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SUPPLEMENT TO REPORT NO.



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THIS IS UNEVALUATED INFORMATION

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1. The power plant of the P. Lamprecht Paper and Cardboard Factory at 1 ul. Legionow in Sosnowiec (Q 51/Y 67) is equipped with 1 steam engine with a capacity of 100 kw, 100 kva and 220 v D.C. The distributing network operates at a voltage of 220 v. The plant generates 310,000 kw-h per year.

2. The power plant of the Mikolow Paper Factory at 5 ul. Rybnicka in Mikolow (Q 51/Y 56) has the following equipment:

1 steam turbine	1,600 kw	2,000 kva	three-phase current	380 v
1 steam turbine	1,400 kw	1,750 kva	three-phase current	380 v
Total	3,000 kw			

The distributing network operates at a voltage of 3,000, 500 and 380/220 v. The plant generates about 10,500,000 kw-h per year.

3. The power plant of the Metal and Zinc Rolling Mill in Dziedzice (Q 50/X 89), Bielsko district (Q 50/X 88), has one steam engine with a capacity of 330 kw, 550 kva and 3,000 v, three-phase current. The distributing network operates at a voltage of 15,000, 3,000 and 380/220 v. The plant generates about 500,000 kw-h per year. An additional supply of 3,200,000 kw-h is received from the Silesia District Power Plant (Elektrownia Okregowa) in Czechowice (Q 50/X 88).

4. The power plant of the Mineral Oil Refinery, the former Vacuum Oil Company, in Czechowice, (Q 50/X 88) Bielsko district, has the following equipment:

3 steam engines	240 kw	240 kva	D.C.	240 v
1 combustion engine	95 kw	95 kva	D.C.	240 v

The distributing network operates at a voltage of 220 v. The plant generates about 800,000 kw-h per year.

5. The power plant of the Chybie Sugar Factory in Chybie (Q 50/X 69), Bielsko district, has 3 steam engines with a capacity of 417 kw, 525 kva and 380 v, three-phase current. One distributing network is fed with three-phase current and operates at a voltage of 380 v. Another distributing network is fed with D.C. and operates at a voltage of 110 v. The plant generates about 500,000 kw-h per year.

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6. The power plant of the Stradom National Wire Cable Plant No 3 in Czestochowa (Q 51/T 63) has the following equipment:

2 steam turbines	2,400 kw	2,500 kva	three-phase current	525 v
1 steam turbine	180 kw	200 kva	three-phase current	525 v
Total	2,580 kw			

The distributing network operates at a voltage of 500, 220, and 110 v. The plant generates about 3,200,000 kw-h per year.

7. The Municipal Power Plant in Kluczbork (Krouzburg) (P 51/T 05) has the following equipment:

1 water turbine	30 kw	43 kva	three-phase current	300 v
1 gas engine	70 kw	92 kva	three-phase current	3,000 v

The Municipal Power Plant is a reserve plant. No power is generated by this plant. It receives 590,000 kw-h from the Sieci Elektryczne (electric networks) in Nysa (Neisse) (P 51/H 75). The plant supplies 550,000 kw-h per year.

8. The Zura Solna National Power Plant in Wieliczka (Q 50/Y 59), Gracow (Q 51/Z 24) district, has the following equipment:

1 steam turbine	1,500 kw	1,760 kva	three-phase current	3,150 v
2 steam engines	1,100 kw	1,440 kva	three-phase current	3,150 v

One distributing network is fed with three-phase current and operates at a voltage of 3,000, 380 and 220/127 v. Another distributing network is fed with D.C. and operates at a voltage of 220 and 120 v. The plant generates 8,000,000 kw-h per year. The Wieliczka Power Plant operates in conjunction with the power plant of the Jaworzno Mine in Jaworzno (Q 51/Y 76).

9. The power plant of the Main Railroad Repair Plant in Nowy Sacz (R 50/Y 94), Gracow district, has the following equipment:

1 Diesel engine	500 kw	600 kva	three-phase current	380/220 v
1 Diesel engine	480 kw	600 kva	three-phase current	380/220 v
1 Diesel engine	100 kw	125 kva	three-phase current	380/220 v
1 steam engine	185 kw	215 kva	three-phase current	380/220 v
1 steam engine	130 kw	145 kva	three-phase current	280/160 v
1 movable steam engine	100 kw	115 kva	three-phase current	3,000 v

The distributing network operates at a voltage of 3,000, 380/220 and 280/160 v. The plant generates about 1,100,000 kw-h per year.

10. The Zakopane (Q 50/Y 41) Power Plant, Nowy Targ (Q 50/Y 53) district, has the following equipment:

1 Diesel engine	514 kw	640 kva	three-phase current	5,250 v
1 Diesel engine	320 kw	420 kva	three-phase current	5,250 v
1 Diesel engine	265 kw	335 kva	three-phase current	5,250 v

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The distributing network operates at a voltage of 5,000 and 380/220 v. The plant generates 1,640,000 kw-h per year.

10. The hydro-electric power plant in Zakopane-Kuznice (Q 50/Y 41), Nowy Targ district, has two water turbines with a capacity of 230 kw, 680 kva and 5,000 v, three-phase current. The distributing network operates at a voltage of 5,000 and 380/220 v. The hydro-electric power plant generates 802,000 kw-h per year. Power is also supplied to the Zakopane Power Plant.

12. The power plant of the Solali Paper Plant in Zywiec-Zablocie (Q 50/X 96) has the following equipment:

1 steam turbine	880 kw	1,100 kva	three-phase current	3,000 v
1 steam turbine	2,450 kw	3,500 kva	three-phase current	3,000 v
1 water turbine	74 kw	50 kva	three-phase current	380 v
		74 kva	D.C.	300 v
Total	3,404 kw			
1 Diesel engine	80 kw	100 kva	three-phase current	380 v
		27 kva	D.C.	300 v

One distributing network is fed with three-phase current and operates at a voltage of 3,000, 380/220 and 120 v. Another distributing network is fed with D.C. and operates at a voltage of 3,000 and 120 v. The plant generates about 12,000,000 kw-h per year.

13. The power plant of the Okocim Brewery and Industrial Works in Okocim (R 50/Y 98), Brzesko (R 50/Y 97) district, has the following equipment:

1 steam turbine	440 kw	500 kva	three-phase current	320 v
1 steam engine	380 kw	470 kva	three-phase current	220 v
1 steam engine	275 kw	200 kva	three-phase current	220 v
		75 kva	D.C.	120 v

One distributing network is fed with three-phase current and operates at a voltage of 2,000 and 220 v. Another distributing network is fed with D.C. and operates at a voltage of 120 v. The plant generates about 1,500,000 kw-h per year.

14. The power plant of the Krosno mining district (Elektrownia Zagłębia Krosnienskiego) in Przeworka (R 50/Z 65), Jaslo district, has 4 gas engines with a capacity of 2,080 kw, 2,600 kva and 6,300 v, three-phase current. The distributing network operates at a voltage of 35,000, 6,000 and 380/220 v. The plant generates 4,230,000 kw-h per year.

15. The power plant of the Naphtha Refinery in Glinik Marjanowski (R 50/Z 34), Gorlice (R 50/Z 34) district, has the following equipment:

1 steam turbine	850 kw	1,000 kva	three-phase current	2,030 v
1 steam engine	110 kw	130 kva	three-phase current	2,030 v
1 Diesel engine	87 kw	100 kva	three-phase current	2,030 v

The distributing network operates at a voltage of 2,000 and 380/220 v. The plant generates 4,300,000 kw-h per year.

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16. The power plant of the Glinik Marjampolski Machine Plant, Gorlice district, is equipped with:

1 steam engine	225 kw	175 kva	three-phase current	230 v
		100 kva	three-phase current	230 v
		44 kva	three-phase current	230 v

The distributing network operates at a voltage of 2,000 and 220 v. The plant generates about 400,000 kw-h per year.

17. The power plant of the Przeworsk Sugar Factory in Przeworsk (S 51/P 04), has the following equipment:

1 steam turbine	840 kw	1,050 kva	three-phase current	400 v
1 steam turbine	840 kw	1,050 kva	three-phase current	400 v
Total	1,680 kw			

1 steam engine	124 kw	155 kva	three-phase current	380 v
1 steam engine	80 kw	100 kva	three-phase current	380 v
1 Diesel engine	72 kw	90 kva	three-phase current	380 v

The distributing network operates at a voltage of 380/220 v. The plant generates about 1,300,000 kw-h per year.

18. The power plant of the Starachowice Mining Industry (Elektrownia Starachowickich Zakladow Gorniczych) in Starachowice (R 52/Q 05), Ilza (R 52/Q 16) district, has the following equipment:

1 steam turbine	2,000 kw	2,500 kva	three-phase current	3,150 v
1 steam turbine	1,000 kw	1,240 kva	three-phase current	3,150 v
Total	3,000 kw			

The distributing network operates at a voltage of 3,000, 380, 220 and 120 v. The plant generates about 17,000,000 kw-h per year.

19. The power plant in Suwalki (S 55/B 29) has the following equipment:

1 steam turbine	840 kw	1,050 kva	three-phase current	6,600 v
1 portable steam engine	280 kw	200 kva	three-phase current	5,500 v
		150 kva	three-phase current	1,500 v
1 portable steam engine	160 kw	100 kva	three-phase current	5,500 v
		100 kva	three-phase current	5,500 v

One distributing network is fed with three-phase current and operates at a voltage of 380 v. Another distributing network is fed with D.C. and operates at a voltage of 110 v. The plant generates 1,420,000 kw-h per year.

20. The power plant of the National Plant for Yarn Production No 1, the former Zaklady Zyrardowskie (Zyrardow Plant), in Zyrardow (R 53/P 66), has the following equipment:

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1 steam turbine	1,250 kw	1,920 kva	three-phase current	500 v
1 steam turbine	1,000 kw	1,250 kva	three-phase current	500 v
1 steam turbine	500 kw	625 kva	three-phase current	500 v
Total	2,750 kw			

1 steam engine	360 kw	450 kva	three-phase current	500 v
1 steam engine	350 kw	450 kva	three-phase current	500 v

The distributing network operates at a voltage of 6,000, 500 and 110 v. The plant generates about 7,000,000 kw-h per year.

21. The power plant of the Paper Factory in Jeziorna (R 53/L 07), the former Mirkowska plant, has the following equipment:

1 steam turbine	2,000 kw	2,500 kva	three-phase current	3,000 v
1 steam turbine	4,000 kw	3,750 kva	three-phase current	3,000 v
		1,000 kva	D.C.	240 v
Total	6,000 kw			

One distributing network is fed with three-phase current and operates at a voltage of 3,000, 220 and 110 v. Another distributing network is fed with D.C. and operates at a voltage of 220 v. The plant generates about 18,000,000 kw-h per year.

22. The power plant in Jablonna (R 53/K 90) has the following equipment:

1 Diesel engine	216 kw	270 kva	three-phase current	3,300 v
1 Diesel engine	216 kw	270 kva	three-phase current	3,300 v
1 Diesel engine	72 kw	90 kva	three-phase current	3,150 v

The distributing network operates at a voltage of 15,000, 3,000 and 380/220 v. The plant generates 2,010,000 kw-h per year.

23. The power plant of the Cellulose Yarn and Cellulose Fabrics Producing Plant in Chodakow (Q 53/P 59), Sochaczew (Q 53/P 48) district, has the following equipment:

1 steam turbine	6,000 kw	1,430 kva	three-phase current	520 v
1 steam turbine	1,900 kw	2,300 kva	three-phase current	3,000 v
1 steam turbine	950 kw	1,070 kva	three-phase current	3,000 v
Total	8,850 kw			

The distributing network operates at a voltage of 3,000, 500 and 380/220 v. The plant generates about 20,000,000 kw-h per year.

24. The power plant of the Wool Spinning Mill in Marki (R 53/L 09), the former Gebrueder E. Briggs plant, has the following equipment:

1 steam turbine	1,500 kw	1,875 kva	three-phase current	500 v
1 steam engine	65 kw	81 kva	three-phase current	500 v

The distributing network operates at a voltage of 500 and 220 v. The plant generates about 700,000 kw-h per year.

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25. The power plant in Falenica (R 53/L 18) has the following equipment:

1 Diesel engine	200 kw	250 kva	three-phase current	6,300 v
1 Diesel engine	140 kw	175 kva	three-phase current	6,300 v
1 Diesel engine	56 kw	70 kva	three-phase current	400 v

The distributing network operates at a voltage of 6,000 and 300/220 v. The plant generates 652,000 kw-h per year.

26. The power plant of the Plant for Cotton Products, the former Jakob Reitenberg Plant, in Lodz (Q 52/O 93), has one steam turbine with a capacity of 1,000 kw, 1,250 kva and 525 v three-phase current. The distributing network operates at a voltage of 500 and 120 v. The plant generates about 3,500,000 kw-h per year.

27. The power plant of the Plant for Cotton Products, the former Ludwik Geyer Plant, in Lodz, has the following equipment:

1 steam turbine	1,060 kw	1,250 kva	three-phase current	1,050 v
1 steam engine	67 kw	67 kva	D.C.	110 v
1 steam engine	54 kw	54 kva	D.C.	110 v
1 steam engine	90 kw	90 kva	D.C.	110 v

One distributing network is fed with three-phase current and operates at a voltage of 1,000, 220 and 120 v. Another distributing network is fed with D.C. and operates at a voltage of 110 v. The plant generates 3,500,000 kw-h per year.

28. The power plant of the National Plant for Metal Products in Osiny (Q 52/P 14), Brzeziny (Q 52/P 15) district, has the following equipment:

1 steam turbine	2,200 kw	2,200 kva	D.C.	140 v
1 water turbine	50 kw	130 kva	D.C.	220 v
Total	2,250 kw			

The distributing network is fed with D.C. and operates at a two-wire, ungrounded 220 v current. The plant generates about 3,500,000 kw-h per year.

29. The power plant in Gniezno (Gnesen) (P 53/X 68), an installation of the Gniezno Municipal Utility Plants, has the following equipment:

1 gas engine	410 kw	410 kva	D.C. two wire, ungrounded	240 v
1 gas engine	250 kw	250 kva	D.C. two wire, ungrounded	250 v
1 gas engine	160 kw	160 kva	D.C. two wire, ungrounded	250 v
1 portable steam engine	270 kw	270 kva	D.C. two wire, ungrounded	250 v

The distributing network is fed with D.C. and operates at a two-wire, ungrounded 220 v current. The plant generates 2,410,000 kw-h per year.

30. The power plant of the Gniezno Sugar Factory in Gniezno has the following equipment:

1 steam turbine	2,000 kw	2,500 kva	three-phase current	380/220 v
1 steam engine	120 kw	150 kva	three-phase current	380/220 v

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1 steam engine	80 kw	100 kva	three-phase current	380/220 v
1 steam engine	35 kw	35 kva	D.C.	220 v

The distributing network is fed with three-phase current and operates at a voltage of 380/220 v. The plant generates about 1,000,000 kw-h per year.

31. The power plant of the Koscianska Sugar Factory in Koscian (P 53/X 02) has the following equipment:

1 steam turbine	1,100 kw	1,375 kva	three-phase current	525 v
1 steam turbine	1,100 kw	1,375 kva	three-phase current	525 v
Total	2,200 kw			

1 steam engine	43 kw	54 kva	three-phase current	500 v
1 steam engine	36 kw	36 kva	D.C.	110 to 150 v

One distributing network is fed with three-phase current and operates at a voltage of 500 v. Another distributing network is fed with D.C. and operates at a voltage of 220 and 110 v. The plant generates about 1,000,000 kw-h per year.

32. The power plant of the Main Railroad Repair Plant in Ostrow (Wielkopolski) (P 52/O 01) has the following equipment:

1 steam turbine	1,000 kw	1,250 kva	three-phase current	3,150 v
1 Diesel engine	220 kw	250 kva	three-phase current	380 v

The distributing network operates at a voltage of 3,000, 380/220 and 220/127 v. The plant generates about 1,500,000 kw-h per year. Additional power is received from the Ostrow Municipal Power Plant.

33. The Municipal Power Plant in Ostrow has 3 combustion engines with a capacity of 708 kw, 750 kva and 3,000 v, three-phase current. The distributing network operates at a voltage of 3,000 and 380/220 v. The plant generates 1,150,000 kw-h per year.

34. The Railroad Power Plant in Ostrow has 2 combustion engines with a capacity of 270 kw, 350 kva and 5,000 v, three-phase current. 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 220 v. The plant generates 342,000 kw-h per year.

35. The power plant of the Sugar Factory in Szamotuly (P 53/W 98) has the following equipment:

1 steam turbine	1,200 kw	1,600 kva	three-phase current	380 v
1 steam turbine	1,200 kw	1,600 kva	three-phase current	380 v
Total	2,400 kw			

1 steam engine	15 kw	15 kva	D.C.	220 v
		18 kva	D.C.	110 v

One distributing network is fed with three-phase current and operates at a voltage of 380 v. Another distributing network is fed with D.C. and operates at a voltage of 110 v. The plant generates about 1,000,000 kw-h per year.

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36. The power plant of the Sugar Factory in Mrzesnia (P 53/X 65) has the following equipment:

1 steam turbine	1,500 kw	2,000 kva	three-phase current	400 v
1 portable steam engine	50 kw	140 kva	three-phase current	400 v
1 steam engine	62 kw	17 kva	D.C.	110 v
		36 kva	D.C.	120 v
		36 kva	D.C.	110 v

One distributing network is fed with three-phase current and operates at a voltage of 300 v. Another distributing network is fed with D.C. and operates at a voltage of 120 v. The plant generates about 1,500,000 kw-h per year.

37. The Municipal Power Plant of Mrzesnia has the following equipment:

2 steam engines	450 kw	450 kva	D.C.	220 v
1 engine of an unknown type	75 kw	75 kva	D.C.	220 v

The distributing network operates at a voltage of 220 v D.C. The plant generates 5,420,000 kw-h per year.

38. The power plant of the Sugar Factory and Refinery in Goslawice (P 53/O 19), near Konin (P 53/O 18), has the following equipment:

3 steam engines	581 kw	730 kva	three-phase current	500 v
1 portable steam engine	40 kw	103 kva	three-phase current	500 v

The distributing network operates at a voltage of 500 and 110 v. The plant generates about 700,000 kw-h per year.

39. The power plant of the Potato Industry, the former Lubon-Wronki plant, in Lubon (P 53/X 25) has the following equipment:

1 steam turbine	320 kw	400 kva	three-phase current	330 v
1 steam turbine	750 kw	938 kva	three-phase current	330 v
Total	1,070 kw			

The distributing network operates at a voltage of 380/220 v. The plant generates about 2,400,000 kw-h per year. The power plant of the Lubon Potato Industry operates in conjunction with the Poznan Power Plant.

40. The power plant of the Wapienno Plant in Wapienno (P 53/S 81), near Barcin (P 53/S 82), Szubin (P 54/S 73) district, has the following equipment:

2 Diesel engines	860 kw	860 kva	D.C.	550 v
1 Diesel engine	168 kw	168 kw	D.C.	550 v
1 Diesel engine	80 kw	80 kva	D.C.	550 v

The distributing network operates at a voltage of 500 and 220 v. No figures were available concerning the amount of power generated by the plant.

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41. The power plant of the Znin Sugar Factory in Znin (P 53/S 71) has the following equipment:

1 steam turbine	1,100 kw	1,570 kva	three-phase current	380/220v
1 steam turbine	96 kw	120 kva	three-phase current	380/220v
<u>Total</u>	<u>1,196 kw</u>			

1 steam engine	52 kw	52 kva	D.C.	110 v
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One distributing network is fed with three-phase current and operates at a voltage of 380/220 v. Another distributing network is fed with D.C. and operates at a voltage of 110 v. The plant generates about 1,200,000 kw-h per year.

42. The power plant of the Chemizna Factory in Bydgoszcz-Grnakala (P 54/S 84) has the following equipment:

1 water turbine	751 kw	1,200 kva	three-phase current	3,150 v
1 water turbine	386 kw	500 kva	three-phase current	3,150 v
1 water turbine	711 kw	770 kva	three-phase current	3,150 v
<u>Total</u>	<u>1,848 kw</u>			

The distributing network operates at a voltage of 3,000 and 110 v. The plant generates about 3,000,000 kw-h per year.

43. The power plant of the Bronberg Paper Factory (Bydgoska Fabryka Papieru), the former Wielkopolska Papiarnia, in Bydgoszcz-Czyzkowo (P 54/S 85), has the following equipment:

1 steam turbine	500 kw	500 kva	D.C.	500 v
2 steam engines	340 kw	340 kva	D.C.	500 v
1 portable steam engine	50 kw	50 kva	D.C.	115 v

The distributing network operates at a voltage of 220 v D.C. The plant generates about 2,400,000 kw-h per year.

44. The power plant of the Soda Factory, the former Solvay Plant, in Matwy (Q 54/D 54), Inowroclaw (Hohensalza) (P 53/J 15) district, has the following equipment:

1 steam turbine	365 kw	520 kva	three-phase current	525 v
1 steam engine	400 kw	500 kva	three-phase current	500 v
2 steam engines	300 kw	376 kva	three-phase current	500 v

The distributing network operates at a voltage of 5,000, 500, 220 and 120 v. The plant generates about 5,000,000 kw-h per year.

45. The power plant of the Sugar Factory in Naklo (Nakel) (P 54/S 54), Wyrzysk (Wirsitz) (P 54/S 34) district, has the following equipment:

2 steam turbines	3,400 kw	4,260 kva	three-phase current	400 v
1 steam engine	100 kw	100 kva	D.C.	250 v

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1 engine of an unknown type	36 kw	36 kva	D.C.	240 v
1 engine of an unknown type	11 kw	11 kva	D.C.	220 v

One distributing network is fed with three-phase current and operates at a voltage of 380/220 v. Another distributing network is fed with D.C. and operates at a voltage of 220 v. The plant generates about 1,600,000 kw-h per year.

46. The power plant of the Industry Plants in Wiezychowo (P 54/S 24), P.O. Bialosliwiec (P 54/S 24), Wyrzysk district, has the following equipment:

1 steam turbine	1,750 kw	2,200 kva	three-phase current	5,000 v
1 steam turbine	1,000 kw	1,250 kva	three-phase current	5,000 v
Total	2,750 kw			

The distributing network operates at a voltage of 15,000, 5,000, 380/220 and 220/127 v. The plant generates about 3,500,000 kw-h per year. Power is also supplied to the Wyrzysk Central Electric Power Plant.

47. The power plant of the Chelmsa Sugar Factory in Chelmsa (Culmsa) (Q 54/J 49), Torun (Thorn) (Q 54/J 39) district, has the following equipment:

1 steam turbine	1,904 kw	2,380 kva	three-phase current	400/230 v
1 steam turbine	1,600 kw	2,000 kva	three-phase current	400/230 v
Total	3,504 kw			

1 steam engine	168 kw	210 kva	three-phase current	400/230 v
1 steam engine	100 kw	100 kva	D.C.	220 v
1 steam engine	20 kw	46 kva	D.C.	220 v

One distributing network is fed with three-phase current and operates at a voltage of 380/220 v. Another distributing network is fed with D.C. and operates at a voltage of 220 v. The plant generates about 2,500,000 kw-h per year. Power is also received from the Chelmsa (Culm) (Q 54/W 31) Central County Power Plant (Powiatowa Centrala Elektryczna).

48. The hydro-electric power station in Lubachow (Breitenhain) (P 51/H 17), Swidnica (Schweidnitz) (P 51/H 16) district, consists of two installations. Plant No I has the following equipment:

3 water turbines	1,283 kw	1,550 kva	three-phase current	10,000 v
1 water turbine	500 kw	630 kva	three-phase current	6,000 v
Total	1,783 kw			

Plant No II has 3 three-phase current transformers with a capacity of 2,500 kva. The distributing network of the station operates at a voltage of 10,000 v. The station generates 4,600,000 kw-h per year.

49. The hydro-electric power plant in Wrzeszczyn (O 51/G 58), Jelenia Gora (Hirschberg) (O 51/G 68) district, has two water turbines with a capacity of 4,710 kw, 5,865 kva, and 6,000 v, three-phase current. The distributing network operates at a voltage of 10,000 v. The plant generates 8,190,000 kw-h per year.

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50. The hydro-electric power station in Siedlecin (Boberrochrsdorf) (O 51/G 58), Silesia Gora district, consists of two installations. Plant No I has the following equipment:

2 water turbines	1,583 kw	1,725 kva	three-phase current	6,000 v
1 water turbine	1,000 kw	1,250 kva	three-phase current	6,000 v
Total	2,583 kw			

Plant No II has two water turbines with a capacity of 267 kw, 300 kva, and 6,000 v three-phase current. The distributing network of the station operates at a voltage of 10,000 v. The station generates 6,300,000 kw-h per year.

51. The hydro-electric power station in Pilchowice (Lauer) (O 51/G 59), Iwonek (Loewenberg in Silesia) (O 52/B 40) district, consists of two installations. Plant No I has the following equipment:

2 water turbines	5,000 kw	7,150 kva	three-phase current	10,000 v
1 water turbine	1,000 kw	1,200 kva	three-phase current	6,000 v
2 water turbines	1,940 kw	2,550 kva	three-phase current	6,000 v
Total	7,940 kw			

Plant No II has the following equipment:

1 water turbine	500 kw	630 kva	three-phase current	6,000 v
1 water turbine	300 kw	545 kva	three-phase current	6,000 v
Total	800 kw			

The distributing network operates at a voltage of 10,000 v. The plant generates 12,700,000 kw-h per year.

52. The hydro-electric power plant in Zlotniki (Goldentraum) (O 52/G 39), Luban (Luban) (O 52/B 20) district, has three water turbines with a capacity of 4,416 kw, 5,520 kva and 6,000 v, three-phase current. The distributing network operates at a voltage of 10,000 v. The plant generates 7,250,000 kw-h per year.
53. The hydro-electric power plant in Lesna (Marklissa) (O 52/G 29), Luban district, has 5 steam turbines with a capacity of 2,630 kw, 5,155 kva, and 10,000 v three-phase current. The distributing network operates at a voltage of 10,000 v. The plant generates 6,900,000 kw-h per year.
54. The Municipal Power Station in Klodzko (Glatz) (P 51/H 34) consists of two installations. Plant No I has 2 water turbines with a capacity of 190 kw, 222 kva and 3,000 v three-phase current. Plant No II has an unknown number of three-phase current transformers with a capacity of 579 kva and a transformer ratio of 20,000 v and 3,000 v to 380/220 v. The distributing network of the station operates at a voltage of 20,000, 3,000 and 380/220 v. An additional power supply of 1,640,000 kw-h per year is received from the Central County Power Plant (Powiatowa Centrala Elektryczna) in Klodzko. The Municipal Power Plant generates 1,590,000 kw-h per year.
55. The district power plant (Elektrownia Olegowa) in Elblag (Elbing) (Q 55/Y 90) has the following equipment:

2 steam turbines	11,200 kw	16,750 kva	three-phase current	5,500 v
1 steam turbine	12,500 kw	18,700 kva	three-phase current	5,500 v
Total	23,700 kw			

The distributing network operates at a voltage of 15,000, 6,000, 3,000 and 380/220 v. The plant generates 37,870,000 kw-h per year.

56. The power plant in Szymia (Schingen) (Q 55/Y 44) has 1 steam turbine with a capacity of 7,500 kw, 10,000 kva, and 15,000 v three-phase current. The distributing network operates at a voltage of 60,000, 15,000 and 380/220 v. The

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plant generates 1,430,000 kw-h per year. The peak requirements are supplied by the power plants in Grodek (Q 54/D 23) and Zur (Sauermuehle) (Q 54/D 23).

57. The Bolszewo Power Plant in Bolszewo (P 55/Y 15), P.O. Goscicino (Gossentin) (P 55/Y 15), Gdynia district, has the following equipment:

2 water turbines	80 kw	145 kva	three-phase current	3,150 v
1 Diesel engine	80 kw	90 kva	three-phase current	3,150 v
1 Diesel engine	34 kw	45 kva	three-phase current	3,150 v

The distributing network operates at a voltage of 3,000 and 380/220 v. The plant generates 112,000 kw-h per year. \*

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\*  Comment. As the reported power plants are listed according to districts, it is not possible to obtain a comprehensive picture of the relationships in the electric power industry, not even within the various districts. The report also fails to indicate which year is covered by the statistics concerning the amount of power generated. The ratio between the installed capacity and the amount of power generated is feasible in all cases except that reported for the Municipal Power Plant of Wrzesnia (paragraph 37). In this case the amount of power reportedly generated per year appears too high for the reported installed capacity. The power installations of the sugar factories are operated only during the four months of the sugar beet season. An annual performance of 400 to 900 working hours is therefore credible. The power stations of a number of the industrial plants have a low yearly performance, ranging from 1,100 to 2,500 working hours. Most of these stations are equipped only with emergency units or old installations which are put into operation only when the public network cannot supply sufficient power. The annual performance of the hydro-electric power stations ranges from 1,500 to 2,800 working hours, which apparently is due to variations in the local water control conditions. However, the statistics reported for these plants generally appear feasible.

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