam turbine	1,000 kw	1,250 kva	three-phase current 6,600 v
2 steam engines	660 kw	830 kva	three-phase current 6,600 v

The Municipal Power Plant in Torun is a reserve plant. Its transformers have a capacity of 6,648 kva. Power is supplied by the power plant in Grodek (Q 54/D 23). One distributing network is fed with three-phase current and operates at a voltage of 15,000, 6,000, and 380/220 v. Another distributing network is fed with D.C. and operates on a two-wire, ungrounded 220 v current. About 8,000,000 kw/h were supplied in 1950 and distributed to Torun, Podgorz (Q 53/J 37), Mudak (Q 54/J 47), Czerniewice (Q 53/J 72), Otloczyn (Q 53/J 46), Wiechocinek (Q 53/J 56), and Aleksandrow (Q 53/J 46).

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72. The Pomorska Elektrownia Okregowa, east Pomeranian district Hydroelectric Plant in Grodek, (Q 54/D 23), Swiecie (Schwetz) (Q 54/D 32) district, has three water turbines, with a total output of 5,600 hp:

1 water turbine	1,500 kw	1,850 kva	three-phase current 3,150 v
2 water turbines	2,400 kw	3,140 kva	three-phase current 3,150 v

The distributing network operates at a voltage of 60,000, 15,000, and 380/220 v. The plant generated 19,000,000 kw/h in 1949 and 20,300,000 kw/h in 1950.

73. The Pomorska Elektrownia Okregowa, east Pomeranian district Hydroelectric Plant in Laur (Sauermuehle) (Q 54/D 23) near Osie (Osche) (Q 54/D 24), Swiecie district, has two water turbines of 6,200 kw, 8,800 kva, 6,600 v, three-phase current, with a total output of 12,000 hp. The distributing network operates at a voltage of 60,000, 15,000, and 380/220 v. The plant generated 16,000 kw/h in 1949 and 17,000,000 kw/h in 1950. The Pomorska Elektrownia Okregowa, including both the Hydroelectric Plant in Grodek and the Hydroelectric Plant in Laur supplies power to the following districts: Aleksandrow, Chelmno (Culm) (Q 54/D 31), Gdynia (Gdingen) (Q 57/Y 44), Grudziadz (Graudenz), Swiecie, Torun (Thorn), and to Tczew (Dirschau) (Q 54/D 60).

Wroclaw (Breslau)

74. The power plant of the Pafawag (Panstwowa Fabryka Wagonow) in Wroclaw (Breslau) (P 52/C 41) is equipped with:

5 steam turbines	7,800 kw	9,750 kva	) type of current and
2 steam engines	500 kw	640 kva	) voltage unknown.

Figures concerning the amount of power generated by the power plant were not available. The distributing network operates at a voltage of 6,000, 3,000, and 380/220 v.

75. The district power plant in Legnica (Liegnitz) (O 52/B 82) has the following equipment:

1 steam turbine	1,400 kw	2,200 kva	)
1 steam turbine	2,000 kw	2,600 kva	) type of current and voltage
1 steam turbine	3,650 kw	5,260 kva	) unknown.
1 steam turbine	6,300 kw	9,000 kva	)
Total	13,350 kw		

One distributing network is fed with three-phase current and operates at a voltage of 20,000, 10,000, 3,000, 500, 380, 220, and 220/115 v. Another distributing network is fed with D.C. and operates at a two-wire, ungrounded 150 v and at 500 v. The plant generates about 17,600,000 kw/h per year.

Opole (Oppeln)

76. The Municipal Power Plant in Opole (P 51/J 17) has the following equipment:

2 steam turbines	1,750 kw	2,190 kva	three-phase current 3,100 v
2 Diesel engines	514 kw	514 kva	D.C. 440 v

One distributing network is fed with three-phase current and operates at a voltage of 20,000, 4,000, 380/220, and 220/130 v. Another distributing network is fed with D.C. and operates on a two-wire, ungrounded 120 v current. No power is produced at the Opole power plant. Power is supplied by the Cementownia (Cement Works) Groszowice power plant in Groszowice (Groschwitz) (P 51/J 27). In 1950, about 6,500,000 kw/h were supplied to the municipal plant.

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77. The power plant of the Cementownia Groszowice Plant in Groszowice (Groschwitz) (Portland Cement Factory), Opole district, has the following equipment:

1 steam turbine	7,000 kw	8,750 kva	three-phase current 5,500 v
1 steam turbine	3,000 kw	3,750 kva	three-phase current 5,500 v
Total	10,000 kw		

The plant also has two other steam turbines, but details concerning these turbines were not available. The distributing network operates at a voltage of 20,000, 440, and 380/220 v.
Statistics concerning the amount of power generated by this plant were not available. The plant supplied current to the Municipal Power Plant in Opole.

78. The Municipal Power Plant in Nysa (Neisse) (P 51/H 75) has two water turbines with a capacity of 882 kw, 1,230 kva, three-phase current. The voltage of these two turbines was not known. One distributing network is fed with three-phase current and operates at a voltage of 15,000, 3,000, and 380/220 v. Another distributing network is fed with D.C. and operates on a two-wire, 220 v ungrounded current. The plant generates about 2,300,000 kw/h per year. Additional power is supplied by the Powiatowa Centrala Elektryczna (District Electrical Central Station) in Nysa.

Danzig (Gdansk)

79. The Pomorze Stocki Mlyn district power plant in Stocki Mlyn, Tczew (Dirschau) (Q 55/D 59) district, has the following equipment:

2 steam turbines	1,500 kw	1,876 kva	three-phase current 6,000 v
1 water turbine	220 kw	680 kva	three-phase current 6,000 v
1 water turbine	120 kw	250 kva	three-phase current 6,000 v

The transformers of the Pomorze Stocki Mlyn district power plant have a capacity of 5,500 kva. The distributing network operates at a voltage of 15,000, 6,000, 500, 380/220, and 120 v. The transmission line is 400 km long. The plant generated 3,200,000 kw/h in 1949 and 3,300,000 kw/h in 1950. Power is supplied to Starogard (Stargard) (Q 54/D 30) and Tczew (Dirschau).

80. The power plant at 5 ul. Kollataja in Tczew has transformers with a capacity of 2,232 kva. Power is supplied by the Pomorze Stocki Mlyn district power plant. No further details were available concerning the installations of the Tczew power plant.

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