Declassified E.O. 12356 Section 3.3/NND No. 785019

ACC CEB/9/1

10000/150/714

INTELLIGENCE
NOV. 1943 - AUG

Declassified E.O. 12356 Section 3.3/NND No. 785019

0000/150/714 INTELLIGENCE, POWER SUPPLY
NOV. 1943 - AUG. 1944

Note for Sir. Major PRICE

* PROVINCE

| TOWNS | NAME OF COMPANY | Caracteristics | | | |
|---|---|---|---|---|---|
| | | Type | Phase | cycles | Voltage |
| * Alessandria | Soc.Ovesticino | A.C. | 3 | 42 | 150 / 260 |
| * Aosta | Soc.Idroelettrica Piemontese | A.C. | 3 | 50 | 150 / 260 |
| * Asti | Soc.Piemontese Centrale | A.C. | 3 | 50 | 127 / 220 |
| * Cuneo | Soc.Piemonte Centrale | A.C. | 3 | 50 | 127 / 220 |
| Casal Monfer. | Soc.Ovesticino | A.C. | 3 | 42 | 127 / 220 |
| Cesena | Soc.Elettrica Romagnola | A.C. | 3 | 50 | 150/260 |
| Legnano | Soc.Lombarda Energ. Elettrica | A.C. | 3 | 50 | 150 / 220 |
| Piacenza | Soc.Elettrica Romagnola | A.C. | 3 | 42 | 127 / 220 |
| Gallarate | Soc.Lombarda Energ. Elettrica | A.C. | 3 | 50 | 150 / 260 |
| Legnago | Soc.Coop.Elet. Legnaghese | A.C. | 3 | 42 | 127 / 220 |
| Saronno | Soc.Lombarda Energ. Elettrica | A.C. | 3 | 50 | 127 / 220 |
| Rimini | Soc.Elettrica Romagnola | A.C. | 3 | 50 | 127 / 220 |
| *Novara | Soc.Dinamo | A.C. | 3 | 42 | 127 / 220 |
| *Torino | S.I.P.-Az.Mun.Torino | A.C. | 3 | 50 | 125 / 220 |
| | Azienda Municipale | A.C. | 3 | 42 | 150 / 150 |
| *Vercelli | Soc.Ovesticino | A.C. | 3 | 42 | 127 / 220 |
| | Soc. Vercellese | A.C. | 3 | 42 | 127 / 220 |
| *Bergamo | Soc. Orobia | A.C. | 3 | 50 | 150 / 260 |
| | S.E.Altavalle Seriana | A.C. | 3 | 50 | 150 / 260 |
| *Brescia | Servizi Municipio | A.C. | 3 | 42 | 127 / 220 |
| | Soc.Elettrica Bresciana | A.C. | 3 | 42 | 127 / 220 |
| *Como | Soc.Idroelettrica Comasina | A.C. | 3 | 50 | 127 / 220 |
| *Cremona | Azienda Municipale | A.C. | 3 | 42 | 220 / 220 |
| | Soc.Elettrica Piacentina | A.C. | 3 | 42 | 127 / 220 |
| | Soc.Elettrica Bresciana | A.C. | 3 | 42 | 127 / 220 |
| *Mantova | Soc.Elettrica Bresciana | A.C. | 3 | 42 | 127 / 220 |
| *Pavia | Soc Pavese | A.C. | 3 | 42 | 127 / 220 |
| | Soc.Pavese | A.C. | 3 | 42 | - / 440 |
| *Sondrio | Az.Municipale Sondrio | A.C. | 3 | 50 | 110 /190 |
| *Varese | Soc. Prealpina | A.C. | 3 | 50 | 110 / 190 |
| [illegible] | [illegible] | A.C. | 3 | 50 | 150 / 260 |

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| | | | | | |
|---|---|---|---|---|---|
| | Romagnola | A.C. | 3 | 50 | 150/260 |
| Legnano | Soc.Lombarda Energ. Elettrica | A.C. | 3 | 50 | 150 / 220 |
| Pesmna | Soc.Elettrica Romagnola | A.C. | 3 | 42 | 127 / 220 |
| Gallarate | Soc.Lombarda Energ. Elettrica | A.C. | 3 | 50 | 150 / 260 |
| Legnago | Soc.Coop.Elet. Legnaghese | A.C. | 3 | 42 | 127 / 220 |
| Saronno | Soc.Lombarda Energ. Elettrica | A.C. | 3 | 50 | 127 / 220 |
| Rimini | Soc.Elettrica Romagnola | A.C. | 3 | 50 | 127 / 220 |
| *Novara | Soc.Dinamo | A.C. | 3 | 42 | 127 / 220 |
| *Torino | S.I.P.-Az.Mun.Torino | A.C. | 3 | 50 | 125 / 220 |
| | Azienda Municipale | A.C. | 3 | 42 | 150 / 150 |
| *Vercelli | Soc.Ovesticino | A.C. | 3 | 42 | 127 / 220 |
| | Soc. Vercellese | A.C. | 3 | 42 | 127 / 220 |
| *Bergamo | Soc. Orobia | A.C. | 3 | 50 | 150 / 280 |
| | E.E.Altavalle Seriana | A.C. | 3 | 50 | 150 / 260 |
| *Brescia | Servizi Municipio | A.C. | 3 | 42 | 127 / 220 |
| | Soc.Elettrica Bresciana | A.C. | 3 | 42 | 127 / 220 |
| *Como | Soc.Idroelettrica Comasina | A.C. | 3 | 50 | 127 / 220 |
| *Cremona | Azienda Municipale | A.C. | 3 | 42 | 220 / 220 |
| | Soc.Elettrica Piacentina | A.C. | 3 | 42 | 127 / 220 |
| | Soc.Elettrica Bresciana | A.C. | 3 | 42 | 127 / 220 |
| *Mantova | Soc.Elettrica Bresciana | A.C. | 3 | 45 | 127 / 220 |
| *Pavia | Soc Esticino | A.C. | 3 | 42 | 127 / 220 |
| | Soc.Esticino | A.C. | 3 | 42 | - / 440 |
| *Sondrio | Az.Municipale Sondrio | A.C. | 3 | 50 | 110 /190 |
| *Varese | Soc. Prealpina | A.C. | 3 | 50 | 110 / 190 |
| *Milano | Soc.Lombarda | A.C. | 3 | 50 | 150 / 260 |
| | Soc.Esticino | A.C. | 3 | 42 | 160 / 160 |
| | Soc.Elettrica Bassa Milanese | A.C. | 3 | 42 | 260 / 160 |
| | Soc.Azienda Municipale | A.C. | 3 | 42 | 160 / 160 |
| | Soc. Edison | A.C. | 3 | 42 | 160 / 160 |
| | Soc. Orobia | A.C. | 3 | 42 | 144 / 250 |
| *Genova | Officine Elettriche Genovesi | A.C. | 3 | 50 | 150 / 260<br>127 /220 |

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| TOWN | NAME OF COMPANY | Caratteristic Type | Phase | cycles | Voltage |
|---|---|---|---|---|---|
| | | D.C. | - | | 110 / 220 |
| *Genova | Officine Elettriche Genovesi | D.C. | - | | 110 |
| | Parodi Pasquale | A.C. | 3 | 50 | 127 / 220 |
| *Imperia | Soc.Valle Impero e Arroscia | A.C. | 3 | 50 | 127 / 220 |
| | Elettr.Elettr.Riviera Ponente | A.C. | 3 | 42 | 202 / 350 |
| *La Spezia | Imprese Elettriche Liguria | A.C. | 3 | 50 | 120 / 120 |
| *Bolzano | Azienda Elett.Consorziale | A.C. | 3 | 50 | 220 / 220 |
| *Trento | Soc.Industriale Trentina | A.C. | 3 | 50 | 110 / 110 |
| | Consorzio Elettrico Cadino | A.C. | 3 | 42 | 127// 220 |
| *Belluno | Soc.Bellunese Ind.Elettriche | A.C. | 3 | 42 | 127 / 220 |
| *Udine | Enrico Nemazzi | A.C. | 3 | 42 | 127 / 220 |
| | Soc.Friulana Elettricita | A.C. | 3 | 42 | 127 / 220 |
| | Soc.Fratelli Boema | A.C. | 3 | 42 | 127 / 220 |
| | Azienda Elettrica Fantini | A.C. | 3 | 42 | 127 / 220 |
| *Padova | Soc.Elettrica Veneto Centrale | A.C. | 3 | 42 | 127 / 220 |
| *Rovigo | Soc.Rugansa di Elettricita | A.C. | 3 | 42 | 127 / 220 |
| *Treviso | Soc.Elettrica Trevigiana | A.C. | 3 | 42 | 127 / 220 |
| *Venezia | Soc.Italiana Forze Idrauliche del Veneto | A.C. | 3 | 42 | 127 / 220<br>220 / 220 |
| *Verona | Azienda Elettrica Comunale | A.C. | 3 | 42 | 127 / 220 |
| | Soc.Elettrica Interprovinciale | A.C. | 3 | 42 | 127 / 220 |
| | Soc.Ind.Ing.De Stefani | A.C. | 3 | 42 | 127 / 220 |
| *Vicenza | Azienda Municipalizzata | A.C. | 3 | 42 | 127 / 220 |
| | Soc.Elettr.Veneto Centrale | A.C. | 3 | 42 | 105 / 210 |
| *Fiume | Azienda Servizi Municipalizz. | A.C. | 3 | | 210 /210 |
| | | A.C. | 3 | 42 | 127 / 220 |
| *Gorizia | Azienda Municipalizzata | A.C. | 3 | 42 | 220 / 380 |
| | Soc.Elettr.Venezia Giulia | A.C. | 3 | 42 | 220 / 380 |
| *Pola | Soc.Esercizi Isole Brioni | D.C. | - | - | 110 |
| | Soc.Esercizi Isole Brioni | A.C. | 3 | 42 | 220 /380 |
| | Soc.Venezia Giulia | | | | |
| *Trieste | Azienda Comunale Servizi Elettricita | A.C. | 3 | 42 | 120 / 210 |
| | Gas Acqua Trieste | A.C. | 3 | 42 | 100 / 100 |
| | Gas-Acqua Trieste | A.C. | 3 | 42 | 107 / 210 |
| | Soc.Veneta Elettricita (S.V.E.E.) | A.C. | 3 | 42 | 127 / 220 |
| *Zara | Azienda Municipale Zara | A.C. | 3 | 50 | 150 / 300<br>127 /220 |
| | | | | | 127 / 220 |
| *Bologna | Soc.Bolognese di Elettricita | A.C. | 3 | 42 | 125 /220 |
| *Ferrara | Soc.Elettrica Padana | A.C. | 3 | 42 | 127 /220 |
| *Forli | Soc.Elettrica Romagnola | A.C. | 3 | 42 | 127 /220 |
| *Modena | Azienda Elettrica Municipalizz. | A.C. | 3 | 42 | 127/ 220 |
| | Soc.Emiliana Energia Elettrica | A.C. | 3 | 42 | 250/250 |
| | Azienda Elettrica Comunale | D.C. | - | - | 127/220 |
| *Parma | Azienda Elettrica Comunale | A.C. | 3 | 42 | 125/250 |
| | Azienda Elettrica Comunale | D.C. | - | - | 127 /220 |
| | Soc.Emiliana Esercizi Elettrici | A.C. | 3 | 42 | 127 /220 |
| *Piacenza | Soc.Elettrica Piacentina | A.C. | 3 | 42 | 127/220 |
| | Soc.Elettrica Romagnola | A.C. | 3 | 42 | |

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| | | | | | |
|---|---|---|---|---|---|
| *Rovigo | Soc.Polesana di Elettricita | A.C. | 3 | 42 | 127 / 220 |
| *Treviso | Soc.Elettrica Trevigiana | A.C. | 3 | 42 | 127 / 220 |
| *Venezia | Soc.Italiana Forze Idrauliche del Veneto | A.C. | 3 | 42 | 127 / 220<br>220 / 220 |
| *Verona | Azienda Elettrica Comunale | A.C. | 3 | 42 | 127 / 220 |
| | Soc.Elettrica Interprovinciale | A.C. | 3 | 42 | 127 / 220 |
| | Soc.Ind.Ing.pe Stefani | A.C. | 3 | 42 | 127 / 220 |
| *Vicenza | Azienda Municipalizzata | A.C. | 3 | 42 | 127 / 220 |
| | Soc.Elettr.Veneto Centrale | A.C. | 3 | 42 | 127 / 220 |
| *Fiume | Azienda Servizi Municipaliza. | A.C. | 3 | 42 | 105 / 210<br>210 /210 |
| *Gorizia | Aziende Municipalizzate | A.C. | 3 | 42 | 127 / 220 |
| | Soc.Elettr.Venezia Giulia | A.C. | 3 | 42 | 220 / 380 |
| *Pola | Soc.Esercizi Isole Brioni | A.C. | 3 | 42 | 220 / 300 |
| | Soc.Esercizi Isole Brioni | D.C. | - | - | 110 |
| | Soc.Venezia Giulia | A.C. | 3 | 42 | 220 /380 |
| *Trieste | Azienda Comunale servizi Elettricita | A.C. | 3 | 42 | 120 / 210 |
| | Gas Acqua Trieste | A.C. | 3 | 42 | 100 / 100 |
| | Gas-Acqua Trieste | A.C. | 3 | 42 | 107 / 220 |
| | Soc.Veneta Elettricita (S.V.E.M.) | A.C. | 3 | 42 | 127 / 220 |
| *Zara | Azienda Municipale Zara | A.C. | 3 | 50 | 150 / 300<br>127 /220 |
| *Bologna | Soc.Bolognese di Elettricita | A.C. | 3 | 42 | 127 / 220 |
| *Ferrara | Soc.Elettrica Padana | A.C. | 3 | 42 | 125 /220 |
| *Forli | Soc.Elettrica Romagnola | A.C. | 3 | 42 | 127 /220 |
| *Modena | Azienda Elettrica Municipale | A.C. | 3 | 42 | 127 /220 |
| | Soc.Emiliana Energia Elettrica | A.C. | 3 | 42 | 127/ 220 |
| *Parma | Azienda Elettrica Comunale | D.C. | - | - | 250/250 |
| | Azienda Elettrica Comunale | A.C. | 3 | 42 | 127/220 |
| | Azienda Elettrica Comunale | D.C. | - | - | 125/250 |
| | Soc.Emiliana Esercizi Elettrici | A.C. | 3 | 42 | 127 /220 |
| *Piacenza | Soc.Elettrica Piacentina | A.C. | 3 | 42 | 127 /220 |
| *Ravenna | Soc.Elettrica Romagnola | A.C. | 3 | 42 | 127/220 |
| *Reggio Emilia | Soc.Emiliana Esercizi Elettr. | A.C. | 3 | 42 | 150 /260 |

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APPENDIX "A"

## Hydro electric power stations in North ITALY

### PART I, N.E. ITALY

| River basin and name of power station. | Province | Capacity installed 1941 | River basin and name of power station. | Province | Capacity installed 1941 |
|---|---|---|---|---|---|
| **DRAVA** | | | **BRENTA** | | |
| Versciaco | Bolzano | 1.825 KW | Carzano | Trento | 6.800 KW |
| Plezzut | Udine | 2.400 | S.Silvestro | " | 16.000 |
| **ISONZO** | | | Molin-Ponte d' Oltra | Belluno | 16.000 |
| | | | Pedesalto | " | 6.600 |
| Doblari | Gorizia | 36.000 | Carpane | Vicenza | 1.479 |
| Plava | " | 15.000 | Campolongo | " | 1.680 |
| Straccis | " | 3.379 | Bassano del Grappa | " | 6.374 |
| Aidussina | " | 2.280 | S.Lazzaro | " | 1.100 |
| Vedronza | Udine | 1.296 | | | |
| **TAGLIAMENTO** | | | **BACCHIGLIONE** | | |
| | | | Cogollo del Cengio-Meda-Dei Soggi | Vicenza | 1.029 |
| Enfrators | Udine | 2.400 | | | |
| Tolmezzo | " | 2.100 | | | |
| Moggio Udinese | " | 1.600 | **ADIGE** | | |
| **LIVENZA** | | | Senales | Bolzano | 12.800 |
| | | | Tel | " | 23.400 |
| Longone | Udine | 1.080 | Marlengo | " | 35.520 |
| Fossa Biuba | Treviso | 5.760 | Lana sup | " | 1.160 |
| Malnisio | Udine | 7.800 | Arco-(Prati) | " | 25.200 |
| Ginis | " | 7.600 | Rio di Pusteria | " | 5.600 |
| Partidor | " | 2.900 | Bressanone | " | 114.686 |
| | | | Ponte Gardena | " | 56.460 |
| **PIAVE** | | | Premesa | " | 8.960 |
| | | | Laion super | " | 3.200 |
| Pelos | Belluno | 51.000 | Cardano | " | 182.970 |
| Ciampato | " | 1.640 | Bolzano | " | 3.200 |
| S.Giovanni | " | 1.550 | Malga Mare | Trento | 12.000 |
| Desedan 1° s | " | 1.050 | Cogolo | " | 34.500 |
| Alpago inf | " | 1.650 | Tuenno 1° s | " | 1.077 |
| Fadalto | Treviso | 86.000 | Mezzocorona | " | 32.000 |
| | | | Rovereto | " | 10.800 |

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| | | | | | |
|---|---|---|---|---|---|
| Doblari | Gorizia | 36.000 | Carpane | Vicenza | 1.[illegible] |
| Plava | " | 15.000 | Campolongo | " | 1.680 |
| Straccis | " | 3.379 | Bassano del Grappa | " | 6.374 |
| Aidussina | " | 2.280 | S.Lazzaro | " | 1.100 |
| Vedronza | Udine | 1.296 | | | |
| | | | BACCHIGLIONE | | |
| TAGLIAMENTO | | | | | |
| | | | Cogollo del Cengio- | | |
| Enfrators | Udine | 2.400 | Meda-Dei Soggi | Vicenza | 1.029 |
| Tolmezzo | " | 2.100 | | | |
| Moggio Udinese | " | 1.600 | ADIGE | | |
| LIVENZA | | | Senales | Bolzano | 12.800 |
| | | | Tel | " | 23.400 |
| Longone | Udine | 1.080 | Marlengo | " | 35.520 |
| Fossa Biuba | Treviso | 5.760 | Lana sup | " | 1.160 |
| Malnisio | Udine | 7.800 | Arco-(Prati) | " | 25.200 |
| Giais | " | 7.600 | Rio di Pusteria | " | 5.600 |
| Partidor | " | 2.900 | Bressanone | " | 114.686 |
| | | | Ponte Gardena | " | 56.460 |
| PIAVE | | | Premesa | " | 8.960 |
| | | | Laion super | " | 3.200 |
| Pelos | Belluno | 51.000 | Cardano | " | 182.970 |
| Ciampato | " | 1.640 | Bolzano | " | 3.200 |
| S.Giovanni | " | 1.550 | Malga Mare | Trento | 12.000 |
| Desedan 1° s | " | 1.050 | Cogolo | " | 34.500 |
| alpago inf | " | 1.650 | Tuenno 1° s | " | 1.077 |
| Fadalto | Treviso | 86.000 | Mezzocorona | " | 32.000 |
| Nove | " | 64.200 | Pozzolago | " | 10.800 |
| S.Floriano | Treviso | 4.400 | Marco-(Mori) | " | 17.200 |
| Castelletto | " | 6.000 | Basso Acquar | Verona | 1.020 |
| Caneva | " | 34.500 | Tombetta | " | 4.800 |
| Cencenighe | Belluno | 21.000 | Cartiera Fedrigoni | " | 1.018 |
| Agordo | " | 22.400 | Sorio 1° s | " | 4.900 |
| Sas-Mus | " | 3.820 | Sorio 2° s | " | 11.200 |
| Val di Lamen | " | 1.200 | | | |
| Molinetto-(Pederob.) | Treviso | 2.450 | REGIONE VENETA | | 1.071.167 |
| Croce del Gallo | " | 2.800 | | | |
| Castelviero- (Nervesa) | " | 9.800 | | | |
| Caerano di S.Marco | " | 1.554 | | | |

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PART II, PO BASIN

| River basin and name of power station. | Province | Capacity installed 1941 |
|---|---|---|
| MINCIO | | |
| C.Toblino-Torre-sella | Trento | 1.350 KW |
| Fies-(Dro) | " | 21.150 |
| Dro | " | 16.875 |
| Riva | " | 58.600 |
| Ponale | " | 1.400 |
| Camerate | Brescia | 1.500 |
| Carde-(Toscolano) | " | 1.456 |
| Volta Mantovana | Mantova | 2.975 |
| OGLIO | | |
| Temu | Brescia | 47.040 |
| Sonico | " | 60.000 |
| Cedegolo (Elettr. Bresciana) | " | 8.320 |
| Paisco | " | 8.320 |
| Forno Allione | " | 7.440 |
| Salarno | " | 5.625 |
| Campellio | " | 8.600 |
| Isola | " | 47.000 |
| Cedegolo (Cisalpina) | " | 34.000 |
| Pallobia-(Ceto) | " | 5.600 |
| Niardo | " | 1.012 |
| Melegno | " | 2.144 |
| La Rocca-(Borno) | " | 3.000 |
| Dezzo di Colere | Bergamo | 3.000 |
| Mazzunno (Con.Idr Dezzo) | Brescia | 6.975 |
| Mazzunno (El.Bresc. e "Ilva" | " | 8.595 |
| Corna-(Darfo) | " | 8.144 |
| Artogne | " | 1.740 |
| Piazza di Sovere | Bergamo | 1.190 |
| Poltragno | " | 1.740 |
| Tinazzo | " | 2.085 |
| Tagliuno | " | 3.360 |
| Brozzo | Brescia | 1.760 |
| Gaver | " | 2.000 |
| Ponte Caffaro | " | 7.045 |
| Vobarno (Bresciana) | " | 29.150 |
| Degnone | " | 1.040 |

| River basin and name of power station | Province | Capacity installed 1941 |
|---|---|---|
| ADDA | | |
| Isolaccia | Sondrio | 38.250 |
| Grossotto | " | 34.240 |
| Roasco inf.-(Grosio) | " | 23.512 |
| Stazzona | " | 35.200 |
| Poschiavino | " | 9.890 |
| Boffetto | " | 9.450 |
| Armisa | " | 9.600 |
| Zappello | " | 9.000 |
| Vedello | " | 27.000 |
| Venina-(Piateda) | " | 55.000 |
| Mallero sup | " | 24.000 |
| Mallero inf | " | 4.800 |
| Sondrio | " | 2.080 |
| Tartano | " | 7.120 |
| Masino | " | 9.455 |
| Morbegno | " | 8.350 |
| Gerola alta | " | 14.250 |
| S.Bernardo | " | 20.200 |
| S.Francesco-(Mese) | " | 140.000 |
| Campo | " | 43.200 |
| Premana | Como | 1.440 |
| Corenno Plinio | " | 12.040 |
| Bellano | " | 2.825 |
| Semenza-(Calusco) | Bergamo | 3.740 |
| Esterle-Robbiate | Milano | 36.800 |
| Bertini-Paderno d'Adda | " | 10.000 |
| Trezzo d'Adda | " | 12.600 |
| Crespi d'Adda | Bergamo | 2.100 |
| Carona | " | 21.300 |
| Bordogna | " | 31.800 |
| Lenna | " | 2.560 |
| S.Pietro d'Orzio | " | 9.910 |
| S.Giovanni Bianco | " | 2.200 |
| Serrati | Bergamo | 1.175 |
| Roncaglia | " | 1.240 |
| S.Pellegrino | " | 2.520 |
| Zogno | " | 5.880 |
| Clanezzo | " | 3.535 |
| Bonate di Sotto | " | 5.040 |
| Marne | " | 4.200 |
| Fara d'Adda-S.Anna | " | 1.600 |

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| | | |
|---|---|---|
| Riva | " | 58.600 |
| Ponale | " | 1.400 |
| Camerate | Brescia | 1.500 |
| Carde-(Toscolano) | " | 1.456 |
| Volta Mantovana | Mantova | 2.975 |

OGLIO

| | | |
|---|---|---|
| Temu | Brescia | 47.040 |
| Sonico | " | 60.000 |
| Cedegolo (Elettr. Bresciana) | " | 8.320 |
| Paisco | " | 8.320 |
| Forno Allione | " | 7.440 |
| Salarno | " | 5.625 |
| Campellio | " | 8.600 |
| Isola | " | 47.000 |
| Cedegolo (Cisalpina) | " | 34.000 |
| Pallobia-(Ceto) | " | 5.600 |
| Niardo | " | 1.012 |
| Malegno | " | 2.144 |
| La Rocca-(Borno) | " | 3.000 |
| Dezzo di Colere | Bergamo | 3.000 |
| Mazzunno (Con.Idr Dezzo) | Brescia | 6.975 |
| Mazzunno (El.Bresc. e "Ilva" | " | 8.595 |
| Corna-(Darfo) | " | 8.144 |
| Artogne | " | 1.740 |
| Piazza di Sovere | Bergamo | 1.190 |
| Poltragno | " | 1.740 |
| Tinazzo | " | 2.085 |
| Tagliuno | " | 3.360 |
| Brozzo | Brescia | 1.760 |
| Gaver | " | 2.000 |
| Ponte Caffaro | " | 7.045 |
| Vobarno (Bresciana) | " | 29.150 |
| Degnone | " | 1.040 |
| Mura | " | 1.120 |
| Vobarno (Acc.e Ferr. Lombarde) | " | 3.460 |
| Roe | " | 1.665 |
| Villanuova sul Clisi | " | 2.082 |
| Prevalle | " | 1.440 |

| | | |
|---|---|---|
| Poschiavino | " | 9.890 |
| Boffetto | " | 9.450 |
| Armisa | " | 9.600 |
| Zappello | " | 9.000 |
| Vedello | " | 27.000 |
| Venina-(Piateda) | " | 55.000 |
| Mallero sup | " | 24.000 |
| Mallero inf | " | 4.800 |
| Sondrio | " | 2.080 |
| Tartano | " | 7.120 |
| Masino | " | 9.455 |
| Morbegno | " | 8.350 |
| Gerola alta | " | 14.250 |
| S.Bernardo | " | 20.200 |
| S.Francesco-(Mese) | " | 140.000 |
| Campo | " | 43.200 |
| Premana | Como | 1.440 |
| Corenno Plinio | " | 12.040 |
| Bellano | " | 2.825 |
| Semenza-(Calusco) | Bergamo | 3.740 |
| Esterle-Robbiate | Milano | 36.800 |
| Bertini-Paderno d'Adda | " | 10.000 |
| Trezzo d'Adda | " | 12.600 |
| Crespi d'Adda | Bergamo | 2.100 |
| Carona | " | 21.300 |
| Bordogna | " | 31.800 |
| Lenna | " | 2.560 |
| S.Pietro d'Orzio | " | 9.910 |
| S.Giovanni Bianco | " | 2.200 |
| Serrati | Bergamo | 1.175 |
| Roncaglia | " | 1.240 |
| S.Pellegrino | " | 2.520 |
| Zogno | " | 5.880 |
| Clanezzo | " | 3.535 |
| Bonate di Sotto | " | 5.040 |
| Marne | " | 4.200 |
| Fara d'Adda-S.Anna | " | 1.600 |
| Cassano d'Adda | Milano | 9.400 |
| Dossi | Bergamo | 30.000 |
| Gandellino | " | 4.200 |
| Aviasco | " | 6.100 |
| Gromo(Az.Crespi e C) | " | 4.100 |
| Gromo(Valle Seriana) | " | 3.750 |

/Valcanale.....



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| River basin and name of power station. | Province | Capacity installed 1941 |
|---|---|---|
| **ADDA (Contd)** | | |
| Valcanale | Bergamo | 3.311KW |
| Albareti | " | 1.560 |
| Ludrigno 1° e 2° s- (Ardesio) | " | 12.080 |
| Nossa | " | 1.160 |
| Costone-(Casnigo) | " | 2.740 |
| Noble-(Gorno) | " | 1.056 |
| Vertova-(Colzate) | " | 1.120 |
| Cene 1ª | " | 1.290 |
| Comenduno (Cotonif. Honegger) | " | 2.735 |
| **TICINO** | | |
| Maccagno | Varese | 4.840 |
| Corrido | Como | 3.820 |
| Creva di Luino | Varese | 12.300 |
| Nivia-Ramello | Novara | 1.960 |
| Ramello | " | 1.644 |
| Cossogno | " | 1.005 |
| Ponte | " | 74.925 |
| Fondovalle | " | 8.250 |
| Feltrinelli-Cadarese | " | 42.000 |
| Crego | Novara | 15.750 |
| Goglio | " | 50.000 |
| Conti-(Verampio) | " | 21.000 |
| Crevola | " | 35.200 |
| Domodossola | " | 10.500 |
| Iselle | " | 6.622 |
| Varzo | " | 24.850 |
| Isorno | " | 13.120 |
| Pontetto | " | 8.116 |
| Campiccioli | " | 6.500 |
| Pirelli-(Rovesca) | " | 30.000 |
| Colombo-(Pallanzeno) | " | 27.000 |
| Villadossola | " | 2.560 |
| Montescheno | " | 1.100 |
| Battigio | " | 17.280 |
| Piedimulera | " | 13.350 |
| Rumianca | " | 2.880 |
| Marno | " | 1.188 |
| Frua-(Germagno) | " | 2.700 |
| S.Giuseppe | " | 1.400 |
| Vizzola | Varese | 32.625 |
| Turbigo sup | Milano | 5.415 |
| Turbigo inf | " | 1.598 |
| Vigevano | Pavia | 5.350 |

| River basin and name of power station. | Province | Capacity installed 1941 |
|---|---|---|
| **SESIA (Contd)** | | |
| Trivero | Vercelli | 4.080 KW |
| Serravalle Sesia | " | 2.230 |
| Giarola | Navara | 1.200 |
| Sagliano Micca | Vercelli | 1.122 |
| **DORA BALTEA** | | |
| Arvie | Aosta | 33.600 |
| Champagne | " | 12.600 |
| Chavonne | " | 23.752 |
| Grand Eyvia | " | 1.440 |
| Aymavilles | " | 8.048 |
| S.Marcello | " | 2.622 |
| Molini-(Chambave) | " | 2.406 |
| Maen | " | 42.750 |
| Valtornenza | " | 1.680 |
| Covalou | " | 46.200 |
| Castiglion Dora | " | 25.500 |
| Monte Giove | " | 13.794 |
| Champ de Praz | " | 2.295 |
| Isollaz | " | 33.000 |
| Castel Verres | " | 17.100 |
| Hone | " | 11.200 |
| Bard | " | 3.150 |
| Gran Vert-(Promotton) | " | 7.650 |
| Gressonei | " | 15.000 |
| Ponte S.Martino (Breda) | " | 30.000 |
| Ponte S.Martino (Cravetto) | " | 3.220 |
| Carema | " | 3.840 |
| Quincinetto | " | 3.520 |
| Tavagnasco | " | 3.900 |
| Dora-(Montestrutto) | " | 1.900 |
| Montalto Dora | " | 3.200 |
| Cima-(Strambino) | " | 1.104 |
| Ponte Preti | " | 6.073 |
| Mazze | " | 1.920 |
| Restituzione | Vercelli | 1.760 |
| Ugliengo-(Santhia) | " | 1.665 |
| Viverone | " | 6.000 |
| **ORCO** | | |
| Rosone | Aosta | 54.400 |
| Bardonetto | " | 10.780 |

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| | | |
|---|---|---|
| Vertova-(Colzate) | " | 1.120 |
| Cene 1ª | " | 1.290 |
| Comenduno (Cotonif. Honegger) | " | 2.735 |

TICINO

| | | |
|---|---|---|
| Maccagno | Varese | 4.840 |
| Corrido | Como | 3.820 |
| Creva di Luino | Varese | 12.300 |
| Nivia-Ramello | Novara | 1.960 |
| Ramello | " | 1.644 |
| Cossogno | " | 1.005 |
| Ponte | " | 74.925 |
| Fondovalle | " | 8.250 |
| Feltrinelli-Cadarese | " | 42.000 |
| Crego | Novara | 15.750 |
| Goglio | " | 50.000 |
| Conti-(Verampio) | " | 21.000 |
| Crevola | " | 35.200 |
| Domodossola | " | 10.500 |
| Iselle | " | 6.622 |
| Varzo | " | 24.850 |
| Isorno | " | 13.120 |
| Pontetto | " | 8.116 |
| Campiccioli | " | 6.500 |
| Pirelli-(Rovesca) | " | 30.000 |
| Colombo-(Pallanzeno) | " | 27.000 |
| Villadossola | " | 2.560 |
| Montescheno | " | 1.100 |
| Battigio | " | 17.280 |
| Piedimulera | " | 13.350 |
| Rumianca | " | 2.880 |
| Marno | " | 1.188 |
| Frua-(Germagno) | " | 2.700 |
| S.Giuseppe | " | 1.400 |
| Vizzola | Varese | 32.625 |
| Turbigo sup | Milano | 5.415 |
| Turbigo inf | " | 1.598 |
| Vigevano | Pavia | 5.350 |
| PO: MINCIO-AGOGNA | | 1.701.550 |

SESIA

| | | |
|---|---|---|
| Fervento | Vercelli | 2.540 |
| Varallo Sesia | " | 1.059 |
| Camberaro-(Quarona) | " | 1.890 |
| S.Secondo | " | 1.574 |

| | | |
|---|---|---|
| Arvie | Aosta | 33.600 |
| Champagne | " | 12.600 |
| Chavonne | " | 23.752 |
| Grand Eyvia | " | 1.440 |
| Aymavilles | " | 8.048 |
| S.Marcello | " | 2.622 |
| Molini-(Chambave) | " | 2.406 |
| Maen | " | 42.750 |
| Valtornenza | " | 1.680 |
| Covalou | " | 46.200 |
| Castiglion Dora | " | 25.500 |
| Monte Giove | " | 13.794 |
| Champ de Praz | " | 2.295 |
| Isollaz | " | 33.000 |
| Castel Verres | " | 17.100 |
| Hone | " | 11.200 |
| Bard | " | 3.150 |
| Gran Vert-(Promotton) | " | 7.650 |
| Gressonei | " | 15.000 |
| Ponte S.Martino (Breda) | " | 30.000 |
| Ponte S.Martino (Cravetto) | " | 3.220 |
| Carema | " | 3.840 |
| Quincinetto | " | 3.520 |
| Tavagnasco | " | 3.900 |
| Dora-(Montestrutto) | " | 1.900 |
| Montalto Dora | " | 3.200 |
| Cima-(Strambino) | " | 1.104 |
| Ponte Preti | " | 6.073 |
| Mazze | " | 1.920 |
| Restituzione | Vercelli | 1.760 |
| Ugliengo-(Santhia) | " | 1.665 |
| Viverone | " | 6.000 |

ORCO

| | | |
|---|---|---|
| Rosone | Aosta | 54.400 |
| Bardonetto | " | 10.780 |
| Sparone | " | 1.875 |
| Frailino | " | 1.680 |
| Rive | " | 1.080 |
| Cuorgne sup | " | 1.093 |



Declassified E.O. 12356 Section 3.3/NND No. 785019

| River basin and name of power station. | Province | Capacity installed 1941 |
|---|---|---|
| **STURA** | | |
| Pian Soletti-(Cere) | Torino | 1.650 KW |
| Chiampernotto - (Cere) | " | 1.650 |
| Rusia-(Cere) | " | 1.650 |
| Dietro la Torre | " | 3.200 |
| Pian Sule | " | 5.850 |
| Crotti-(Usseglio) | " | 16.000 |
| Gaiera-(Lemie) | " | 18.000 |
| Fucine | " | 8.000 |
| Viu | " | 3.500 |
| Funghera | " | 8.320 |
| Germagnano | " | 2.940 |
| **DORA RIPARIA** | | |
| Bardonecchia | Torino | 21.880 |
| Chiomonte | " | 18.960 |
| Susa | " | 10.500 |
| Gran Scala | " | 7.000 |
| Venalzio | " | 48.000 |
| Mompantero | " | 6.750 |
| Colmosso | " | 2.000 |
| Condove | " | 1.040 |
| Alpignano | " | 2.790 |
| **PELLICE** | | |
| Pomaretto | Torino | 1.080 |
| Inverso-(Pinasca) | " | 2.550 |
| Villar Perosa | " | 1.210 |
| Porte | " | 1.360 |
| **PO** | | |
| Calcinere | Cuneo | 24.000 |
| **VARAITA** | | |
| Casteldelfino | Cuneo | 38.000 KW |
| Sampeyre | " | 35.200 |
| Frassino | " | 3.000 |
| Venasca (P.C.E.) | " | 1.960 |
| Venasca (Monviso) | " | 1.587 |
| **MAIRA** | | |
| Saretto-(Acceglio) | Cuneo | 18.900 |
| Ponte Marmora | " | 9.800 |
| S.Damiano | " | 13.750 |
| Dronero | " | 9.840 |
| **TANARO** | | |
| Le Molline 2° s | Cuneo | 3.465 |
| Crava 1° s | " | 1.040 |
| Breolungi | " | 2.400 |
| Carru | " | 1.125 |
| Isorella-(Gherasco) | " | 1.430 |
| Roccasparvera | " | 2.110 |
| S.Giacomo | " | 2.000 |
| Alba | " | 1.560 |
| Cairo Montenotte | Savona | 8.500 |
| Valla-(Spigno Monf.) | Alessandria | 9.345 |
| Molare | " | 5.600 |
| Lavagnina | " | 2.070 |
| PO: SESIA-TANARO | | 841.054 |

Declassified E.O. 12356 Section 3.3/NND No. 785019

| River basin and name of power station. | Province | Capacity installed 1941 | River basin and name of power station. | Province | Capacity installed 1941 |
|---|---|---|---|---|---|
| TIDONE | | | ENZA | | |
| Molato | Piacenza | 3.000 KW | Rigoso | Parma | 2.400 KW |
| Poggiobianco - Pianello | " | 2.400 | Rimagna | " | 1.430 |
| | | | Isola di Palanzano | " | 8.600 |
| TREBBIA | | | Selvanizza | " | 5.026 |
| | | | SECCHIA | | |
| Ruffinati-Salsominore | " | 15.000 | Predare | Reggio E. | 42.000 |
| Carchelli | Genova | 1.540 | Ligonchio N. 1 | " | 2.720 |
| Boreca | Piacenza | 3.280 | Ligonchio N. 2 | " | 14.000 |
| | | | Muschioso | Modena | 7.000 |
| TARO | | | Farneta | " | 33.600 |
| Strinabecco | Parma | 1.400 | PANARO | | |
| Belli | " | 4.500 | | | |
| | | | Strettara | " | 4.550 |
| PARMA | | | S.Michele | " | 2.825 |
| Bosco di Corniglio | " | 2.800 | PO: SCRIVIA-PANARO | | 163.201 |
| Marra di Corniglio | " | 5.130 | | | |
| | | | BACINO DEL PO | | 2.705.805 |

## PART III - RENO and SAVIO BASINS

| | | | | | |
|---|---|---|---|---|---|
| RENO | | | SAVIO | | |
| Pavana | Pistoia | 11.900 KW | Quarto | Forli | 3.780 KW |
| Suviana | Bologna | 41.835 | | | |
| S.Maria | " | 5.355 | RENO and SAVIO BASINS | | 72.870 |
| Le Piane | " | 10.000 | | | |

## PART IV - LIGURIA AND TUSCANY

| | | | | | |
|---|---|---|---|---|---|
| ROIA | | | MAGRA (Contd) | | |
| Le Mesce | Cuneo | 2.660 KW | Arlia-(Fivizzano | Apuania | 3.500 KW |
| S.Dalmazzo | " | 39.000 | Vizza | La Spezia | 5.400 |
| Confine | " | 10.800 | | | |
| Airole | Imperia | 11.400 | LIGURIA | | 136.110 |
| Bevera | " | 5.000 | | | |
| | | | SERCHIO | | |

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| | | | | | |
|---|---|---|---|---|---|
| Salsominore | " | 15.000 | Predare | Reggio E. | 42.000 |
| Carchelli | Genova | 1.540 | Ligonchio N. 1 | " | 2.720 |
| Boreca | Piacenza | 3.280 | Ligonchio N. 2 | " | 14.000 |
| | | | Muschioso | Modena | 7.000 |
| TARO | | | Farneta | " | 33.600 |
| Strinabecco | Parma | 1.400 | PANARO | | |
| Belli | " | 4.500 | | | |
| | | | Strettara | " | 4.550 |
| PARMA | | | S.Michele | " | 2.825 |
| Bosco di Corniglio | " | 2.800 | PO: SCRIVIA-PANARO | | 163.201 |
| Marra di Corniglio | " | 5.130 | | | |
| | | | BACINO DEL PO | | 2.705.805 |

## PART III - RENO and SAVIO BASINS

| | | | | | |
|---|---|---|---|---|---|
| RENO | | | SAVIO | | |
| Pavana | Pistoia | 11.900 KW | Quarto | Forli | 3.780 KW |
| Suviana | Bologna | 41.835 | | | |
| S.Maria | " | 5.355 | | | |
| Le Piane | " | 10.000 | RENO And SAVIO BASINS | | 72.870 |

## PART IV - LIGURIA AND TUSCANY

| | | | | | |
|---|---|---|---|---|---|
| ROIA | | | MAGRA (Contd) | | |
| Le Mesce | Cuneo | 2.660 KW | Arlia-(Fivizzano | Apuania | 3.500 KW |
| S.Dalmazzo | " | 39.000 | Vizza | La Spezia | 5.400 |
| Confine | " | 10.800 | | | |
| Airole | Imperia | 11.400 | LIGURIA | | 136.110 |
| Bevera | " | 5.000 | | | |
| PO (Tanaro) | | | SERCHIO | | |
| Isoverde-(Campo-morone) | Genova | 7.900 | Sillano | Lucca | 1.080 |
| | | | Corfino-Pontecosi | " | 4.800 |
| ENTELLA | | | Castelnuovo-Garfagnana | " | 7.200 |
| | | | Gallicano | " | 19.600 |
| Lago | " | 1.030 | Porrino 3° s | Pistoia | 4.260 |
| Caroso | " | 6.600 | Sperando | " | 12.160 |
| S.Michele | " | 8.270 | Anghiari | " | 1.318 |
| Barconasca sup | " | 1.150 | Giardinetto (Casabasciana) | Lucca | 6.000 |
| MAGRA | | | TOSCANA | | 56.418 |
| Rocchetta | Apuania | 3.400 | | | |
| Teglia | " | 30.000 | | | |

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APPENDIX "B"

Thermal electric power stations in North ITALY

| Province | Power station | Installed Capacity 1941 |
|---|---|---|
| Aosta | Aosta | 11.600 KW |
| Cuneo | Verzuolo | 5.000 |
| Novara | Novara (Volta) | 15.500 |
| " | Novara (Wild e C) | 1.500 |
| " | Gozzano | 1.500 |
| Torino | Avigliana | 1.400 |
| " | Martinetto | 17.000 |
| " | Michelin | 4.780 |
| " | Torino (E.A.I) | 8.000 |
| Vercelli | Borgosesia | 1.300 |
| " | Miagliano | 1.200 |
| " | Serravalle Sesia | 1.400 |
| PIEMONTE | | 70.180 |
| Bergamo | Daste | 3.900 |
| Brescia | Brescia (Elett. Bresc.) | 9.600 |
| Como | Como | 1.200 |
| Mantova | Sermide | 1.600 |
| Milano | Corsico | 1.080 |
| " | Cusano Milanino | 5.800 |
| " | Legnano (Cantoni) | 10.000 |
| " | Legnano (Bernocchi) | 2.300 |
| " | Milano (A.E.M.) | 30.000 |
| " | Milano (Volta) | 18.000 |
| " | Sesto S.Giovanni | 4.000 |
| " | Turbigo | 29.000 |
| Varese | Castellanza | 22.000 |
| LOMBARDIA | | 138.480 |
| Fiume | Fiume | 8.500 KW |
| Gorizia | Piedimonte del Calvario | 1.500 |
| Rovigo | Cavanella Po | 1.700 |
| " | Bottrighe | 3.000 |
| " | Polesella | 1.350 |
| Trieste | Chiarbola | 2.000 |
| " | Monfalcone | 4.000 |
| " | Ilvania | 4.000 |
| Venezia | Mestre | 57.000 |
| " | Cavarzere | 2.000 |
| Verona | Basso Acquar | 1.400 |
| Vicenza | Valdagno (Lanif. Marzotto) | 2.500 |
| " | Cartiera di Lugo | 1.100 |
| " | Maglio | 1.300 |
| " | Rocchette | 2.500 |
| Zara | Zara | 1.800 |
| VENEZIE | | 95.650 |
| Genova | Cencenter | 53.000 |
| " | Sampierdarena (Eridania) | 1.600 |
| " | Sampierdarena (O.E.G.) | 17.000 |
| Imperia | Taggia | 1.500 |
| Savona | Savona (C.I.E.L.I.) | 17.000 |
| " | Savona (Ilva) | 1.500 |
| " | S.Giuseppe di Cairo | 40.000 |
| Spezia | Spezia (C.I.E.L.I.) | 11.000 |
| LIGURIA | | 142.600 |
| Bologna | Battiferro | 3.000 |
| Ferrara | Argenta | 3.366 |

Declassified E.O. 12356 Section 3.3/NND No. 785019

| | | |
|---|---|---|
| " | Gozzano | 1.500 |
| Torino | Avigliana | 1.400 |
| " | Martinetto | 17.000 |
| " | Michelin | 4.780 |
| " | Torino (E.A.1) | 8.000 |
| Vercelli | Borgosesia | 1.300 |
| " | Miagliano | 1.200 |
| " | Serravalle Sesia | 1.400 |
| PIEMONTE | | 70.180 |

| | | |
|---|---|---|
| Bergamo | Daste | 3.900 |
| Brescia | Brescia (Elett. Bresc.) | 9.600 |
| Como | Como | 1.200 |
| Mantova | Sermide | 1.600 |
| Milano | Corsico | 1.080 |
| " | Cusano Milanino | 5.800 |
| " | Legnano (Cantoni) | 10.000 |
| " | Legnano (Bernocchi) | 2.300 |
| " | Milano (A.E.M.) | 30.000 |
| " | Milano (Volta) | 18.000 |
| " | Sesto S.Giovanni | 4.000 |
| " | Turbigo | 29.000 |
| Varese | Castellanza | 22.000 |
| LOMBARDIA | | 138.480 |

| | | |
|---|---|---|
| " | Botarighe | 3.000 |
| " | Polesella | 1.350 |
| Trieste | Chiarbola | 2.000 |
| " | Monfalcone | 4.000 |
| " | Ilvania | 4.000 |
| Venezia | Mestre | 57.000 |
| " | Cavarzere | 2.000 |
| Verona | Basso Acquar | 1.400 |
| Vicenza | Valdagno (Lanif. Marzotto) | 2.500 |
| " | Cartiera di Lugo | 1.100 |
| " | Maglio | 1.300 |
| " | Rocchette | 2.500 |
| Zara | Zara | 1.800 |
| VENEZIE | | 95.650 |

| | | |
|---|---|---|
| Genova | Cencenter | 53.000 |
| " | Sampierdarena (Eridania) | 1.600 |
| " | Sampierdarena (O.E.G.) | 17.000 |
| Imperia | Taggia | 1.500 |
| Savona | Savona (C.I.E.L.I.) | 17.000 |
| " | Savona (Ilva) | 1.500 |
| " | S.Giuseppe di Cairo | 40.000 |
| Spezia | Spezia (C.I.E.L.I.) | 11.000 |
| LIGURIA | | 142.600 |

| | | |
|---|---|---|
| Bologna | Battiferro | 3.600 |
| Ferrara | Argenta | 3.060 |
| Ferrara | Jolanda di Savoia | 2.700 |
| " | Pontelagoscuro | 1.200 |
| " | S.Biagio | 1.350 |
| Modena | Modena | 2.250 |
| Piacenza | Piacenza | 24.000 |
| Ravenna | Ravenna | 1.500 |
| " | Mezzano | 1.650 |
| EMILIA | | 41.410 |

7

Declassified E.O. 12356 Section 3.3/NND No. 785019

Declassified E.O. 12356 Section 3.3/NND No. 785019

SUBJECT:- Electric Power

RESTRICTED

H.Q. A.A.I. (Adv)

2531/6/RE

30 Aug 44

CG FIFTH Army (for Engr) (2)
CE EIGHTH Army (2)
CE 1 District
CE 2 District
CE 3 District
CG PBS (for Engr) (2)

- 2 SEP 1944

1. Reference map of the Italian electric power system sent under cover of our 2531/6/RE of 16 May 44.

2. Pending revision of the above map by the Central Electric Board, the revised list of power stations given at Appendices "A" and "B" to this letter may be of use.

D.C. Bailey

Major RE
for Maj-Gen
Chief Engineer

Copy to: Central Electric Board (2)
DW

Encl:
DCB/RFD

7433

CONFIDENTIAL

SUBJECT:- Electric Power stations.

Headquarters,
A.A.I. (Adv).

2531/6/RE

25 Aug 44.

CG, FIFTH Army (For Engr.)
CE, EIGHTH Army
Central Electric Board.

The following statement by a refugee is of interest :-

"42/122888 An electric power station was still under construction (Feb 44) at the foot of the high ground north of HONE. The canal which brings the water for the turbines was begun in 1940 by a Hydraulic Co in VERRES (0994).

29/077001 The R.DORA BALTEA was tapped at ~~this~~ this point

The canal was built to follow the line of the valley to MERAN (29/0799), VIERME (29/0797), CHAMP di PRAZ (29/0797), ISSOGNE (42/0893), UPPER CALLO (42/1098) and then to the water jet
42/122888 at HONE, approx 250m NW of the cemetery at ~~the~~ map ref opposite

The canal which has in places been cut into the rock and lined with cement is 7m deep and 7m wide. Work was being carried out on several sectors at once and was scheduled to be finished by 1945.

The water was to be canalised Eastwards back to the R.DORA BALTEA after having passed through the power stn."

D.C. Bailey

Major, RE,
for Major General,
Chief Engineer.

Copy to: DW

7432

Declassified E.O. 12356 Section 3.3/NND No. 785019

Declassified E.O. 12356 Section 3.3/NND No. 785019

A.A.I. CENTRAL ELECTRICAL BOARD.

SUBJECT:- Italian Electric Power System

CEB/9/I.

22August 44

To:- Chief Engineer H.Q. A.A.I.

1. Reference your 2531/6/RE dated 14 Aug 44.

2. The diagram you refer to is in the process of revision and it is expected that a copy can be dispatched to you in a day or so.

Major RE
A.A.I. Central Electrical Board.

Declassified E.O. 12356 Section 3.3/NND No. 785019

4 Orlandi

SUBJECT:- Italian Electric Power System.

CONFIDENTIAL

H.Q. A.A.I. (Adv)

2531/6/RE

14 Aug 44

Central Electric Board.

1. Reference our 2531/6/RE of 29 Jun 44.

2. May we be informed whether revisions have now been made to the diagram sent under cover of our 2531/6/RE of 13 May 44. Drafting and printing of this revised diagram can be undertaken by us.

D.I. Bailey 7430

Major RE
for Maj-Gen
Chief Engineer

Capt Mancinelli
478962.

Declassified E.O. 12356 Section 3.3/NND No. 785019

A.A.I.
CENTRAL ELECTRICAL BOARD
HQ AAI CMF

REF: CEB/9/1

19 July 1944

SUBJECT:- Electricity Supply - ITALY

TO:- 11 CE Works, EIGHTH Army.

1. Receipt of your CE 1506/80 dated 3 July 44, together with attachments, is acknowledged with thanks.

JAMES P. CROWDON,
COLONEL CE,
Vice Chairman, AAI - C.E.B.

7429

Subject: Electric Power Supply - ITALY

11 CE Works
EIGHTH ARMY
CE 1506/50
18 July 1944

D.K., A.A.I.
Copy to: CE Main EIGHTH Army
C.E.B., A.A.I., A.P.O. 400

1. For advance information only.

2. The Thermal Station at BASTARDO NR 1.822732 which had an installed capacity of 19,200 KVA driven by 6 gas engines, operating on 12 No. Gas producers, has been subject to demolitions.

3. The damage is very briefly as follows -
(a) 6 No. Gas Engines damaged c/cinder heads.
(b) 3 No. 5,600 KVA alternators, each having damaged rotors and stators.
(c) 12 No. Gas Producers O.K.
(d) Electrostatic precipitator generators missing but motors intact.
(e) All transformers destroyed.

4. Fuel required to run station to capacity is reported to be 300 Tons daily.

5. The Thermal Station at PIETRAFITTA NR A.925805 which had an installed capacity of 21,000 KVA has been subject to demolitions.

6. The damage is briefly as follows -
(a) 3 No. Turbine alternators completely demolished. Turbine alternators were 6,500 KVA capacity.
(b) 6 No. Babcock & Wilcox Boilers, grate fed, are not badly damaged.
(c) All transformers removed.
(d) Control room wrecked.
(e) 10 KV circuit breaker repairable.

7. Adjacent to the power station is a quarry type of lignite mine capable of producing up to 5,000 tons per day when it was working to full capacity. It has 6 No. electrically driven excavators of the 10 Cu Yds class and 13 No. Decauville Locomotives. To enable the quarry to operate it will requireda minimum of 200 KW at 260 V, 50 cycles. The lignite is reported to be capable of producing 4,000 calories.

8. The PERUGIA - FOLIGNO areas have a limited supply from several small power stations in the area. The capacity at the moment if approximately 2,000 KVA. The previous requirement for this area was approximately 7,500 KVA but as most factories - Chocolate & Tobacco - are shut down it is felt that this area is at the present self-supporting.

9. The 120 and 60 KV lines from [illegible] and [illegible] to BIVIO CR via CUNEO

Declassified E.O. 12356 Section 3.3/NND No. 785019

subject to demolitions.

3. The damage is very briefly as follows -
   (a) 6 No. Gas Engines damaged cylinder heads.
   (b) 3 No. 6,600 KVA alternators, each having damaged rotors and stators.
   (c) 12 No. Gas Producers O.K.
   (d) Electrostatic precipitator generators missing but motors intact.
   (e) All transformers destroyed.

4. Fuel required to run station to capacity is reported to be 300 Tons daily.

5. The Thermal Station at PIETRAFITTA MR A.025805 which had an installed capacity of 24,000 KVA has been subject to demolitions.

6. The damage is briefly as follows -
   (a) 3 No. Turbine alternators completely demolished. Turbine alternators were 6,500 KVA capacity.
   (b) 6 No. Babcock & Wilcox Boilers, grate fed, are not badly damaged.
   (c) All transformers removed.
   (d) Control room wrecked.
   (e) 10 KV circuit breaker repairable.

7. Adjecent to the power station is a quarry type of lignite mine capable of producing up to 3,000 tons per day when it was working to full capacity. It has 6 No. electrically driven excavators of the 19 Ton class and 13 No. Decauville Locomotives. To enable the quarry to operate it will requireda minimum of 200 KW at 260 V, 50 cycles. The lignite is reported to be capable of producing 4,000 calories.

8. The PERUGIA - FOLIGNO zones have a limited supply from several small power stations in the area. The capacity at the moment is approximately 2,000 KVA. The previous requirement for this area was approximately 7,500 KVA but as most factories - Chocolate & Tobacco - are shut down it is felt that this area is at the moment self-supporting.

9. The 120 and 60 KV lines from TERNI and NERA MONTORO to FOLIGNO via CHIUSI are in the process of being checked for damage.

10. Detailed reports will be forwarded as soon as completed in respect of paras 2, 5, 7, 8 & 9.

7429

Col.
11 CE Works.

AWP/rka

Declassified E.O. 12356 Section 3.3/NND No. 785019

Declassified E.O. 12356 Section 3.3/NND No. 785019

25 Jul 44

SUBJECT:- Electrical Supply.

Directorate of Works,
H.Q., A.A.I., C.M.F.

2109/DW

To:- A.A.I. Contrel Electrical Board,
H.Q., A.A.I., C.M.F.

15 Jul 44.

Herewith copy of report of a recce carried out by E & M Staff Officer, 1 District, forwarded for information.

D. Marshall

D. MARSHALL,
Capt., R.E.
for Brigadier,
Director of Works.

O.K. J.K.G.

Declassified E.O. 12356 Section 3.3/NND No. 785019

SUBJECT:- Electrical Intelligence.

Directorate of Works.
H.Q. A.A.I. C.M.F.,

2108/DW

9 July 1944.

AAI Central Electrical Bd.
H.Q. A.A.I. C.M.F.

Herewith copy of signal received from H.Q. A.A.I. Adv, forwarded as requested.

W.A.R. SMITH
Lt.Col., R.E.
for Brigadier,
Director of Works.

WARS/bca

Declassified E.O. 12356 Section 3.3/NND No. 785019

COPY

FROM HQ AAI (ADV)

TO CE 1 DISTRICT - CE 2 DISTRICT
CE 3 DISTRICT - ENGR PBS - ENGR CITY ADM SECTION.

ROME
INFO DW

QQX GR 87

RST 36 RESTRICTED (.)
FOLLOWING SIGNAL SENT TO 5th ARMY AND CENTRAL ELECTRIC BOARD (.) PART ONE (.) VULCI DAM (.) POWER HOUSE (.) AND CANAL INTACT THREE GENERATORS 1750 KW 1 THOUSAND 1750 KW (.) VOLTAGE 30 THOU (.) FEEDS MONTALTO DI CASTRO AND MANCIANO (.) LINES REPORTED INTACT (.) POWER HOUSE LOCATED A0525 (.) PART TWO (.) SAN SAVINO (.) FIORITELLA (.) TRAFONZO (.) ALL NEAR TUSCANCIA A2525 REPORTED INTACT (.) SAN FICRA STATION AT 0272 REPORTED DESTROYED (.) DW PASS TO CENTRAL ELECTRIC BOARD

THI 1508

7128

Declassified E.O. 12356 Section 3.3/NND No. 785019

ARMY FORM C2136 (Small)

# MESSAGE FORM

Register No.

| Call | Srl. No. | Priority | Transmission Instructions |
|---|---|---|---|
| MEDT VLRAR | 970 | OP | A. A. I. OFFICIAL |

ABOVE THIS LINE FOR SIGNALS USE ONLY

CENTRAL DATA STAMP — CENTRAL ELECTRICAL BOARD — SIGNALS

| FROM (A) | Originator | Date-Time of Origin |
|---|---|---|
| | DW MAIN HQ AAI | 27 1710 |

For Action

TO VICE CHAIRMAN, CENTRAL ELECTRICAL BOARD APO 400 c/o ACC NAPLES

(W) For Information (INFO)

Message Instructions: QQX — GR: —

Originator's No. DW/A/13

RESTRICTED (.) PART ONE (.) VULCI DAM (.) POWER HOUSE MAP REF A 0525 (.) AND CANAL INTACT (.) THREE GENERATORS 1750 KW 1000 KW 1750 KW (.) VOLTAGE 30000 (.) FEEDS MONTALTO DI CASTRO AND MANCIANO (.) LINES REPORTED INTACT (.) PART TWO (.) SAN SAVINO (.) FIORITELLA (.) TRAONZO (.) ALL NEAR TUSCANIA MAP REF A 2525 REPORTED INTACT (.) SAN FIORA STATION AT MAP REF A 0272 REPORTED DESTROYED

2108 DW

THIS MESSAGE MAY BE SENT AS WRITTEN BY ANY MEANS { EXCEPT } WIRELESS

SIGNED D. Haskell Capt RE

IF LIABLE TO BE INTERCEPTED OR TO FALL INTO ENEMY HANDS, THIS MESSAGE MUST BE SENT IN CIPHER

SIGNED

ORIGINATOR'S INSTRUCTIONS DEGREE OF PRIORITY

Important

| Time | System | Op. |
|---|---|---|
| THL or TOR 1406 | | |
| Time cleared | | |

(OVER)

Wt. 932, 194. 2,000,000 Pads. 5/41. B. & S. Ltd. 51-676/6.

Declassified E.O. 12356 Section 3.3/NND No. 785019

SUBJECT:- Electric Pow Stations

CONFIDENTIAL

H.Q. A.A.I. (Adv)

2531/6/RE

Jul 44

CG FIFTH Army (for Engineer)
CE EIGHTH Army
CE 5 Corps
CE 1 District
CE 2 District
CE 3 District
Engineer PBS
Engineer ROME Area

A.A.I. OFFICIAL
13/7 CENTRAL ELECTRICAL BOARD

Herewith details of electric power stations captured intact since 11 May.

7424

Major RE
for Maj-Gen
Chief Engineer

Copy to: Central Electric Board √

Declassified E.O. 12356 Section 3.3/NND No. 785019

SUBJECT:- Electric Power Stations

CONFIDENTIAL

H.Q., A.A.I. (Adv)
2531/6/RE/1
6 Jul 44

AMHQ (Attention CE)

Herewith details of electric power stations captured intact since 11 May.

D C Bailey

Major RE
for Maj-Gen
Chief Engineer
for General
Commander in Chief

Encl: as above.

Copy to: Central Electric Board

DCB/RFD

C.E. 1 District.

The hydro-electric power station under construction at SAN SIACOMA Map Ref B.6640 has been inspected and it was found that it had not been destroyed. The installation was intended to consist of three generating sets each rated at 60,000 K.V.A. Work was started in 1938 and the station was intended to be in operation by the end of 1943 but owing to war difficulties it is still only about 80% complete.

The present state of the work is as follows:-

Underground power and control rooms completed.

Two kilometre approach tunnel completed.

Outfall works completed.

Headrace tunnel (675 metres vertical drop) excavated completely but only lined for approx 200 metres from the lower end. The engineer states that the remainder of the pipes for lining were available except for two sections, but they were not seen and owing to language difficulty there may have been a misunderstanding. The pipes were supplied from BRESCIA., VI ACCIAIERIE TOGNI. The ~~pipes~~ sections are of 2½ metres diam, 3¼ to 4 metres long and weigh 4 to 5 ton each.

Reservoir 90% complete, can be finished in three months.

Vertical 2,000 ft shaft for conductors has been excavated but not lined.

Machinery There are three groups each consisting of a single alternator rated at 60,000 K.V.A. at 12,500 Volts driven by two Pelton type turbines at a speed of 350 R.P.M.

No 1 Set has one Brown-Boveri alternator and one turbine completely installed, apparently the other turbine had not been delivered but it is capable of running with an output of 30,000 to 40,000 Kilowatts.

No 2 Set has the two turbines installed but the alternator is incomplete in that the stator is there but the windings have not been delivered by the makers, who are the C.G.E. of MILANO, it is thought that they were ready for despatch last September. The oil pressure system for the bearings is also incomplete.

No 3 set is incomplete and is not yet erected.

There are also two auxiliary sets of 625 KW at 500 Volts erected for station use.

Switchgear. The control chamber is ready and a large number of cases are there which the engineer stated contained all the instruments? the busbar and machine connection of aluminium were seen, but the engineer stated that the conductor for the vertical rise (700 yds) and its insulator supports had not arrived.

Transformers Two 60,000 K.V.A. transformers are on site, and it appears that the idea is to generate at 12,500 Volts and transmit at that voltage to the transformers which are sited on top of the hill and then transform up to 150,000 Volts, which at a later date is being increased up to 320,000 Volts?

Declassified E.O. 12356 Section 3.3/NND No. 785019

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Overhead lines The main line is to TERNI and the work is half completed but the route has not been inspected.

Conclusion If the Terno group who own the station were stimulated and some assistance given it should be possible to produce 30,000/40,000 kilowatts in from 4 to 6 months time and a further 60,000 kilowatts when conductors for No2 alternator are obtained.

Early requirements for a restart are :-

(a) A electricity supply of approx. 250 KW at 230 Volts
(b) Four hundred tons of cement
(c) Restoration of road communication which will necessitate a bridge (approx 120ft) at Montana al VOMANO.
(d) A supply of skilled labour and arrangements for feeding them.

6 July 44

W. Swett
S.O.II (E&I)

Declassified E.O. 12356 Section 3.3/NND No. 785019

Declassified E.O. 12356 Section 3.3/NND No. 785019

Subject: Electric Power - ITALY

O.C. Works
EIGHTH ARMY
CS 1506/83
1 July 1944

C.E., A.A.I.
D.E., A.A.I.
C.E., Main 5th Army,
C.E.B., A.A.I., A.P.O. 400
M.O., A.C.C. (Mobile Works Sec) A.P.O. 394

Herewith a copy of Dwg. No. 11 CE/256 showing Electric Power supply, distribution and power stations in the area round TERNI, PESCARA and RIETI. This Dwg constitutes a continuation to Dwgs. Nos 11 CE/56, 11 CE/62, 11 CE/75 and deals with the S.M.E., ILVA, U.N.I.S., A.F.S. and VALDARO interconnections.

A. A. I.
OFFICIAL

CENTRAL
ELECTRICAL BOARD

Lt Col.
11 CE Works.
EIGHTH ARMY.

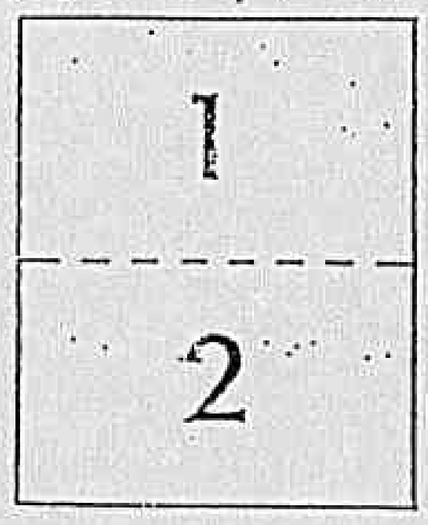
AHP/rkm

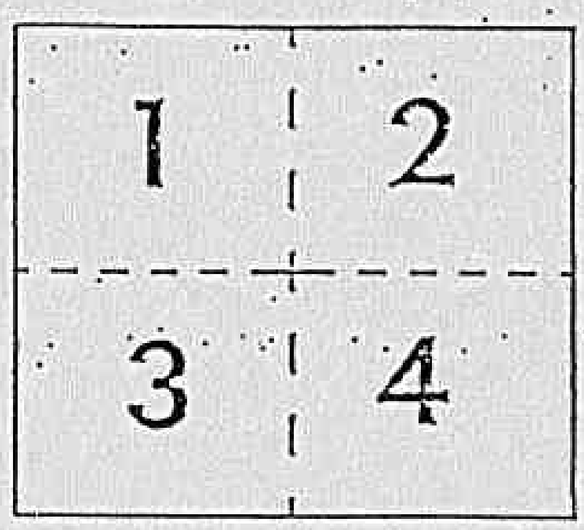
7422

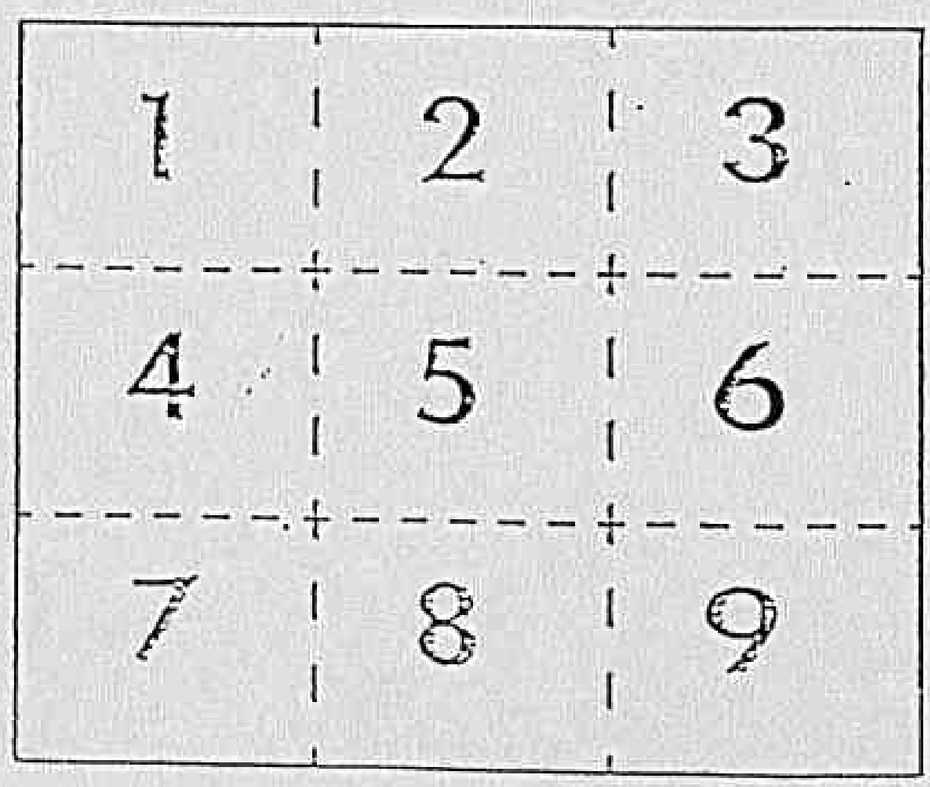
Declassified E.O. 12356 Section 3.3/NND No. 785019

MAPS AND CHARTS TOO LARGE TO FILM
ON ONE EXPOSURE ARE FILMED CLOCKWISE
BEGINNING IN THE UPPER LEFT CORNER,
LEFT TO RIGHT, AND TOP TO BOTTOM.

SEE DIAGRAMS BELOW.



Declassified E.O. 12356 Section 3.3/NND No. 759011

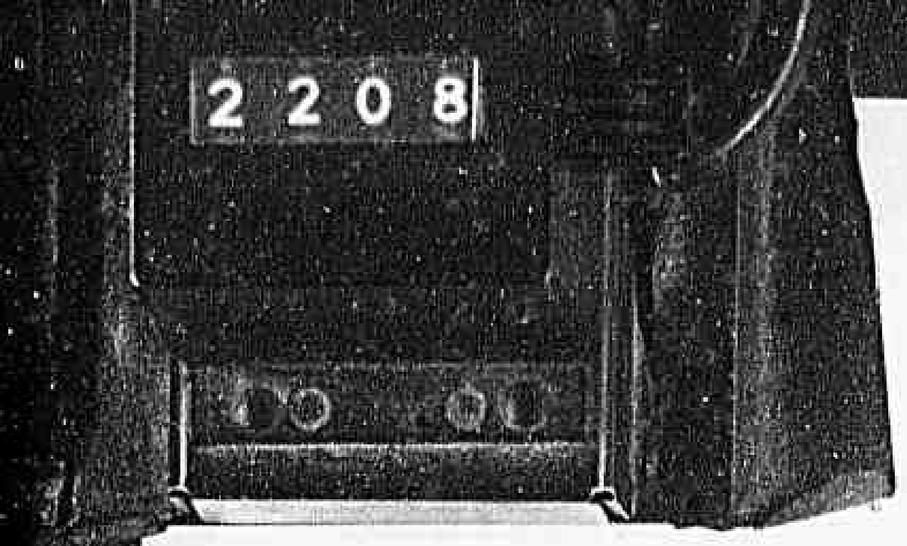
# ROME · TERNI · PESCARA AREA

KEY SCALE 1:500.000

OVERHEAD LINE 150 KV.
" " 120 KV.
" " 60 KV.
" " 30 KV.
" " 20 KV.
" " 15 KV.
" " 10 KV.
" " 9 KV.

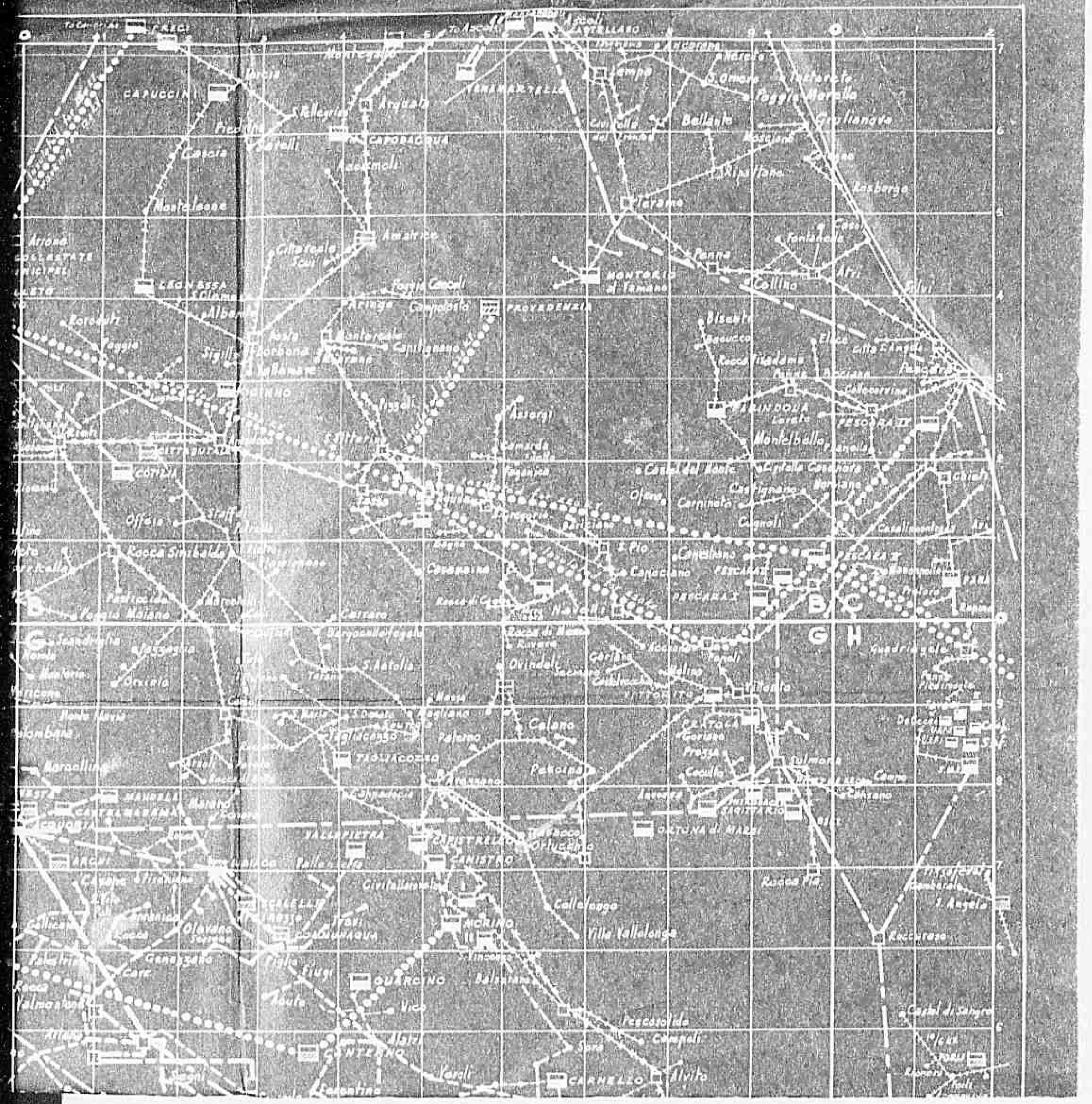
OVERHEAD LINE 6 KV.
" " 6 KV.
HYDRO-ELECTRIC STAT. (CONDITION UNKNOWN)
HYDRO-ELECTRIC POWER STATION (in good order)
" " " (out of action)
" " " (separable)
THERMAL POWER STATION
SUB STATION.

Declassified E.O. 12356 Section 3.3/NND No. [illegible]



2209

Declassified E.O. 12356 Section 3.3/NND No. 775010


CAPUCCINI
CAPODACQUA
MONTORIO al Vomano
TORANO
TERAMO
CASTELNUOVO
CASTELBARONIA
VALLEPIETRA
CAPESTRANO
CANISTRO
CARNELLO
QUERCINO
CENTRANO
TIONACCOSTA
ARSITA
PROVIDENZA
CASTILENTI
CASTELLI
PENNA
ATRI
PESCARA
MONTEBELLO
CASTELLAMMARE
OLTONA di MARSI
Montesanto
Montalbano
Bellante
Mosciano
Giulianova
Basberga
Fontanella
Collino
Silvi
Elice
Pianella
Loreto
Poggio
Offida
Ripatransone
Colonnella
Controguerra
Notaresco
Roseto
Tortoreto
Alba Adriatica
Martinsicuro
Civitella del Tronto
Ancarano
Cellino
Penne
Farindola
Montebello
Spoltore
Cepagatti
Moscufo
Elice
Città S. Angelo
Rocca Pia
Castel di Sangro
Roccaraso
Villa Vallelonga
Calvano
Palena
Pescosolido
Sora
Avezzano
Celano
Paterno
Ovindoli
Rocca di Mezzo
Rocca di Cambio
Barisciano
Fagnano
Assergi
Isola del Gran Sasso
Tossicia
Basciano
Cortino
Arsita
Penna
Loreto
Sigillo
Fabriano
Matelica
Camerino
Visso
Norcia
Cascia
Leonessa
Amatrice
Montereale
Cagnano
Campotosto
Arrigo
Accumoli
Arquata
Acquasanta
Ascoli
Force
Montemonaco
Comunanza
Amandola
Montefortino
Montefalcone
Monteleone
Arrone
Polino
Labro
Leonessa
Albano
Borbona
Rocca Sinibalda
Fara Sabina
Castelnuovo
Poggio Mirteto
Vacone
Varco Sabino
Rieti
Cittaducale
Antrodoco
Posta
Borgo Velino
Micigliano
Petrella Salto
Morro Reatino
Cittareale
Leonessa
Montasola
Configni
Torri in Sabina
Stimigliano
Orte
Gallese
Civita Castellana
Nepi
Sutri
Ronciglione
Capranica
Vetralla
Viterbo
Bagnaia
Soriano nel Cimino
Vasanello
Graffignano
Canepina
Vallerano
Vignanello
Gallese
Corchiano
Fabrica di Roma
Castel Sant'Elia
Nepi
Monterosi
Sutri
Ronciglione
Capranica
Vetralla
Viterbo
Bagnaia
Soriano nel Cimino
Vasanello
Graffignano
Canepina
Vallerano
Vignanello

Declassified E.O. 12356 Section 3.3/NND No. 775710

# ROME · TERNI · PESCARA AREA

## CENTRAL ITALY · ELECTRIC GRID SYSTE

SCALE 1:500.000

KEY

- OVERHEAD LINE 150 KV.
- " " 120 KV.
- " " 60 KV.
- " " 30 KV.
- " " 20 KV.
- " " 18 KV.
- " " 15 KV.
- " " 10 KV.
- " " 9 KV.
- " " 8 KV.
- OVERHEAD LINE 4 KV.
- " " 5 KV.
- HYDROELECTRIC STAT (CONDITION UNKNOWN).
- 220 KV. ELECTRIC POWER STATION (in good order)
- " " " (out of action)
- " " " (repairable)
- THERMAL POWER STATION
- SUB STATION.

CIVITAVECCHIA

C. Linaro

C. Arcese

Torre Flavia

E A

K F

1 2 3 4 5 6 7 8 9 0 1 2 3

Declassified E.O. 12356 Section 3.3/NND No. VA 0 0 9 _



Declassified E.O. 12356 Section 3.3/NND No. 760119


2212
Gaeta
Minturno
Formia
Itri
Fondi
Terracina
Sperlonga
Gaeta
Spigolizzo
S. Andrea
Orlandi
Garigliano
Castelforte
Minturno
Maranola
Trivio
Calano
Pelano
Pescina
Traetto
Spigno
Marcellina
Vallemaio
Vallelonga
Villa Vallelonga
Roccarenza
Ausonia
Esperia
Pastena
Coreno
Ausonio
Vallemaio
Pesco Sordo
Campanile
Sorgo
Carnello
Alvito
Fontecupa
Fontana Liri
Arpino
Cerro
Ponte Fiume
Vallerotonda
Cassino
Monte Cassino
Sant'Elia
Pignataro
Aquino
Piedimonte
Rocca d'Arce
Arce
Isoletta
Fontana Liri
Sora
Roccasecca
Colle Melone
Pontecorvo
Aquino
Castrocielo
Ceprano
Pofi
Ceccano
Frosinone
Ferentino
Supino
Morolo
Alatri
Veroli
Giuliano
Boville
Colleferro
Segni
Paliano
Anagni
Genazzano
Olevano
Cave
Palestrina
Zagarolo
Labico
Valmontone
Colonna
Rocca Priora
Rocca Pia
Monte Compatri
Frascati
Grottaferrata
Marino
Castel Gandolfo
Albano
Genzano
Ariccia
Lanuvio
Velletri
Cisterna
Cori
Norma
Sermoneta
Sezze
Priverno
Roccagorga
Maenza
Prossedi
Sonnino
Terracina
Fossanova
Sabaudia
Pontinia
Latina
Cisterna
Nettuno
Anzio
Aprilia
Cori
Velletri
Lariano
Artena
Valmontone
Palestrina
Cave
Genazzano
Olevano
Subiaco
Tivoli
Guidonia
Monterotondo
Mentana
Fonte Nuova
Palombara
Marcellina
Tivoli
Vicovaro
Mandela
Castel Madama
Roviano
Arsoli
Riofreddo
Vicovaro
Mandela
Castel Madama
Roviano
Arsoli
Riofreddo
Tagliacozzo
Avezzano
Celano
Aielli
Cerchio
Collarmele
Ortona dei Marsi
Pescina
Trasacco
Luco dei Marsi
Capistrello
Canistro
Civitella Roveto
Balsorano
Sante Marie
Cappadocia
Rocca di Mezzo
Rocca di Cambio
Barisciano
Fagnano Alto
Ocre
Poggio Picenze
Onna
Paganica
Tempera
Bazzano
Monticchio
Fossa
Sant'Eusanio Forconese
Villa Sant'Angelo
Scoppito
Arischia
Pizzoli
Cagnano Amiterno
Montereale
Capitignano
Campotosto
Amatrice
Accumoli
Posta
Borbona
Antrodoco
Micigliano
Cittaducale
Rieti
Leonessa
Cascia
Norcia
Preci
Castelsantangelo sul Nera
Visso
Ussita
Monte Cavallo
Foce
Montemonaco
Montefortino
Amandola
Sarnano
Force
Ripatransone
Acquasanta Terme
Arquata del Tronto
Montegallo
Montemonaco
Montefortino
Amandola
Sarnano
Force
Ripatransone
Acquasanta Terme
Arquata del Tronto
Montegallo
Ascoli Piceno
Offida
Castel di Lama
Folignano
Monteprandone
Spinetoli
Colli del Tronto
Rotella
Montedinove
Montalto delle Marche
Comunanza
Amandola
Montefortino

Declassified E.O. 12356 Section 3.3/NND No. 785019

Subject. Route Plan - 60 KV Line from Cerrano to Rome.

R

25 JUL 1944

11 C E Works.
Eighth Army.

CE 1506/66

30 June 44.

C E B (AAI)
A P O 400

Herewith one copy of the s/m route plan for inf and retention.

/ar.

Lt Col.
11 C E Works.
Eighth Army.

7419

Declassified E.O. 12356 Section 3.3/NND No. 785019

POWER STATIONS CAPTURED INTACT SINCE OPENING OF OFFENSIVE.

| Name of Plant. | Water Head m. | River or Basin. | Utility Coy or Group | Total installed Thousands K.V.A. | No. of Units | Max. KW output in average conditions | Average production millions |
|---|---|---|---|---|---|---|---|
| SAN PAOLO (Rom.) | | | Romana | 30,000 | 3 | 15,000 | |
| MONTEMARTINI (Rome) | | | Az.El.Gov. | 24,500 | 5 | 24,500 | |
| NERA MONTORO (Nr Narni) | 23 | Nera | Soc.Valdano | 19,000 | 5 | 12,000 | |
| COMUNE ACQUA (Nr Subiaco) | 110 | Aniene | Romana | 11,000 | 2 | 3,500 | |
| SCALELLE (Nr Subiaco) | 98 | Aniene | Romana | 10,000 | 2 | 3,500 | |
| ARCI (Nr Tivoli) | 20 | Aniene | Romana | 10,400 | 2 | 2,250 | |
| VESTA (Nr Tivoli) | 52 | Aniene | | 3,200 | 2 | 2,400 | |
| SAN SAVINO (Nr Tuscania 136/2526) | | Marta | | | | ) | |
| FIORITELLA ( " ) | | " | | | | ) | |
| TREPONZO ( " ) | | " | | | | ) 3,000 | |
| VULCI (A 0525) | | Fiora | | 4,500 | 3 | ) | |
| FEDASO (125/8690) | | Aso | Unes | 6,000 | 2 | 2,000 * | |

Declassified E.O. 12356 Section 3.3/NND No. 785019

974

POWER STATIONS CAPTURED INTACT SINCE OPENING OF OFFENSIVE.

| River or Basin. | Utility Coy or Group | Total installed Thousands K.V.A. | No. of Units | Max. KW output in average conditions | Average yearly production millions K.W. hr. | Transformer Ratio KV | Frequency | Remarks |
|---|---|---|---|---|---|---|---|---|
| | Romana | 30,000 | 3 | 15,000 | | 8.4/60 | 45 | Steam. |
| | Az.El.Gov. | 24,500 | 5 | 24,500 | | 8.5/60 | 45 | 14500KW Steam<br>10000KW Diesel |
| Nera | Soc.Valdano | 19,000 | 5 | 12,000 | | | 45 | (Frequency<br>(Changers<br>(available to<br>(provide 50V. |
| Aniene | Romana | 11,000 | 2 | 3,500 | | | | |
| Aniene | Romana | 10,000 | 2 | 3,500 | | | | |
| Aniene | Romana | 10,400 | 2 | 2,250 | | | 45 | |
| Aniene | | 3,200 | 2 | 2,400 | | | | |
| Marta | | | | 3,000 | | | | |
| " | | | | | | | | |
| " | | | | | | | | |
| Fiora | | 4,500 | 3 | | | | | |
| Aso | Unes | 6,000 | 2 | 2,000 * | | | 50 | * Firm Tech report awaited. |

Declassified E.O. 12356 Section 3.3/NND No. 785019

SECRET

H.Q., A.A.I. (Adv)

2531/6/RE

29 Jun 44.

SUBJECT:- Electric Supply in ITALY

Central Electric Board

1. The diagram of the Italian electric power system, sent under cover of our 2531/6/RE of 13 May, can now be revised in the light of information gained in ROME. It is suggested that you undertake this work, sending to this headquarters a revised copy of the diagram, for reproduction and distribution.

2. In particular, plans of the following stations are required by this headquarters, for operational reasons :-

SUVIANA
NOVE
FADALTA
CANEVA.

Will ask Capt Marcenaller

De Bailey Major for
Maj-Gen
Chief Engineer

Copy to: D.W.

A. A. I.
OFFICIAL
5/7/44
CENTRAL
ELECTRICAL BOARD

Declassified E.O. 12356 Section 3.3/NND No. 785019

RESTRICTED

Headquarters,
A. A. I. (Adv)

2531/6/RE

29 Jun 44.

SUBJECT:- Electric supply.

~~DW for~~ Central Electric Board.

Herewith captured documents regarding electric supply in Italy.

DeBailey

Major, RE,
for Major General,
Chief Engineer.

7141

Declassified E.O. 12356 Section 3.3/NND No. 785019

SUBJECT: Progress & Intelligence Reports.

Directorate of Works,
H.Q. A.A.I. C.M.F.,

2057/DW.

27 June,44.

To : Vice Chairman, C.E.B.

Herewith enclosed Progress Report on the 150 K.V. Transmission Line FOGGIA - PESCARA and Intelligence Report on sub-stations at CHIUSI and TAVARNUZZE (FLORENCE).

D. MARSHALL,
Captain, R.E.,
for Brigadier,
Director of Works.

DM/caj.

A.A.I.
OFFICIAL

CENTRAL
ELECTRICAL BOARD

7415

Declassified E.O. 12356 Section 3.3/NND No. 785019

SUBJECT:- Weekly Progress Report - 150 K.V. Transmission Line Foggia - Pescara.

14 CE Works,
No. 2 District.
Tel. No. 11422.
Ref: CE/113/6/8.
21 June 44.

DW,
HQ AAI. (2).

Ref your 2057/DDW dated 18 Apr 44.

Herewith report in duplicate on situation as on 20 June 44 :-

(a) Biferno - Sangro

SME Coy have checked over the repaired line & completed the the connection point at San Salvo between the 150 K.V. line of the UNES Coy's 30 K.V. line.
On the 20th June 44 the 150 K.V. line was energised at 30 K.V. up to the Sangro section point.

(b) Sangro - Pescara.

Work in hand by 540 E & M Coy RE on the provision of one line from the two damaged lines.
Recce of the two damaged lines up to Pescara is being made and it is hoped that the SME personnel at Pescara will help by starting repairs from the Pescara end.

W.G. Bennett
Major RE
For Brigadier,
Chief Engineer.

WCB/SFH.

Copy to:- 21 CRE Works.
File CE/113/6/7.

714

RESTRICTED

RESTRICTED

G-2 (Advanced Intelligence) A.F.H.Q.
C/O ROME AREA COMMAND
APO 794, U.S. Army

HQ A...F

ACCB/gg

16 June, 1944.

INTELLIGENCE REPORT C-16

Electric Power Stations in TUSCANY

SOURCE: Italian Engineer.

CHIUSI

There are three distributing sub-stations about 100 metres before reaching the railway station on the line from ROME. These sub-stations receive their power from the Societa TERNI's Power Stations at PAPIGNO and GALLETO.

1. THE STATE RAILWAY SUB-STATION for transforming and conversion, has an estimated power of 20000 KW.

2. SOC. VALDARNO TRANSFORMER SUB-STATION receives power from TERNI and supplies the CHIUSI-TAVARNUZZI cable (see below).

3. SOC. TERNI SUB-STATION. Transforming and re-distribution.

TAVARNUZZE (FLORENCE).

This is the main power receiving and distributing centre for FLORENCE and TUSCANY, owned by the VALDARNO ELECTRICITY CO. (Soc. Valdarno di Elettricita'), and is a junction for a power line from CHIUSI and also a line from the ADAMELLO.
Power is about 40000 KW.

N.B. The above installations are of essential importance as they supply electric power to the whole of TUSCANY.

for R.J.C. CAVE,
M... G.S.,
Commanding.

DISTRIBUTION:

A.F.H.Q., G-2 (5 copies)

7413

Declassified E.O. 12356 Section 3.3/NND No. 785019

16 June, 1944.

INTELLIGENCE REPORT C-16

Electric Power Stations in TUSCANY

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Power is about 40000 KW.

N.B. The above installations are of essential importance as they supply electric power to the whole of TUSCANY.

for R.J.C. CAVE,
Major, G.S.,
Commanding.

Capt Glyn-Roberts 88

7413

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Declassified E.O. 12356 Section 3.3/NND No. 785019

SUBJECT:- Italian Electric Power System.

RESTRICTED

Headquarters
A. A. I.

2531/6/RE

13 May 44.

Central Electric Board.

1. Reference concersation Growdon - Bailey.

2. Herewith 4 copies of a diagram showing the layout of Italian Electric Power Stations and grid lines, together with explanatory report.

3. Our 2530/RE of 24 March is hereby cancelled.

D. Bailey

Major RE,
for Maj-Gen,
Chief Engineer.

Copy to: D.W.
War Diary (2)

A. A. I.
OFFICIAL
9/1 17/5
CENTRAL
ELECTRICAL BOARD

Declassified E.O. 12356 Section 3.3/NND No. 785019

SECRET
Headquarters
A. A. I.
2531/6/RE/1
28 April 44

SUBJECT:- Italian Electric Power System.

Central Electric Board.

1. Reference your CEB/9/1 of 25 April '44.

2. Herewith four copies, as requested, of a diagram showing the Italian Electric Power System.

3. Amendments to the diagram have been received and revised prints will be forwarded shortly.

D.C. Bailey

Major RE,
for Major General,
Chief Engineer.

7 Enc.

Declassified E.O. 12356 Section 3.3/NND No. 785019

A.A.I. REF: CEB/9/1
CENTRAL ELECTRICAL BOARD
APO 400 25 April 44.

SUBJECT: Italian Electric Power System

TO: CE HQ AAI CMF

1. Ref your 2530/RE dated 26 March 44.

2. Will you please forward a further four copies of the drawing which you received from Italian Military Intelligence sources showing generating plants and power grid network of ITALY.

JAMES P. GROWDON,
COLONEL CE,
Vice Chairman, AAI - C.E.B.

Declassified E.O. 12356 Section 3.3/NND No. 785019

A.A.I.
CENTRAL ELECTRICAL BOARD
APO 400

REF: CEB/9/1

19 April 1944

SUBJECT:- Italian Electric Power System.

TO:- CE HQ AAI. (Attention of Major D.C. BAILEY RE)

1. Ref your 2530/RE dated 14 April 1944.

2. Herewith copy of diagram showing the layout of the Italian Electric power system together with legend as requested.

3. Regarding para 3 of your letter, the small figures alongside the lines indicate voltage, number and diameter of lines, eg.

120 3x100 - 120 V. 3 wires 100 sq mm ~~diam.~~ area

but it must not be assumed that this data is correct.

JAMES P. CROWDON,
COLONEL CE,
Vice Chairman, AAI - C.E.B.

7409

Declassified E.O. 12356 Section 3.3/NND No. 785019

RESTRICTED

Headquarters
A. A. I.

2530/RE

14 April '44

SUBJECT:- Italian Electric Power System

Central Electric Board

1. Reference our 2530/RE of 26 Mar 44 enclosing copies of a diagram showing the layout of the Italian electric power system.

2. May a copy of the diagram please be returned, marked up to show.

(a) Stations in operation, in partial operation, and not in operation, in Allied occupied territory.

(b) Any amendments to the diagram which you think necessary. (The diagram does not in all cases agree with the M.I. 10 publication on Italian electric supply.)

3. It is assumed that the small figures alongside grid lines in the diagram refer to the number and diameter of lines. May this be confirmed.

Figures = Voltage + conductor sizes.
i.e. 150 = voltage
120 3×160 = 120V 3 wires @ ...
160 sq m.m. sectional area

D Bowles
Major, RE,
for Brigadier,
Chief Engineer.

Copy to:- DW, HQ AAI (Adm Ech)

7408

Declassified E.O. 12356 Section 3.3/NND No. 785019

SUBJECT:- Demolition of AVENTINO Power Station.

Headquarters
A. A. I.
2530/RE
11 Apr '44

Central Electric Board.

The following is a translation of a letter dated 11 March received by CRE 69 Airfield Construction Group from Signor Rusciano, the U.N.E.S. Manager at Lanciano:-

"Yesterday at Lama di Paligno we have obtained information concerning the state of the Power Station at AVENTINO.

Machinery and buildings were completely destroyed and also a part of the hydraulic installation.

The personnel have been evacuated and employed on another S.M.E. station on the River Pescara.

We shall be obliged if you will communicate the above report to the S.M.E. Manager at NAPLES via IMBRIANI or Head Officer S.G.P.E., BARI."

D C Bailey

Major RE,
for Brigadier,
Chief Engineer.

Declassified E.O. 12356 Section 3.3/NND No. 785019

SUBJECT: Power Station at
TARANTA DI PALIGNA

9/1

Directorate of Works
HQ AAI (Adm Ech)
CMF.

A.A.I. Central
Electrical Board ✓
C.E. A.A.I.

2052/DDW
7 Apr 44

Herewith copy of letter CE/113/4 dated 5 Apr 44 received from C.E. No. 2 District.

W.A.R. SMITH
Lt Col RE
for Brigadier
DDW

WARS/EEGR.

ENCL.

7406

ALLIED FORCE HEADQUARTERS,
G-2 (ADVANCED INTELLIGENCE),
c/o Peninsular Base Section,
NAPLES.

FJR/eme.

6th April 1944.

INTELLIGENCE REPORT No. D-38.

ELECTRICITY SUPPLY - ITALY.

Source : Documents and Italian Electrical Engineers.

Attached is a map of the electricity lay-out of ITALY, with a relative key.

This report supersedes all previous information supplied by ITALIAN Intelligence sources . It represents the position as it was approximately at the time of the Armistice.

R.J.C. CAVE,
Major, G.S.,
Commanding.

DISTRIBUTION :

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| M.E.W., London. | 1 | " |
| Economic Warfare Section, American Embassy, LONDON. | 1 | " |
| H.Q., No. 3 District. | 1 | " |
| Allied Control Commission Information Division. | 1 | " |

743

Declassified E.O. 12356 Section 3.3/NND No. 785019

ELECTRICITY SUPPLY - ITALY.

Source : Documents and Italian Electrical Engineers.

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This report supersedes all previous information supplied by ITALIAN Intelligence sources . It represents the position as it was approximately at the time of the Armistice.

R.J.C. CAVE,
Major, G.S.,
Commanding.

DISTRIBUTION :

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7403

Declassified E.O. 12356 Section 3.3/NND No. 785019

Declassified E.O. 12356 Section 3.3/NND No. 785019

## LIST OF MAIN HYDRO-PLANTS IN ITALY WITH MORE THAN 5.000 KVX INS

| No. | Name of Plant. | Water Head. m. | River or Basin. | Utility Co. or Group. | Total Installed Thousands KVA. | No. of Units | Max KW output in average conditions. | Average yearly production. Millions Kw-Hr. | Transformers Ratio KV. | Frequency cycles |
|---|---|---|---|---|---|---|---|---|---|---|
| a | b | c | d | e | f | g | h | i | l | m |
| | ALPINE HYDRO-ELECTRIC DEVELOPMENT. | | | | | | | | | |
| 1 | S.DALMAZZO | 683 | Roia | Edison | 50* | 5 | 35.000 | | 5,25/60<br>60/135 | 50-16,7<br>50 |
| | | | | | 15 | 3 | 8.000 | | 5,25/60 | 50 |
| 2 | CONFINE. | 115 | " | " | 10 | 3 | 7.000 | | 2,7/ | 50 |
| 3 | AIROLE. | 110 | " | " | 5 | 2 | 5.000 | | 6/ | 50 |
| 4 | BEVERA | 53 | | | | | | | | |
| | | | | | 25 | 3 | 17.000 | | 6/60 | 16,7 |
| 5 | ACCEGLIO. | 368 | Maira. | " | 18 | 3 | 15.000 | | 6,1/60 | 50 |
| 6 | S.DAMIANO. | 205 | " | " | 13* | 3 | 10.000 | | 6/ | 50-16, |
| 7 | P.MARMORA. | 192 | | | | | | | | |
| | | | | | 12 | 3 | 10.000 | | 6/ | 50 |
| 8 | DRONERO. | 82 | " | " | | | | | | |
| | | | | | 35 | 2 | | 55 | 10/130 | 42-50 |
| 9 | CASTELDELFINO | 303 | Varaita. | " | 44 | 2 | | 70 | 10/130 | 42-50 |
| 10 | SAMPLYRE. | 330 | " | " | 45 | 2 | | 95 | 10/130 | 42-50 |
| 11 | BROSSA SCO. | 303 | | | | | | | | |
| | | | | | 30 | 3 | 22.000 | | 6/60 | 50 |
| 12 | CALCINERE. | 546 | PO | S.I.P.(Soc. Idr.Piem.) | 28.000 HP | | | | | |
| | | | " | " | | | | | | |
| 13 | CLAENA. | | | | | | | | | |
| | | | | | 28 | 8* | 17.000 | 60 | 4-7/45 | 50-16 |
| 14 | BARDONECCHIA | 647 | Dora Riparia. | FF.SS. | | | | | | |
| | | | | | 20 | 5 | 16.000 | | 8/45 | 50 |
| 15 | CHIOMONTE. | 325 | " " | Az.El.Con. Torino. | | | | | 8/45 | 50 |
| | | | | | 14 | 2 | 10.000 | | 3/70 | 50 |
| 16 | SUSA. | 128 | " " | " | 10 | 4 | 8.000 | | | |
| 17 | GRAN SCALA. | 189 | Conischia | S.I.P. | | | | | | |

Declassified E.O. 12356 Section 3.3/NND No. 785019

## LIST OF MAIN HYDRO-PLANTS IN ITALY WITH MORE THAN 5.000 KVX INSTALLED.

| River or Basin. | Utility Co. or Group. | Total Installed Thousands KVA. | No. of Units | Max KW output in average conditions. | Average yearly production. Millions Kw-Hr. | Transformers Ratio KV. | Frequency cycles | Remarks. |
|---|---|---|---|---|---|---|---|---|
| d | e | f | g | h | i | l | m | n |
| VELOPMENT. | | | | | | | | |
| Roia | Edison | 50* | 5 | 35.000 | | 5,25/60 60/135 | 50-16,7 50 | *3x10 MVA-50 + 2x10 MVA-16,7 |
| " | " | 15 | 3 | 8.000 | | 5,25/60 | 50 | |
| " | " | 10 | 3 | 7.000 | | 2,7/ | 50 | |
| " | " | 5 | 2 | 5.000 | | 6/ | 50 | |
| Maira. | " | 25 | 3 | 17.000 | | 6/60 | 16,7 | |
| " | " | 18 | 3 | 15.000 | | 6,1/60 | 50 | |
| " | " | 13* | 3 | 10.000 | | 6/ | 50-16,7 | *1x2 MVA-50 + 2x5,5 MVA-16,7 |
| " | " | 12 | 3 | 10.000 | | 6/ | 50 | |
| Varaita. | " | 35 | 2 | | 55 | 10/130 | 42-50 | |
| " | " | 44 | 2 | | 70 | 10/130 | 42-50 | |
| " | " | 45 | 2 | | 95 | 10/130 | 42-50 | |
| PO | S.I.P.(Soc. Idr.Piem.) | 30 | 3 | 22.000 | | 6/60 | 50 | |
| " | " | 28.000 HP* | | | | | | *Was being built Dec.1941. |
| Dora Riparia. | FF.SS. | 28 | 8* | 17.000 | 60 | 4-7/45 | 50-16,7 | *1x5,5 MW + 1x6,6 MW-50/16,7. 3x2,2 MVA-16,7 + 3x2 MVA 50 |
| " " | Az.El.Con. Torino. | 20 | 5 | 16.000 | | 8/45 | 50 | |
| " " | " | 14 | 2 | 10.000 | | 8/45 | 50 | |
| Conischia | S.I.P. | 10 | 4 | 8.000 | | 3/70 | 50 | |



U.S. SECRET
Equals British SECRET

Declassified E.O. 12356 Section 3.3/NND No. 785019

| a | b | c | d | e | f | g | h | i | l |
|---|---|---|---|---|---|---|---|---|---|
| 43 | VIVERONE. | 148 | Dora Baltea | S.I.P. | 7 | 2 | 5.000 | | 5,5/70 |
| 44 | PONTE PRETI. | 130 | " " | Edison | 7 | 2 | 5.000 | | 8/ |
| 42bis | T.MAGGIORE. | 10 | " " | Soc.Costr.Idr | 6 | 2 | | | 10/ |
| 45 | PONTE | 888 | Toce. | Edison | 100 | 3 | | 121 | 8/130 |
| 46 | FONDOVALLE. | 78 | " | " | 10 | 1 | | 21 | 8/55 |
| 47 | CADARESE | 468 | " | " | 56 | 2 | | 167 | 9/160 |
| 48 | CREGO. | 190 | " | " | 21 | 3 | | 68 | 8/65 |
| 49 | GOGLIO. | 522 | " | " | 40 | 2* | | 79 | 7,5/55 |
| 50 | VERAMPIO. | 572 | " | " | 28 | 4 | | 107 | 7,6/56 |
| 51 | CREVOLA. | 204 | " | " | 47 | 2 | | 155 | 7,6/130 |
| 52 | ISELLE | 171 | Diver ia- Toce. | " | 9 | 3 | 6.000 | | 6,5/60 |
| 53 | VARZO. | 457 | " " | " | 33 | 7* | 22.000 | | 3,3/43 |
| 54 | ISORNO. | 478 | Isorno-" | " | 18 | 4 | 8.000 | | 3,3/48 |
| 55 | PONTETTO. | 301 | " " | " | 10 | 4 | 8.000 | 51 * | 3,6/55 |
| 56 | DOMODOSSOLA. | | " Toce | " | 35 | 2 | | 110 | 6,5/60 |
| 57 | MEGOLO. | | Toce | Rumianca S.A. | 9 | 2 | | | |
| 58 | CAMPLICCIOLI | 968 | Antrona-Toce. | Edison. | 7 | 1 | 6.000 | | 8,5/ |
| 59 | ROVESCA | 702 | " " | " | 39 | 4 | 32.000 | | 8/130 |
| 60 | PALLANZENO. | 548 | " " | " | 36 | 3 | 28.000 | | 8,6/130 |
| 61 | BATTIGGIO | 221 | Anza- " | Montecatini S.A. | 21 | 3 | 16.000 | | 9/ |
| 62 | PIEDIMULERA. | 173 | " " | Edison. | 13 | 5 | 6.000 | | 8/45 |
| 63 | CREVA di LUINO | 26 | Tresa-Ticino | " | 12 | 2 | 7.000 | | 7/ |
| 64 | VIZZOLA. | 27 | Ticino. | " | 43 | 3 | | 213 | 12/ |
| 65 | TORNAVENTO. | 7 | " | " | 10 | 1 | 7.000 | 60 | |
| 66 | TURBIGO. | 8 | " | S.I.P. | 7 | 5 | 5.000 | | 11/ * |
| 67 | VIGEVANO. | 18 | " | Edison | 7 | 5 | 5.000 | | 2,5/23-25/49 |
| 68 | S.BERNARDO. | 1014 - | Adro-Adda. | " | 22 | 2 | 20.000 | | 7,6/ |
| 69 | MESE. | 769 | " " | " | 156 * | 5 | 110.000 | | 8/135 |

Declassified E.O. 12356 Section 3.3/NND No. 785019

| c | d | e | f | g | h | i | l | m | n |
|---|---|---|---|---|---|---|---|---|---|
| 248 | Dora Baltea | S.I.P. | 7 | 2 | 5.000 | | 5,5/70 | 50 | |
| 230 | " " | Edison | 7 | 2 | 5.000 | | 8/ | 42-50 | |
| 210 | " " | Soc.Costr.Idr | 6 | 2 | | | 10/ | 50 | |
| 388 | Toce. | Edison | 100 | 3 | | 121 | 8/130 | 42-50 | |
| 273 | " | " | 10 | 1 | | 21 | 8/55 | 42 | |
| 268 | " | " | 56 | 2 | | 167 | 9/160 | 42 | |
| 290 | " | " | 21 | 3 | | 88 | 8/65 | 42 | |
| 322 | " | " | 40 | 2* | | 79 | 7,5/55 | 42-50 | *+ 5x4 MVA-42 (old plant) |
| 272 | " | " | 28 | 4 | | 107 | 7,6/56<br>7,6/130 | 42 | |
| 204 | " | " | 47 | 2 | | 155 | 6,5/60 | 42 | |
| 271 | Diver in-Toce. | " | 9 | 3 | 6.000 | | 3,3/43 | 42 | |
| 257 | " " | " | 33 | 7* | 22.000 | | 3,3/48 | 42-16,7 | *5x3,5 + 1x12,5 MVA-42<br>1x2,8 MVA-16,7 |
| 278 | Isorno-" | " | 18 | 4 | 8.000 | | 3,6/55 | 42 | |
| 301 | " " | " | 10 | 4 | 8.000 | 51 * | 6,5/60 | 42 | * |
| | " Toce | " | 35 | 2 | | 110 | | 42-50 | |
| | Toce | Rumianca S.A. | 9 | 2 | | | | 42 | |
| 968 | Antrona-Toce. | Edison. | 7 | 1 | 6.000 | | 8,5/ | 42-50 | |
| 702 | " " | " | 39 | 4 | 32.000 | | 8/130 | 42-50 | |
| 548 | " " | " | 36 | 3 | 28.000 | | 8,6/130 | 42-50 | |
| 221 | Anza- " | Montecatini S.A. | 21 | 3 | 16.000 | | 9/ | 42-50 | |
| 173 | " " | Edison. | 13 | 5 | 6.000 | | 8/45 | 42 | |
| 26 | Tresa-Ticino | " | 12 | 2 | 7.000 | | 7/ | 50 | |
| 27 | Ticino. | " | 43 | 3 | | 213 | 12/ | 50 | |
| 7 | " | " | 10 | 1 | 7.000 | 60 | | | |
| 8 | " | S.I.P. | 7 | 5 | 5.000 | | 11/ * | 50 | * + 2 Tr. 44 MVA 220/135/10 + 1x36 MVAr Syn-Cond. |
| 18 | " | Edison | 7 | 5 | 5.000 | | 2,5/23-25/49 | 42 | |
| 014 | Lario-Adda. | " | 22 | 2 | 20.000 | | 7,6/ | 42-50 | |
| 769 | " " | " | 156 * | 5 | 110.000 | | 8/135 | 42-50 | * +17.000 HP (und. devel.) |



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## LIST OF MAIN HYDRO-PLANTS IN ITALY WITH MORE THAN 5.000 KVX

| No. | Name of Plant. | Water Head. m. | River or Basin. | Utility Co. or Group. | Total Installed Thousands KVA. | No. of Units | Max KW output in average conditions. | Average yearly production. Millions Kw-Hr. | Transformers Ratio KV. | Frequency cycles |
|---|---|---|---|---|---|---|---|---|---|---|
| a | b | c | d | e | f | g | h | i | l | m |
| ALPINE HYDRO-ELECTRIC DEVELOPMENT. | | | | | | | | | | |
| 1 | S.DALMAZZO | 683 | Roia | Edison | 50* | 5 | 35.000 | | 5,25/60<br>60/135 | 50-16,7<br>50 |
| 2 | CONFLINE. | 115 | " | " | 15 | 3 | 8.000 | | 5,25/60 | 50 |
| 3 | AIROLE. | 110 | " | " | 10 | 3 | 7.000 | | 2,7/ | 50 |
| 4 | REVERA | 53 | " | " | 5 | 2 | 5.000 | | 6/ | 50 |
| 5 | ACCEGLIO. | 368 | Maira. | " | 25 | 3 | 17.000 | | 6/60 | 16,7 |
| 6 | S.DAMIANO. | 205 | " | " | 18 | 3 | 15.000 | | 6,1/60 | 50 |
| 7 | P.MARMORA. | 192 | " | " | 13* | 3 | 10.000 | | 6/ | 50-16,7 |
| 8 | DRONERO. | 82 | " | " | 12 | 3 | 10.000 | | 6/ | 50 |
| 9 | CASTELDELFINO | 303 | Varaita. | " | 35 | 2 | | 55 | 10/130 | 42-50 |
| 10 | SAMPLYRE. | 330 | " | " | 44 | 2 | | 70 | 10/130 | 42-50 |
| 11 | BROSSA SCO. | 303 | " | " | 45 | 2 | | 95 | 10/130 | 42-50 |
| 12 | CALCINERE. | 546 | PO | S.I.P.(Soc. Idr.Piem.) | 30 | 3 | 22.000 | | 6/60 | 50 |
| 13 | CHIENA. | | " | " | 28.000 HP* | | | | | |
| 14 | BARDONECCHIA. | 647 | Dora Riparia. | FF.SS. | 28 | 8* | 17.000 | 60 | 4-7/45 | 50-16,7 |
| 15 | CHIOMONTE. | 325 | " " | Az.El.Con. Torino. | 20 | 5 | 16.000 | | 8/45 | 50 |
| 16 | SUSA. | 128 | " " | " | 14 | 2 | 10.000 | | 8/45 | 50 |
| 17 | GRAN SCALA. | 189 | Conischia | S.I.P. | 10 | 4 | 8.000 | | 3/70 | 50 |

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## LIST OF MAIN HYDRO-PLANTS IN ITALY WITH MORE THAN 5.000 KVX INSTALLED.

| r River or Basin. | Utility Co. or Group. | Total Installed Thousands KVA. | No. of Units | Max KW output in average condi-tions. | Aver-age yearly produc-tion. Millions Kw-Hr. | Trans-formers Ratio KV. | Frequ-ency cycles | Remarks. |
|---|---|---|---|---|---|---|---|---|
| d | e | f | g | h | i | l | m | n |
| DEVELOPMENT. | | | | | | | | |
| Roia | Edison | 50* | 5 | 35.000 | | 5,25/60 60/135 | 50-16,7 50 | *3x10 MVA-50 + 2x10 MVA-16,7 |
| " | " | 15 | 3 | 8.000 | | 5,25/60 | 50 | |
| " | " | 10 | 3 | 7.000 | | 2,7/ | 50 | |
| " | " | 5 | 2 | 5.000 | | 6/ | 50 | |
| Maira. | " | 25 | 3 | 17.000 | | 6/60 | 16,7 | |
| " | " | 18 | 3 | 15.000 | | 6,1/60 | 50 | |
| " | " | 13* | 3 | 10.000 | | 6/ | 50-16,7 | *1x2 MVA-50 + 2x5,5 MVA-16,7 |
| " | " | 12 | 3 | 10.000 | | 6/ | 50 | |
| Varaita. | " | 35 | 2 | | 55 | 10/130 | 42-50 | |
| " | " | 44 | 2 | | 70 | 10/130 | 42-50 | |
| " | " | 45 | 2 | | 95 | 10/130 | 42-50 | |
| PO | S.I.P.(Soc. Idr.Piem.) | 30 | 3 | 22.000 | | 6/60 | 50 | |
| " | " | 28.000 HP* | | | | | | |
| Dora Riparia. | FF.SS. | 28 | 8* | 17.000 | 60 | 4-7/45 | 50-16,7 | *1x5,5 MW + 1x6,6 MW-50/16,7. 3x2,2 MVA-16,7 + 3x2 MVA 50 |
| " " | Az.El.Con. Torino. | 20 | 5 | 16.000 | | 8/45 | 50 | |
| " " | " | 14 | 2 | 10.000 | | 8/45 | 50 | |
| Conischia | S.I.P. | 10 | 4 | 8.000 | | 3/70 | 50 | |

*Was being built Dec.1941.



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| a. | b. | c. | d. | e. | f. | g. | h. | i. | l. | m. | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 18 | VENAUS. | 1098 | Conischia. | S.I.P. | 63 | 3 | 50.000 | | 6,5/70 | 50 | |
| 19 | MONPANTERO. | 114 | " | " | 9 | 1 | 6.000 | | 5/70 | 50 | |
| 20 | PIAN SULE' | 541 | Stura di Viu' | Edison | 8 | 1 | 6.000 | | 10/ | 42-50 | |
| 21 | CROT. | 511 | " " " | " | 20 | 2 | 16.000 | | 10/130 | 42-50 | |
| 22 | GALIERA LEMIE. | 349 | " " " | " | 22 | 3 | 10.000 | | 10/130 | 42-50 | |
| 23 | FUCINE. | | " " " | " | 10 | 1 | | | | 42-50 | |
| 24 | FUPGHERA. | 155 | " " " | S.I.P. | 10 | 4 | 7.000 | | 3,2/ | 50 | |
| 25 | ROSONE | 813 | Orco. | Az.El.Con. Torino. | 68 | 4 | 54:000 | 150 | 6,7/90 | 50 | |
| 26 | BARDONETTO. | | " | " " | 20 | 2 | | | 6,7/88 | 50 | |
| 27 | PONT CANAVESE | | " | " " | 11.000 HP | | | | | 50 | * |
| 28 | ARVIE' | | Grisenza-Dora B. | Soc.Cogne. | 41 | 3 | | | | 50 | |
| 29 | CHAMPAGNE. | 430 | Rhemes " | " " | 18* | 3 | 10.000 | | 5/ | 50 | * |
| 30 | CHAVENNE. | 584 | Eyviá- " | " " | 18* | 3 | 12,000 | | 5/ | 50 | * |
| 31 | AYMAVILLE. | 52 | Dora Baltea. | " " | 11 | 5 | 7.000 | | 5/ | 50 | |
| 32 | AOSTA. | | Buthier- " | " " | 50.000 HP | | | | | 50 | * |
| 33 | PERRES. | 677 | Marmore- " | S.I.P. | 12.000 HP | | | | | 50-42 | * |
| 34 | MEN. | 812 | " " | " | 60 | 3 | 36.000 | | 6,3/135 | 42-50 | |
| 35 | COUVALOU | 560 | " " | " | 40 | 2 | 30.000 | | 6,3/135 | 42-50 | |
| 36 | CASTIGLION DORA. | 280 | Dora Baltea. | " | 32 | 2 | | | /135 | 42-50 | |
| 37 | MONGIOVE. | 51 | " " | " | 18 | 3 | 10.000 | | 5/ | 50 | |
| 38 | ISOLLAZ. | 601 | Evancon- " | " | 44 | 2 | 33.000 | | 6,6/135 | 42-50 | |
| 39 | VERRES | 245 | Dora Baltea | Soc.Brambilla | 20 | 8* | | | 5,2/ | 50-O.C. | * |
| 40 | HONE BARD | 745 | " " | S.I.P. | 25 | | | 120 | 11,5/ | 50 | |
| 42 | PONT S.MARTIN | 541 | LYs- " | " | 37 | 4 | 27.000 | | 6/70-70/135 | 42-50 | |
| 41 | GRESSONEY. | 717 | " " | " | 21 | 2 | 11.000 | | 6/70 | 42-50 | |



Equal

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| d. | e. | f. | g. | h. | i. | l. | m. | n. |
|---|---|---|---|---|---|---|---|---|
| Conischia. | S.I.P. | 63 | 3 | 50.000 | | 6,5/70 | 50 | |
| " | " | 9 | 1 | 6.000 | | 5/70 | 50 | |
| Stura di Viu' | Edison | 8 | 1 | 6.000 | | 10/ | 42-50 | |
| " " " | " | 20 | 2 | 16.000 | | 10/130 | 42-50 | |
| " " " | " | 22 | 3 | 10.000 | | 10/130 | 42-50 | |
| " " " | " | 10 | 1 | | | | 42-50 | |
| " " " | S.I.P. | 10 | 4 | 7.000 | | 3,2/ | 50 | |
| Orco. | Az.El.Con. Torino. | 68 | 4 | 54.000 | 150 | 6,7/90 | 50 | |
| " | " " | 20 | 2 | | | 6,7/88 | 50 | |
| " | " " | 11.000*HP | | | | | 50 | *Was being built Dec.1941. |
| Orisenza-Dora B. | Soc.Cogne. | 41 | 3 | | | | 50 | |
| Chemes " | " " | 18* | 3 | 10.000 | | 5/ | 50 | *+ 1x14 MVA under development. |
| Lyvia- " | " " | 18* | 3 | 12,000 | | 5/ | 50 | *+ 1x12 MVA under development. |
| Dora Baltea. | " " | 11 | 5 | 7.000 | | 5/ | 50 | |
| Cuthier- " | " " | 50.000*HP | | | | | 50 | *Was being built Dec.1941. |
| Marmore- " | S.I.P. | 12.000*HP | | | | | 50-42 | * " " " " |
| " " | " | 60 | 3 | 36.000 | | 6,3/135 | 42-50 | |
| " " | " | 40 | 2 | 30.000 | | 6,3/135 | 42-50 | |
| Dora Baltea. | " | 32 | 2 | | | /135 | 42-50 | |
| " " | " | 18 | 3 | 10.000 | | 5/ | 50 | |
| Avancon- " | " | 44 | 2 | 33.000 | | 6,6/135 | 42-50 | |
| Dora Baltea | Soc.Bram-billa | 20 | 8* | | | 5,2/ | 50-C.C. | * 3x2 MVA-50 3x2,1 + 2x2,8 MW - C.C. |
| " " | S.I.P. | 25 | | | 120 | 11,5/ | 50 | |
| Is- " | " | 37 | 4 | 27.000 | | 6/70-70/135 | 42-50 | |
| " " | " | 21 | 2 | 11.000 | | 6/70 | 42-50 | |



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| a | b | c | d | e | f | g | h | i | l |
|---|---|---|---|---|---|---|---|---|---|
| 43 | VIVAROLO. | 148 | Dora Baltea | S.I.P. | 7 | 2 | 5.000 | | 5,5/71 |
| 44 | PONTE PRETI. | 130 | " " | Edison | 7 | 2 | 5.000 | | 8/ |
| 42bis | T.VAGNO. | 10 | " " | Soc.Costr.Idr | 6 | 2 | | | 10/ |
| 45 | PONTE | 888 | Toce. | Edison | 100 | 3 | | 121 | 8/130 |
| 46 | FONDOVALLE. | 78 | " | " | 10 | 1 | | 21 | 8/55 |
| 47 | CADIRESE | 468 | " | " | 56 | 2 | | 167 | 9/160 |
| 48 | CREGO. | 190 | " | " | 21 | 3 | | 88 | 8/65 |
| 49 | GOGLIO. | 522 | " | " | 40 | 2* | | 79 | 7.5/55 |
| 50 | VERAMPIO. | 572 | " | " | 28 | 4 | | 107 | 7,6/56 7,6/130 |
| 51 | CREVOLA. | 204 | " | " | 47 | 2 | | 155 | 6,5/60 |
| 52 | ISELLE | 171 | Diver in- Toce. | " | 9 | 3 | 6.000 | | 3,3/48 |
| 53 | VARZO. | 457 | " " | " | 33 | 7* | 22.000 | | 3,3/48 |
| 54 | ISORNO. | 478 | Isorno-" | " | 18 | 4 | 8.000 | | 3,6/55 |
| 55 | PONTETTO. | 301 | " " | " | 10 | 4 | 8.000 | 51* | 6,5/60 |
| 56 | DOMODOSSOLA. | | " Toce | " | 35 | 2 | | 110 | |
| 57 | MEGOLO. | | Toce | Rumianca S.A. | 9 | 2 | | | |
| 58 | CAMPLICCIOLI | 968 | Antrona-Toce. | Edison. | 7 | 1 | 6.000 | | 8,5/ |
| 59 | ROVESCA | 702 | " " | " | 39 | 4 | 32.000 | | 8/130 |
| 60 | PALLANZENO. | 548 | " " | " | 36 | 3 | 28.000 | | 8,6/130 |
| 61 | BATTIGGIO | 221 | Anza- " | Montecatini S.A. | 21 | 3 | 16.000 | | 9/ |
| 62 | PIEDIMULERA. | 173 | " " | Edison. | 13 | 5 | 6.000 | | 8/45 |
| 63 | CREVA di LUINO | 26 | Tresa-Ticino | " | 12 | 2 | 7.000 | | 7/ |
| 64 | VIZZOLA. | 27 | Ticino. | " | 43 | 3 | | 213 | 12/ |
| 65 | TORNAVENTO. | 7 | " | " | 10 | 1 | 7.000 | 60 | |
| 66 | TURBIGO. | 8 | " | S.I.P. | 7 | 5 | 5.000 | | 11/* |
| 67 | VIGEVANO. | 18 | " | Edison | 7 | 5 | 5.000 | | 2,5/23-25/49 |
| 68 | S.BERNARDO. | 1014 | Adda. | " | 22 | 2 | 20.000 | | 7,6/ |
| 69 | MESE. | 769 | " " | " | 156* | 5 | 110.000 | | 8/135 |

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| c | d | e | f | g | h | i | l | m | n | t |
|---|---|---|---|---|---|---|---|---|---|---|
| 148 | Dora Baltea | S.I.P. | 7 | 2 | 5.000 | | 5,5/7[illegible] | 50 | | |
| 130 | " " | Edison | 7 | 2 | 5.000 | | 8/ | 42-50 | | |
| 10 | " " | Soc.Costr.Idr | 6 | 2 | | | 10/ | 50 | | |
| 688 | Toce. | Edison | 100 | 3 | | 121 | 8/130 | 42-50 | | |
| 78 | " | " | 10 | 1 | | 21 | 8/55 | 42 | | |
| 468 | " | " | 56 | 2 | | 167 | 9/160 | 42 | | |
| 190 | " | " | 21 | 3 | | 88 | 8/65 | 42 | | |
| 522 | " | " | 40 | 2* | | 79 | 7,5/55 | 42-50 | * + 5x4 MVA-42 (old plant) | |
| 572 | " | " | 28 | 4 | | 107 | 7,6/56<br>7,6/130 | 42 | | |
| 204 | " | " | 47 | 2 | | 155 | 6,5/60 | 42 | | |
| 171 | Diver ia- Toce. | " | 9 | 3 | 6.000 | | 3,3/48 | 42 | | |
| 457 | " " | " | 33 | 7* | 22.000 | | 3,3/48 | 42-16,7 | *5x3,5 + 1x12,5 MVA-42<br>1x2,8 MVA-16,7 | |
| 478 | Isorno-" | " | 18 | 4 | 8.000 | | 3,6/55 | 42 | * | |
| 301 | " " | " | 10 | 4 | 8.000 | 51* | 6,5/60 | 42 | | |
| | " Toce | " | 35 | 2 | | 110 | | 42-50 | | |
| | Toce | Rumianca S.A. | 9 | 2 | | | | 42 | | |
| 968 | Antrona-Toce. | Edison. | 7 | 1 | 6.000 | | 8,5/ | 42-50 | | |
| 702 | " " | " | 39 | 4 | 32.000 | | 8/130 | 42-50 | | |
| 548 | " " | " | 36 | 3 | 28.000 | | 8,6/130 | 42-50 | | |
| 221 | Anza- " | Montecatini S.A. | 21 | 3 | 16.000 | | 9/ | 42-50 | | |
| 173 | " " | Edison. | 13 | 5 | 6.000 | | 8/45 | 42 | | |
| 26 | Tresa-Ticino | " | 12 | 2 | 7.000 | | 7/ | 50 | | |
| 27 | Ticino. | " | 43 | 3 | | 213 | 12/ | 50 | | |
| 7 | " | " | 10 | 1 | 7.000 | 60 | | | | |
| 8 | " | S.I.P. | 7 | 5 | 5.000 | | 11/* | 50 | * + 2 Tr. 44 MVA 220/135/10 + 1x36 MVAr Syn-Cond. | |
| 18 | " | Edison | 7 | 5 | 5.000 | | 2,5/23-25/49 | 42 | | |
| 1014 | Mairo-Adda. | " | 22 | 2 | 20.000 | | 7,6/ | 42-50 | | |
| 769 | " " | " | 156* | 5 | 110.000 | | 8/135 | 42-50 | * +17.000 HP (und. devel.) | |



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| a | b | c | d | e | f | g | h | i | l | m | n |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 70 | CAMPO | | Codera-" | Acc.e Ferr Lomba rde | 55 | 2 | | | | 42-50 | |
| 71 | ISOLACCIA | 503 | Adda. | Az.El.Con Milano | 50 ※ | 3 | 36.000 | | 7,5/135 | 42-50 | ※ |
| 72 | LOVERO | | Roasco-Adda | " " " | 19.000 HP ※ | | | | | | ※ |
| 73 | GROSIO | 510 | " " | " " " | 21※ | 3 | 16.000 | | 10/42 | 42 | ※ |
| 74 | GROSOTTO | 327 | Adda " | " " " | 42 | 3 | 30.000 | | 10/135 | 42 | |
| 75 | STAZZONA | | " | " " " | 44 | 2 | 10/135 | | 10/135 | 42 | |
| 76 | POSCHIAVINO | 91 | Poschiavino-" | S.I.F. | 12 | 2 | 10.000 | | 7,5/ | 50 | |
| 77 | MALLERO I | 495 | Mallero- " | " | 30 | 5 | 24.000 | | 8,2/ | 50 | |
| 78 | MALLERO II | 66 | " " | " | 6 | 2 | 4.000 | | 8,2/ | 50 | |
| 79 | MASINO | 427 | Masino " | " | 13 | 3 | 10.000 | | 8/ | 50 | |
| 80 | BELVISO | | Belviso- " | Acc.e.Ferr. LOMBARDE | 16.000 HP ※ | | | | | | ※ |
| 81 | ARMISA | 803 | Adda | " " | 12 | 2 | 10.000 | | 8/ | 42 | |
| 82 | ZAFFELLO | 369 | " | " " | 12 | 2 | 10.000 | | 13,5/ | 42 | |
| 83 | VEDELLO | | " | " " | 34 | 3 | | | | | |
| 84 | VENINA | 721 | " | " " | 72 | 5 | 58.000 | | 6,6/70-135. | 42 | |
| 85 | BOFFETTO | 44 | " | " " | 13 | 3 | 10.000 | | 7,5/ | 42 | |
| 86 | BITTO II° | 684 | Bitto Adda. | Edison | 19 | 1 | | 16 | 7,6/150 | 42-50 | |
| 87 | BITTO III | 394 | " " | " | 15 | 1 | | 41 | 7,6/150 | 42-50 | |
| 88 | BITTO IV | 430 | " " | " | 44 | 2 | | 70 | 7,6/150 | 42-50 | |
| 89 | TARTANO | 499 | ADDA | " | 10 | 2 | 6.000 | | 9/ | 50 | |
| 90 | MORBEGNO | 30 | " | FF.SS | 12 | 4 | 6.000 | 45 | 3,6/22-3,6/65※ | 16,7 (15,8) | |
| 91 | GRAVEDONA | | Liro-Adda | Edison | 11.000 H.P. ※ | | | | | | |
| 92 | CORENNO PLINIO | 473 | Varrone-Adda | " | 16 | 2 | 13.000 | | 5/ | 42 | |
| 93 | BERTINI-PADERNO | 29 | Adda | " | 15 | 6 | 10.000 | | 15/ | 42 | |
| 94 | ESTERNE-ROBBIATE. | 39 | " | " | 51 ※ | 6 | 25.000 | | 15/-2,3/ | 42-16,7 | |
| 95 | TREZZO | 8 | " | " | 13 ※ | 1 | 8.000 | | 14/ | 42-50 | |
| 96 | CASSARO | 8 | " | Lin.e.Canap Naz. | 13 | 6 | 8.000 | | 8/ | 42-50 | |

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| d | e | f | g | h | i | l | m | n |
|---|---|---|---|---|---|---|---|---|
| ra-" | Acc.e Ferr Lombarde | 55 | 2 | | | | 42-50 | |
| | Az.El.Con Milano | 50 * | 3 | 36.000 | | 7,5/135 | 42-50 | * + 7.000 HT (und.develp.) |
| cc-Adda | " " " | 19.000 HP * | | | | | | *. Was being built Dec.1941 |
| " | " " " | 21* | 3 | 16.000 | | 10/42 | 42 | * New plant: 1 x 20 + + 2 x 10 MVA |
| " | " " " | 42 | 3 | 30.000 | | 10/135 | 42 | |
| | " " " | 44 | 2 | 10/135 | | 10/135 | 42 | |
| hiavino-" | S.I.E. | 12 | 2 | 10.000 | | 7,5/ | 50 | |
| ero- " | " | 30 | 5 | 24.000 | | 8,2/ | 50 | |
| " | " | 6 | 2 | 4.000 | | 8,2/ | 50 | |
| no " | " | 13 | 3 | 10.000 | | 6/ | 50 | |
| lso- " | Acc.e.Forr. LOMBARDE | 18.000 HP * | | | | | | * Was being built Dec.1941 |
| | " " | 12 | 2 | 10.000 | | 6/ | 42 | |
| | " " | 12 | 2 | 10.000 | | 13,5/ | 42 | |
| | " " | 34 | 3 | | | | | |
| | " " | 72 | 5 | 56.000 | | 6,6/70-135. | 42 | |
| | " " | 13 | 3 | 10.000 | | 7,5/ | 42 | |
| o Adda. | Edison | 19 | 1 | | 16 | 7,6/150 | 42-50 | |
| " | " | 15 | 1 | | 41 | 7,6/150 | 42-50 | |
| " | " | 44 | 2 | | 70 | 7,6/150 | 42-50 | |
| | " | 10 | 2 | 6.000 | | 9/ | 50 | |
| | FF.SS | 12 | 4 | 6.000 | 45 | 3,6/22-3,6/65* | 16,7 (15,8) | *130 KV Transf |
| -Adda | Edison | 11.000 H.P. * | | | | | | * Was being built Dec.1941 |
| ono-Adda | " | 16 | 2 | 13.000 | | 5/ | 42 | |
| | " | 15 | 6 | 10.000 | | 15/ | 42 | |
| | " | 51 * | 6 | 25.000 | | 15/-2,3/ | 42-16,7 | * 6 x 6,7 MVA-42 2 x 5,5 MVA-16,7 |
| | " | 13 * | 1 | 6.000 | | 14/ | 42-50 | * 4 x 1,8 MVA (old plant) |
| | Lin.e.Canro Naz. | 13 | 6 | 6.000 | | 6/ | 42-50 | |

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| a | b | c | d | e | f | g | h | i | l |
|---|---|---|---|---|---|---|---|---|---|
| 97 | CARONA | 800 | Brembo-Adda | S.I.P. | 30 | 2 | 21.000 | | 7,5/135 |
| 98 | BORDOGNA | 545 | " " | " | 44 | 2 | 35.000 | | 8/135 |
| 99 | S.PIETRO D'ORZIO | 413 | " " | Edison | 14 | 5 | 10.000 | | 3,5/ |
| 100 | ZOGNO | 57 | " " | " | 8 | 4 | 6.000 | | 2,7/ |
| 100 bis | BONATE di S. | 24 | " " | " | 8 | 3 | 5.000 | | 13,5/ |
| 101 | DOSSI BARBELLINO | 934 | Serio- " | " | 28 | 4 | 23.000 | | 6,5/ |
| 101 bis | GANDELLINO | 104 | " " | " | 6 | 3 | 4.000 | | 4/ |
| 102 | AVIASCO | 1025 | " " | " | 8 | 3 | 6.000 | | 6/ |
| 102 bis | GROMO | 321 | " " | " | 5 | 4 | 4.000 | | 4/ |
| 103 | LUDRIGNO-FRUA | | " " | " | 15 | 5 | 9.000 | | 10/ |
| 104 | TEMU' | 776 | Oglio | " | 61 | 5 | 48.000 | | 6,5/77/125 |
| 105 | SONICO | 439 | " | " | 80 | 5 | 60.000 | 224 | 6,5/77/125 |
| 106 | FORNO ALLIONE | 335 | " | " | 11 | 3 | 7.000 | | 12/72 |
| 107 | CEDEGOLO (Bresc). | 97 | " | " | 10 | 4 | 7.000 | | 3,6/12 |
| 108 | PAISCO | 582 | " | " | 10 | 2 | 5.000 | | 12/72 |
| 109 | SALARNO | | " (L.Baitone) | " | 7 | 2 | | | |
| 110 | ISOLA | 916 | " | " | 60 | 3 | 47.000 | | 12/72 |
| 111 | CEDEGOLO (Adamello) | 478 | " | " | 37 | 4 | 34.000 | | 12/72/125 |
| 112 | CAMPELLO | 153 | " (Val Saviore) | " | 11 | 3 | 6.000 | | 4,3/12 |
| 113 | PALLOVIA | 502 | Cat o-Oglio | " | 7 | 2 | 5.000 | | 3,6/ |
| 114 | CIVIDATE | | Oglio | " | 37,000HP | | | | |
| 115 | MAZZUNO(DEZZO) | 222 | Dezzo-Oglio | Cons.Idr. del.Dezzo. | 6 | 3 | 3.000 | | 5/ |
| 116 | MAZZUNO(Bresc) | 132 | " " | Edison | 6 | 2 | 2.000 | | 6,5/ |
| 117 | PARAVISO | | " " | Soc.Ilva | 29.000HP | | | | |
| 118 | CORNA DARFO | 117 | Oglio | " " | 6 | 3 | 6.000 | | 6/ |

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| d | e | f | g | h | i | l | m | n |
|---|---|---|---|---|---|---|---|---|
| mbo-Addn | S.I.P. | 30 | 2 | 21.000 | | 7,5/135 | 50 | |
| " " | " | 44 | 2 | 35.000 | | 8/135 | 42-50 | |
| " " | Edison | 14 | 5 | 10.000 | | 3,5/ | 50 | |
| " " | " | 8 | 4 | 6.000 | | 2,7/ | 42 | |
| " " | " | 8 | 3 | 5.000 | | 13,5/ | 50 | |
| erio- " | " | 28x | 4 | 23.000 | | 6,5/ | 42-50 | x = 1 x 15 MVA rnd.dev |
| " " | " | 6 | 3 | 4.000 | | 4/ | 50 | |
| " " | " | 8 | 3 | 6.000 | | 8/ | 50 | |
| " " | " | 5 | 4 | 4.000 | | 4/ | 50 | |
| " " | " | 15 | 5 | 9.000 | | 10/ | 50 | |
| lio | " | 61 | 5 | 48.000 | | 6,5/77/125 | 42-50 | |
| " | " | 80 | 5 | 60.000 | 224 | 6,5/77/125 | 42-50 | |
| " | " | 11 | 3 | 7.000 | | 12/72 | 42 | |
| " | " | 10 | 4 | 7.000 | | 3,6/12 | 42 | |
| " | " | 10 | 2 | 5.000 | | 12/72 | 42 | |
| " (L.Enitone) | " | 7 | 2 | | | | 42-50 | |
| " | " | 60 | 8 | 47.000 | | 12/72 | 42 | |
| " | " | 37 | 4 | 34.000 | | 12/72/125 | 42 | |
| " (Val Saviorn) | " | 11 | 3 | 6.000 | | 4,3/12 | 42 | |
| o-Oglio | " | 7 | 2 | 5.000 | | 3,6/ | 42 | |
| lo | " | 37.000xHP | | | | | | x Was being built Dec.1941. |
| zo-Oglio | Cons.Idr. del.Dezzo. | 6 | 3 | 3.000 | | 5/ | 50 | |
| " | Edison | 6 | 2 | 2.000 | | 5,5/ | 42 | |
| " | Soc.Ilva | 29.000xHP | | | | | | x Was being built Dec.1941 |
| " " | | 8 | 3 | 6.000 | | 8/ | 2-36 | |

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| a | b | c | d | e | f | g | h | i | l | m |
|---|---|---|---|---|---|---|---|---|---|---|
| 119 | PONTECAFFARO. | 249 | Caffaro-Oglio | Soc.el . Caffaro. | 11 | 4 | 7.000 | | 9/ | 42 |
| 120 | VOBARNO. | 104 | Chiese " (L.Idro) | " Edison. | 23 | 2 | 18.000 | 100 | 6,5/65* | 42 |
| 121 | FIES | 56 | Sarca-Mincio | Soc.Ind Trentina. | 27 | 8 | 17.000 | | 5,5/60 | 42 |
| 122 | DRO | 51 | " " | " " | 24. | 4 | 13,000 | | 5,5/60 | 42 |
| 123 | PONALE | 590 | Mincio | Soc. El. Pogale. | 78* | 3 | 45,000 | 100 | 6,7/132/ (238) | 42 |
| 124 | PRATI-VIZZE | 359 | Isarco-Adige. | Edison | 31* | 4 | 30.000 | | 6/ -4/ | 42 |
| 125 | RIO (Valles) | | " " | FF.SS. | 7 | 2 | | | | 16 |
| 126 | BRESSANONE | 164 | " " | Montecatini- | 142* | 5 | 100.000 | 600 | 10/135 | 42 |
| 127 | PONTE GARDENA | 61 | " " | Montecatini | 75 | 3 | | 230 | 10/65/135 | 4 |
| 128 | PREMESA. | 221 | Gardena- " | " | 12 | | | | 10/65 | 42 |
| 129 | CICOGNA-CARDANO. | 164 | Isarco-Adige | S.I.P. | 207* | 8 | 120.000 | 500 | 10/135-10/236 4/65 | 42 16 |
| 130 | GLORENZA(Resia) | 580 | Adige. | Montecatini | 116 | | | | | 42 |
| 131 | SENALES | 319 | " | Az.El.Com. Bolzano | 18 | 2 | 12.000 | 115 | 18/65 | 42 |
| 132 | TEL | 71 | " | " " | 24 | 5 | 19.000 | | 3,5/- 10/65 | 42 |
| 133 | MARLENGO | 130 | " | Montecatini | 44* | 5 | | | 10,5/65 | 42 |
| 134 | MALGA MARE | 618 | Noce-Adige | Edison | 14 | 1 | | | 10/ | 42 |
| 135 | COGOLO | 762 | " " | " | 46* | 2 | | | 9,3/ | 42 |
| 136 | TAIO | | " " | " | 14.000 HP* | | | | | |
| 137 | MEZZOCORONA | 124 | " " | " | 36 | 2 | 32.000 | | 10/127/ 143 | 42 |
| 138 | POZZOLAGO. | 604 | Adige | " | 13 | 3 | 11.000 | | 5/ | 42 |
| 139 | MORI-MARCO | 11 | " | Montecatini | 21* | 4 | 17.000 | 110 | 350 C.C. | C |
| 140 | BUSSOLENGO | | " | Soc.Idr.K. Adige | 59.000 HP* | | | | | |
| 141 | CHEIGO | | " | " " " | 37.000 HP* | | | | | 42 |
| 141 bis | TOMBETTA | 11 | "(C.Camuzzi) | Az.El.Com., Verona | 6 | 4 | 5.000 | | 3/ | |

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| d | e | f | g | h | i | l | m | n |
|---|---|---|---|---|---|---|---|---|
| aro-Oglio | Soc.el . Caffaro. | 11 | 4 | 7.000 | | 9/ | 42 | |
| se . .Idro) | Edison. | 23 | 2 | 18.000 | 100 | 6,5/65* | 42-50 | * + 135 KV |
| n- incio | Soc.Ind Trentina. | 27 | 8 | 17.000 | | 5,5/60 | 42-50 | |
| " | " " | 24 | 4 | 13,000 | | 5,5/60 | 42-50 | |
| io | Soc. El. Pogale. | 78* | 3 | 45,000 | 100 | 6,7/132/ (238) | 42-50 | * 2x21 + 1x36 MVA. |
| co- ige. | Edison | 31* | 4 | 30.000 | | 6/ -4/ | 42-50- 16,7 | * 1x12 MVA-42/1x1 MVA-42/50. |
| " | FF.SS. | 7 | 2 | | | | 42-50 | |
| " | Montecatini- | 142* | 5 | 100.000 | 600 | 10/135 | 42-50 | *3x35 + 2x18,5 MVA |
| " | Montecatini | 75 | 3 | | 230 | 10/65/135 | 42-50 | |
| enn- " | " | 12 | | | | 10/65 | 42-50 | |
| co- dige | S.I.P. | 207* | 8 | 120.000 | 500 | 10/135- 10/236 4/65 | 42-50 16,7 | *5x36 MVA-42/50 3x9 MVA-16,7 |
| e. | Montecatini | 116 | | | | | 42-50 | |
| | Az.El.Com. Bolzano | 18 | 2 | 12.000 | 115 | 18/65 | 42-50 | |
| | " " | 24 | 5 | 19.000 | | 3,5/- 10/65 | 42-50 | |
| | Montecatini | 44* | 5 | | | 10,5/65 | 42-50-CC | *4x7 MW-500 V-CC 1x9 MVA-42-50 |
| -Adige | Edison | 14 | 1 | | | 10/ | 42-50 | |
| " | " | 46* | 2 | | | 9,3/ | 42-50 | *+16.000 HP und: dev. Was being built Dec.1941. |
| " | " | 14.000 HP* | | | | | | |
| " | " | 36 | 2 | 32.000 | | 10/127/ 143 | 42-50 | |
| | " | 13 | 3 | 11.000 | | 5/ | 42-50 | |
| | Montecatini | 21* | 4 | 17.000 | 110 | 350 C.C. | C.C. | |
| | Soc. Idr.M. Adige | 59.000 HP * | | | | | | *Was being built Dec.1941. |
| | " " " | 37.000 HP * | | | | | 42-50 | * " " " " |
| Can- zi) | Az.El.Com., Verona | 6 | 4 | 5.000 | | 3/ | 42 | |

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| a | b | c | d | e | f | g | h | i | l | m |
|---|---|---|---|---|---|---|---|---|---|---|
| 142 | SCRIC II | 10 | Adige | Adriatica | 16 | 2 | | | 11/ | 42 |
| 143 | CAORIA | | Travignolo-Brenta | Soc.Ser b. Mont. | 28.000 HP x | | | | | 42-50 |
| 144 | S. SILVESTRO | 308 | Cismon-Brenta | Adriatica | 20 | 2 | 15.000 | | 9/135 | 42-50 |
| 145 | MOLINE | 143 | " " | " | 20 | 2 | 15.000 | | 9/135 | 42-50 |
| 146 | PEDESALTO | 54 | " " | " | 9 | 3 | 6.000 | | 5,5/ | 42 |
| 147 | GRIGNO | | Brenta | Soc.Ind. Trentina | 10.000 HP x | | | | | |
| 148 | BASSANO GR. | | " | Soc.Idr Grappa | 7 | 2 | | | | 42-50 |
| 149 | PELOS | 120 | Ansiei-Piave | Adriatica | 63 | 3 | | 140 | 6,5/140 | 42-50 |
| 150 | SOVERZENE | | Piave | " | 123.000 HP x | | | | | |
| 151 | LA STANCA | | Cordevole" | " | 28.000 HP x | | | | | |
| 152 | CENCENEGHE | 190 | " " | " | 36 | 2 | | 106 | 10/135 | 42-50 |
| 153 | AGORDO | 155 | " " | " | 36 | 2 | | 87 | 10/135 | 42-50 |
| 154 | CASTELVIERO-NERV | 46 | Piave | Cons:Can. Vittoria | 14 | 2 | 5.000 | | 8/ | 42-50 |
| 155 | FADALTO N. | 105 | " | Adriatica | 110 | 5 | 77.000 | | 6/135 | 42 |
| 156 | NOVE | 99 | " | " | 80 | 5 | 56.000 | | 6/135 | 42 |
| 157 | S. FLORIANO | 14 | " | " | 5 | 3 | 4.000 | | 6/ | 42 |
| 158 | CASTELLETTO | 62 | " | " | 8 | 2 | 6.000 | | 5/ | 42 |
| 159 | CANEVA | 105 | " | " | 50 | 3 | 36.000 | | 6/135 | 42 |
| 160 | FOSSA DIUDA | 24 | Livenza | " | 7 | 2 | 5.000 | | 6/ | 42 |
| 161 | MALNISIO | 60 | Colline-Livenza | " | 10 | 6 | 8.000 | | 4/ | 42 |
| 162 | CIAIS | 60 | " " | " | 9 | 2 | 6.000 | | 4/ | 42 |
| 163 | PIAN DEL SAC | | Lumioi-Tagliam | " | 20.000 HP x | | | | | |
| 164 | S.LUCIA (Doblari) | 45 | Isonzo | " | 45 | 3 | | 135 | 10/135x | 42-50 |
| 165 | CANALE PIAVA | 26 | " | " | 20 - | 2 | | 80 | 10/50 | 42-50 |

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| d | e | f | g | h | i | j | m | n |
|---|---|---|---|---|---|---|---|---|
| Adige | Adriatica | 16 | 2 | | | 11/ | 42 | |
| Travignolo-Brenta | Soc.Ser b. Mont. | 28.000 HP* | | | | | 42-50 | *Was being built Dec.1941 6 MVA inst: |
| Cismon-Brenta | Adriatica | 27 | 2 | 15.000 | | 9/135 | 42-50 | |
| " " | " | 29 | 2 | 15.000 | | 9/135 | 42-50 | |
| " " | " | 9 | 3 | 6.000 | | 5,5/ | 42 | |
| Brenta | Soc.Ind Trentina | 19.000 HP * | | | | | | *Was being built Dec.1941- |
| " | Soc.Idr Grappa | 7 | 2 | | | | 42-50 | |
| Ansiei-Piave | Adriatica | 63 | 3 | | 140 | 6,5/140 | 42-50 | |
| Piave | " | 123.000 HP * | | | | | | *Was being built Dec.1941 |
| Cordevole" | " | 28.000 HP * | | | | | | *Was being built Dec.1941 |
| " " | " | 36 | 2 | | 106 | 10/135 | 42-50 | |
| " " | " | 36 | 2 | | 87 | 10/135 | 42-50 | |
| Piave | Cons:Gen. Vittoria | 14 | 2 | 5.000 | | 8/ | 42-50 | |
| " | Adriatica | 110 | 5 | 77.000 | | 6/135 | 42 | |
| " | " | 80 | 5 | 56.000 | | 6/135 | 42 | |
| " | " | 5 | 3 | 4.000 | | 6/ | 42 | |
| " | " | 8 | 2 | 6.000 | | 5/ | 42 | |
| " | " | 50 | 3 | 36.000 | | 6/135 | 42 | |
| Livenza | " | 7 | 2 | 5.000 | | 6/ | 42 | |
| Collina-Livenza | " | 10 | 8 | 8.000 | | 4/ | 42 | |
| " | " | 9 | 2 | 6.000 | | 4/ | 42 | |
| Tagliamento-Tagliam | " | 20.000 HP * | | | | | | *Was being built Dec.1941 |
| Tagliamento | " | 45 | 3 | | 135 | 10/135* | 42-50 | * +50/135. |
| " | " | 20 | 2 | | 80 | 10/50 | 42-50 | |

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| a | b | c | d | e | f | g | h | i | l |
|---|---|---|---|---|---|---|---|---|---|
| APPENNINI MOUNTAINS HYDRO-ELECTRIC DEVELOPMENT. | | | | | | | | | |
| 166 | MCLINE | 105 | Corsaglia-Tanaro | Edison | 5 | 3 | 3.000 | | 6,2/ |
| 167 | PIOZZO | | Tanaro | Soc.Idr Tanaro | 7 | | | | |
| 168 | ISORELLA | 11 | " | S.I.P. | 3 | 3 | 1.500 | | 13,5/* |
| 169 | CAIRO MONTENOTTE | | Bormida-Tanaro | Acc.e Ferr Lombarde | 11 | 2 | | | |
| 170 | VALLA | 57 | " " | Impr.Ansermino | 12 | 3 | 10.000 | | 6,5/ |
| 171 | MOLARE | 108 | Orba- " | Edison | 24 | 2 | 18.000 | | 5,2/60 |
| 172 | ISOVERDE | 372 | Gorzente-Po | Acqued.de Ferrari | 10 | 3 | 3.000 | | 5/ |
| 173 | SALSOMINORE | 212 | Aveto-Trebbia | Edison | 20 | 2 | 12.000 | | 7/130 |
| 173 bis. | BARDI | 104 | Cono-Taro | " | 6 | 3 | 4.000 | | 5,2/ |
| 174 | CAROSO | 397 | Entella | " | 9 | 2 | 6.000 | | 6/ |
| 175 | S. MICHELE | 395 | " | " | 11 | 3 | 7.000 | 40 | 6/ |
| 176 | TEGLIA | 152 | Teglia-Magra | Acc.e Ferr Lombarde | 22* | 3 | 10.000 | | |
| 177 | VIZZA' | | Vara - " | Edison | 7 | 1 | | | |
| 178 | MARRA di Corniglio | | Parma | " | 13 | 3 | | | |
| 179 | ISOLA PALANZANO | 356 | Enza. | " | 11 | 5 | 7.000 | | 3,6/ |
| 180 | SELVANIZZA | 101 | " | " | 7 | 2 | 5.000 | | 3,6/ |
| 181 | LIGONCHIO II | 276 | Ozzola-Secchia | " | 23* | 3 | 10.000 | | 7/72/125 |
| 182 | PREDARE | 263 | " " | " | 30* | 4 | 14.000 | | 7/70 |

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| d | e | f | g | h | i | l | m | n |
|---|---|---|---|---|---|---|---|---|

VELOPMENT.

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| ia-Tanaro | Edison | 5 | 3 | 3.000 | | 6,2/ | 50 | |
| | Soc.Idr Tanaro | 7 | | | | | 50 | |
| | S.I.P. | 3 | 3 | 1.500 | | 13,5/* | 50 -* | + 135 KV. Transf. |
| -Tanaro | Acc.e Ferr Lombarde | 11 | 2 | | | | 42-50 | |
| " | Impr.Ansor-mino | 12 | 3 | 10.000 | | 6,5/ | 50 | |
| " | Edison | 24 | 2 | 18.000 | | 5,2/60 | 50 | |
| e-Po | Acqued.de Ferrari | 10 | 3 | 3.000 | | 5/ | 42 | |
| | Edison | 20 | 2 | 12.000 | | 7/130 | 42-50 | |
| ia | | | | | | | | |
| ro | " | 6 | 3 | 4.000 | | 5,2/ | 42-50 | |
| | " | 9 | 2 | 6.000 | | 6/ | 50 | |
| | " | 11 | 3 | 7.000 | 40 | 6/ | 50 | |
| Magra | Acco Ferr Lombarde | 22* | 3 | 10.000 | | | 42-50 * 3 x 6,5 MVA- 16,7 | |
| " | Edison | 7 | 1 | | | | 42-50 | |
| | " | 13 | 3 | | | | 42-50 | |
| | " | 11 | 5 | 7.000 | | 3,6/ | 42 | |
| | " | 7 | 2 | 5.000 | | 3,6/ | 42 | |
| Socchia | " | 23* | 3 | 10.000 | | 7/72/125 | 42-50- 16,7 * 1 x 10 MVA- 42/50 1 x 3 MVA.50- 1 x10 MVA- 16,7 | |
| | | | | | | | * Junction(smistamento) and frequency transformer. | |
| " | " | 30* | 4 | 14.000 | | 7/70 | 42-50- 16,7 * 2 x 6 + 1 x 9 MVA- 42/50 1 x 9 MVA-16,7/50 | |

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| a | b | c | d | e | f | g | h | i | l |
|---|---|---|---|---|---|---|---|---|---|
| 183 | MUSCHIOSO. | | Socchia. | Edison | 9 | 1 | | | 42-50 |
| 184 | FARNETA. | 330 | Dolo-" | " | 48* | 4 | 30.000 | 6,8/130 | 42-50 |
| 185 | STRETTARA | 112 | Scoltenna-Panano | " | 7 | 2 | 5.000 | 3,6/ | 42 |
| 186 | PAVANA | 46 | Limentra-Reno. | FF.SS | 17* | 4 | 6.000 | 3,3/ | 50-16,7 |
| 187 | SUVIANA | 83 | " " | " | 60* | 3 | 50 | | 42-50-16,7 |
| 188 | LE PIANE | 171 | Brasinone-" | Adriatica | 10 | 2 | 10.000 | 5/ | 42 |
| 189 | S.MARIA | | " " | " | 5 | | 5.000 | | 42 |
| 190 | CONFINO | 176 | Serchio | Soc.Valdarno | 6 | 3 | 3.000 | 7 5/33 | 50 |
| 191 | CASTELNUOVO G. | 46 | " | " | 9 | 3 | 5.000 | 20 5/33 | 50 |
| 192 | PIAN Della ROCCA | | " | " | 18.000 HP * | | | | |
| 193 | GALLICANO | 88 | " | " | 21 | 4 | 11.000 | 45 5/33 | 50 |
| 194 | CALA VORNO | 76 | " | " | 26 | | | /130 | 50 |
| 195 | SPERANDO | | Lima-Serchio | " | 16 | 4 | | | 50 |
| 196 | LIMA | 76 | " " | " | 8 | 3 | 4.000 | 22 5/33 | 50 |
| 197 | PORRINO | 226 | Sestaione-" | " | 5 | 3 | 4.000 | 5,5/ | 50 |
| 198 | QUARTO | 73 | Savio | Adriatica | 5 | 3 | 4.000 | 3,6/ | 50 |
| 198 bis. | FURLO | 40 | Metauro | Unes | 5 | 6 | 3.000 | 3,6/ | 50 |
| 199 | GEROSO | 285 | Aso | " | 20 | 2 | 12.000 | 6/65 | 50 |
| 200 | PEDASO | | " | " | 6 | 2 | | | 50 |
| 201 | VENA MARTELLO | 300 | Tronto | " | 20 | 5 | 12.000 | 5/65 | 50 |
| 202 | CASTELLANO- | 119 | Castellano-Tronto | " | 10 | 3 | 6.000 | 5/ | 50 |
| 203 | PRECI | 151 | Nera | Soc.Terni | 13 | 2 | 6.000 | 6/70/143 | 50 |
| 204 | COTILIA | 136 | Velino-Nera | " | 60* | 2 | | 10/155 | 45-50 |
| 205 | COLLESTATTE | 153 | " " | " | 10 | 1 | 7.000 | 6,4/ | 45 |
| 206 | MARMORE | 159 | " " | " | 28 | 2 | 14.000 | 6,4/ | 45-50 |
| 207 | GALLETO | 202 | " " | " | 172 | 4 | 140.000 | 1.000 10/73/155 | 45-50 |



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| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Edison | 9 | 1 | | | | 42-50 | |
| | " | 48* | 4 | 30.000 | | 6,8/130 | 42-50 | *2 x 12 MVA-42/2x 12 MVA 50. |
| nna- | " | 7 | 2 | 5.000 | | 3,6/ | 42 | |
| no | | | | | | | | |
| rn- | FF.SS | 17* | 4 | 6.000 | | 3,3/ | 50-16,7 | *2 x 8 MVA-16,7 2.0,5 MVA-50 |
| no. | | | | | | | | |
| " | " | 60* | 3 | | 50 | | 42-50-16,7 | *3 x 20 MVA-42/ 50/16,7 |
| one-" | Adriatica | 10 | 2 | 10.000 | | 5/ | 42 | |
| " | " | 5 | | 5.000 | | | 42 | |
| o | Soc.Valdarno | 6 | 3 | 3.000 | 7 | 5/33 | 50 | |
| | " | 9 | 3 | 5.000 | 20 | 5/33 | 50 | |
| | " | 16.000 HP * | | | | | | *Was being built Dec.1941 |
| | " | 21 | 4 | 11.000 | 45 | 5/33 /130 | 50 | |
| | " | 26 | | | | | 50 | |
| rchio | " | 16 | 4 | | | | 50 | |
| " | " | 8 | 3 | 4.000 | 22 | 5/33 | 50 | |
| one-" | " | 5 | 3 | 4.000 | | 5,5/ | 50 | |
| | Adriatica | 5 | 3 | 4.000 | | 3,6/ | 50 | |
| o | Unes | 5 | 6 | 3.000 | | 3,6/ | 50 | |
| | " | 20 | 2 | 12.000 | | 6/65 | 50 | |
| | " | 6 | 2 | | | | 50 | |
| | " | 20 | 5 | 12.000 | | 5/65 | 50 | |
| lano- | " | 10 | 3 | 6.000 | | 5/ | 50 | |
| o | | | | | | | | |
| | Soc.Terni | 13 | 2 | 6.000 | | 6/70/143 | 50 | G M |
| Torn | " | 60* | 2 | " | " | 10/155 | 45-50 | *2x30 MVA (2x27 MVA) |
| " | " | 10 | 1 | 7.000 | | 6,4/ | 45 | |
| " | " | 28 | 2 | 14.000 | | 6,4/ | 45-50 | |
| " | " | 172 | 4 | 140.000 | 1.000 | 10/73/155 | 45-50 | |

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| a | b | c | d | e | f | g | h | i | l | m |
|---|---|---|---|---|---|---|---|---|---|---|
| 208 | PAPIGNO-MELINO | 202 | Velino-Nera | Soc.Terni | 56* | 5 | 40.000 | | 6,3/66 | 45- |
| 209 | PENNAROSSA | 38 | " " | " | 17 | 2 | 8.000 | | 6,4/ | 45- |
| 210 | CERVARA | 24 | " " | " | 12 | 7 | 8.000 | | 3,7/ | 45- |
| 211 | NAHNI | 78 | " " | " | 83.000 HP * | | | | | 45- |
| 212 | NERA MONTORO | 23 | Nera | Soc.Valdarno | 24 | 4 | 12.000 | 90 | 6,5/60 | 50 |
| 213 | PROVIDENZA | 255 | Fucino-Vomano | Soc.Terni | 100 | 2 | | | 15/150/ | 45- |
| 214 | S.GIACOMO | 658 | Arno- | " | | | | | 22 0. | |
| 215 | MONTORIO VOMANO | 358 | Vomano | " | 180 | 3 | | | 15/150/22 | 45- |
| 216 | SALISANO | | Foschiera (Acq) | Az.El.Govern Roma | 41.000 HP * 26 | 2 | 16.000 | 60 | /66 | 45 |
| 217 | FARFA I | 166 | Farfa- | Soc.Romana | 24 | 3 | 15.000 | 80 | 5/66 | 45 |
| 218 | FARFA II | 56 | " Tevere | " Elet | | | | | | |
| 219 | SCALELLE | | Aniene-" | " " | 12 | 2 | | 38 | 9/66 | 45 |
| 220 | COMUNACQUA | | " " | " " | 8.000 HP* | | | | | |
| 221 | SUBIACO | 75 | " " | " " | 7.000 HP* | | | | | |
| 222 | MANDELA | 27 | " " | " " | 10 | 2 | 5.000 | | 28/ | 45 |
| 223 | CASTELMADAMA. | 40 | " " | (Az El.Govern. | 8 | 2 | 6.000 | 35 | 9/30 | 45 |
| 224 | ARCI | 20 | " " | ( Roma | 20 | 3 | 15.000 | 45 | 10/30 | 45 |
| 225 | ACQUORIA | 165 | " " | (Soc. Romana | 10 | 2 | 4.000 | | 10/30 | 45 |
| | | | | ( Elet | 70 | 9 | 55.000 | 180 | 7/66-30/66 | 45. |
| 226 | SAGITTARIO | 339 | Sagittario-Pescara | FF.SS. | 37 | 3 | 29.000 | 73 | 6/65-6/66 | 42-50 |
| 226 bis. | GIZIO | 67 | Gizio-" " | Unes. | 5 | 2 | 1.000 | | 6/ | 50 |
| 227 | TIRINO | 66 | Tirino- " | Sime-Venezia | 10* | 5 | 5.000 | | 6/ | 45 |
| 228 | PESCARA I | 28 | Pescara ) | Soc.Meridion | 12 | 2 | 9.000) | | 6/25 | 45 |
| 229 | " II | 76 | " ) | ale El. | 36 | 5 | 24.000) | 615 | 6/25-23/08x | 45 |
| 230 | " III | 48 | " | " " | 26 | 2 | 20.000) | | 6/15-25/150 / | 45 |
| 231 | " IV | 47 | " | " " | 36 | 3 | 26.000) | | 10/150 | 45-50 |

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| e | f | g | h | i | l | m | n |
|---|---|---|---|---|---|---|---|
| Soc. Terni | 56* | 5 | 40.000 | | 6,3/66 | 45-50 | *1 x 24 + 4 x 6 MVA |
| " | 17 | 2 | 8.000 | | 6,4/ | 45-50 | |
| " | 12 | 7 | 6.000 | | 3,7/ | 45-50 | |
| " | 83.000 HP * | | | | | 45-50 | *Was being built Dec.1941 |
| Soc. Valdarno | 24 | 4 | 12.000 | 90 | 6,5/60 | 50 | |
| no Soc. Terni | 100 | 2 | | | 15/150/22 0. | 45-50 | |
| " | 180 | 3 | | | 15/150/22. | 45-50 | * Was being built Dec.41 |
| " | 41.000 HP * | | | | | | |
| Az. El. Govern Roma | 26 | 2 | 16.000 | 60 | /66 | 45 | |
| Soc Romana Elet | 24 | 3 | 15.000 | 80 | 5/66 | 45 | |
| " " | 12 | 2 | | 38 | 9/66 | 45 | * Was being built Dec. 41 |
| " " | 8.000 HP* | | | | | | * Was being built Dec. 41 |
| " " | 7.000 HP* | | | | | | |
| " " | 10 | 2 | 5.000 | | 28/ | 45 | |
| (Az El. Govern. | 8 | 2 | 6.000 | 35 | 9/30 | 45 | |
| ( Roma | 20 | 3 | 15.000 | 45 | 10/30 | 45 | |
| (Soc. Romana | 10 | 2 | 4.000 | | 10/30 | 45 | |
| ( Elet | 70 | 9 | 55.000 | 180 | 7/66-30/66 | 45 | * 3x21 MVA (new plant), + 6x1,6 MVA (old plant) |
| FF. SS. | 37 | 3 | 29.000 | 73 | 6/65-6/88 | 42-50 | |
| Unes. | 5 | 2 | 1.000 | | 6/ | 50 | |
| Sime-Venezia | 10* | 5 | 5.000 | | 6/ | 45 | * 3x1,5 MVA-200 V-C.C. 2x2,5 MVA-45 |
| Soc. Meridionale El. | 12 | 2 | 9.000) | | 6/25 | 45 | |
| " " | 36 | 5 | 24.000) | 615 | 6/25-23/88* | 45 | * 3x12 MVA-6/25 ) |
| " " | 26 | 2 | 20.000) | | 6/15-25/150 / | 45 | 3x10,8 MVA-6/88) |
| " " | 36 | 3 | 26.000) | | 10/150 | 45-50 / | 1x24 MVA-6/150) 1x24 MVA 25/150) |

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| a | b | c | d | e | f | g | h | i |
|---|---|---|---|---|---|---|---|---|
| 232 | AVENTINO | 372 | Aventino-Sangro. | Soc.Meridionale El. | 12 | 2 | 8,000 | 40 |
| 233 | CANISTRO | | L.Fucino Liri. | Amm:Torlonia - Roma. | 10,000 HP | | | |
| 234 | MORINO | | Liri. | Soc.Romana Elet. | 10,000 HP | | | |
| 235 | FONTECHIA | 27 | " | " " | 6 | 3 | 4,000 | |
| 236 | CEPRANO | 49 | " | " " | 19 | 3 | 13,000 | 70 |
| 237 | PONTEFIUME | 14 | " | " " | 11 | 3 | 7,000 | 30 |
| 238 | SUIO | 9 | Garigliano | Soc.Meridionale Elett. | 12 | 3 | 10,000 | |
| 239 | CAPO VOLTURNO | 190 | Volturno | Az.Aut.Volturno | 28 | 4 | 15,000 | 60 |
| 240 | COLLI VOLTURNO | 21 | " | " " | 3 | 4 | | 7 |
| 241 | LETE | 577 | Lete-Volturno | Soc.Meridionale El. | 9 | 4 | 8,000 | |
| 242 | MATESE I | 480 | L.Mateso-" | " " | 14 | 2) | 18,000 | |
| 243 | MATESE II | 352 | " " | " " | 10 | 2) | | |
| 244 | CALORE | | Calore | " " | 23 | 2 | | |
| 245 | TUSCIANO | 284 | Tuscia no | " " | 10 | 3 | 8,000 | |
| 246 | TAMAGRO I-II | 33 182 | Tamagro | " " | 15 | 4 | | |
| 247 | GRICIGLIA | 470 | Neto | " " | 72 | 3 | ) | |
| 248 | TIMPA GRANDE | 540 | " | " " | 93 | 4 | 77,000) | 665 |
| 249 | CALUSIA | 145 | " | " " | 44 | 2 | 33,000) | |



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| c | d | e | f | g | h | i | l | m | n |
|---|---|---|---|---|---|---|---|---|---|
| 372 | Aventino-Sangro. | Soc.Meridionale El. | 12 | 2 | 8,000 | 40 | 5,5/38-5,5/30 | 45 | Destroyed |
| | L.Fucino | Amm:Torlonia - Romn. | 10,000 HP* | | | | | | * was being built Dec. 1941 |
| | Liri. | Soc.Romana Elet. | 10,000 HP* | | | | | | * was being built Dec. 1941 |
| 27 | " | " " | 6 | 3 | 4,000 | | 6,4/22 | 45 | |
| 49 | " | " " | 19 | 3 | 13,000 | 70 | 12/* | 45) | * 4x10 MVA-12/66 |
| 14 | " | " " | 11 | 3 | 7,000 | 30 | 12/* | 45) | |
| 9 | Garigliano | Soc.Meridi. Elett. | 12 | 3 | 10,000 | | 6/60 | 45 | |
| 190 | Volturno | Az.Aut.Volturno | 28 | 4 | 15,000 | 60 | 5/60 | 45 | |
| 21 | " | " " | 3 | 4 | | 7 | 5 | 45 | |
| 577 | Lete-Volturno | Soc.Meridionale El. | 9 | 4 | 8,000 | | 5/80 | 45 | |
| 480 | L.Mateso-" | " " | 14 | 2) | 18,000 | | 10/* | 45) | *4x15 MVA-60/60 |
| 352 | " " | " " | 10 | 2) | | | 10/60*/60 | 45) | Destroyed |
| | Culore | " " | 23 | 2 | | | | 45 | |
| 284 | Tuscia no | " " | 19 | 3 | 8,000 | | 9/30* | 45 | *+1x10 MVA-10/60<br>+1x10 MVA-30/60/10<br>+1x10 MVA-3/30/60<br>+2x24 MVA-60/150<br>+2x10 MVAr-SYhor cond. |
| 33 | | | 15 | 4 | | | 5/30* | 45 | * 2x4,5MVA-5/30 |
| 102 | Tamagro | " " | 72 | 3 | ) | | 10/60 | 45 | |
| 470 | Neto | " " | 93 | 4 | 77,000) | 665 | 10/150* | 45 | *+4x13 MVA-60/10 |
| 540 | " | " " | 44 | 2 | 33,000) | | 10/60 | 45 | |
| 145 | " | " " | | | | | | | |



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Declassified E.O. 12356 Section 3.3/NND No. 785019

## LIST OF MAIN THERMAL-PLANTS IN ITALY WITH MORE THAN 5.000 KVA INSTALLED.

| Name of Plant. | Utility Co. or Group. | Total Installed KVA x 1000 | No Units | KW max output in average conditions. | Prime Mover Type | Type of Fuel | Transf. Ratio KV. | F C |
|---|---|---|---|---|---|---|---|---|
| a | b | c | d | e | f | g | h | |
| MARTINETTO-Torino. | Az.El.Municip. Torino. | 24 | 5 | 17.000 | Turbines. | Coal. Pulverised coal. | 6,6/45/30 3/45 | |
| TORINO | S.I.P. | 11 | 2 | 8,000 | " | Coal | 3/ | |
| AOSTA. | Soc. Cogne. | 14 | 2 | 12,000 | " | Furnace gas Pulverised coal. | 5/ | |
| NOVARA | Edison | 18 | 1 | 14,000 | Turbine | Fuel Oil | 3,6/45 | |
| TURBIGO | S.I.P | 43 | 1 | 30,000 | " | Coal | 11/45/70 | |
| CASTELLANZA.(Varese) | Edison. | 44 | 6 | 20,000 | 5 Turbines 1 Diesel Motor | Fuel Oil | 11/ | |
| SESTO S.GIOVANNI. | Acc.e Ferr. Lombarde | 6 | 2 | 4,000 | Turbines. | Furnace Gas | 13/ | |
| PORTA VOLTA, Milano. | Edison. | 40 | 4 | 30,000 | " | Coal-Fuel oil | 3,6/ | |
| PIAZZA TRENTO Milano. | Az.El.Comun. Milano. | 45 | 4 | 32,000 | " | Coal | 6,6/ | |
| BRESCIA | Edison. | 19 | 4 | 10,000 | " | Coal-Fuel oil | 3,6/60 | |
| PORTO MARGHERA-Venezia | Adriatica. | 88 | 3 | 56,000 | " | " " " | 11,5/57,5 | |
| | | | | | | | 10,5/5 /120 | |

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OF MAIN THERMAL-PLANTS IN ITALY WITH MORE THAN 5.000 KVA INSTALLED.

| lity Co. or Group. | Total Installed KVA x 1000 | No Units | KW max output in average conditions. | Prime Mover Type | Type of Fuel | Transf. Ratio KV. | Frequ. Cycles. | Remarks. |
|---|---|---|---|---|---|---|---|---|
| b | c | d | e | f | g | h | i | j |
| .Municip. nc. | 24 | 5 | 17.000 | Turbines. | Coal. Pulverised coal. | 6,6/45/80 3/45 | 50 | |
| P. | 11 | 2 | 8,000 | " | Coal | 3/ | 50 | |
| Cogne. | 14 | 2 | 12,000 | " | Furnace gas Pulverised coal. | 5/ | 50 | |
| on | 16 | 1 | 14,000 | Turbine | Fuel Oil | 3,6/45 | 42 | |
| | 43 | 1 | 30,000 | " | Coal | 11/45/70° | 42-50 | )° See Hydro Plant No. 66 |
| on. | 44 | 6 | 20,000 | 5 Turbines 1 Diesel Motor° | Fuel Oil | 11/ | 50 | °2,2 MVA |
| Ferr. mbardo | 6 | 2 | 4,000 | Turbines. | Furnace Gas | 13/ | 42 | |
| on. | 40 | 4 | 30,000 | " | Coal-Fuel oil | 3,6/ | 42 | |
| .Comun. lano. | 45 | 4 | 32,000 | " | Coal | 6,6/ | 42 | |
| on. | 19 | 4 | 10,000 | " | Coal-Fuel oil | 3,6/60 | 42 | |
| tica. | 80 ° | 3 | 56,000 | " | " " " | 11,5/57,5 °° 10,5/50/120 | 42 | ° 2x26 MVA.- Coal. 1x36 MVA.- Fuel Oil. °° 2x22 MVA.- 11,5/57,5 2x36 MVA.- 10,5/50/120. |

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| a | b | c | d | e | f | g | h | i |
|---|---|---|---|---|---|---|---|---|
| MONFALCONE(Trieste) | Adriatica. | 5 | 2 | 4.000 | Turbines. | Coal. | 10/ | 42 |
| FIUME. | Az.El.Muncip. Fiume. | 10 | 3 | 6.000 | " | Arsa Coal. | 5/ | 42 |
| SAVONA. | Edison. | 45 | 6 | 14.000 | " | Coal | 5,2/ 3,3/ | 3,3 16,7 |
| SAMPIERDARENA (Genova) | " | 45 | 7 | 16,000 | " | " | 3/ | 50 |
| CONCENTER-Genova. | " | 65 | 2 | 53,000 | " | " | 8,5/62/ 133 | 42-5 |
| CHIAPPELLA " | FF.SS | 12 | 2 | 5,000 | " | " | 4/ | 16,7 |
| PIACENZA. | Edison. | 40 | 2 | 36,000 | " | Fuel Oil | 6,5/70/ 120 | 42 |
| MODENA | Az.El.Municip. Modena | 5 | 3 | 4.000 | Diesel Motors | " " | 5/ | 42 |
| PIANTA-Spezia | Edison | 15 | 4 | 11.000 | Turbines | Coal-Fuel Oil. | 8/ | 42 |
| RIFREDI(Firenze) | Soc.Valdarno | 9 | 1 | 8.000 | Steam engine | Lignite-coal Fuel Oil. | 5,2/ | 5 |
| MARZOCCO-Livorno. | Soc.El.Liter. Tosc. | 52 | 3/6 | 42.000 | Turbines | Pulverized coal. | 5/30/60° 5/60/120 | 5 |
| CA STELNUOVO del (ARSABBIONI) | Soc. Valdarno | 25 | 6 | 18,000 | 1 Steam Engine. 5 Turbines. | Lignite. | 6/ | 5 |
| LARDERELLO (Pisa) | Soc.Boracifera+ FF.SS. | 77° | 8 | | Turbines. | Geyser Steam (natural) | 9/135 | 5 |
| CASTEL DEI SOFFIONI | " " | 135 | 11 | | " | | 9/134 | |
| ANCONA. | Unes. | 5 | 2 | 4,000 | " | Fuel Oil | 5/ | |
| PIOMBINO(Livorno) | Ilva | 9 | 4 | 7,000 | 1 Gas engine 3 Turbines. | Furnace gas. | 3/ | |
| PORTO FERRAIO (Elva) | " | 11 | 13 | 8.000 | 7 Gas motors | " " | 250-500 cc | |
| | | | | | 2 Gas engines | " " | " " " | |
| | | | | | 3 Gas motors | " " | 5/ | |
| | | | | | 1 Gas engine | " " | 5/ | |
| S. PAOLO - Roma. | Soc.Romana Elettr. | 36 | 3 | 30.000 | Turbines. | Pulverized coal. | 8,4/60 | |

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| c | d | e | f | g | h | i | j |
|---|---|---|---|---|---|---|---|
| 5 | 2 | 4.000 | Turbines. | Coal. | 10/ | 42 | |
| 10 | 3 | 8.000 | " | Arsa Coal. | 5/ | 42 | |
| 45 | °6 | 14.000 | " | Coal | 5,2/ 3,3/ | 3,3/ 16,7 | °2x9,5 MVA - 16,7 |
| 45 | 7 | 16,000 | " | " | 3/ | 50 | |
| 65 | 2 | 53,000 | " | " | 8,5/62/ 133 | 42-50 | |
| 12° | 2 | 5,000 | " | " | 4/ | 16,7 ° | |
| 40 | 2 | 36,000 | " | Fuel Oil | 6,5/70/ 120 | 42 | |
| 5 | 3 | 4.000 | Diesel Motors | " " | 5/ | 42 | |
| 15 | 4 | 11.000 | Turbines | Coal-Fuel Oil. | 8/ | 42 | |
| 9 | 1 | 3.000 | Steam engine | Lignite-coal Fuel Oil. | 5,2/ | 50 | |
| 52 | 3/6 | 42.000 | Turbines | Pulverized coal. | 5/30/60° 5/60/120 | 50 | ° 2x6,8 MVA- 5/30/60 2x18 MVA- 5/60/120 |
| 25 | 6 | 18,000 | 1 Steam Engine. 5 Turbines. | Lignite. | 6/ | 50 | |
| 77° | 8 | | Turbines. | Geyser Steam (natural) | 9/135 | 50 | °)4x4,25 MVA + 4x15 MVA+ |
| 135 | 11 | | " | | 9/134 | 50 | 9) 7x15 MVA 4x30 MVA |
| 5 | 2 | 4,000 | " | Fuel Oil | 5/ | 50 | |
| 9 | 4 | 7,000 | 1 Gas engine 3 Turbines - | Furnace gas. | 3/ | 50 | |
| 11 | 13 | 8.000 | 7 Gas motors | " " | 250-500 cc | - | |
| | | | 2 Gas engines | " " | " " " | - | |
| | | | 3 Gas motors | " " | 5/ | 25 | |
| | | | 1 Gas engine | " " | 5/ | 25 | |
| 36 | 3 | 30.000 | Turbines. | Pulverized coal. | 8,4/60 | 45 | |

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| a | b | c | d | e | f | g | h | i | |
|---|---|---|---|---|---|---|---|---|---|
| MONTEMARTINI-Rome. | Az.El.Gover-nat. Rome | 32 | 6 | 20.000 | 3 Turbines 3 Diesel motors. | Coal Fuel Oil. | 8,5/6 | 45 | 6 1x M 1x M 2/ |
| C.FURNO-Napoli | Soc.Merid - ionale El. | 60 | 3 | 45,000 | Turbines. | Coal. | 9,5/60 | 45 | 2x 2/ |
| DOGLIELLA-Napoli. | Az.Aut. Volturno | 14 | 5 | 10.000 | Diesel motors | Fuel Oil | 8,6/6 | 45 | 6 2 |
| BAGNOLI, Napoli | Ilva. | 5 | 6 | 4.000 | 4 Gas motors. 2 Gas engines | Furnace gas | 600 V-CC- | | oo 3 |



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| c | d | e | f | g | h | i | j |
|---|---|---|---|---|---|---|---|
| 32 | 6 | 20.000 | 3 Turbines<br>3 Diesel motors. | Coal<br>Fuel Oil. | 0,5/60 | 45 | 1x7,5 + 2x3,5 MVA-Turbines.<br>1x1,7 + 2x7,5 MVA-Diesel M. |
| 6 | 3 | 45,000 | Turbines. | Coal. | 9,5/60 | 45 | 2x20 MVA - 2/60 |
| 14 | 5 | 10.000 | Diesel motors | Fuel Oil | 6,6/60 | 45 | 2x4,9 + 3x1,4 MVA |
| 5 | 6 | 4.000 | 4 Gas motors.<br>2 Gas engines | Furnace gas | 600 V-60- | | 3x6 MVA |



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Declassified E.O. 12356 Section 3.3/NND No. 785019

HEADQUARTERS
ALLIED CONTROL COMMISSION
Public Works and Utilities Sub-Commission
APO 394

WAL/mc

ACC/PWU/PWU

4 April 1944

SECRET

Subject: Pescara Electrical Plant.

To : V.P. Economic Section.

Attached report received from Captain Laughlin of the Electrical Division of the Public Works and Utilities Sub-Commission A.C.C., who is at present in the Bari Area in connection with the allocation of electrical energy.

This is forwarded to you for information.

W.M. LAPPER,
Lt.-Colonel,
Chief, El. & Adm. Div.

Copy to:

D.D.W.
F.B.S.
Col. Crowden
Reg. II
" III
" IV

7395

Declassified E.O. 12356 Section 3.3/NND No. 785019

CONFIDENTIAL

SUBJECT:- Demolition of Electric Supplies

Headquarters
A. A. I.

2533/2/RE.

3 April '44

CE 5 Corps
Central Electric Board

Herewith report of demolitions prepared or carried out, of hydro-electric plants and grid lines in the PESCARA area.

The information has been given by an employee of the Societa Meridionale Elettricita who is now in BARI, but was until recently near PESCARA.

D. E. Bayley

Major, RE,
for Brigadier,
Chief Engineer

Copy to:- GSI(a)
Special Ops

A. A. I.
OFFICIAL
9/ 5/4/44
CENTRAL
BOARD

Declassified E.O. 12356 Section 3.3/NND No. 785019

SUBJECT: Power Station at TARANTA DI PALIGNA

14 C.E. Works
No. 2 District H.Q.
Tel. No. 11422
Ref No. CE/113/4

5 Apr 44.

DDW(AAI Adv Adm Sch)

Herewith translation of letter received by CRE 69 Airfield Const. Group from Sig. Rusciano U.N.E.S. Manager at Lanciano dated 11 Mar:

"Yesterday at Lama di Paligno we have obtained information concerning the state of the Power Station at TARANTA di PALIGNA.

Machinery and buildings were completely destroyed and also a part of the hydraulic installation.

The personnel have been evacuated and employed on another S.M.E. station on the River Pescara.

We shall be obliged if you will communicate the above report to the S.M.E. Manager at NAPLES via ENRIANI or Head Officer S.G.P.E., BARI."

C.R.E. 69 Airfield Const. Group adds that the above report seems to be confirmed by aerial photographs of TARANTA shown to E & M.O. by C.E. 5 Corps.

(Sgd) ???? Capt
for Brigadier
Chief Engineer.

Copy to: S.G.P.E. Bari for Ing. Ortensi.

G.79-15/18

739

507 hut Dec 22 *
1st Bn US Engrs
Geologist

# U. S. SECRET
Equals British SECRET

* NRE
[a] Area given for flooding of Rieti plain agreed closely with AFHQ estimate
[b] Area for Terni flooding exceed AFHQ estimate
[c] Unfortunately, 1:25000 maps do not exist for Rieti-Terni area
Dec 23/4

ALLIED FORCE HEADQUARTERS,
G-2 (ADVANCED INTELLIGENCE),
c/o Peninsular Base Section,
NAPLES.

* B/F
[a] AFHQ report on Terni flood (ref 1:25000 maps (1 sheet) of Terni plain
LC/eme. Rieti

2nd April 1944.

INTELLIGENCE REPORT No.D-34.

Map:Ref: ITALY 1:50,000, Sheets 138 II-RIETI,
138 IV-TERNI,
145 IV-FIANICNANO,
144 I-FARA IN SABINA.

- - - - - - - - - - - -

The following information on the flooding that would result if the TURANO and SALTO dams were destroyed has been obtained from Engineers of the Società Meridionale Elettricità.

The calculations made are only approximate owing to the lack of large scale maps, and tend to err in excess. That is, they represent the flooding that would result under the worst possible circumstances.

A. TURANO Dam (Sheet 144 1, 127035).

1. The R.TURANO is a tributary of the R.VELINO. By building a dam across the high valley through which the TURANO runs (in the vicinity of POSTICCIOLE) a reservoir of 140 million cubic metres capacity has been created.

2. Beyond POSTICCIOLE the river-bed runs along a narrow valley flanked by mountains, for a distance of 25 Kms. This valley is at the same height as the RIETI plain for about 10 Kms of its length.

3. The destruction of the dam wall at POSTICCIOLE would cause a flood of water of considerable force. The configuration of the terrain would keep the flood within the narrow valley up to the RIETI plain. From that point on there would be considerable flooding.

4. The maximum area of the plain that would be submerged would obviously depend on the maximum level of the water at the point where the narrow valley of the TURANO enters the RIETI plain. This in turn depends on the maximum discharge

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Map Ref: ITALY 1:50,000, Sheets 138 II-RIETI,
138 IV-TERNI,
145 IV-FIANICNANO,
144 I-FARA IN SABINA.

---

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3. The destruction of the dam wall at POSTICCIOLE would cause a flood of water of considerable force. The configuration of the terrain would keep the flood within the narrow valley up to the RIETI plain. From that point on there would be considerable flooding.

4. The maximum area of the plain that would be submerged would obviously depend on the maximum level of the water at the point where the narrow valley of the TURANO enters the RIETI plain. This in turn depends on the maximum discharge of water from the dam.

5. The maximum discharge of water from the dam has been calculated as follows:

Supposing the dam wall is completely destroyed, the first rush of water into the river bed reaches a height of 68 metres, causing a consequent increase in the level of water in the river-bed as it goes downstream. On the other hand, with the increase in the level of the water in the river-bed the height of the wave rushing from the dam decreases and consequently the flow of water is diminished.



U. S. SECRET
Equals British SECRET

Declassified E.O. 12356 Section 3.3/NND No. 785019

U. S. SECRET
Equals British SECRET

The relation between the discharge from the reservoir and the flow of water into the river bed will give the maximum strength of the flood (since the flow of water into the river bed will necessarily diminish as the level of water in the reservoir drops).

Having determined the maximum discharge(=Q) of water from the reservoir by the formula :-

$$Q = 0{,}45\ S\sqrt{2g\,(68-h)}$$

and the flow (= q) in the river (Bazin's formula) :-

$$q = \frac{87}{1+\frac{1{,}75}{\sqrt{R}}}\ F\sqrt{R\,I}$$

where -

S = Cross section area of dam.
F = Cross section area of river.
I = Gradient of river.
R = hydraulic radius = $\frac{\text{cross section area}}{\text{wetted perimeter}}$

Generally speaking - Q = q

The graphic solution of the above expressions shows a maximum flood discharge of 78,000 cubic metres per second.

6. On the other hand, a curve drawn in accordance with the above computed discharge in a section of the river in the vicinity of the KHETI plain, shows that the maximum discharge of 78,000 cubic metres per second corresponds to a height of water of about 20 metres above the bed of the river.

7. This height of 20 metres from the river bed represents the maximum expected flooding as a consequence of the destruction of the TURANO dam. The area that would be covered (about 90 square Kms) is shown in Appendix "A".

8. It should be borne in mind that the result thus obtained pre-supposes - (a) that the reservoir is full; (b) that the dam wall is completely removed, which, of course, in practice it could never be, even with the most elaborate system of mining. Since the normal flow of water in the River TURANO is never very large it can be disregarded. It should also be borne in mind that - (c) the area shown in Appendix "A"

Declassified E.O. 12356 Section 3.3/NND No. 785019

and the flow (= q) in the river (Bazin's formula) :-

$$q = \frac{87}{1 + \frac{1,75}{\sqrt{R}}} \; F \sqrt{R\,I}$$

Where -

S = Cross section area of dam.
F = Cross section area of river.
I = Gradient of river.
R = hydraulic radius = $\frac{\text{cross section area}}{\text{wetted perimeter}}$

Generally speaking - Q = q

The graphic solution of the above expressions shows a maximum flood discharge of 78,000 cubic metres per second.

6. On the other hand, a curve drawn in accordance with the above computed discharge in a section of the river in the vicinity of the KHETI plain, shows that the maximum discharge of 78,000 cubic metres per second corresponds to a height of water of about 20 metres above the bed of the river.

7. This height of 20 metres from the river bed represents the maximum expected flooding as a consequence of the destruction of the TURANO dam. The area that would be covered (about 90 square Kms) is shown in Appendix "A".

8. It should be borne in mind that the result thus obtained pre-supposes - (a) that the reservoir is full; (b) that the dam wall is completely removed, which, of course, in practice it could never be, even with the most elaborate system of mining. Since the normal flow of water in the River TURANO is never very large it can be disregarded. It should also be borne in mind that - (c) the area shown in Appendix "A" pre-supposes that water will flood this entire area due to the fact that the normal channel has a very gentle slope and will not be able to handle the entire volume immediately.

An idea of the situation which would probably develop in a very short space of time, can be had when it is considered that were all the water in the reservoir to be spread over plain, it would only cover one third of the area shown in Appendix "A".

(Note: The lack of large scale maps does not allow this small area to be shown. The area indicated in Appendix "A" is the area in which the flooding would cause more or serious destruction).



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U. S. SECRET
Equals British SECRET

B. SALTO Dam. (Sheet 145 IV, 210079)

1. The River SALTO is a tributary of the River VELINO. By building a dam across the high valley through which the SALTO runs (in the vicinity of S.LUCIA) a reservoir of 250 million cubic metres capacity has been created. The course of the River SALTO is flanked by mountains for a distance of 20 Kms, up to the point where it joins the River VELINO

2. In the event of the SALTO dam being completely demolished the flood-water would be contained by the valley up to the junction with the River VELINO, where the water would flood the countryside.

3. The flood levels of the water and the area of country flooded have been calculated in the same way as for the TURANO. The maximum area that could be flooded is shown in Appendix "B". The amount of water in the SALTO reservoir is greater than that in the TURANO. Thus the spread of the water in the SALTO reservoir over the RIETI plain, neglecting, as before, the small proportion of the flow which would immediately go downstream, would cover a slightly larger area than the water of the TURANO reservoir (that is, about $\frac{1}{5}$ of the area shown in Appendix "B").

C. SALTO and TURANO.

1. In the event of both the dams being demolished at the same time the amount of water flooding the RIETI plain would, of course, be equal to the combined capacities of both dams. Since the height of the flood water above the river bed is about the same in the case of both rivers, the area flooded would not be changed (except, of course, for the greater destruction caused by the greater force of the waters).

Obviously the proportion of the plain in which the waters would remain until they were gradually dispersed would be greater.

7397

2. It is more difficult to calculate what would happen down-stream in the RIETI plain.

The water would be partly absorbed by the earth (which has a high permeability - 70%) and partly would flow in the River VELINO. The flow of the River VELINO would

Declassified E.O. 12356 Section 3.3/NND No. 785019

flood the countryside.

3. The flood levels of the water and the area of country flooded have been calculated in the same way as for the TURANO. The maximum area that could be flooded is shown in Appendix "B". The amount of water in the SALTO reservoir is greater than that in the TURANO. Thus the spread of the water in the SALTO reservoir over the RIETI plain, neglecting, as before, the small proportion of the flow which would immediately go downstream, would cover a slightly larger area than the water of the TURANO reservoir (that is, about 5/4 of the area shown in Appendix "B").

C. SALTO and TURANO.

1. In the event of both the dams being demolished at the same time the amount of water flooding the RIETI plain would, of course, be equal to the combined capacities of both dams. Since the height of the flood water above the river bed is about the same in the case of both rivers, the area flooded would not be changed (except, of course, for the greater destruction caused by the greater force of the waters).

Obviously the proportion of the plain in which the waters would remain until they were gradually dispersed would be greater.

7392

2. It is more difficult to calculate what would happen down-stream in the RIETI plain.

The water would be partly absorbed by the earth (which has a high permeability - 70%) and partly would flow into the River VELINO. The flow of the River VELINO would undoubtedly reach a very high level. Be it noted in this connection that beyond the RIETI plain the River VELINO runs in a narrow valley up to its junction with the River NERA, which, also in a narrow valley, flows over the MARMORE waterfalls. In the vicinity of the TERNI the ground again becomes flat and consequently more flooding would result.

3. The extent of this flooding has been calculated on basis of the information contained in the publication of the Ministry of Public Works "Piena dei corsi d'acqua italiani Assuming the rate of flow during a flood to be 5,000 cubic metres per second, the area that would be flooded is shown in Appendix "C".



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4. Beyond this plain the River NERA runs in a valley up to its junction with the River TIBER which follows the valley up to the outskirts of ROME where the levels begin. Be it noted that the above flow of 5,000 cubic metres per second is much greater than the rate of flow during the periods of the greatest floods that there have been in the lower course of the River TIBER (3,300 cubic metres per second) and consequently would constitute a danger even for the city of ROME.

5. It is clear that the seriousness of the floods will depend largely on the height of the water in the rivers when the dams are destroyed.

COMMENT: While it is recognised that this report is of a very general nature, it is passed on in case it should contain items of interest.

/Brunt

1 - R.J.C.CAVE,
Major, G.S.,
Comma nding.

DISTRIBUTION:

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GSI., A.A.I.
M.A.A.F., CIO.
J.I.C.A., Naples.
Allied Control Commis sion,
Information Division.
G-2, P.B.S.
File.



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COMMENT: While it is recognised that this report is of a very general nature, it is passed on in case it should contain items of interest.

/s/ R.J.C.CAVE,
Major, G.S.,
Comma nding.

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G-2, P.B.S.
File.



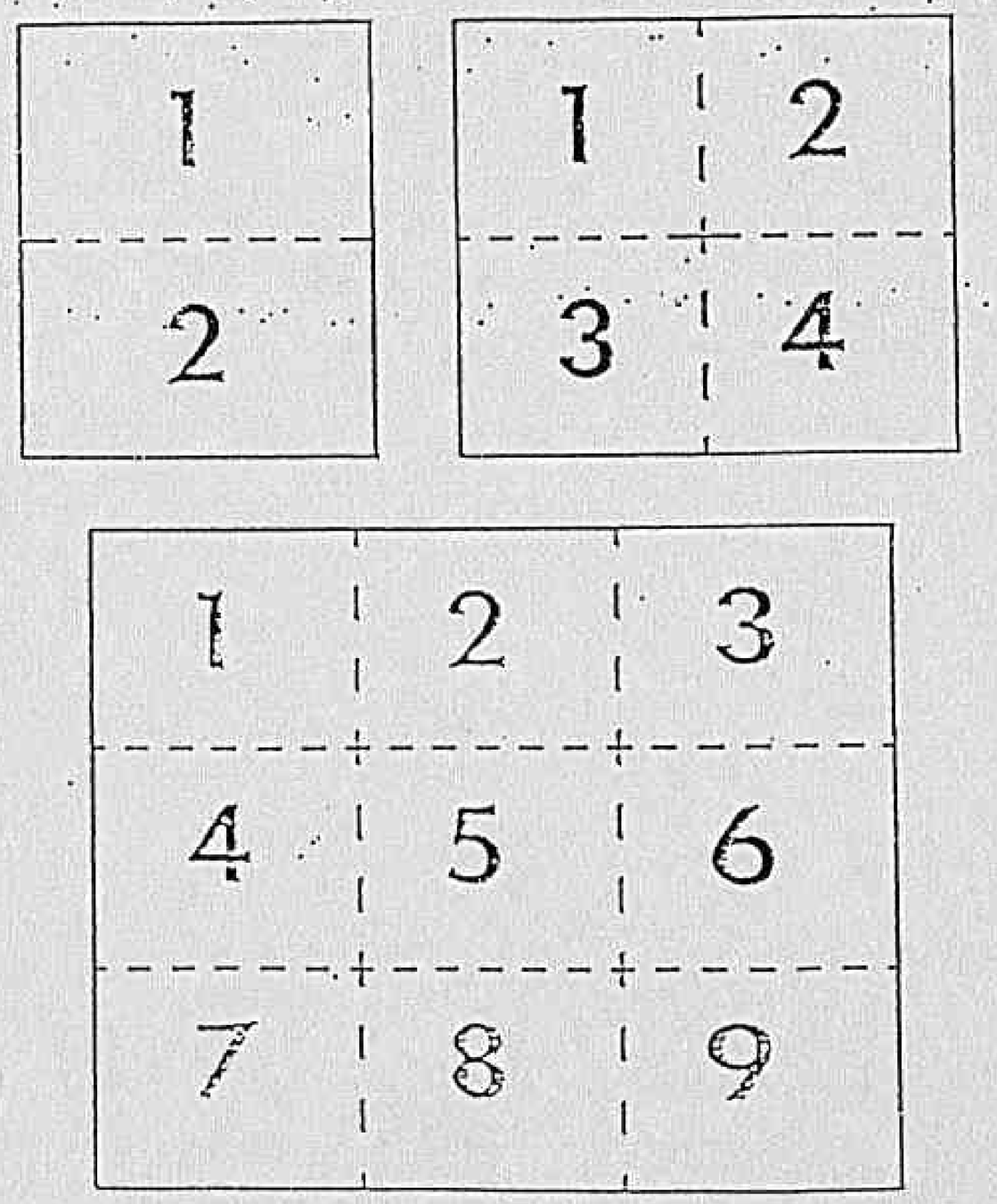
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Declassified E.O. 12356 Section 3.3/NND No. 785019

MAPS AND CHARTS TOO LARGE TO FILM ON ONE EXPOSURE ARE FILMED CLOCKWISE BEGINNING IN THE UPPER LEFT CORNER, LEFT TO RIGHT, AND TOP TO BOTTOM.

SEE DIAGRAMS BELOW.



2 2 7 5

Declassified E.O. 12356 Section 3.3/NND No. 785019

# ITALY 1:50,000

594.000m.E. 95 96 97 98 99 600 01 02

933.000m.N. 32 31 30 29 28 27 26 25 24 23

0°15' 0°16' 0°17' 0°18' 0°19' 0°20' 0°21'

42°30' 42°29' 42°28' 42°27' 42°26' 42°25'

Colli di Labro
M. Cuigo
Montagnola
Colle Sasso
Le Callie
Le Vadole
M. Calvario
Trivio
Le Rocchette
Le Rocce
Le Ciarle
Le Chiuse
Le Case Nuove
Le Case Vecchie
Le Case Sparse
Le Case

Declassified E.O. 12356 Section 3.3/NND No. 785019

# RIETI

FIRST EDITION

SHE

99 00 01 02 03 04 05 06 07 08 09 10 11 12

0°19 0°20 0°21 0°22 (Ferentillo) 0°23 0° 0°25 0°26 0°27 0°28

A B

Colli di Labro

M. Gatendo

Monte Calvo

Monte Nuria

Monte Terminillo

Monte Elefante

Monte Giano

Monte Cambio

Monte Tancia

Monte Pizzuto

Monte Macchia

Monte Navegna

Monte Cervia

Monte Pozzoni

Monte Pellecchia

Monte Cervia

Monte Pozzoni

Monte Pellecchia

Monte Cervia

Monte Pozzoni

Monte Pellecchia

Declassified E.O. 12356 Section 3.3/NND No. 785019

# SHEET 138 II.




3°56' 1942

True North — Magnetic North

*Annual Change about 8' E.*

*CONVERGENCE*

*At the West edge of this sheet Grid N. is 0°50' West of True N.*

*At the East edge of this sheet Grid N. is 0°40' West of True N.*

TO GIVE A GRID REFERENCE ON THIS SHEET
Use only LARGER Grid figures viz ..... 64

POINT C. BLASETTI

LETTER. *From face of map* ..... B

EASTINGS.

*Take figure of West edge of small square in which point lies* 03
*Estimate tenths eastwards* ..... 2
032

NORTHINGS

*Take Figure of South edge of small square in which point lies* 21
*Estimate tenths northwards* ..... 8
218

REFERENCE ..... B 032218

Unit ...metre Square ...1,000 Reference to nearest...100

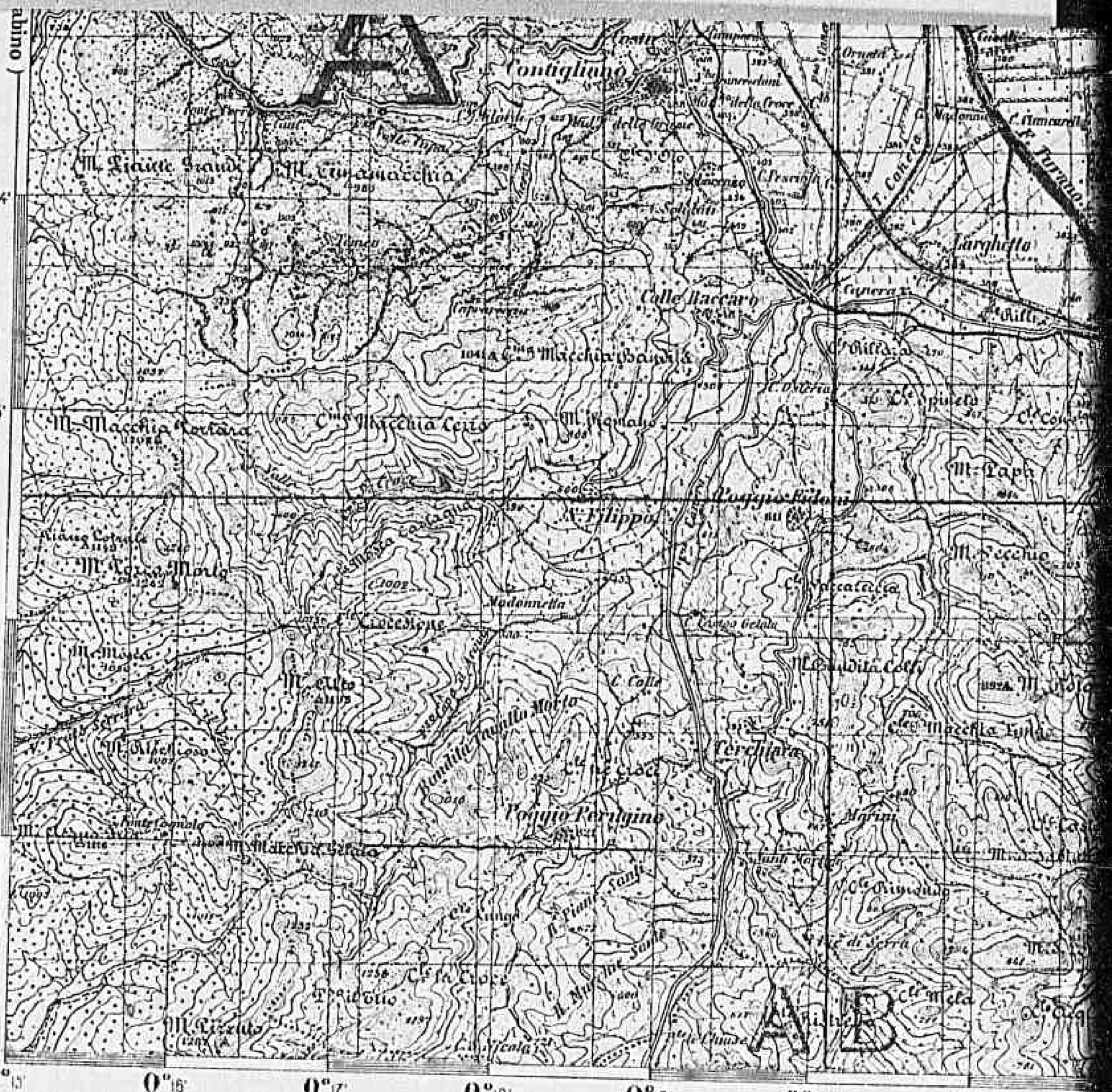
GRID DATA

*Projection of Grid* ..... *Lambert Conical Orthomorphic.*
*Spheroid* ..... *Bessel.*
*Origin* ..... *39°30'N., 14°E of Greenwich.*
*False Co-ordinates of Origin* ..700,000m.E., 600,000m.N.

## REFERENCE

*Railway, two or more tracks with station*
*" single track and electrified* — Under Constr.
*" narrow gauge or Tramway*
*Tram lines on a road*
*Cable railway*
*Metalled Roads: Autostrada* — Under Constr.
*Main (generally over 8m. wide)*
*Secondary ( " 6-8m. wide)*
*Other Roads ( " 3-6m. wide)*
*Other Roads, non-metalled*
*Cart roads*
*Mule tracks*
*Paths*
*Boundaries, state*
*" province*
*" district*
*" commune*
*Canal* — Over 3m. wide — Under 3m.
*Aqueduct and Irrigation Canals* — Underground
*Wells, perennial, non-perennial*

Declassified E.O. 12356 Section 3.3/NND No. 785019



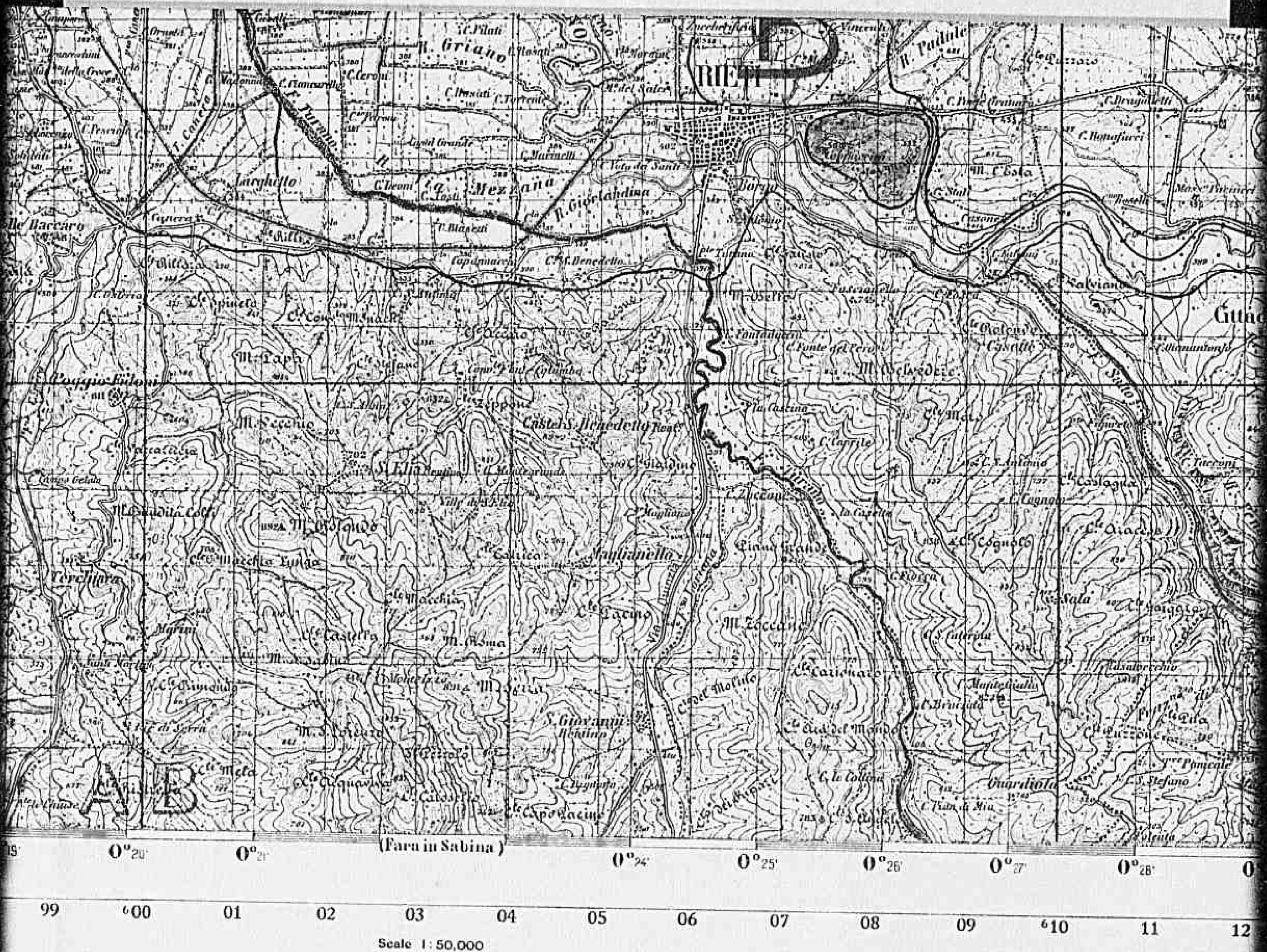

Geographical Section, General Staff. No. 4229.
War Office. 1942.

Yards 1000 500 0 1

Metres 1000 500 0 1

To obtain longitud

Declassified E.O. 12356 Section 3.3/NND No. 785019




Scale 1 : 50,000

Yards 1000 500 0 1 2 3 4 Miles

Metres 1000 500 0 1 2 3 4 5 6 Kilometres

Contours at 50m. interval

Copied from an Ital
Photolithographed b

*To obtain longitude value from Greenwich add 12°27'7·1"*

Declassified E.O. 12356 Section 3.3/NND No. 785019

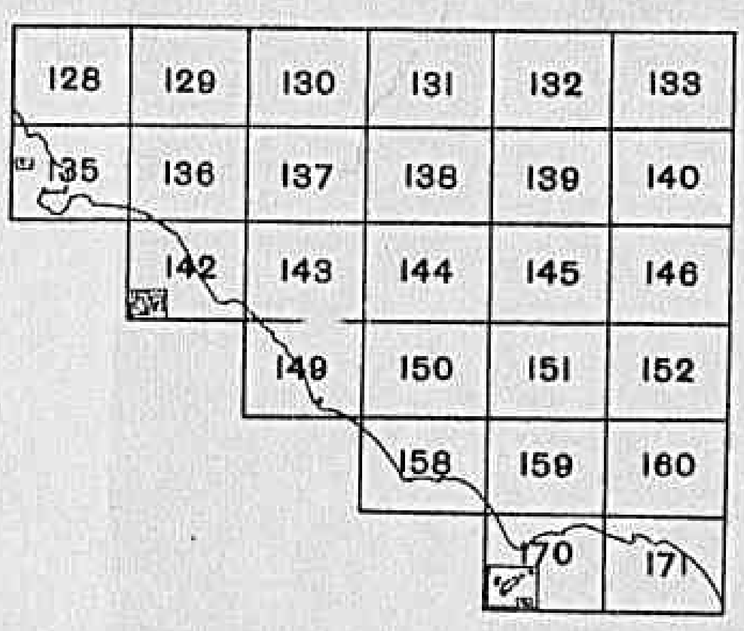



Copied from an Italian map dated 1907
Photolithographed by O.S.

Boundaries, state
" province
" district
" commune
Canal — Over 3m wide — Under 3m
Aqueduct and Irrigation Canals — Underground
Wells, perennial, non-perennial
Marsh and Swamp
Church. Chapel. Cemetery
Lighthouse
Radio Telegraph Station
Mine
Factory
Power Station
Electric Power Line
Trigonometrical points ▲170
Heights in metres 160
Cliffs
Road Gradients 7·12% over 12%

## INDEX TO SHEETS

SHEET LINES OF 1:100,000 SERIES
on which 1:50,000 and 1:25,000 series are based



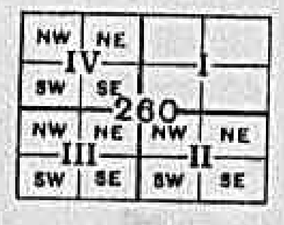

Four 1:50,000 sheets go to one 1:100,000 sheet
" 1:25,000 " " " 1:50,000 "

Sheet numbers on 1:50,000 are 1:100,000 numbers followed by IV or I / III or II

" " 1:25,000 " 1:50,000 " " " NW or NE / SW or SE

Example

1:50,000 sheet.....260-I.
1:25,000 " .....260-II·NW



Declassified E.O. 12356 Section 3.3/NND No. 785019

ITALY 1:50,000

NOT TO BE PUBLISHED

IRIE

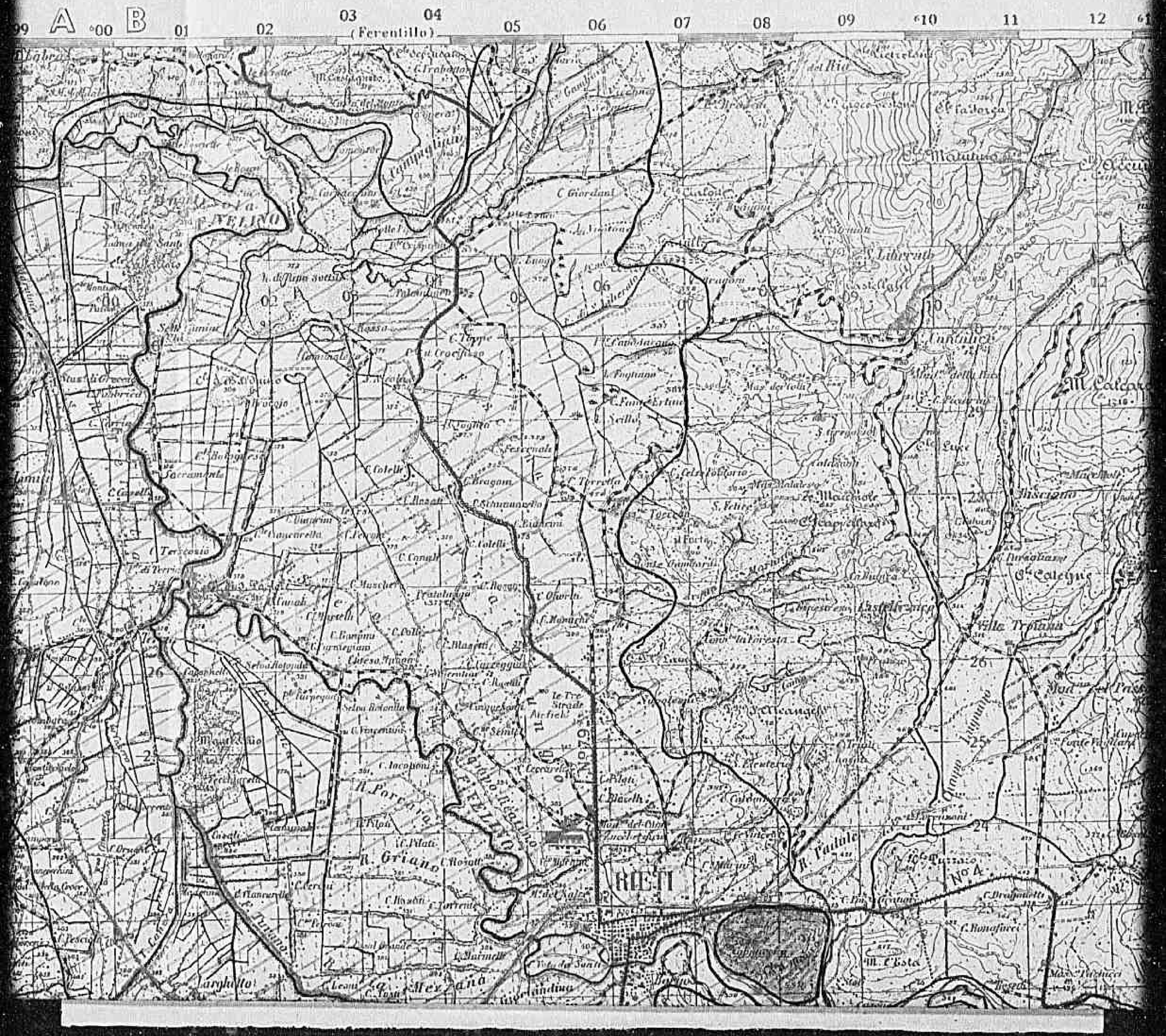


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E PUBLISHED

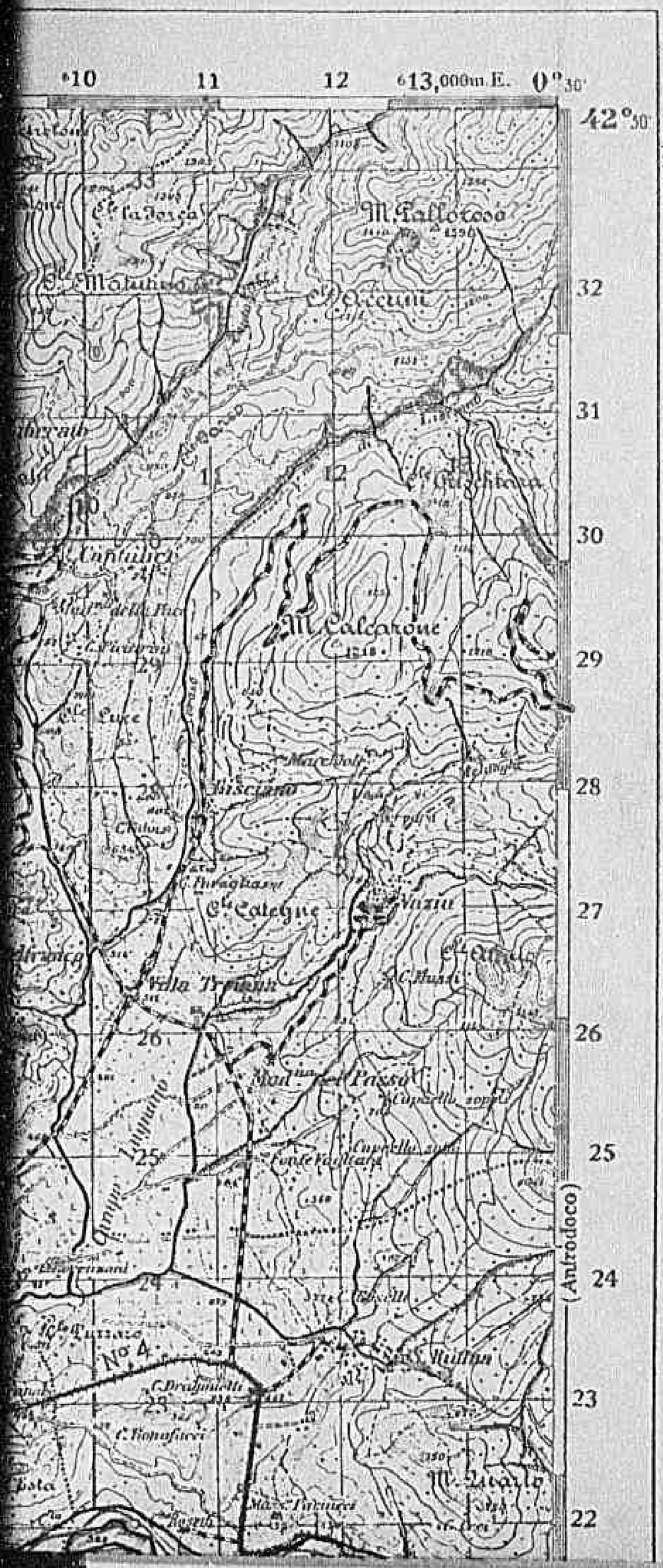
# RIETI

THIRD EDITION (COLOURED) SHEET



Declassified E.O. 12356 Section 3.3/NND No. 785019

OLOURED) SHEET 138 II.




REFER TO THIS MAP AS:
1:50,000 ITALY Sheet 138 II RIETI

SOUTH ITALY GRID

A.F. 2925

TO GIVE A GRID REFERENCE ON THIS SHEET
*Pay no attention to the smaller co-ordinate figures at the corners and in margins. They are for finding full co-ordinates.*

PAY ATTENTION TO LARGER MARGINAL FIGURES AND TO THOSE PRINTED ON THE FACE OF THE MAP.

POINT C. BLASETTI 032218

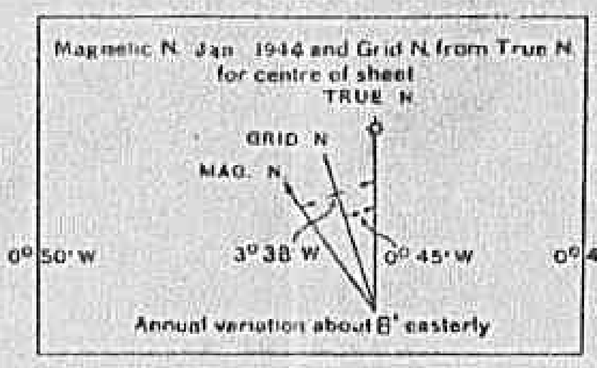
| East | | North | |
|---|---|---|---|
| *Take west edge of square in which point lies and read the figures printed opposite this line on north or south margin or on the line itself (on the face of the map)* | 03 | *Take south edge of square in which point lies and read the figures printed opposite this line on east or west margin or on the line itself (on the face of the map)* | 21 |
| *Estimate tenths eastwards* | 2 | *Estimate tenths northwards* | 8 |
| East | 032 | North | 218 |

*Nearest similar reference on this Grid is 100 Km. distant*
*This sheet falls in grid letters* A E B

GRID DATA

| | |
|---|---|
| *Projection of Grid* | *Lambert Conical Orthomorphic* |
| *Spheroid* | *Bessel* |
| *Origin* | *39°30'N., 14°E. of Greenwich* |
| *False Co-ordinates of Origin* | *700,000m E. 600,000m N.* |

CONVERGENCE FOR CENTRE OF EAST AND WEST EDGES OF THIS SHEET



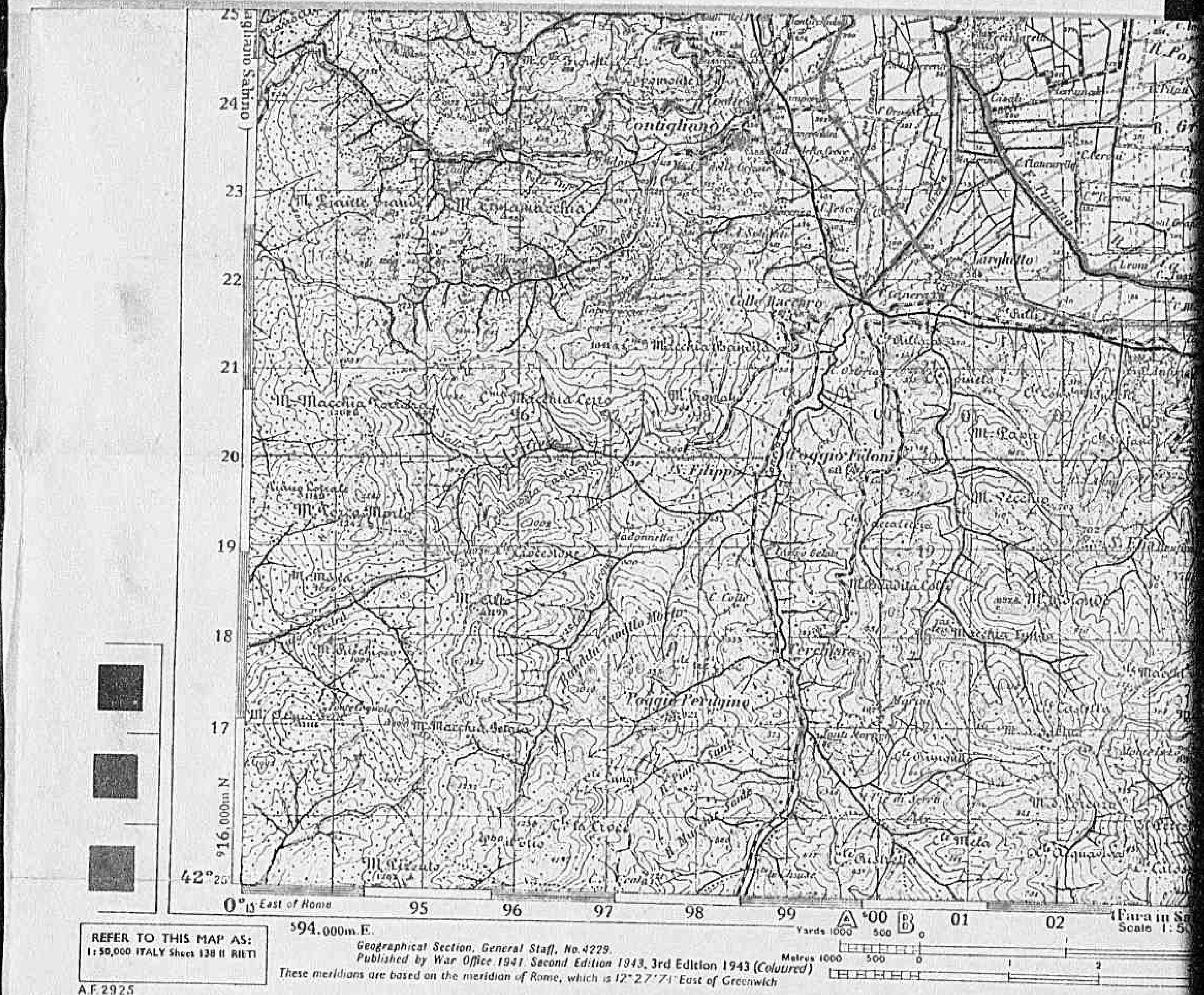

## REFERENCE

| | |
|---|---|
| *Railway, two or more tracks with station* | |
| *" single track and electrified* | |
| *" narrow gauge or Tramway* | |
| *Tram lines on a road* | |
| *Cable railway* | |
| *National Highways (Autostrade) 8 Metres wide, metalled* | (2-way M.T.) |
| *Main Roads (Strade Statali with route numbers), 6 Metres wide or over, metalled* | (2-way M.T.) |
| *Other Main Roads (Strade di grande comunicazione), 5 metres wide or over, metalled* | (Mostly 2-way M.T.) |
| *Secondary Roads, 3-5 Metres wide, generally metalled* | (1-way M.T.) |
| *Other Roads and Cart Tracks, generally unmetalled* | |
| *Mule Tracks* | |
| *Paths* | |
| *Boundaries, state* | |
| *" province* | |
| *" district* | |
| *" commune* | |
| *Canal* | |
| *Aqueduct and irrigation canals* | |
| *Wells, perennial, non-perennial* | |
| *Marsh and Swamp* | |
| *Church, Chapel, Cemetery* | |
| *Lighthouse* | |
| *Radio Telegraph Station* | |
| *Mine* | |
| *Factory* | |
| *Power Station* | |
| *Electric Power Line* | |

Nº 133

*Road classification is NOT based on importance, reliability is uncertain*

Declassified E.O. 12356 Section 3.3/NND No. 785019



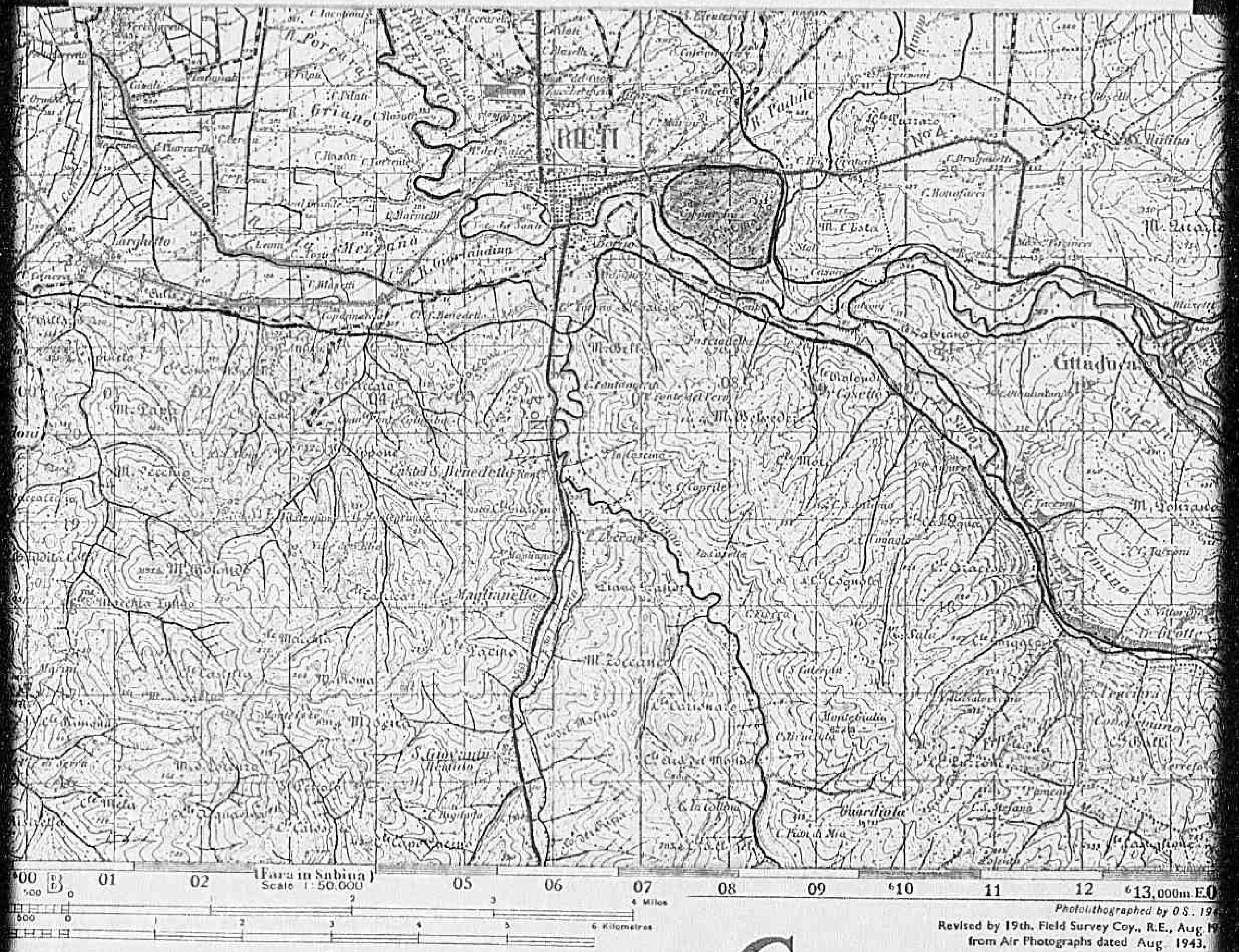

REFER TO THIS MAP AS:
1:50,000 ITALY Sheet 138 II RIETI

A.F.2925

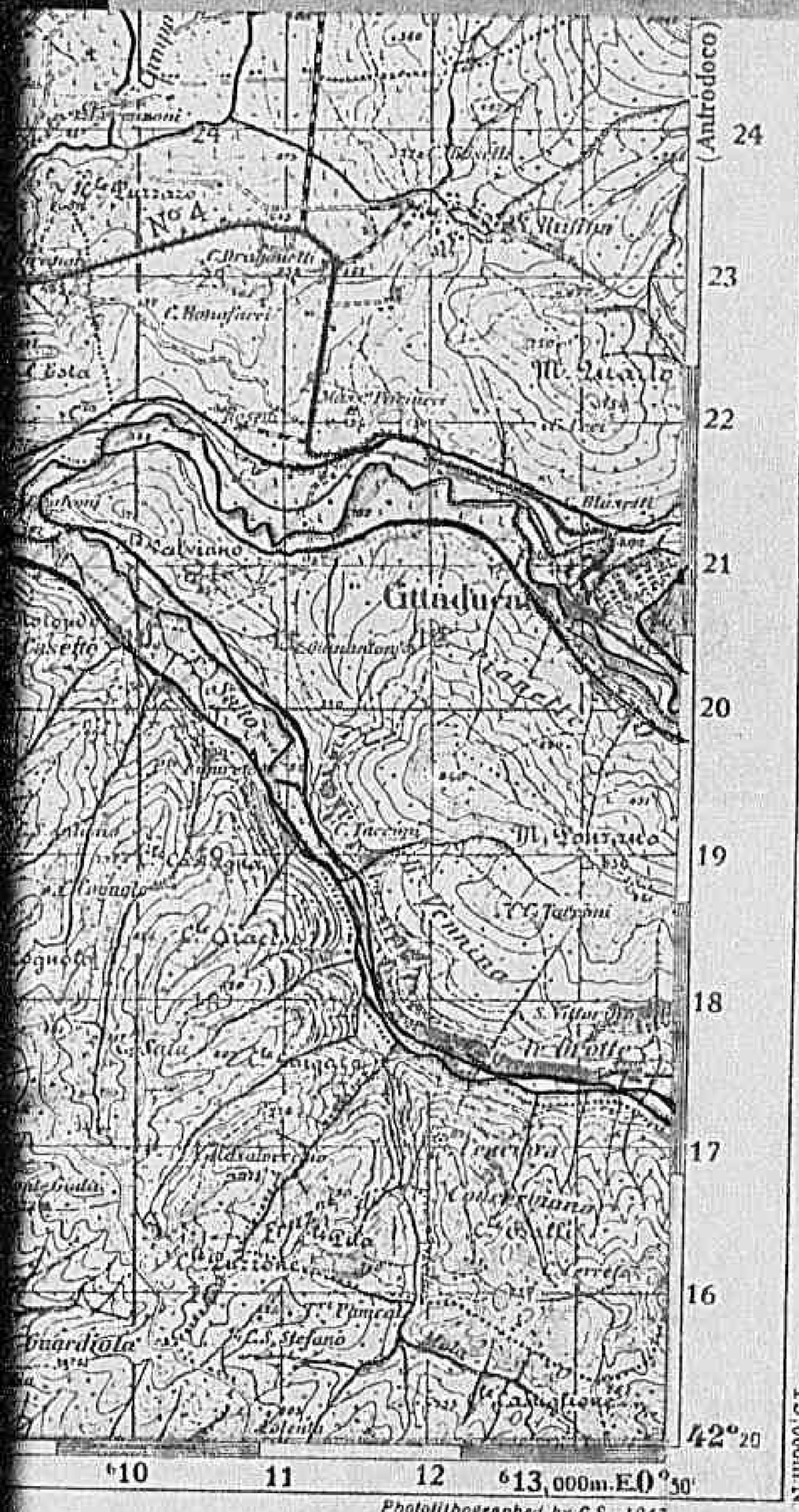
*Geographical Section, General Staff, No.4229.*
*Published by War Office 1941 Second Edition 1943, 3rd Edition 1943 (Coloured)*
*These meridians are based on the meridian of Rome, which is 12°27'7·1" East of Greenwich*

2285

Declassified E.O. 12356 Section 3.3/NND No. 785019


RIETI
M. Pacato
Gittaducale
M. Velino
M. Calvo
M. Terminillo
M. Giano
M. Elce
M. Tancia
M. Pizzuto
M. Navegna
M. Cervia
M. Nuria
M. Rotondo
M. Tarino
M. Cornicolano
M. Pellecchia
M. Cervia
M. Pizzoli
M. Cervia
M. Pizzoli
M. Cervia
M. Pizzoli

Declassified E.O. 12356 Section 3.3/NND No. 785019


(Antrodoco)
24
23
22
21
20
19
18
17
16
42°20
10
11
12
13,000m.E
0°30'
15,000m.N
Gruppo
M. Calvo
M. Velino
M. Terminillo
Gran Sasso
Corno Grande
Corno Piccolo
Vetta Occidentale
Vetta Orientale
Monte Prena
Monte Camicia
Monte Siella
Monte Brancastello
Monte Giano
Monte Nuria
Monte Cagno
Monte Giovenzano
Monte Tancia
Monte Pizzuto
Monte Giano
Monte Terminillo
Monte Rotondo
Monte Elefante
Monte Cafornia
Monte Macera

Declassified E.O. 12356 Section 3.3/NND No. 785019

# ITALY 1:50,000



Declassified E.O. 12356 Section 3.3/NND No. 785019

# TERNI

FIRST EDITION 6 SHEET

79 80 81 82 83 84 85 86 87 88 89 90 91 92

0°04' 0°05' 0°06' 0°09' 0°10' 0°11' 0°12' 0°13' 0°14'

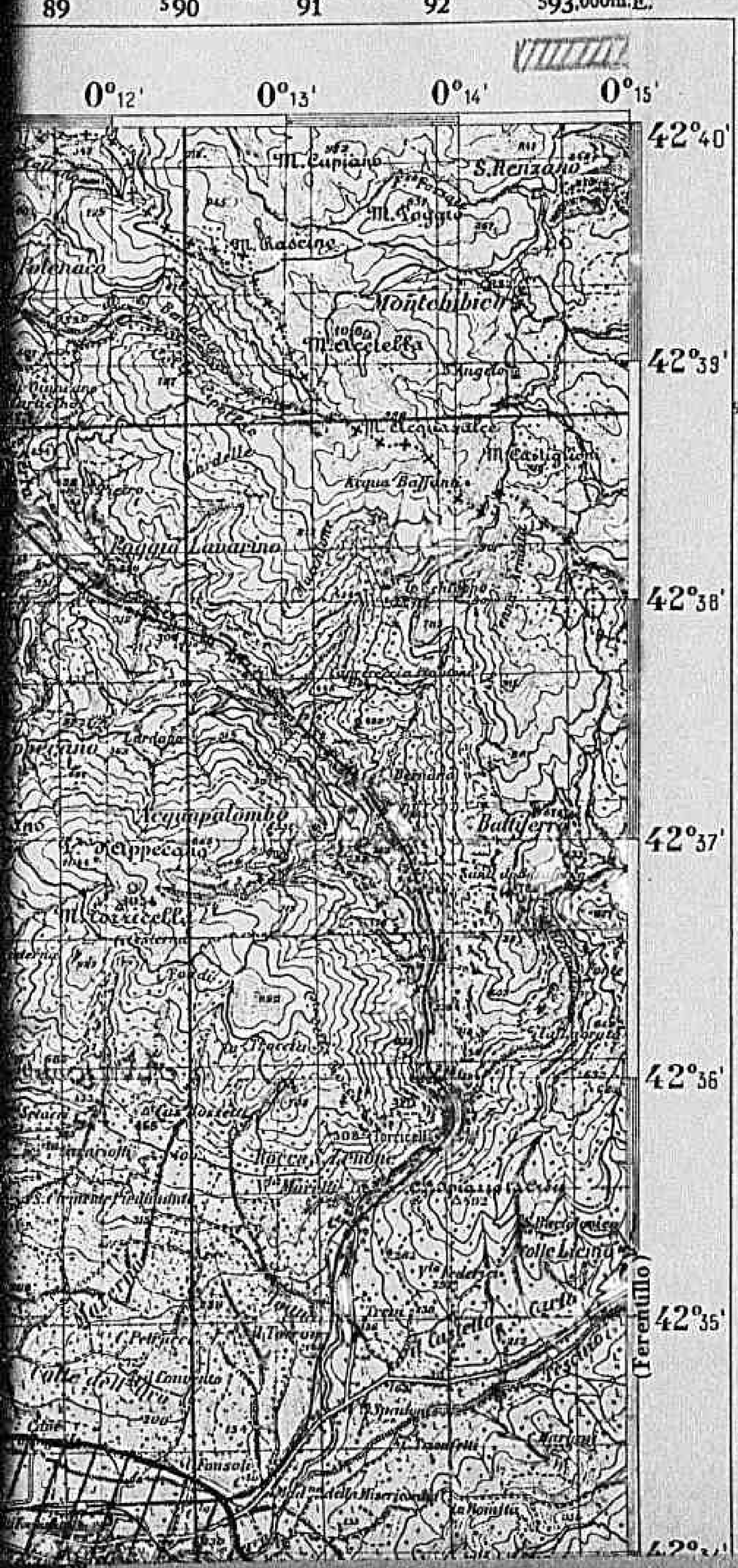
(Massa Martana)

Porzano
M. Cupiano
M. Coppio
M. Lascino
Montebibi
M. Acqueleta
M. Aequaviva
Acqua Buffano
Acqua Lunarino
Polenaco
Pucchia
Portaria
M. Vaglicamenti
M. Torre-Maggiore
M. Cerrigiolo
Appecano
Acquapalombo
Fizzuta
S. Gemini
Cesi
Sperandia
Gabelletta
Vallemidero
Campitello
Colle Stoppion
Torre
Fonsoli
Vallelonga
Pietralta
Cerquetello
Valle dell'Arco
Mall. del Rio
Vignarelle
Pesciature
Fonte Giulia
Acqua Lunare
Mall.na della Neve
Columbara
Miscanella
Miscanello
Cerdare
Pian di Rota alta
Pian di Rota bassa
Fonte Scentelle
Colle Lungo
Colle Cerqueto
Colle Cerquetello
Valle dell'Arco Comunale
Fonte Vallelonga
Fonte Pietralta
Fonte Acqua Lunare
Fonte Acqua Lunarino
Fonte Colle Lungo
Fonte Colle Cerquetello
Fonte Valle dell'Arco
Fonte Valle dell'Arco Comunale
Fonte Mall. del Rio
Fonte Mall.na della Neve
Fonte Miscanella
Fonte Miscanello
Fonte Columbara
Fonte Cerdare
Fonte Pian di Rota alta
Fonte Pian di Rota bassa
Fonte Vignarelle
Fonte Pesciature
Fonte Gabelletta
Fonte Vallemidero
Fonte Campitello
Fonte Colle Stoppion
Fonte Torre
Fonte Fonsoli
Fonte Vallelonga
Fonte Pietralta
Fonte Cerquetello
Fonte Valle dell'Arco
Fonte Valle dell'Arco Comunale
Fonte Mall. del Rio
Fonte Mall.na della Neve
Fonte Miscanella
Fonte Miscanello
Fonte Columbara
Fonte Cerdare
Fonte Pian di Rota alta
Fonte Pian di Rota bassa
Fonte Vignarelle
Fonte Pesciature
Fonte Gabelletta
Fonte Vallemidero
Fonte Campitello
Fonte Colle Stoppion
Fonte Torre
Fonte Fonsoli

Declassified E.O. 12356 Section 3.3/NND No. 785019

6

# SHEET 138 IV.




4°01' 1942

True North — Magnetic North

Annual Change about 8' E.

CONVERGENCE

At the West edge of this sheet
Grid N. is 0°59' West of True N.

At the East edge of this sheet
Grid N. is 0°50' West of True N.

TO GIVE A GRID REFERENCE ON THIS SHEET
Use only LARGER Grid figures viz ..... *84

POINT C. LOGATO

LETTER. From face of map ..... A

EASTINGS.

Take figure of West edge of small square in which point lies 82 4
Estimate tenths eastwards ..... 824

NORTHINGS

Take figure of South edge of small square in which point lies 41 8
Estimate tenths northwards ..... 418

REFERENCE ..... A 824418

Unit ... metre Square ... 1,000 Reference to nearest ... 100

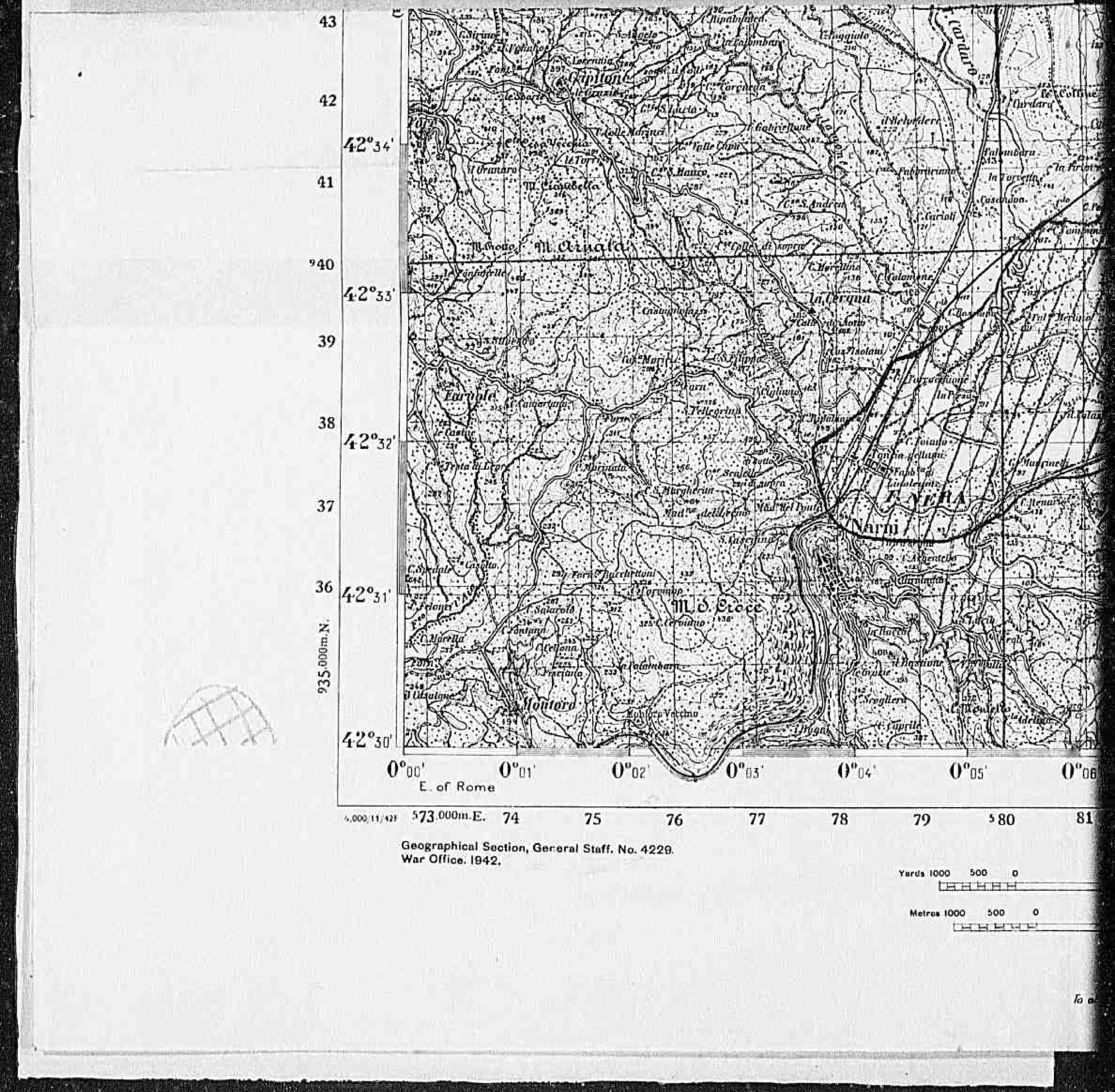
GRID DATA

Projection of Grid ..... Lambert Conical Orthomorphic.
Spheroid ..... Bessel.
Origin ..... 39°30'N., 14°E. of Greenwich.
False Co ordinates of Origin ... 700,000m E., 600,000m N.

## REFERENCE

Railway, two or more tracks with station .....
.. single track and electrified .....
.. narrow gauge or Tramway .....
Tram lines on a road .....
Cable railway .....
Metalled Roads: Autostrada .....
Metalled Roads: Main (generally over 8m. wide) .....
Metalled Roads: Secondary ( .. 6-8m. wide) .....
Metalled Roads: Other Roads ( .. 3-6m. wide) .....
Other Roads, non-metalled .....
Cart roads .....
Mule tracks .....
Paths .....
Boundaries, state .....
.. province .....
.. district .....
.. commune .....
Canal .....
Aqueduct and Irrigation Canals .....
Wells, perennial, non-perennial .....
Marsh and Swamp .....

Declassified E.O. 12356 Section 3.3/NND No. 785019




Geographical Section, General Staff. No. 4229.
War Office. 1942.

Declassified E.O. 12356 Section 3.3/NND No. 785019

TERNI

NARNI

(Magliano Sabino)

0°04' 0°05' 0°06' 0°09' 0°10' 0°11' 0°12' 0°13'

78 79 80 81 82 83 84 85 86 87 88 89 90 91

Copied from an
Photolithograp

Scale 1:50,000

Yards 1000 500 0 1 2 3 4 Miles

Metres 1000 500 0 1 2 3 4 5 6 Kilometres

Contours at 50m. interval

To obtain longitude value from Greenwich, add 12°27'71"

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Copied from an Italian map dated 1936.
Photolithographed by O.S.

Boundaries, state
" province
" district
" commune
Canal — Over 3m wide / under 3m
Aqueduct and Irrigation Canals — Underground
Wells, perennial, non-perennial
Marsh and Swamp
Church. Chapel. Cemetery
Lighthouse
Radio Telegraph Station
Mine
Factory
Power Station
Electric Power Line
Trigonometrical points
Heights in metres
Cliffs
Road Gradients

## INDEX TO SHEETS

*SHEET LINES OF 1:100,000 SERIES on which 1:50,000 and 1:25,000 series are based*

| | | | | | |
|---|---|---|---|---|---|
| 128 | 129 | 130 | 131 | 132 | 133 |
| 135 | 136 | 137 | 138 | 139 | 140 |
| | 142 | 143 | 144 | 145 | 146 |
| | | 149 | 150 | 151 | 152 |
| | | | 158 | 159 | 160 |
| | | | | 170 | 171 |

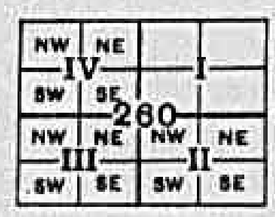
Four 1:50.000 sheets go to one 1:100.000 sheet
" 1:25.000 " - " 1:50,000 "

Sheet numbers on 1:50.000 are 1:100.000 numbers followed by I or II or III or IV

" " 1:25.000 " 1:50.000 " " " NW or NE or SW or SE

*Example*

1:50.000 sheet ..... 260-I.
1:25.000 " ..... 260-II-NW



COPY

Report on Interview of Pietre Iodici (Societa Meridionale Elettricita Electrician from Pescara) on 24 March 44 in BARI.

SECRET

The following information was obtained by questioning :-

1. PIETRO IODICI, aged 27 years, employed by SME since 1935 as instrument technician. Called up in Jan 1938; released from Army in June 1939 and returned to SME; was stationed at NAPLES but visited most of SME power plants including SILA and PESCARA; recalled to Army in May 1940 with whom he remained until 8 Sept 1943 when was in FLORENCE; returned to PESCARA 15 Sept 43 where he stayed with SME personnel but was not definitely taken on or employed there; remained in PESCARA area till 4 Mar 44.

2. PESCARA PLANTS (15 Sept 43 - 4 Mar 44)

He had visited stages II and III frequently; stage IV on one occasion; and had telephone contact only with stage I.

During Nov 43 to 15 Feb 44 all plants were idle and no demolition charges placed. In Feb 44 one unit was removed by SME from stage IV and stored at stage I. In Feb charges were placed on all units, generally one on turbine regulator, one on exciter, one on outdoor transformer. Charges rectangular shape approx 30 cms x 20 cms x 20 cms. Detonators and connections for firing were NOT fixed. Notices indicating position of charges were posted up. Officer in charge of demolition Capt BRIEDE who lived near stage II and periodically inspected the placed charges. Guards (separate from demolition squad) totalled about 200 men, with about 12 men on guard at each stage at any one time.

Since Feb all plant has been generating at full load, except one unit at stage II where the penstock is under repair due to damage by bombing. Believed all power sent to TERNI via one 150 KV line (N.B. there is considerable water storage at TERNI but very little at PESCARA).

3. TERNI PLANTS

No information as telephone line from PESCARA controlled by Germans.

4. UNIONE ESERCIZI ELETTRICI PLANTS (Sub Stations)

Believed to be in working order, but transmission lines occasionally interrupted by bomb damage.

5. SME TRANSMISSION LINES

(a) 150 KV PESCARA - FOGGIA - nearly all pylons in section in enemy hands have been blown up.

(b) 150 KV PESCARA - FRATTA (Nr NAPLES) - no information except some pylons seen to be still standing.

(c) 63 KV PESCARA - [illegible]

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Pescara area till 4 Mar 44.

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(b) 150 KV PESCARA - FRATTA (Nr NAPLES) - no information except some pylons seen to be still standing.
(c) 88 KV PESCARA - MATESE - believed conductor removed.

6. CONCLUSION

IODICI, due to return to his home in NAPLES, was instructed to report to Ing. MASTURZO of SME on arrival.

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RESTRICTED

SUBJECT:- Italian Electric Power System

Headquarters
A. A. I.

2530/RE

26 March '44

Central Electric Board

Herewith five prints of a drawing received from Italian Military Intelligence sources showing generating plants and power grid network in Italy. The information is of later date than that given by the War Office MI.10 publication on Italian electricity supply.

D C Bailey

Major, R.E.,
for Brigadier,
Chief Engineer.

Copy to:- DW, AAI Adm Ech - (1) This is a print of the drawing returned under cover of your 2052/DDW of 9 March.

Engineer, FIFTH Army (5)
C.E. EIGHTH Army (5)
C.E. No.2 District (1)
C.E. No.3 District (1)
Engineer, PBS (1)
Italian Military Mission (10)

PESCARA PLANTS

Report on interview and questioning of SMB employes who came through from German territory, Pescara Plants.

Name of employee. Pietro Iodice - age 27 - unmarried.

Parents live at Naples.

Started work for S.M.E. in 1935 as instrument technician working in Naples and at Sila Hydro Plants. Work consisted of testing work on switchboard instruments, transformers, regulators, hydrograph instruments etc. Also did some work at Pescara Plants.

Has industrial school training.

Worked for the S.M.E. from 1935 to Jan 1938

In army from Jan. 1938 to 20 Jun. 1939.

Released to S.M.E. 20 Jun. 1939 and worked at Sila till May 1940.

Recalled to army May 1940 and remained till 8 Sep. 1943. Stated that peace was signed and he left the army.

Spent one week in travelling from Florence to Pescara plants arriving there 15 Sep. 1943.

In formed that he was being recalled to army so went into hiding.

Was captured by the Germans but escaped during a snow storm, 24 Dec. 1943.

Remained at Pescara III until 4 Mar. 1944. Lived with Cape technico at Pescara III but did not report to chief engineer in charge of the Pescara plants because he had no discharge papers which would permit his being hired. Germans did not know he was there. Hid when they appeared.

Visited IV plants for a few hours.) Passed guards as a friend of
Saw II and III plants frequently. ) Cape technico.
Did not visit No. I plant but did have an opportunity to talk
with the Cape technico of plant

Declassified E.O. 12356 Section 3.3/NND No. 785019

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Visited IV plants for a few hours.) Passed guards as a friend of Saw II and III plants frequently. ) Capo technico.

Did not visit No. I plant but did have an opportunity to talk with the Capo technico of plant I.

The plants were idle until about 15 Feb. 1944 when they began full 24 hour operation. The reason for this was unknown. The power was sent north to the Terni plants over the 150 KV line. Note: There are two lines from Pescara III to the Terni plants. One is an older line built for 150 KV and operated at that voltage. The other is a new line designed and built for 220 KV but operated at 150 KV. This later line is not being used. The power from the Pescara plants is being transported to Terni plants over the old 150 KV line. Why the 150 KV (220 KV) line was not being used was unknown to the employees.

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The telephone line between Pescara and the Terni plants are monitored by the Germans which prevented information being sent back and forth by employees.



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The Pescara plants have little or no water storage and are river flow plants. The Terni plants have large reservoirs.

No damage has been done to any of the plants by mining up to 4 Mar. All plants are in good working condition.

Aerial bombing damaged one of the penstocks at No.II plant which is being repaired. This bomb apparently was a stray and was intended for industrial plants located nearby. Stated that all the machinery had been removed from the industrial plants.

During Feb. 1944 a 15,000 KVA, 45 cycle generator and turbine was dismantled at Pescara IV and transported to Pescara I and stored. As near as was known S.M.E. requested permission of Germans to do this and permission was granted. Only reason that employee could guess was that there are industrial plants near Pescara IV which S.M.E. was afraid would be bombed.

Some time back the Germans removed some small auxiliary transformers which were considered as extras or spares, the removal of which did not, however, affect the operation of the plants.

The Germans started placing mines in the plants on or about 15 Feb. 1944 which was about the time the plants began operating again.

A German captain by the name of Briede has charge of the work of mining at all four plants. He usually stays at the No. II plant. Impression was that he was doing other work as he was seen infrequently.

The guard detail for all the plants is estimated at about 200 men with 10 or 12 on duty at each plant. They live in a part of the operators' houses and also in the plants.

The actual placing of the charges was handled by a special detail in charge of a lieutenant. They made frequent return trips to inspect.

Charges are placed adjacent to the turbine regulators, near the exciters and on the outside of the substation transformers. The charges are made up of boxes about 30 x 20 x 20 cm. in dimensions with the number of each location varying. The turbines are vertical type.

No detonators or wires had been installed up to 4 Mar. 1944.

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Arrows on walls of plant indicate location of future mines which were not yet installed.

Capt. Briede stated that he was going to mine the buildings 7382
(power plant) and the operators houses.

The employee followed the route of the Pescara - Foggia 150 KV line. Observed that most of the steel towers had been blown down although the conductors were still there.

The Pescara plants are between 20 and 30 Kilometres from the front line at the nearest point.



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From conversations with employees the 88 KV line Pescara, Matese to Naples had a considerable section of the line removed, although the amount taken out was unknown. Was guessed to be about 40 Kilometres.

The condition of the Pescara to Frattamaggiore 150 KV line was unknown.

Obtained a pass for the employee Iodice to travel to Naples with instructions that he was to report to Chief Engineer of S.M.E. Mostruzzo, at Naples.

26 Mar. 44.

L.W. LAUGHLIN,
Capt., Spec. Res.

Declassified E.O. 12356 Section 3.3/NND No. 785019

Declassified E.O. 12356 Section 3.3/NND No. 785019

SUBJECT:- Power Stations

Headquarters
A. C. M. F.

4 MAR 1944

2530/RE/2

2 Mar 1944

Central Electricity Board

c/o ACMF Adm to Relns

The details shown below, of hydro-electric stations, taken from an official Italian source, do not appear to have been included in I.S.T.D. or in the M.I.10 report on electricity supply in Italy.

| Company | River Basin | Station | Approx Location | Kw | Output Kw.h per year |
|---|---|---|---|---|---|
| Societa Romana di Elettricita | Liri | Fonte Cupa | G.6431 | 4800 | 35 |
| | | Fontana Liri | N.E.of ARCE | 2900 | 25 |
| Azienda Governatoriale of Rome | Peschiera | Salisano | B.0808 S. of RIETI | 20,000 | 60 |

D C Bailey

Major, R.E.,
for Brigadier,
Chief Engineer.

7380

Declassified E.O. 12356 Section 3.3/NND No. 785019

3 March 1944

SUBJECT: Information Re Marmore(Terni) Plant Obtained from SME Engineer

TO : Colonel Growdon

1. I talked today with an engineer of SME who was employed at the Terni hydroelectric plants during the period 1922-28, and who is presently in charge of SME distribution in the City of Naples.

2. My reason for talking to him was to obtain any available information concerning the Marmore plant, which operates under a head similar to Calusia(Silla).

3. He has worked on the installation of anoutdoor substation at Papigno-one of the Terni plants, and told me that in 1927 or 28, he had worked on the first 120 kv oil filled cables to be installed in Europe, and the first to be installed in Italy. Unfortunately, he was not too familiar with the mechanical details of Marmore.

4. He said that Marmore and Collestatta are two hydroelectric stations of fairly old vintage(F.P.C. gives 1922 as the initial operation date at Marmore), and that they were given a standby status in about 1928 when Galletto began operation. He added as an incidental thought, that near the hydro plants is located a chemical plant which took large quantities of electric energy, and which included carbide as one of its products.

5. The Marmore plant site can be reached by a highway which, when he left, was well travelled and in good condition. The buildings of the power plants there were made, he said, of a kind of limestone used for building construction in Rome. He did not recall any foundation trouble which had been encountered during the construction of the Papigno substation-the job in which he was interested- but did not know of any of the foundation details of the Marmore Plant.

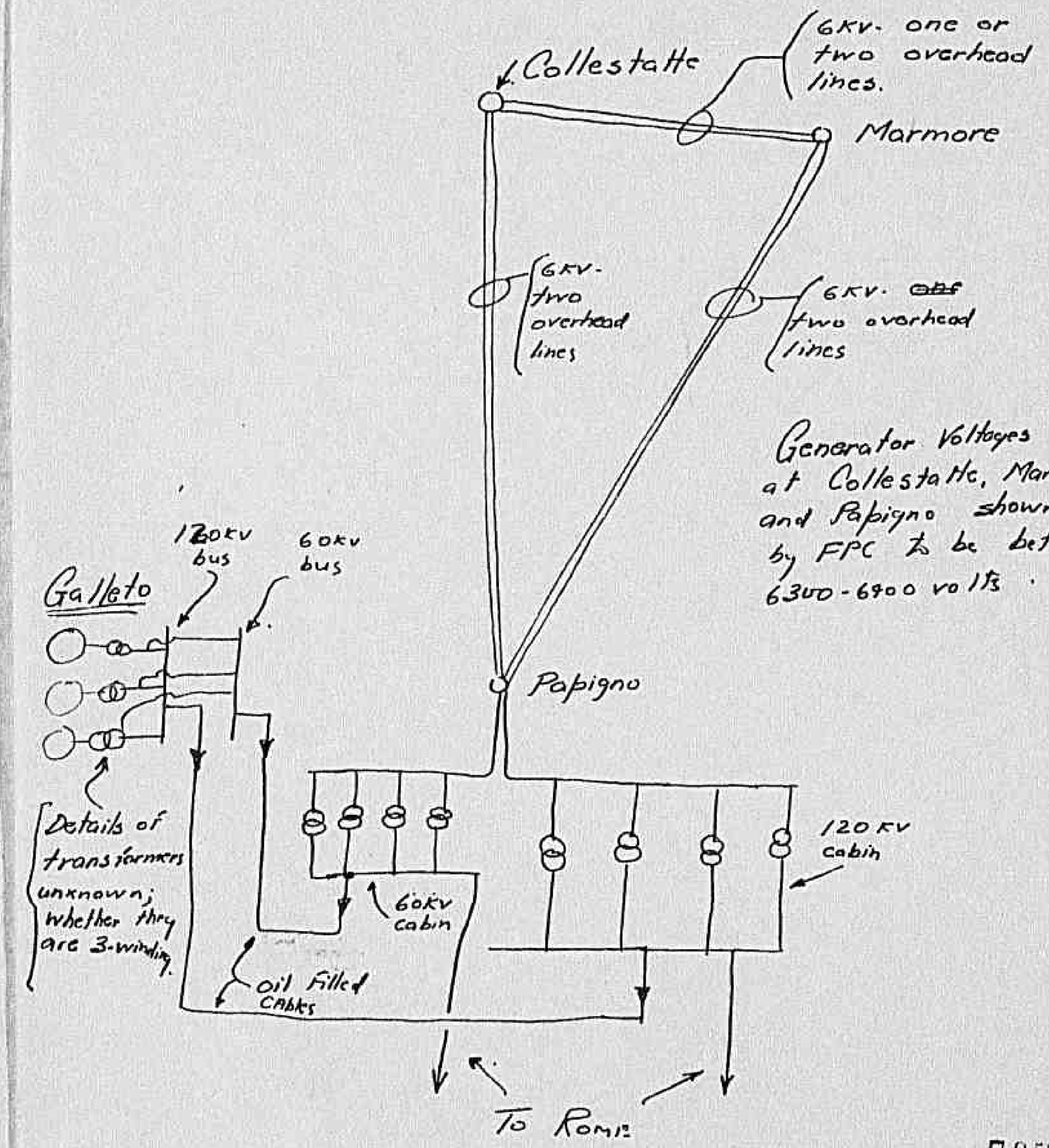
6. He described the two Marmore units as being horizontal shaft, Francis type, and mentioned the draft tubes in particular, which he said were between eight and nine meters long. He did not recall whether each machine had one or two tubes. He beileved, but was unsure, that provision had been made for another machine. One penstock feeds the plant.

7. He stated that Marmore, Collestatta and Papigno generated at 6400 volts, that the plants are tied together, and that at Papigno, two banks of transformers step the voltage up to 60 and 120 kv respectively. At the newer Galleto plant, the generated voltage is 10 kv and is supplied to transformers having both 60 and 120 kv secondaries. The high sides of the Papigno and Galleto ~~plants~~ substations are tied together.

7370

VBK

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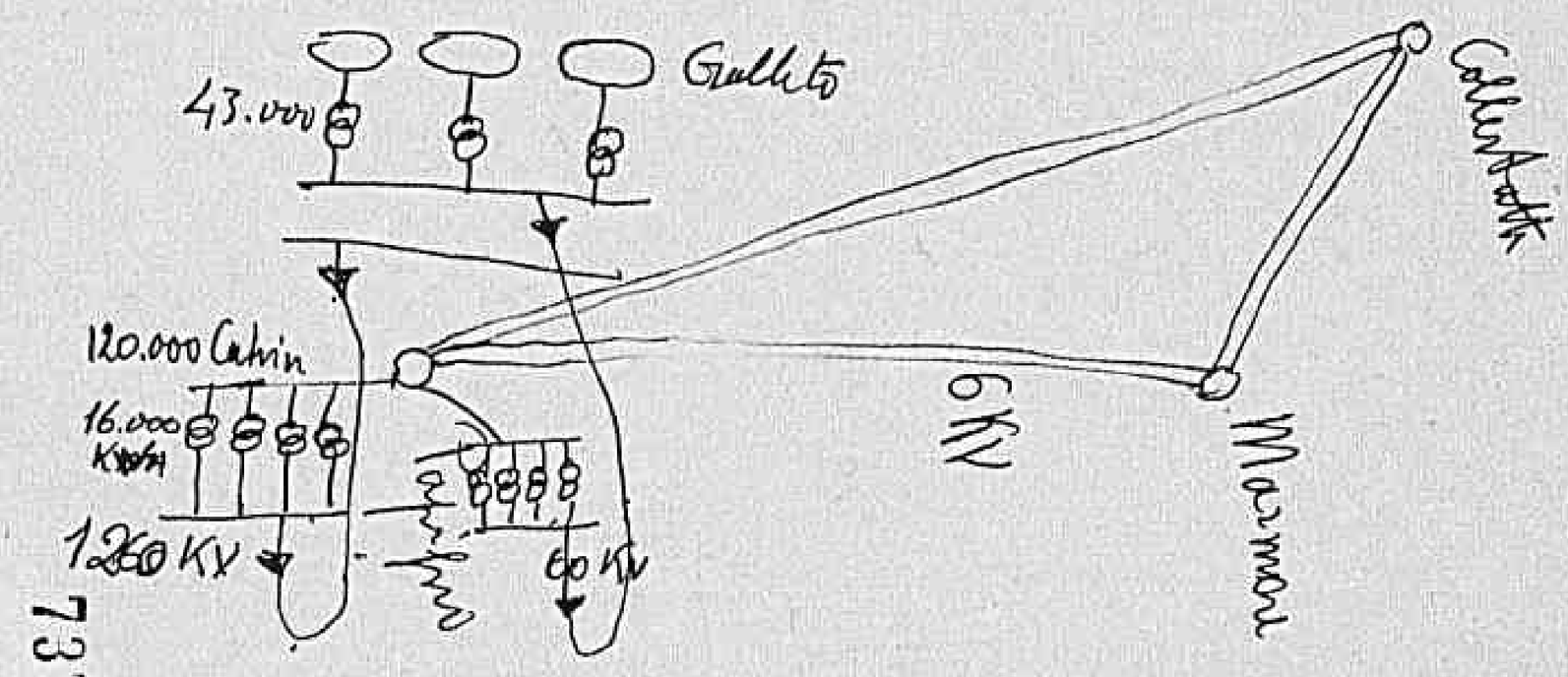

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TERNI DEVELOPMENT

TRANSMISSION LINE SKETCH

Based on info obtained from SME Engineer, 3 March 1948. Vdc.

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Declassified E.O. 12356 Section 3.3/NND No. 785019

25 FEB 1944

REAR HEADQUARTERS
ALLIED CONTROL COMMISSION
APO 394

FJS/ajp

In reply refer to:
DSG-370

25 February 1944

SUBJECT: Intelligence Publications

TO: Electric Power Mission, Economic Section,
Main Hq., ACC, APO 394

1. Intelligence report AFHQ MR OI (LIB), copy No. 429, subject "Notes on Electricity and Gas Rationing in German Europe", is forwarded herewith for your information.

2. Request acknowledgement of receipt by indorsement hereon.

For the Deputy Chief Commissioner:

FRANK J. SLAUGHTER
Captain, AGD
Deputy Secretary General

1 Incl- AFHQ MR OI (LIB) 429
Notes on Electricity and
Gas Ratg in German Europe.

1 st Ind.

Forward Hq., ACC, APO 394. 27 February 1944

TO: Deputy Secretary General, Rear Hq, ACC, APO 394

1. Receipt acknowledged of document mentioned in paragraph 1, basic communication.

JAMES P. CROWDON
Colonel, CE
Chief, Electric Power Mission

7376

Declassified E.O. 12356 Section 3.3/NND No. 785019

REAR HEADQUARTERS
ALLIED CONTROL COMMISSION
APO 394

FJS/ajp

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For the Deputy Chief Commissioner:

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Deputy Secretary General

1 Incl - AFHQ MR OI (LIB) 429
Notes on Electricity and
Gas Ratg in German Europe

7375

Declassified E.O. 12356 Section 3.3/NND No. 785019

AFHQ Ref No.
MR - C(43) 429

(THIS DOCUMENT IS THE PROPERTY OF HIS BRITANNIC MAJESTY'S GOVERNMENT)

RESTRICTED

MINISTRY OF ECONOMIC WARFARE,
ENEMY BRANCH,
BERKELEY SQUARE,
LONDON, W.1.

## NOTES ON ELECTRICITY AND GAS RATIONING IN GERMAN EUROPE

The attached paper should be regarded as a series of notes, and not as a detailed study of electricity and gas rationing in German Europe. Section I deals with the electricity position as at December 1943. Owing to the fragmentary nature of the information available, it has not been possible to treat gas in quite the same way as electricity, and Section II deals with gas rationing more or less retrospectively since the beginning of the war.

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I. ELECTRICITY

NOTE: The term "German Europe" includes Germany, Italy, and countries allied to or occupied by the Axis. Austria, the Saar, Danzig, Memel, and the Sudetenland are included with Germany. Luxembourg is grouped with Belgium and Albania with Yugoslavia. Finland, the Baltic countries and the U.S.S.R., whether occupied or unoccupied, are excluded.

The commonest method of rationing is to limit the consumption of electricity during some period (usually a month) to a stated fraction of that in some earlier period. Another method is to limit consumption according to some arbitrary scale. In most countries rationing is accompanied by other restrictions. These include the partial or total prohibition of display lighting, restrictions on the running of lifts, trams etc., a ban on certain types of domestic apparatus, and of apparatus exceeding a certain size, and the limitation of the use of current or apparatus to certain hours of the day or days of the week. In some countries there is a ban on the connection of new consumers. Increases in price and appeals to economy are other methods that have been adopted with a view to limiting consumption, and in some cases engineers have been appointed to advise on methods of increasing the efficiency of utilisation.

Owing to the fact that so long as a supply of electricity is available its consumption cannot be prevented, the success of any scheme of rationing depends to a large extent on the co-operation of the consumer. Nevertheless, infringement of the regulations is universally regarded as an offence which is punishable in various ways. These include the carrying forward of any excess consumption in one period as a debit to the following period, the cutting off of supplies, fines and imprisonment. Such evidence as is available, however, indicates that infringement is infrequent. This probably is due to the fact that rationing *per se* is not particularly severe. In fact, more inconvenience is caused by the various restrictions over which the consumer has less control. These restrictions are probably also at least as effective as rationing in reducing consumption.

The latest information regarding rationing and restrict[illegible] in the countries of

Declassified E.O. 12356 Section 3.3/NND No. 785019

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The latest information regarding rationing and restrictions in the countries of German Europe is summarised below:-

Germany

Rationing was introduced in Germany in February 1943. From that date households comprising more than ten rooms were required to reduce their monthly consumption by 20 per cent compared with the corresponding period of the previous year. In the case of households with less than ten rooms, the reduction was 10 per cent. A 30 per cent reduction was also imposed on the consumption of local authorities, the armed forces and the Nazi party, as well as upon hotels, catering establishments, shops and offices. In hotels, etc. the illumination was restricted to 5 watts per square metre of floor space.

There has been no direct rationing of the electricity consumed by industry, though unconfirmed reports received late in 1943 state that a 10 per cent cut is to be applied to "small industry". In the winter of 1942-43, however, a campaign was inaugurated to cut down the consumption by 20 per cent and especially to reduce the maximum demand, the growth of which was causing anxiety. This is said to have been so successful that it is to be continued during the present winter.

Indirect/

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Indirect restriction of consumption is effected by controlling extensions to existing installations and limiting the number of new consumers, as well as by making it difficult to obtain equipment. At one time shops in some areas were obliged to close early, though this was discontinued in November 1943 on the grounds that the results were not worth while. The use of electric heaters in addition to central heating has also been forbidden. To encourage economy the minimum quarterly charge has been abrogated.

France

In France the consumption of electricity for domestic purposes has been rationed since September 1941. At the present time this is effected on a sliding scale which in towns exceeding 40,000 inhabitants varies from 24 kWh. per month for households of one person to 144 kWh. per month for households of twelve or more persons. During the summer months these amounts are reduced by 25 per cent. In towns of less than 40,000 inhabitants the scale varies from 18 kWh. to 108 kWh. per month with a reduction of 33 per cent during the summer months. These amounts are increased by 7 kWh. per person per month where water heaters or refrigerators are in use.

The position in industry is less easy to summarise. In July 1942 consumers using more than 20 kWh. per month who received their supplies at high tension were limited to 60 per cent of the quantities they had consumed monthly during the period from September 1st 1940 to August 31st 1941. In the case of those taking a supply at low tension the permitted consumption was 65 per cent. The actual consumption allowed, however, varies according to the category of industry. Those engaged in dealing with rationed food are entirely exempt, while in others the reduction varies from 10 per cent to as much as 70 per cent. In December 1943 the surcharge for electricity consumed in excess of the ration was increased to 27 fr. per kWh.

Indirect rationing is effected by such methods as increasing tariffs, bans on the sale of apparatus, restricting the hours during which artificial lighting may be used in shops, closing underground stations and discontinuing the use of lifts.

It has recently been reported (December 4th,1943) that industrial establishments are to be closed on two consecutive days a week in turn, subject to certain exemptions. A further reduction in electric train services is also to be made. It is not clear, however, whether these restrictions have actually been enforced.

Italy

In March 1943 the consumption of electricity for domestic purposes in Italy was limited to 75 per cent of that in December 1942, and this was reduced to 70 per cent during April. The

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40,000 inhabitants varies from 24 kWh. per month for households of one person to 144 kWh. per month for households of twelve or more persons. During the summer months these amounts are reduced by 25 per cent. In towns of less than 40,000 inhabitants the scale varies from 18 kWh. to 108 kWh. per month with a reduction of 33 per cent during the summer months. These amounts are increased by 7 kWh. per person per month where water heaters or refrigerators are in use.

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Italy

In March 1943 the consumption of electricity for domestic purposes in Italy was limited to 75 per cent of that in December 1942, and this was reduced to 70 per cent during April. The exact position at the present time is not known. On the other hand rationing of consumption for industrial purposes has been enforced since the beginning of 1942, and in March 1943 a reduction of 25 per cent on the consumption in the corresponding period of 1941 was introduced. Many of the electro-chemical industries were, however, exempted.

Indirect rationing has been effected by the closing of places of amusement and by the cessation of the train and bus services after 9 p.m. on weekdays and altogether on Sundays. Certain industries are closed on one day per week. Appeals for economy have also been made.

Norway/

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Norway

There is no general rationing in Norway, though in the eastern part of the country a reduction of domestic consumption to 80 per cent of the amounts used in 1940-41 is in force. The same percentage of reduction has been applied to industrial consumption in Oslo, while local restrictions have been enforced in other areas. In October 1942 a national scheme of rationing was published, but so far as is known this has not yet been put into force. Meanwhile consumption for both industrial and domestic consumers must not exceed that of the corresponding period in 1941-42 and the strictest economy is enjoined.

Indirect rationing is effected by forbidding the connection of new consumers.

Denmark

In Denmark too, there has been no general rationing of electricity, though the adoption of such a policy has been suggested at various times. At the beginning of 1943, however, display lighting was forbidden, restaurants and theatres were ordered to close at 11 p.m. and 10 p.m. respectively, and broadcast programmes were curtailed. The use of lifts in office buildings was also prohibited. In April many factories were open only on four days a week and during the summer it was reported that the shift system was to be introduced in order to reduce the peak. In August the use of electricity for threshing and milling was restricted, while in October the employment of motors between 7 a.m. and 8.30 a.m. and from 5 p.m. to 10 p.m. was forbidden by the Frederikshaven Electricity Board. New connections are not allowed.

Holland

Rationing was introduced in Holland in July 1941 when all consumers, with the exception of public utilities and industrial concerns, were ordered to reduce their monthly consumption by 25 per cent, compared with that in 1940. In the case of hotels the reduction was increased to 35 per cent in 1942. Since that date too the hours during which shops may be open have been restricted. The use of lifts is not encouraged. Recently tramway traffic has been curtailed on Sundays.

Belgium and Luxembourg

Rationing was first introduced in August 1942, though the price of current had been increased by 5 per cent some nine



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Belgium and Luxembourg

Rationing was first introduced in August 1942, though the price of current had been increased by 5 per cent some nine months earlier. The permitted consumption is 90 per cent of that in any given period before rationing was introduced. Domestic consumers are exempt, but are prohibited from increasing their consumption. Hospitals and agriculturists are wholly exempt. The connection of new consumers is also forbidden.

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Poland

While in Poland there is no general scheme of rationing, reductions in consumption have been effected by regulations forbidding the use of electricity for domestic purposes between certain hours, by restricting working hours, and by the early closing of shops and restaurants. In some towns the current is actually switched off during certain periods of the day, while in others there is a ban on the sale of apparatus.

Czechoslovakia/

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Czechoslovakia

Similar restrictions with, in addition, the prohibition of the use of electric apparatus, lifts, etc. are in force in Czechoslovakia. There is considerable limitation of new connections and attempts have been made to reduce the peak by "staggering" the weekly rest day. There is, however, no general scheme of rationing, though schemes for its introductionhave been prepared.

Hungary

In Hungary the electricity consumed for domestic purposes is not rationed, with the exception that hotels and places of amusement are limited to 70 per cent of their consumption between July 1941 and June 1942. Display lighting is forbidden and street lighting is restricted. On the other hand, there is general, though not severe, rationing of industrial consumption, concerns engaged in essetial war work being limited to 95 per cent and others to 90 per cent of their basic consumption. The mining industry, railways and certain other trades are, however, exempt. The sale of electric fittings is forbidden.

Yugoslavia and Albania

There has been no general rationing, but a number of local schemes mainly affecting domestic consumption are in force and the use of certain appliances is prohibited. Within the last few days it has, however, been stated that consumption in domestic or business premises is to be reduced by 50 per cent and 20 per cent respectively.

Bulgaria

In Bulgaria, though the use of current for domestic lighting purposes is unrestricted, street lighting has been reduced and display lighting forbidden. On the other hand, the use of electric heaters is banned and that of electric cookers restricted. Supplies to industrial consumers are curtailed at times of peak.

Greece

Rationing of electricity consumption was introduced in September 1941, but the details are unimportant, since drastic restrictions on use have practically rendered the scheme negatory. For instance, in Athens at the present time, the consumption of electricity for domestic purposes is limited to

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Rationing of electricity consumption was introduced in September 1941, but the details are unimportant, since drastic restrictions on use have practically rendered the scheme negatory. For instance, in Athens at the present time, the consumption of electricity for domestic purposes is limited to 7 kWh.per month for households of three persons and no supply is permitted to private offices, shops etc. Restaurants must close at 4 p.m. and theatres at 8 p.m., while the rail and tram services are severely curtailed. In Salonika electricity is only available on alternate days for two hours a day. Many of the smaller towns are entirely without current.

Roumania

In Roumania there is no direct rationing of consumption. On the other hand, display lighting is prohibited and the use of domestic apparatus is prohibited between dusk and 8 p.m., doubtless with a view to reducing the peak demand. For the same reason factories and workshops are restricted from running their motors or using other electrical equipment between 5 p.m. and 7 p.m.

In/

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In conclusion it may be pointed out that the rationing of electricity consumption in German Europe is not due to a shortage of generating plant, but to a number of reasons which vary with the different countries. Among these are a desire to save coal, a shortage of water power, an attempt to reduce peak demands, and the wish to exert close control over industrial activities. From the political point of view the rationing of supplies to public buildings is attractive as it has a "curfew" effect.

## II. GAS RATIONING

### Germany

During the first three years of war there was no introduction of actual gas rationing, the people being merely warned of the necessity to economise, owing to increased consumption by war industries. By Spring 1942, however, household consumption had increased by 20%.

In September 1942 Goring, in a long speech, launched a propaganda campaign intended to persuade all Germans to cut down their gas consumption voluntarily. He addressed the housewives, managers and factory workers in turn, impressing on them the increased needs of the manufacturing industries, and demanding reduced consumption for less essential purposes in order to avoid official restriction of supplies. This was followed up by an appeal from the Chief Party Organisation Manager, Dr. Ley, who called upon all factory staff to collaborate with the German Labour front factory stewards to cut down wastage of gas by workers in factories. Similar arguments were put forward in newspapers, cinemas, theatres, cafes etc.

This campaign may have had a certain amount of success but was evidently not sufficiently effective, as official orders were thereafter published from time to time imposing specific restrictions.

On the 17th October, 1942, an order was issued stating that gas must not be used for heating rooms already heated by some other method.

At about the same time, figures of an official survey carried out in 1937 were published for about 2,500 working-class houses. The average size of the household then was 4.4 persons; the average size of the dwelling was 3.3 rooms; and the average consumption per person was 62 cubic metres of gas. On the 2nd November, 1942, consumption per person was estimated to be about 3 times as high as in 1937.

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On the 18th February, 1943, Reichsminister Speer and the General Inspector for Water and Power issued a special decree ordering households to reduce their consumption to 90% of that of the previous year. A special officer was appointed to see that the order was carried out.

In addition to the above orders applying to the whole of Germany, special measures were adopted in certain individual towns or districts:-

Danzing

As from the 20th November 1942, reduction of the gas pressure between 9-11 a.m. and 7-9 p.m. was designed to limit consumption of gas within these hours.

Hamburg/

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Hamburg

On the 5th December 1942 gas consumers in Hamburg received notification as to the amount of gas which they could use during December and January. Offences of over-consumption were to be punished severely.

Baden

On the 11th December 1942, the Lahr Gasworks announced that despite Goring's appeal, consumption of gas in the district had still increased. Therefore, in order to replenish stocks, the gas supply was cut off from 9 p.m. - 5 a.m., from 8 a.m. - 10.30 a.m., and from 1 p.m. - 6 p.m. On Sundays, the gas was to be available from 6 a.m. - 9 a.m. instead of from 5 a.m. - 8 a.m. This was said to be a purely temporary measure and it was hoped to restore the normal supply by 15th December.

Königsberg

There was an extraordinary increase in household consumption which was threatening the public supply of gas. So, on 27th January 1943, the Landwirtschaftsamt issued regulations restricting household consumption of gas to the 1941 level. Anyone exceeding this figure would be severely punished.

Berlin

A decree was published in Berlin in June 1943 to the effect that there was to be a 10% cut in gas supplies. Severe penalties were threatened for non-compliance with the decree.

Belgium is a country which depends very largely on coke ovens for her gas supply. Since the German occupation this has turned out to her advantage, since coke production has been stepped up for industrial purposes and gas output has increased accordingly. In spite of this, early in 1943 the very large demand for gas by priority consumers rendered it necessary to restrict consumption by the general public.

An order was therefore issued to the effect that after 16th January 1943, no gas was to be used in public places of entertainment, in churches or in schools, and the gas pressure for all consumers was reduced during certain hours of the day.

In some districts gas was cut off between the hours of 6.30 a.m. - 8.0 a.m., 11.45 a.m. - 1 p.m. and 6.45 p.m. - 7.30 p.m. in other areas, such as Brussels and Antwerp, it was proposed to reduce the pressure on alternate days of the week.

No actual rationing scheme, however, has been introduced as yet.

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No actual rationing scheme, however, has been introduced as yet.

France

Unlike Belgium, France obtains practically all her gas from gas works, and since supplies of coal for this purpose were drastically reduced after the Occupation, gas output has fallen and steps have had to be taken to restrict and ration consumption.

As early as November 1941 the Paris press announced that large reductions in consumption would have to be made, and it was possible that gas would be cut off completely in the future. The ration at the end of 1941 was 25 $m^3$ for a whole month.

All/

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All statutes and orders which had been issued since the German Occupation were brought together in an order issued by Marshal Petain on the 18th August, 1941 giving certain powers to the Secretary of State for Industrial Production. The latter issued an order, following up Petain's decree, describing the system of rationing to be put into effect throughout France. The chief points were as follows:-

(a) There was to be an authorised monthly consumption worked out on the basis of a previous period.

(b) Industries and trades not specially authorised to increase their consumption beyond that of December 1940 were to keep within that amount.

(c) For domestic usage other than for heating, consumption was based on the figures for 1938, or if it should be more suitable for 1939 or 1940. Reduction was to be proportionate to the amount previously consumed, and there was to be no reduction where consumption did not exceed 10 $m^3$ + 5 $m^3$ per person.

(d) Use of gas for domestic heating was forbidden between 1st April and 30th November. The basic ration for heating was smaller than for other domestic uses. Supplements to the gas allowance could be gained by giving up coal allowance in the proportion of 6 $m^3$ of gas for 5 kilos of coal.

(e) Penalties for exceeding the fixed limits of consumption were to be:-

(i) Money penalties

(ii) The removal of gas fittings for a period determined by the amount of the excess.

Default of payment might also lead to the removal of fittings.

(f) The order also stated that the following supplementary allowances could be claimed by families with children:-

Child under 3 years: 10 $m^3$)
Child from 3-6 years: 4 $m^3$) per month.

When the order was put into force, many consumers exceeded their allowance by over 50%, and then gas was cut off for 48 hours as a warning. Stricter measures were promised for any future offences.

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(c) For domestic usage other than for heating, consumption was based on the figures for 1938, or if it should be more suitable for 1939 or 1940. Reduction was to be proportionate to the amount previously consumed, and there was to be no reduction where consumption did not exceed 10 $m^3$ + 5 $m^3$ per person.

(d) Use of gas for domestic heating was forbidden between 1st April and 30th November. The basic ration for heating was smaller than for other domestic uses. Supplements to the gas allowance could be gained by giving up coal allowance in the proportion of 6 $m^3$ of gas for 5 kilos of coal.

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When the order was put into force, many consumers exceeded their allowance by over 30%, and then gas was cut off for 48 hours as a warning. Stricter measures were promised for any future offences.

On the 21st November 1942, further restrictions for "Unoccupied" France were announced. Consumption was to be based on the number of persons in the household.

This is all the information received concerning France as a whole, but some has come to hand referring to special districts.

In Savoy about October 1941, the gas ration was based on the 1940 consumption and if more than the permitted amount was used, the gas was cut off.

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In Lyons, in pre-war days, a household of 4 people used 30 $m^3$. In May 1942 they were allowed only 3 $m^3$. The supplementary ration for a child below 2 years was 5 $m^3$ per month. In May 1942 the following scale was put into force:-

10 $m^3$ for a child of less than 1 year
8 $m^3$ for a child of 1 to 3 years
4 $m^3$ for a child of 3 to 6 years

but the allocation must not exceed 25% of the average monthly consumption of the winter 1940 to 1941.

In the Alpes Maritimes it was stated on the 25th July, 1942, that gas would be available only from 5 a.m. - 8 a.m., from 11.30 a.m. - 1.30 p.m., and from 5 p.m. - 8 p.m.

To reduce consumption of gas in the City of Paris, the authorities were allowed to levy an 8% tax on gas for heating and lighting.

Holland

Rationing of gas was considered by the authorities to be necessary in Holland, and some measures were taken. At the same time they strongly urged the need for voluntary reduction of consumption.

A cut of 25% of the 1940 consumption was made, and a further cut for those consumers who had used an excessive amount in that year. The penalties for the infringement of this order took the form of fines, and the cutting off of supplies; these penalties grew more severe, as the public still continued to consume more than the permitted ration. Penalties were even inflicted on persons who, in the opinion of the authorities, had wasted gas, even though they had not exceeded their ration.

"Gasless hours" were introduced temporarily into many districts, the gas being cut off between 2.30 and 4.30 p.m. and the gas pressure reduced between 8 p.m. and 5 a.m. With the exception of Limbourg, this was even extended to the mining districts, where no gas could be obtained from 3 p.m. - 5 p.m. and 9 p.m. - 6 a.m.

February 1944.

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(b) 1064(1) 1.

ALLIED FORCE HEADQUARTERS

Military Government Section

File No. 313.3

14 December 1943
(Date)

SUBJECT: Transmittal of Document(s).

TO : HQ ALMG, AFO 394

1. Forwarded herewith are 1 copy copies of Engineer Terrain Bulletin No. 6, issued by The Engineer, Allied Force H.Q. Contents.

2. Please acknowledge receipt on the form below, detach and return immediately to Military Government Section, Allied Force Headquarters A.F.O. #512.

For- J. C. HOLMES,
Brigadier General, G.S.C.,
Chief, Military Government Section

---

RECEIPT

TO: Military Government Section,
A.F.H.Q.

Received 1 copy(ies) of Engineer Terrain Bulletin No. 6, issued by The Engineer, Allied Force H.Q. Contents.

Signed.....

Rank.....

.....
(Date)

Section.....

7369

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Dec. 12, 1943.

Met with Lt. Col. G. Cooky. PBS re use of portable generating equipment. He pointed out that at last ~~about~~ 10,000 KVA transformer capacity (150/260 V Primary, 9,000 V Secondary) is available in S.M.E. territory. He further said that he believed that the characteristics of available Diesel-generator sets are as follows:

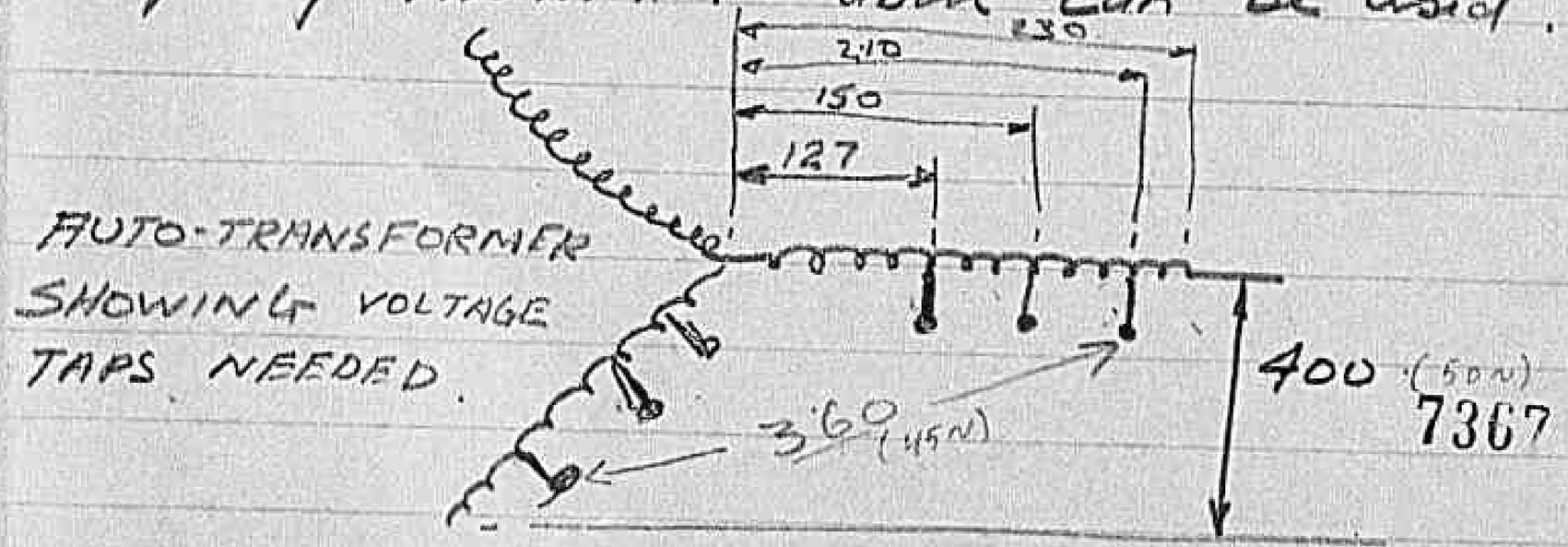
| KW CAPACITY | VOLTAGE. | FREQUENCY | Voltage at 50~ | Voltage at 45~ |
|---|---|---|---|---|
| 315 | 400 | 50 | | 210/360 |
| 350 | 480 | 60 | 231/400 | 210/360 |
| 400 | 400 | 50 | - | 210/360 |
| 400 | 440 | 60 | 217/366 | 190/330 |
| 700 | 2400 | 60 | 2000 | 1600 |
| 980 | 6900<br>2400 | 60 | | 1800 |

It is understood that two common utilization voltages are 127/220 volts at 45~. and. ~~In the majority of other cities, the utilization voltage is~~ 150/260. A frequent distribution voltage in most instances 7368 9 Kv, making it possible to use the 10,000 KVA transformer capacity

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Two common utilization voltages are 127/220 volts and 150/260 volts. Also, a frequent distribution voltage is 9 KV. It is believed that the most feasible way of utilizing the generating and transformer capacity is to feed the 127/220, or 150/260 volt systems from the generators through auto transformers. Power will then be available at the utilization voltage, and if the distribution transformers are in fact, may be stepped up to the distribution voltage and fed to the distribution system. If the distribution transformers are damaged, and the distribution voltage is 9 KV, some of the transformer capacity mentioned above can be used.




AUTO-TRANSFORMER SHOWING VOLTAGE TAPS NEEDED.

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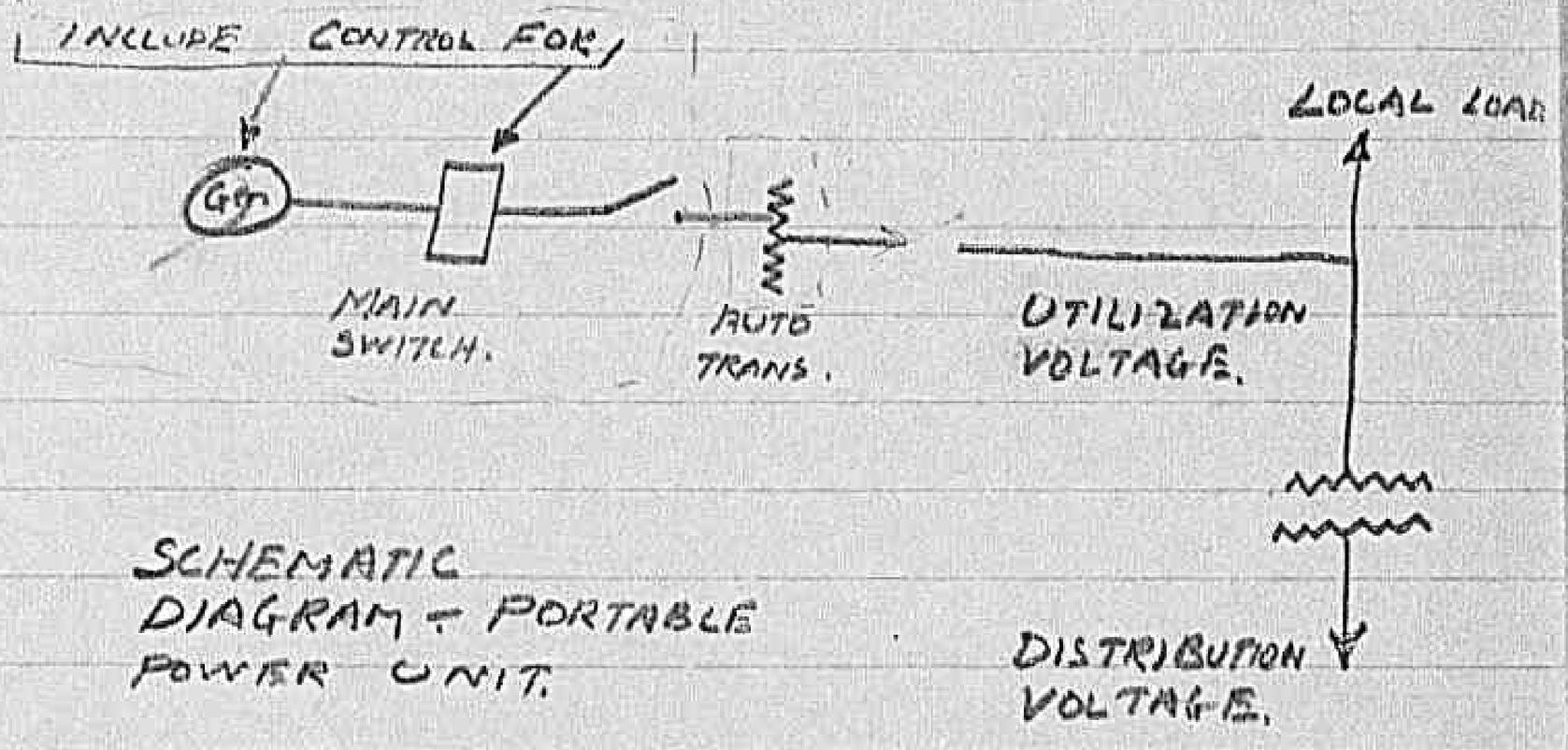
(3)

~~Provision for housing to be considered.~~

Possi

It would be preferable to have the power equipment mounted on Standard Army trailers.

Consideration should be given to the amount of housing necessary (can the equipment operate in the open?).




SCHEMATIC DIAGRAM - PORTABLE POWER UNIT.

Consideration should be given to furnishing some operators for equipment.

Spare parts to be furnished.

30-50% With trailers which are removable.

10-15. 400 - 60 cycle 440V

Wts & no available

7365

SECRET

COPY No. 20

11 Dec 43.

ENGINEER TERRAIN BULLETIN No. 6.

Issued by

The Engineer, Allied Force H.Q.

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PART I PUBLICATIONS

1. Publications Issued

A list of Intelligence Publications of Engineer interest, issued since the preparation of Terrain Bulletin No. 5 is given below.

| Ref No. | Source. | Area. | Subject. | Remarks. |
|---|---|---|---|---|
| B.389 260.14. | G-2 Sec. A.F.H.Q. | NORTHERN ITALY | Tactical Study of the Terrain. | |
| B.389 232.OI. (Lib) | " | ITALY, FRANCE, ALBANIA, YUGO-SLAVIA, GREECE and BULGARIA. | Guide to Intelligence Publications. | |
| No.22 | A.I.2(b) Air Ministry. | BALKANS and MEDITERRANEAN Area. | Airfield Development Report. | |
| No.23 | " | " | " | |
| No.25 | " | " | " | No.24 has not yet been received in this theatre. |
| No.26 | " | " | " | |
| No.27 | " | " | " | |
| No.28 | " | " | " | |
| No.29 | " | " | " | |
| K.206 | I.S.T.D. | GENOA | Port and Town. | |
| EI.2/ 629/B/ 2/1. | Ministry of Economic Warfare. | NORTHERN ITALY (Excl LIGURIA) | Manufacturing Industries. | |
| 104 | O.N.I. | ITALY | Aviation Facilities Part I. | In 2 Parts. |

PART II INFORMATION FROM OTHER SOURCES

2. Italian Insurance Agencies in ITALY

An additional list of the above agencies is shown at Appendix "A".

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| | | | | |
|---|---|---|---|---|
| | | and BULGARIA. | | |
| No.22 | A.I.2(b) Air Ministry. | BALKANS and MEDITERRANEAN Area. | Airfield Development Report. | |
| No.23 | " | " | " | |
| No.25 | " | " | " | No.24 has not yet been received in this theatre. |
| No.26 | " | " | " | |
| No.27 | " | " | " | |
| No.28 | " | " | " | |
| No.29 | " | " | " | |
| K.206 | I.S.T.D. | GENOA | Port and Town. | |
| EI.2/629/B/2/1. | Ministry of Economic Warfare. | NORTHERN ITALY (Excl LIGURIA) | Manufacturing Industries. | |
| 104 | O.N.I. | ITALY | Aviation Facilities Part I. | In 2 Parts. |

PART II INFORMATION FROM OTHER SOURCES

2. Italian Insurance Agencies in ITALY

An additional list of the above agencies is shown at Appendix "A".

PART III MAPS

3. Layout of Railway System - NORTHERN ITALY

Copies of G-2 Section, A.F.H.Q., 1:100,000 maps showing the layout of the Railway System, NORTHERN ITALY, were distributed under reference B 389.260.7.2 dated 16 Nov. 43. 7364

This map supersedes those forwarded under cover of G-2 389.260.7.2. of 6 Sep 43.



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PART III Contd.

4. Balkan Collation Maps

M.I. (T) 1:500,000 Balkan Collation Maps, TIRANA (sheet NE 40/18), CHIETI (NE 42/14), SCUTARI (NE 42/16) and KERKIRA (J34 NW), together with amplifying notes have recently been issued.

PART IV AMENDMENTS

5. To ISTD C/220 and M.I. 10(c) Road Reports

The following A.F.H.Q. amendments to the above publications were issued as follows:-

(a) ISTD C/220 Road Report on WEST CENTRAL ITALY

Amendment No. 5 dated 16 Nov.
" " 6 " 23 "
" " 7 " 28 "
" " 8 " 4 Dec.

(b) M.I.10(c) Road Routes - CENTRAL AND NORTHERN ITALY

Amendment No. 5 dated 16 Nov.
" " 6 " 23 "
" " 7 " 28 "
" " 8 " 4 Dec.

6. To "Airfields, Landing Grounds and Seaplane Bases"

The amendments to the above A.I.2(b) publication which are enumerated below have been distributed as indicated.

ITALY - Amendment No. 15 dated 19 Oct 43.
YUGOSLAVIA - " " 5 " 6 Nov 43.
ALBANIA - " " 5 " 1 Nov 43.

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Amendment No. 5 dated 16 Nov.
" " 6 " 23 "
" " 7 " 28 "
" " 8 " 4 Dec.

(b) M.I.10(c) Road Routes - CENTRAL AND NORTHERN ITALY

Amendment No. 5 dated 16 Nov.
" " 6 " 23 "
" " 7 " 28 "
" " 8 " 4 Dec.

6. To "Airfields, Landing Grounds and Seaplane Bases"

The amendments to the above A.I.2(b) publication which are enumerated below have been distributed as indi cated.

ITALY - Amendment No. 15 dated 19 Oct 43.
YUGOSLAVIA - " " 5 " 6 Nov 43.
ALBANIA - " " 5 " 1 Nov 43.



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## INSURANCE AGENCIES - ITALY

| SOCIETA RAPPRESENTATA | NOMINATIVO DELL'AGENTE | INDIR |
|---|---|---|
| | PROVINCIA DI APUANIA | |
| Abeille | Giorgini dott Niccolao | Piazza Vittorio Em. 1. |
| Abeille | Maletesta rag Aldo | Piazza Stazione 6 AULLA |
| Agrippina | Pormelli rag Italo | Via Garibaldi 36 CARRARA |
| Alleanza Securitas Esperia | Cagelli Gino | Via Vitt. Emanuele 6 MA |
| Alleanza Vita | Tucci Domenico | Via Roma 29, CARRARA |
| Ancora | Vinchesi Italo 1929 | Via Accademia 2, CARRARA |
| Anonima Grandine | Marini e Vatteroni | Piazza Farini - CARRARA |
| Anonima Infortuni | " " | " " " |
| Assicuratrice Italiana | Piccinini cav Pietro | Piazza Umberto 1 |
| " " | Giampaoli dott Roberto | Via Roma 17, CARRARA |
| Assicurazioni d'Italia | Brugnoli dott II | Via Manzoni, CARRARA |
| " Generali | Marini e Vatteroni | Piazza Farini - CARRARA |
| Ass.Generali (Agenzia Speciale) | Cagetti Gino 1928 | Via La Stagione - MASSA |
| Baloise | De Micheli e Wassmuth | APUANIA (recapito Via S |
| Cattolica | Ambrosini G | Via Grazzano CARRARA |
| Compagnia di Torino | Vatteroni cap Pacifico | Carrara (recapito Corso |
| | " " " | MARINA DI PISA |
| Eagle Star Insurance | Franzoni Ghino | Via Umberto I. MARINA DI |
| Europa | Enrico dina | Via Dante 15. MARINA DI |
| Fiume | Brugnoli dott Bruno | Piazza Farini 1. CARRARA |
| Istituto Naz. delle Assicurazioni | Vinchesi rag Italo 1927 | Via Manzoli CARRARA |
| Italia Trasporti | Ratti rag Enrico | Via Cavour 18. CARRARA |
| Italiana Vita | Regaglini Umberto 1921 | Via Garibaldi Carrara. |
| Levant | Frezza Arturo | Via Garibaldi 44. MARINA |
| Liguria | Piccinini cav Pietro | Via Roma. Carrara |
| M.I.A.B. | Beverini rag Mario | Piazza Umberto I.1. MASS |
| M.I.A.B. | Marini e Vatteroni | Piazza Farini 22. CARRA |
| M.I.A.B. | Bertonati rag Giuseppe | Via Roma 29. CARRARA |
| Norwich Union | Chiavacci Fausto | Villag S. Martino 31. C |
| Pace | Brondi Carlo | Via Roma 22. CARRARA |
| Pace | Giampaoli dott Roberto | Via Alberica - MASSA |
| Riunione Adriatica | Piccinini cav Pietro | Via Roma 17 CARRARA |
| " " | F lli Padolecchia di Ferdinando | Piazza Umberto I 1 MASSA |
| Savoia | | Via Umberto I MARINA DI |

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## INSURANCE AGENCIES - ITALY

APPENDIX "A" to Engineer Terrain Bulletin No. 6.

| NOMINATIVO DELL'AGENTE | INDIRIZZO | TELEFONO |
|---|---|---|
| **PROVINCIA DI APUANIA** | | |
| Giorgini dott Niccolao | Piazza Vittorio Em. 1. CABRARA | - |
| Maletesta rag Aldo | Piazza Stazione 6 MULLA | - |
| Pernelli rag Italo | Via Garibaldi 36 CABRARA | - |
| Cagelli Gino | Via Vitt. Emanuele 6 MASSA | - |
| Tucci Domenico | Via Roma 29, CABRARA | - |
| Vinchesi Italo 1929 | Via Accademia 2, CABRARA | - |
| Marini e Vatteroni | Piazza Farini - CABRARA | - |
| " " | " " " | 24-74 |
| Piccinini cav Pietro | Piazza Umberto 1 | 24.74 |
| Giampaoli dott Roberto | Via Roma 17, CABRARA | 70.92 |
| Brugnoli dott II | Via Manzoni, CABRARA | 25.52 |
| Marini e Vatteroni | Piazza Farini - CABRARA | 21.20 |
| Cagetti Gino 1928 | Via La Stagione - MASSA | 24.74 |
| De Micheli e Wassmuth | APUANL (recapito Via S Francesco LIVORNO) | 1.65 |
| Ambrosini C | Via Grazzano CABRARA | 86 |
| Vatteroni cap Pacifico | Carrara (recapito Corso Umberto 19. | - |
| " " " | MARINA DI PISA | |
| Franzoni Guino | Via Umberto I. MARINA DI CARRARA | - |
| Enrico dino | Via Dante 15. MARINA DI CARRARA | - |
| Brugnoli dott Bruno | Piazza Farini 1. CARRARA | - |
| Vinchesi rag Italo 1927 | Via Manzoli CARRARA | 27.11 |
| Ratti rag Enrico | Via Cavour 18. CARRARA | 9 |
| Ragaglini Umberto 1921 | Via Garibaldi Carrara. | - |
| Frezza Arturo | Via Garibaldi 44. MARINA DI CARRARA | 25.82 |
| Piccinini cav Pietro | Via Roma. Carrara | - |
| Beverini rag Mario | Piazza Umberto I.1. MASSA | - |
| Marini e Vatteroni | Piazza Farini 22. CARRARA | - |
| Bertonati rag Giuseppe | Via Roma 29. CARRARA | - |
| Chiavacci Fausto | Villag S. Martino 31. CARRARA | - |
| Brondi Carlo | Via Roma 22. CARRARA | 24.42. |
| Giampaoli dott Roberto | Via Alberica - MASSA | - |
| Piccinini cav Pietro | Via Roma 17 CARRARA | - |
| F lli Padolecchia di Ferdinando | Piazza Umberto I 1 MASSA | 25.52 |
| | Via Umberto I MARINA DI CARRARA | 70.92 |
| | | 52.09 |

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| SOCIETA RAPPRESENTATA | NOMINATIVO DELL'AGENTE | INDIRIZZO |
|---|---|---|
| Sicuria (La) | Brandi Carlo | Via Alberica 8. MASSA |
| U.C.A. | Ciancianmini Carlo | Via del Plebiscito 6 . |
| Union | Tenerani Filippo | Via Baluardo 14. CARRARA |
| Zurigo | Ratti rag Enrico | Via Garibaldi 24. CARRARA |
| | PROVINCIA DI BOLOGNA | |
| Alba | Vetteri Emelio | Via Cesare Battisti 2. |
| Abeille | Neri geom Luigi | Via S Stefano 14 |
| Alleanza Vita | Artini Mario | Via Rizzoli 3 |
| Alleanza Assicurazioni Generali | Gardi Giovanni | Via Galliera 2 |
| " " " | Tagliaferro cav Roberto | Via Zecca 2 |
| Ancora Italiana | Mascanferri ing Giulio | Via Rizzoli 22-24 |
| Anglo Caledonia | Trentino Ivo | Via Rizzoli 4. |
| Anonima Veneziana | Franchi ing cav Giorgio e ing Guido | Via della Zecca 1. |
| Assicuratrice Italiana | Ballarini ing Carlo | Via Ugo Bassi 1 |
| Assicurazioni Generali | Diamanti domm Filippo | Via Calzolerie 2 |
| Assicurazioni D'Italia | Manaresi gr.uff.ing Aurelio | Via Pignattari 1. |
| Assurances Generales | Tomadoni Tullio | Via Altabella 7 |
| Assurances Generales | Giorgi comm Roberto | Via Venezia 5 |
| Belvino | Orlandi rag A | Via Indipendenza 1 |
| Cassa Generale di Assicurazioni | Cicognani Lorenzo | Via Roma 14. |
| Cattolica | Righi rag Giovanni 1926 | Via Rizzoli 34 |
| Compagnia di Milano | Garagnani Guido 1927 | Via Calzolerie 1 |
| Compagnia di Torino | Canelia Tranquillo | Via Rizzoli 20. |
| Compagnia di Torino | Brunori Paolo | Via Oppia 14. IMOLA |
| Danubio | Albisetti Diego | Via Ugo Bassi 1 |
| Duomo | Ditta Cazzola | Via. S. Stefano 4 |
| Du omo | Masi Rosvaldo | Via Rizzoli 3 |
| E agle Star Insuranco | Orlandi rag Angelo (1918) | Via Indipendenza 2 |
| Fenice Grandine | Bassi Guglielmo | Via 3 Novembre 12 |
| Fiume | Ferrari Mazzarini Ivo | Via U Bass i 28 |
| Fondiaria | Bisini ing cav Aldo | Via Pescherio Vecchio 2 |
| Helvetia | Righi rag Giovanni | Via Rizzoli 34 |

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Sheet No. 2 to APPENDIX "A"

| NOMINATIVO DELL'AGENTE | INDIRIZZO | TELEFONO |
|---|---|---|
| Brandi Carlo | Via Alberica 8. MASSA | - |
| Cianciannini Carlo | Via del Plebiscito 6 . MASSA | - |
| Tenerani Filippo | Via Baluardo 14. CARRARA | 25.92 |
| Ratti rag Enrico | Via Garibaldi 24. CARRARA | - |
| **PROVINCIA DI BOLOGNA** | | |
| Vetteri Emelio | Via Cesare Battisti 2. | 29.794 |
| Neri geom Luigi | Via S Stefano 14 | 21.933 |
| Artini Mario | Via Rizzoli 3 | 22475 |
| Cardi Giovanni | Via Galliera 2 | 25.081 |
| Inglisferro cav Roberto | Via Zecca 2 | 23.931 |
| Mezzaferri ing Giulio | Via Rizzoli 22-24 | 21.543 |
| Trentini Ivo | Via Rizzoli 4. | 29.192 |
| Franchi ing cav Giorgio e ing Guido | Via della Zecca 1. | 263-3 |
| Bellarini ing Carlo | Via Ugo Bassi 1 | 23.912 |
| Diamanti dona Filippo | Via Calzolerie 2 | 26.245 |
| Navaresi gr.uff.ing Aurelio | Via Pignattari 1. | 23.667 |
| Tomadoni Tullio | Via Altabella 7 | 22.740 |
| Giorgi comm Roberto | Via Venezia 5 | - |
| Orlandi rag A | Via Indipendenza 1 | - |
| Ciocognani Lorenzo | Via Roma 14. | 26.208 |
| Righi rag Giovanni 1926 | Via Rizzoli 34 | 21.501 |
| Guregnani Guido 1927 | Via Calzolerie 1 | 21.848 |
| Canelia Tranquillo | Via Rizzoli 20. | 26.55 |
| Bruneri Paolo | Via Oppia 14. IMOLA | - |
| Albisetti Diego | Via Ugo Bassi 1 | 24.162 |
| Ditta Cazzola | Via. S. Stefano 4 | 24.407 |
| Masi Rosvaldo | Via Rizzoli 3 | 96.414 |
| Orlandi rag Angelo (1918) | Via Indipendenza 2 | 22.739 |
| Bassi Guglielmo | Via 3 Novembre 12 | 25.162 |
| Ferrari Mazzarini Ivo | Via U Bass i 28 | 25.262 |
| Bisini ing cav Aldo | Via Pescherie Vecchie 2 | 23.420 |
| Righi rag Giovanni | Via Rizzoli 34 | 21.601 |

Sheet No. 3 to APPENDIX "A"

| NOMINATIVO DELL'A GENT | INDIRIZZO | TELEFONO |
|---|---|---|
| Gualdi cav Elfredo | Via Sant ' Alo 3 | 29.978 |
| Fortuzzi Giovanni e Sassi | Via Fossaite 2 | 25.202 |
| Manaresi gr.uff.ing Aurelio (1923) | Via Pignattari | 23.664/5 |
| Filiale | | |
| Bisini ing cav Aldo | Via Rizzoli 20 | 23546 |
| Orioli Giuseppe | Via Pescherie Vecchie 2 | 23.420 |
| Guidicini ing cav uff G e geom R. | Via Indipendenza 13 - 14 | 25.912 |
| Orlandi rag Angelo | Via Zamboni 8. | 26.301 |
| Levi, ing Roberto | Via Indipendenza 2 | - |
| Corfini N U Alberto | Via Garibaldi 2 | 24.139 |
| Kirchmayr dott Alberto | Via Oberdan 3 | 24.169 |
| Giorgi comm. Roberto | Piazza delle Erbe 1. IMOLA | - |
| | Via Venezia 5 | 22.255 |
| Baldi Gino | Via Cesare Battisti 2 | 24.037 |
| Masi Rosvaldo | Via Rizzoli 3 | - |
| Pilati Piero | Via Rizzoli 7 | - |
| Galli dr rag Giuseppe | Via Gambrutti 5 | 23.635 |
| Gremonini cav Mario | Via Ugo Bassi 11 | 24.404 |
| Padoa G uido | Via Garibaldi 5 | - |
| F lli Romagnoli | Via S. Vitale 36. | 26.675 |
| Bartoli e Visani | Via Orsini 5 IMOLA | - |
| Battelli ing Umberto | Piazza Vittorio Emanuele 24.PORRETTA TERME | - |
| Orlandi rag Angelo (1919) | Via Indipendenze 9 | 22.739 |
| Kimondini dott Giorgio | Via d'Azeglio 14. | 24.606 |
| Bassi Guglielmo (1919) | Via 3 Novembre 12 | 25.162 |
| Bisini cav Aldo | Via Pescherie Vecchie 2. | 23.420 |
| Beradi comm Giov Battista. | Via Caprarie 4 | 24.055 |
| Franchi ing cav Giorgio & ingegnere Guido | Via Della Zecca 1 | 26.144. |
| Ponzoni Ezio | Via Battibecco 1 | - |
| Tedeschi Napoleone | Via Carbonesi 12. | - |
| - | Via Mazzini 29 | - |
| Romagnoli F lli | Via S. Vitale 36. | 26.675 |
| Pellarini ing Carlo | Via Ugo Bassi 1 | 23912 |

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| SOCIETÀ RAPPRESENTATA | NOMINATIVO DELL'AGENT | INDIRIZZO |
|---|---|---|
| I.D.A.S. | Gualdi cav Elfredo | Via Sant ' Alo 3 |
| Istituto Italiano di Previdenza | Fortuzzi Giovanni e Sassi | Via Fossaita 2 |
| Istituto Naz. delle Assicurazioni | Manaresi gr.uff.ing Aurelio (1923) | Via Pignattari |
| Istituto Naz. di Previdenza e Credito delle communicazioni | Filiale | |
| Italia Trasporti | Bisini ing cav Aldo | Via Rizzoli 20 |
| Italiana Incendi e Vita | Orioli Giuseppe | Via Pescherie Vecchie 2 |
| Italica Grandine | Guidicini ing cav uff G e geom R. | Via Indipendenza 13 - 14 |
| Italica | Orlandi rag Angelo | Via Zamboni 8. |
| Lloyd Continentale | Levi, ing Roberto | Via Indipendenza 2 |
| Metropole | Corfini N U Alberto | Via Garibaldi 2 |
| Metropole | Kirchmayr dott Alberto | Via Oberdan 3 |
| Mondo | Giorgi comm. Roberto | Piazza delle Erbe 1. IMOLA |
| Mutua Assicurazioni Enti Cooperativi Italiani | | Via Venezia 5 |
| M.I.A.B. | Baldi Gino | Via Cesare Battisti 2 |
| Mutua Riunite Grandine | Masi Rosvaldo | Via Rizzoli 3 |
| Norwich Union | Pilati Piero | Via Rizzoli 7 |
| Pace | Galli dr reg Giuseppe | Via Garibrutti 5 |
| Padana Grandine | Gremonini cav Mario | Via Ugo Bassi 11 |
| Paterna | Padoa Guido | Via Garibaldi 5 |
| Paterna | F lli Romagnoli | Via S. Vitale 36. |
| Paterna | Bartoli e Visani | Via Orsini 5 IMOLA |
| Pheniz(Incendi e Vita) | Battelli ing Umberto | Piazza Vittorio Emanuele 24.PO |
| Preservatrice | Orlandi rag Angelo (1919) | Via Indipendenze 9 |
| Previdente | Kimondini dott Giorgio | Via d'Azeglio 14. |
| Reale Grandine | Bassi Guglielmo (1919) | Via 3 Novembre 12 |
| Reale Mutua | Bisini cav Aldo | Via Pescherie Vecchie 2. |
| Riunione Adriatica di Sicuria | Beradi comm Giov Battista. | Via Caprarie 4 |
| S.A.I.P.A. | Franchi ing cav Giorgio & ingegnere Guido | Via Dolla Zecca 1 |
| S. A.L.D.A. | Ponzoni Ezio | Via Battibecco 1 |
| Savoia | Tedeschi Napoleone | Via Carbonesi 12. |
| Sicuria | - | Via Mazzini 29 |
| [illegible] | Romagnoli F lli | Via S. Vitalo 36. |
| | Pellarini ing Carlo | Via Ugo Bassi 1 |

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Sheet No. 3 to APPENDIX "A"

| NOMINATIVO DELL'AGENT | INDIRIZZO | TELEFONO |
|---|---|---|
| Gualdi cav Elfredo | Via Sant ' Alo 3 | 29.970 |
| Fortuzzi Giovanni e Sassi | Via Fossaita 2 | 25.202 |
| Manaresi gr.uff.ing Aurelio (1923) | Via Pignattari | 23.664/5 |
| Filiale | Via Rizzoli 20 | 23546 |
| Bisini ing cav Aldo | Via Pescherie Vecchie 2 | 23.420 |
| Orioli Giuseppe | Via Indipendenza 13 - 14 | 25.912 |
| Guidicini ing cav uff G e geom R. | Via Zamboni 8. | 26.301 |
| Orlandi rag Angelo | Via Indipendenza 2 | - |
| Levi, ing Roberto | Via Garibaldi 2 | 24.139 |
| Corfini N U Alberto | Via Oberdan 3 | 24.169 |
| Kirchmayr dott Alberto | Pinzza delle Erbe 1. IMOLA | - |
| Giorgi comm. Roberto | Via Venezia 5 | 22.255 |
| Baldi Gino | Via Cesare Battisti 2 | 24.037 |
| Masi Rosvaldo | Via Rizzoli 3 | - |
| Pilati Piero | Via Rizzoli 7 | - |
| Galli dr rag Giuseppe | Via Gambrutti 5 | 23.635 |
| Gromonini cav Mario | Via Ugo Bassi 11 | 24.404 |
| Padoa Guido | Via Garibaldi 5 | - |
| F lli Romagnoli | Via S. Vitale 36. | 26.675 |
| Bartoli e Visani | Via Orsini 5 IMOLA | - |
| Battelli ing Umberto | Piazza Vittorio Emanuele 24.PORRETTA TERME | - |
| Orlandi rag Angelo (1919) | Via Indipendenza 9 | 22.739 |
| Kimondini dott Giorgio | Via d'Azeglio 14. | 24.606 |
| Bassi Guglielmo (1919) | Via 3 Novembre 12 | 25.162 |
| Bisini cav Aldo | Via Pescherie Vecchie 2. | 23.420 |
| Beradi comm Giov Battista. | Via Caprarie 4 | 24.055 |
| Franchi ing cav Giorgio & ingegnere Guido | Via Della Zecca 1 | 26.144. |
| Ponzoni Ezio | Via Battibecco 1 | - |
| Tedeschi Napoleone | Via Carbonesi 12. | - |
| - | Via Mazzini 29 | - |
| Romagnoli F lli | Via S. Vitale 36. | 26.675 |
| Pallarini ing Carlo | Via Ugo Bassi 1 | 23912 |

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| SOCIETA RAPPRESENTATA | NOMINATIVO DELL'AGENTE | |
|---|---|---|
| Soc.It.Ass.Cavolli | Ott.dott.ing.cav.Federico | Via Calzol |
| Sun Insurence | Bandiera lag Ulisse | Via Indipe |
| Svizzera | Roselli Luigi | Via Ugo Bo |
| Terra | Romagnoli F lli | Via S. Vit |
| U.C.A. | Forbuzzi Giovanni | Via Fossal |
| Unione A. | Di Dio rag Giovanni | Via Indipe |
| Unione | Amani Giuseppe | Via Oberd |
| Unione Adriatica | Casadio Attillio | Via Galli |
| Vecchia Madre Grandine ed | | |
| Eguaglianza " " | Ditta Cazzola | Via S. St |
| Vittoria (già The Excess) | Masi Rosvaldo | Via Mazzo |
| " " | Crespi comm. rag Gino | Via Mazzo |
| ZURIGO | Cerè rag Guido | Via Roma |
| | Roselli Luigi | Locali Bo |
| | **PROVINCIA DI FERRARA** | |
| Abeille | Zecchi e Papi | Via Barbi |
| Abeille | Finocci Alfredo | Via Padi |
| Alleanza Securitas Esperia | Pasquali Albino | Via Borg |
| Alleanza Securitas Esperia | Piccertini cav Luigi e rag Fausto | Viale Ca |
| Alleanza Securitas Esperia | Zappi Giovanni | Via Cair |
| Alleanza Vita | Bigi Libero | Via Gari |
| Anonima Generale | Giusberti dr.Guglielmo | Via Cair |
| Anonima Vita | Minerbi Leo (1927) | Borsa di |
| Assicuratrice Industriale | Minerbi Arrigo (1923) | Borsa di |
| Assicuratrice Italiana | Bignozzi Guido | Via Cai |
| Assicurazioni d'Italia | Bur comm Giovanni (1927) | Largo C |
| Assicurazioni Generali | Babini avv.cav Antonio e Scagliarini cav | |
| " " | Carlo | Corso G |
| Assurances Generales | Giglielmi cav. Alfonso (1918) | CENTO |
| " " | Pocaterra Enrico | Via And |
| | Buzzoni Gualtiero | COPPAI |
| Cassa Generale Ass. | | FIRRA |
| | Tedeschi dr. M.C. | Corso G |

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Sheet No. 4 to APPENDIX "A"

| NOMINATIVO DELL'AGENTE | INDIRIZZO | TELEFONO |
|---|---|---|
| Ott.dott.ing.cav.Federico | Via Calzolerie 2 | - |
| Bandiera rag Ulisse | Via Indipendenza 2 | 26.436 |
| Roselli Luigi | Via Ugo Bassi 2. | 25031 |
| Romagnoli F lli | Via S. Vitale 36. | 26.675 |
| Forbuzzi Giovanni | Via Farsetti 4. | 25.202 |
| Di Dio rag Giovanni | Via Indipendenza 40 | 24.928 |
| Amani Giuseppe | Via Oberdan 4. | 22.971 |
| Casadio Attillio | Via Galliera 6. | 24.386 |
| Ditta Cazzola | Via S. Stefano 4 | 24.497 |
| Masi Rosvaldo | Via Rizzoli 3 | 26.314 |
| Crespi comm. rag Gino | Via Rizzoli 3. | 23226 |
| Cere rag Guido | Via Roma 10. BAZZANO | 1000 |
| Boselli Luigi | Locali Borsa, 27 B Via U. Bassi 2. | 25.031 |
| **PROVINCIA DI FERRARA** | | |
| Zecchi e Papi | Via Barbieri 52 CENTO | - |
| Finucci Alfredo | Via Padiglioni 9 - 11 | 30.35 |
| Pasquali Albino | Via Borgoleoni 26. | 33.21 |
| Piacentini cav Luigi e rag Fausto | Viale Cavour 10 | 39.59 |
| Zappi Giovanni | Via Cairoli 11 | - |
| Bigi Libero | Via Garibaldi 39 | 51.39 |
| Giusberti dr.Guglielmo | Via Cairoli 18 | 43.79 |
| Minerbi Leo (1927) | Borsa di Commercio | - |
| Minerbi Arrigo (1923) | Borsa di Commercio | 30.05 |
| Bignozzi Guido | Via Cairolli 6 | 47.01 |
| Bur comm Giovanni (1927) | Largo Castello 28 | 30.56 |
| Babini avv.cav Antonio e Scagliarini cav Carlo | Corso Giovecca 1 | 30.57 |
| Giglielmi cav. Alfonso (1918) | CENTO | 38 |
| Pocaterra Enrico | Via Andrea Costa 15, PORTO MAGGIORE | 6 |
| Buzzoni Gualtiero | COPPALO (recapito Via Cairoli 18 | - |
| Tedeschi dr. M.C. | FIRRARA. | 48.69 |
| | Corso Giovecca 81 | |

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| SOCIETA RAPPRESENTATA | NOMINATIVO DELL'AGENTE | D |
|---|---|---|
| Cattolica | Dalboni rag Ersinio | Via Cairoli |
| Commercial Union | Pelagrossi e Pinzi | Borsa di Co |
| Compagnia di Milano | Poari ing Corrado | Piazza Vitt |
| Compagnia di Torino | Pasquale dr Giuseppe | Via Cairoli |
| Compagnia di Londra | Favaro Giuseppe | Piazza Gari |
| Dico | Tedici rag Giuseppe | Via Cairoli |
| Europa | Ghiberti dr Guglielmo | Via Cairoli |
| Fondiaria | Gabbi dr ing Gino | Borgo Leon |
| Fondiaria Grandine | Cacciari Lorenzo | CENO |
| Fenice | Tumiati rag Guido (1927) | Palazzo Mu |
| Firmo | Tumiati Tullio | Nicolo dei |
| Fondiaria | Pelloni - Cellerani dott Giovanni e | |
| Fondiaria | Ricciglia Luigi | Via G.B. |
| | Vinci rag Giovanni | Via Alberto |
| I.N.A. | Minarini rag Giovanni | Borsa di C |
| Istituto Naz di Assicurazioni | Bar cav uff Giovanni (1927) | Largo Cast |
| Istituto Naz delle Assicurazioni | Spisani ing Giovanni (1927) | Via Cairol |
| Ligure Vita - Incendio | Cacciari geom Mario (tuttirami) | R ome - Co |
| Italia | Spisani ing Giovanni (gr) | Via Cairo |
| Italia | Zerbini Mario | Corso Fro |
| Metropolitana | Bongiovanni cav P e cav C | Corso Cio |
| Mediolanum | Giuliani E. | Via XX Se |
| Mondo | Vicini Molloni | Via G.B. |
| Monte | Zanca Francesco | Via Scoss |
| Mondo | Colombani Pietro | Via Cairo |
| Northern Union | Bianchi Elio | Corso Ba |
| Pace | Zappi Giovanni (1912) | Via Cairo |
| Pace | Spisani ing Giovanni | Via Cairo |
| Paterna | Cacciari Lorenzo | Via G.F. |
| Preservatrice (La) | Zanardi V e Paolucci R (1931) | Via dei |
| Preservatrice (La) | Tumiati Tullio | Vicolo d |
| Previdente | Ferraris Giorgio | Via Bor |
| Reale Grandine | Bignozzi Guido | Via Cair |
| Reale Mutua | Piccinato dott Urbano | Via Spa |
| Riunione Adriatica | | |
| Savoia | | |

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| | NOMINATIVO DELL'AGENTE | INDIRIZZO | TELEFONO |
|---|---|---|---|
| | Dalboni rag Ersinio | Via Cairoli 36. | - |
| | Pelogrosi e Finzi | Borsa di Commercio 75 | 39.04 |
| | Boari ing Orlando | Piazza Vittorio Emanuele 10 | 49.40 |
| | Pasquale dr Giuseppe | Via Cairoli 19. | 50.50 |
| | Favara Giuseppe | Piazza Garibaldi BONDENO | - |
| | Taddei rag Giuseppe | Via Ospedale 9 | 30.54 |
| | Gasberti dr Guglielmo | Via Cairoli 18 | 43.79 |
| | Gabbi dr ing Gino | Borgo Leoni 37. | 40.39 |
| | Cacciari Lorenzo | CENTO | - |
| | Ferrari rag Guido (1927) | Palazzo Nuova Borsa | 36.65 |
| | Tumiati Tullio | Nicolo chiuso del Teatro 2. | 40.06 |
| | Taddeoni e Cellerani dott Giovanni e | | |
| | Pisciaglia Luigi | Via G.F.Barbieri 49 CENTO | - |
| | Vivoli rag Giovanni | Via Alberto Lollio 10 | - |
| | Minarini rag Giovanni | Borsa di Commercio | - |
| ...ori | Bar cav uff Giovanni (1927) | Largo Castello 28 | 30.56 |
| | Spisani ing Giovanni (1927) | Via Cairoli 28 | 30.56 |
| | Bertoldi geom Mario (tuttirami) | Borsa Commercio | 50.00 |
| | Rossi ing Giovanni (gr) | Via Cairoli 13 | - |
| | Zerbini Mario | Corso Ercole 1 d'Este 1 | 47.18 |
| | Magagnoli cav P e cav C | Corso Giovecca 3 | - |
| | Giuliani E. | Via XX Settembre III | - |
| | Vivoli Molloni | Via G.F.Barbieri 52. CENTO | - |
| | Zarra Francesco | Via Borgoleone 12 | 41.64 |
| | Colombani Pietro | Via Cairoli 15 | 46.41 |
| | Bianchi Elio | Corso Barbieri 43. CENTO | - |
| | Zappi Giovanni (1912) | Via Cairoli 11 | 30.68 |
| | Spisani ing Giovanni | Via Cairoli 13 | 49.29 |
| | Cacciari Lorenzo | Via G.F. Barbieri 33 CENTO | - |
| | Zanardi V e Paolucci R (1931) | Via dei Romei 3 | 37.37 |
| | Tumiati Tullio | Vicolo dei Teatro 2 | 40.06 |
| | Ferraris Giorgio | Via Borgoleoni 28 | 30.59 |
| | Bignozzi Guido | Via Cairoli 6 | 47.01 |
| | Piccinato dott Urbano | Via Spadari 27 | - |

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| SOCIETA' RAPPRESENTATA | NOMINATIVO DELL ' AGENTE | INDIRIZZO |
|---|---|---|
| Sun Insurance | Bagnozzi Augusto | Borsa Commercio 1 p |
| Sicuria (La) | Giusberti dr G. | Via Cairoli 18 |
| Soc Assic Industr. | Ferrari dott Umberto | Via Borgoleoni 30 |
| U.C.A. | Settior ing Gino | Via Borgoleoni 37 A |
| Union | Mari rag Filippo | Corso Porta Reno 20 |
| Unione Subalpina Ass. | Beltrami cav Dante | Borsa dei Commercio 2 |
| Vecchia Mutua Grandine ed Eguaglianza | Taddei rag Giuseppe e Figlio | Via Canonica 9 |
| Vittoria (gia The Excess) | Gigli Dino | Corso Berbieri 66. CEN |
| " " | Pezzoli Abelo | Via XIV Giugno 1859 AR |
| " " | Forti F.U. | Corso Ercole 1 d'Este |
| " " | Cremonini Bertolazzi dott reg Guido | Via Piave 7. BONDENO |
| | PROVINCIA DI FORLI | |
| Abeille | Masotti Armando | Via delle Torri 11 |
| Abeille | Folgori Alvaro | Corso Garibaldi 26. CE |
| Abeille | Tassani Eolo | Corso Umberto I 4. RIM |
| Alleanza Securitas Esperia | Giuseppe Camriani | Via A Melandri 1. |
| " " " | Bandini Giuseppe | Via Gambalunga 6. RIMIN |
| Anonima Generale | Zanotti Sante | Via Volturno 7. |
| " " | Fratini Pellegrini | Via Flavio Bondo 4 E. |
| " " | Pasini Clodoveo | Corso d'Augusto 79 - RI |
| Anonima Vita | Zanotti Sante | Via Volturno 7 |
| Assicuratrice Industriale | Pantoli ing Annibale | Via Baratti 4 |
| " " | F lli Sartini | Piazza d'Augusto 106. R |
| Assicuratrice Italiana | Ricci Lucchi Lorenzo | Corso Vitt.Emanuele 3 |
| " " | Rasponi Tomasso | Via Carbonari 5. CESENA |
| " " | Capli Mario | Corso d'Augusto 46. RI |
| Assicurazioni d'Italia | Melli comm Francesco | Via Bruni 1 |
| Assicurazioni Generali | Monti avv Aurelio | Via Torri |
| " " " | Ronconi Ernesto | CESENA |
| " " " | Pelliccioni Antonio | RIMINI |

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| NOMINATIVO DELL ' AGENTE | INDIRIZZO | TELEFONO |
|---|---|---|
| Bagnozzi Augusto | Borsa Commercio 1 p | 32.25 |
| Giusberti dr G. | Via Cairoli 18 | 30.58 |
| Ferrari dott Umberto | Via Borgoleoni 30 | 31. |
| Settior ing Gino | Via Borgoleoni 37 A | 40.39 |
| Mari rag Filippo | Corso Porta Reno 20 | - |
| Beltrami cav Dante | Borsa dei Commercio 23 | - |
| Taddei rag Giuseppe e Figlio | Via Canonica 9 | 30.54 |
| Gigli Dino | Corso Barbieri 66. CENTO | - |
| Pezzoli Abele | Via XIV Giugno 1859 ARGENTA | - |
| Forti F.U. | Corso Ercole 1 d'Este 4 B | - |
| Cremonini Bertolazzi dott rag Guido | Via Piave 7. BONDENO | - |
| PROVINCIA DI FORLI | | |
| Masotti Armando | Via delle Torri 11 | - |
| Folgori Alvaro | Corso Garibaldi 26. CESENA | - |
| Tassani Eolo | Corso Umberto I 4. RIMINI | - |
| Giuseppe Camriani | Via A Melandri 1. | 68.80 |
| Bandini Giuseppe | Via Gambalunga 6. RIMINI | 6.51 |
| Zanotti Sante | Via Volturno 7. | - |
| Fratini Pellegrini | Via Flavio Biondo 4 E. | - |
| Pasini Clodoveo | Corso d'Augusto 79 - RIMINI | - |
| Zanotti Sante | Via Volturno 7 | - |
| Pantoli ing Annibale | Via Baratti 4 | - |
| F lli Sartini | Piazza d'Augusto 106. RIMINI | 4.49 |
| Ricci Lucchi Lorenzo | Corso Vitt.Emanuele 3 | 63.04 |
| Rasponi Tomasso | Via Carbonari 5. CESENA | 3.52 |
| Capli Mario | Corso d'Augusto 46. RIMINI | 64 |
| Melli comm Francesco | Via Bruni 1 | 61.39 |
| Monti avv Aurelio | Via Torri | 13.30 |
| Ronconi Ernesto | CESENA | 1.31 |
| Pelliccioni Antonio | RIMINI | - |

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| SOCIETA RAPPRESENTATA | NOMINATIVO DELL'AGENTE | INDIRIZZO |
|---|---|---|
| Assurances Generales | Mingozzi Nino | Via Melandri 1 |
| " " | Borra Giovanni | S.ALBERCIO |
| " " | Bertinotti Valentina | Via G. Bruno 3. RIMINI |
| Cassa Generale Ass. | Neri conte Felice | Viale Duca d'Aosta 1 |
| Cattolica | Pani Giuseppe | Largo dei Galbibi 1 |
| " | Lolli Raffaele | Via Tempio Malatestian |
| Compagnia di Milano | Neri Norino | Corso Vittorio Emanuel |
| " " " | Micca Italo | Via Mazzini 9. CESENA |
| " " " | Chinelli ing Pasquale | Corso d'Augusto 74. RI |
| Compagnia di Torino | Proli Arturo | Via delle Torri 12 |
| " " " | Abati Werter | Corso Garibaldi 30 CE |
| " " " | Petrussi rag Ferruccio | Via Tempio Malatesti |
| Duomo | Fanciaresi Domenico | Via Rainoli 12. |
| Duomo | Stella rag Doroteo | Via Tripoli 77 RIMINI |
| Europa | Ghinelli ing Pasquale | Corso d'Augusto 74. R |
| Fenice Grandine | Giunchi agr Guido | Via Volturno 7. |
| Fenice Grandine | Gualandi agr Guido | Via Ugo Bassi 3. RIMI |
| Fiume | Farneti Paolo | Via Biondini 1/3 |
| Fiume | Borghesi e Barbaresi | Corso d'Augusto 74 -C |
| Fondiaria | Lombardi Ulisse e rah Aldo | Via Vitt. Emanuele 21 |
| Fondiaria | Vicini Giulio | Corso Garibaldi 22. C |
| Fondiaria | Lancia comm Valerio | Via Cambalunga 11 RI |
| Helvetia | Vitali agr. Vasco | Via Melandri 1 |
| Ist. It.di Previdenza | Montevecchi Giulio | Via G. Allegretti 4 |
| Ist. Naz. Dotte Assic. | Melli comm Francesco | Via Bruni 1 |
| Italiana Vita e Incendio | Mercadini Giovanni | Corso Diaz 6. |
| Italica | Solaroli cav uff agr Giuseppe | Via dei Mulini 2 |
| Italica | Fonti geom Dario | VESSUCCHIO |
| M.I.A.B. | Amati geom D. | Via Amati 4 A |
| Mondo | Vitali Vasco | Via G Allegretti 4 |
| Mondo | Paganini Ariosto | Via M Brigenti 29. |
| Norwich | Carloni Vito e Carlo | Piazza Giulio Cesar |
| Pace | Bartolani U | Corso d'Augusto 74. |
| Pace | Mauri Cesare | Piazza XX Settembre |
| Pace | Piraccini Achille | Corso Garibaldi 31. |

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| NOMINATIVO DELL'AGENTE | INDIRIZZO | TELEFONO |
|---|---|---|
| ingozzi Nino | Via Melandri 1 | - |
| orra Giovanni | SALUBECIO | - |
| ertinotti Valentina | Via G. Bruno 3. RIMINI | 3.77 |
| eri cento Felice | Viale Duca d'Aosta 1 | - |
| ani Giuseppe | Largo dei Gabbili 1 | - |
| olli Raffaelo | Via Tempio Malatestiano 21. RIMINI | - |
| eri Norino | Corso Vittorio Emanuele 5. | - |
| icca Italo | Via Mazzini 9. CESENA | - |
| hinelli ing Pasquale | Corso d'Augusto 74. RIMINI | 5.24 |
| roli Arturo | Via delle Torri 12 | - |
| bati Werter | Corso Garibaldi 30 CESENA | 2.52 |
| etrussi rag Ferruccio | Via Tempio Malatestiano 1 - RIMINI | 4.94 |
| anciaresi Domenico | Via Ravenna 12. | - |
| tella rag Doroteo | Via Tripoli 77 RIMINI | - |
| hinelli ing Pasquale | Corso d'Augusto 74. RIMINI | 5.38 |
| iunchi agr Guido | Via Volturno 7. | - |
| ualandi agr Guido | Via Ugo Bassi 3. RIMINI | - |
| arnoti Paolo | Via Biondini 1/3 | - |
| orghesi e Barbaresi | Corso d'Augusto 74 -C RIMINI | - |
| ombardi Ulisse e rah Aldo | Via Vitt. Emanuele 21 | - |
| icini Giulio | Corso Garibaldi 22. CESENA | - |
| ancia comm Valerio | Via Gambalunga 11 RIMINI | 2.60 |
| itali agr. Vasco | Via Melandri 1 | - |
| ontevecchi Giulio | Via G. Allegretti 4 | 62.24 |
| olli comm Francesco | Via Bruni 1 | -61.39 |
| ercadini Giovanni | Corso Diaz 6. | - |
| olaroli cav uff agr Giuseppe | Via dei Mulini 2 | - |
| onti geom Dario | VESSUCCHIO | - |
| mati geom D. | Via Amati 4 A | - |
| itali Vasco | Via G Allegretti 4 | 62.24 |
| aganini Ariosto | Via M Brigenti 29. RIMINI | - |
| arloni Vito e Carlo | Piazza Giulio Cesare 56. RIMINI | - |
| artolani U | Corso d'Augusto 74. RIMINI | 66. |
| auri Cesare | Piazza XX Settembre | - |
| iraccini Achille | Corso Garibaldi 31.A.CESENA | - |

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| SOCIETA RAPPRESENTATA | NOMINATIVO DELL'AGENTE | INDIRIZZO |
|---|---|---|
| Padana Grandine | Pizzigati Emilio | Viale Mussolini 5 |
| Paterna | Nanni Paolo | Via Flavio Biondo 6.C |
| Paterna | Roviedi Ilo | Piazza Duomo - CESENA |
| Paterna | Zoli Gregorio | Via Cambolungo 17 RIMINI |
| Phenix Vita e Incendio | Micco Paolo | Corso Mazzini 9 CESENA |
| Preservatrice | Vitali Pasco | Via C Allegretti 4 |
| Preservatrice | Paldrati Agosa Dante | Corso Mazzini 6c CESENA |
| Previdente | Gualandi Guido | Via Ugo Bassi 3, RIMINI |
| Previdente | Bollandi rag Piero Alberto | Via Rasa 7 R Emilia |
| Reale Grandine | Ciandri geom P. Luigi | Via Volturno 7 |
| Reale Grandine | Lombardi Ulisse | Corso Vittorio Emanuele 21 |
| Reale Mutua | Lanese cav Valerio | Via Cambalungo 11 RIMINI |
| Reale Mutua | Nuccioli Luigi | Via Cambalungo 10 a RIMINI |
| Reale Mutua | Valmuzzi Alberto | Via Garibaldi 16 E |
| Riunione Adriatica | Sanarelia rag Pietro | Corso Garibaldi 17 CESENA |
| Riunione Adriatica | Ricci Lucchi Lorenzo | Corso Vitt, Emanuele 3, |
| Riunione Adriatica | Rasponati Tomaso | Via Carbonara 5. CESENA |
| Sede I.F.I. | Carli Mario | Corso d' Augusto 46 RIMINI |
| Savoia | Maghi Ercole | Via Flavio Biondo 4 E. |
| Savoia | Sansovini Raffaelo | Via Bella 1 |
| Sicuria | Mazza rag Umberto | Viale Vittorio 19 RIMINI |
| Sicuria | Fornati Paolo | Via Garibaldi 16 |
| Sicurta | Bertolani Umberto | Via Bertola 1 RIMINI |
| Soc. Assic. Industriale | Amati geom Emiliano | Via Barutti 4 |
| " " " | Bartini Fratelli | Corso d'Augusto 106 RIMINI |
| Sun Insurance | Fiorini geom Augusto | Via Celetti 1/a |
| U.C.A. | Ferrero Emilio | Via G Regnoli 45 |
| Union | Maltoni cav Balina | Corso Diaz 5 |
| Union | Migazzi Amedeo | Via Strinato 11 CESENA |
| Union | Galeffi Canzio | Corso d'Augusto 57 RIMINI |
| Unione Subalpina | Amati Sebastiano | Via Baratti 4 |
| Unione Subalpina | Galeffi Edgardo | Corso d'Augusto 57. RIMINI |
| Vecchia Mutua Grandine ed Eguaglianza | Fanciaresi Domenico | Via G Regnoli 12 |
| " " " " | Stella rag Doroteo | Via Tripoli 77 RIMINI |
| Vittoria (gia The Excess) | Tommasi Guido | Via Allegretti 6 |

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| NOMINATIVO DELL'AGENTE | INDIRIZZO | TELEFONO |
|---|---|---|
| Piazzigati Emilio | Viale Mussolini 5 | - |
| Nanni Paolo | Via Flavio Biondo 6.C | 62.24 |
| Rocchi Ilio | Piazza Duomo - CESENA | - |
| Zoli Orazio | Via Gambalunga 17 RIMINI | 1.33 |
| Micoli Italo | Corso Mazzini 8 CESENA | - |
| Vitali Tasso | Via G Allegretti 4 | 62.24 |
| Folloni geom Dante | Corso Mazzini 8c CESENA | 65 |
| Garbelli Guido | Via Ugo Bassi 3. RIMINI | - |
| Bollandi rag Piero Alberto | Via Roma 7 A CESENA | - |
| Ciavatti geom P. Luigi | Via Volturno 7 | - |
| Lombardi Ulisse | Corso Vittorio Emanuele 21 | - |
| Ianni geom Velocio | Via Gambalunga 11 RIMINI | - |
| Pucciotti Luigi | Via Gambalunga 10 A RIMINI | - |
| Valentini Alberto | Via Garibaldi 16 B | 64.69 |
| Samorgia rag Pietro | Corso Garibaldi 17 CESENA | 2.93 |
| Ricci Lucchi Lorenzo | Corso Vitt. Emanuele 3. | 63.04 |
| Ragazzini Tommaso | Via Carbonara 5. CESENA | 3.52 |
| Carli Lucio | Corso d' Augusto 45 RIMINI | 64 |
| Maghi Ercole | Via Flavio Biondo 4 E. | - |
| Sansovini Raffaele | Via Nella 1 | - |
| Mazza rag Umberto | Viale Pascoli 19 RIMINI | - |
| Fornoti Paolo | Via Garibaldi 16 | - |
| Bertolani Umberto | Via Bertola 1 RIMINI | - |
| Amati geom Decimo | Via Baratti 4 | - |
| Barbini Fratelli | Corso d'Augusto 106 RIMINI | 4.40 |
| Fiorini geom Augusto | Via Coletti 14 | - |
| Ferrero Emilio | Via G Rossoli 45 | 65.46 |
| Maltoni cav Balina | Corso Diaz 5 | - |
| Migazzi Amedeo | Via Strinato 11 CESENA | - |
| Galeffi Canzio | Corso d'Augusto 57 RIMINI | - |
| Amati Sebastiano | Via Baratti 4 | - |
| Galeffi Edgardo | Corso d'Augusto 57. RIMINI | - |
| Fanciaresi Domenico | Via G Rossoli 12 | - |
| Stella rag Doroteo | Via Tripoli 77 RIMINI | - |
| Tommasi Guido | Via Allegretti 6 | 68.14 |

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| SOCIETA' RAPPRESENTATA | NOMINATIVO DELL'AGENTE | INDIRIZ |
|---|---|---|
| Vittoria (via The Excess) | Giovanetti rag Celestino | Via Platania |
| Zurigo | Ricci Carlo | Largo dei Cal |
| Zurigo | Ravaioli Ilo | Piazza Condor |
| Zurigo | Zoli Gregorio | Via Garibaldi |
| | PROVINCIA DI GENOVA | |
| [illegible] | Cavanna rag Carlo | Corso Torino |
| [illegible] | Rag.Ghetto e Bacigalupo | Via Vittorio |
| [illegible] | Profumo Federico | Via 2.Fascio |
| | | S.PIER D'ARENA |
| [illegible] | Castellani Faustino | Via Ponte Ros |
| Assitalia | Vianello & Dietzsch | Via S Luca 15 |
| Alleanza Assicurazioni Esperia | Bacigalupo Antonio | Via Vitt Ven |
| Alleanza Assicurazioni Esperia | Cheirasco cav. Alberto | Via Magenta 1 |
| Alleanza Assicurazioni Esperia | Ghiglione Italo e Figli | Piazza Fontan |
| Alleanza Ass. Agenzia (Trasporti) | Poggi cav. Vincenzo | Largo via Ro |
| Alleanza Vita | Pratolongo Luigi | Piazza Compot |
| Alleanza | Clerici Vincenzo | Via Cesare Bal |
| Alleanza | A e V Barabino | Piazza Corrid |
| Alleanza | Soc. Commissionaria Genovese | Piazza della |
| Assicurazioni Generali | Levrero Giuseppe e Kunz | Piazza S Gio |
| Assicurazioni Generali | Guido Poggi | Portici XX S |
| Assicurazioni Generali | De Giuli Mario | Portici XX Se |
| Assicurazioni Generali | Di Varoli Marco | Via XX Settem |
| Assicurazioni Generali | Brichetto Carlo | Via Cesare Bal |
| Assicurazioni Generali | Bassi cav Giuseppe | Via Roma 15 |
| Assicurazioni d'Italia | Salt.gr.uff.Alberto Paolo (1928) | Via Boccardo 1 |
| Assicurazioni Generali | Barghini Fernando | Palazzo Esposi |
| " " | Ditta Gardini Enca | Piazza Senarega |
| " " | Levi dott Carlo | Via ZZ Settemb |
| " " | Ronco Guido | Piazza Vitt. V |

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| NOMINATIVO DELL'AGENTE | INDIRIZZO | TELEFONO |
|---|---|---|
| Giovanetti rag Celestino | Via Platonia 1 RIMINI | 4.67 |
| Ricci Carlo | Largo dei Celboli 1 | 63.80 |
| Ravaioli Ilo | Piazza Concordia. Pal. Bosi. CESENA | - |
| Zoli Gregorio | Via Gambalunga 10. RIMINI | 2.33 |
| PROVINCIA DI GENOVA | | |
| Cavanna rag Carlo | Corso Torino 42/9 | 58.695 |
| Rag.Oneto e Bacigalupo | Via Vittorio Eman 14. RAPALLO | - |
| Profumo Federico | Via 2.Fascio d'Italia 6/7. SAMPIERDARENA | - |
| Castellani Faustino | Via Ponte Reale 2.28 | 21.560 |
| Viansillo & Dietzsch | Via S Luca 15.3 | 24.503 |
| Bacigalupo Antonio | Via Vitt. Veneto 21. CHIAVARI | - |
| Cacciasco cav. Alberto | Via Negente 10. CHIAVARI | 21.17 |
| Chighione Italo e Figli | Piazza Fontana Marose 18 | 21.540 |
| Poggi cav. Vincenzo | Largo via Rana 36. | 56.151 |
| Pratolongo Luigi | Piazza Campetto 7. | - |
| Clerici Vincenzo | Via Carlo Felice 16 | - |
| A e V Barabino | Piazza Corridoni 8.2 | 22.706 |
| Soc. Commissionaria Genovese | Piazza della Vigne 6-5 | 25 918 |
| Leverare Giuseppe e Kunz | Piazza S Siro 1.2 | 21.903 |
| Guido Paggi | Portici XX Settembre 37. | 52.935 |
| De Giuli Mario | Portici XX Settembre 37. | 52.935 |
| Di Vaioli Marco | Via XX Settembre 42. | 55.953/4 |
| Brichetto Carlo | Via Carlo Felice 2 | 26.022 |
| Bassi cav Giuseppe | Via Roma 13 | 51.075 |
| | | 51.925 |
| Salt.gr.uff.Alberto Paolo (1928) | Via Boccardo 1 | 54.268 |
| | | 51.265 |
| Barghini Fernando | Palazzo Esposizione. CHIAVARA | 51.503 |
| Ditta Gardini Enca | Piazza Senarega 1 | - |
| Levi dott Carlo | Via ZZ Settembre 42. | 22.502 |
| Ronco Guido | Piazza Vitt. Veneto 2. SAMPIERDARENA | 581.582 |
| | | 41.064 |

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| SOCIETA RAPPRESENTATA | NOMINATIVO DELL'AGENTE | INDIRIZZO |
|---|---|---|
| Assicurazioni Generali | Trabucco Mirko | Piazza 5 Lampadi 14.45 |
| Belvedere | Olivero cav.Cesare rappr.generale(1913) | Piazza Vigne 6-8 |
| Boston | Fabbri cav. Giuseppe | Via Petrarca 2. |
| Caisse Generale Ass. | Italiani Giuseppe | Piazza Meridiana 41 |
| Caisse Nevale e d'Assic. | Ditta Ed. Canali fu Camilio | Via Lomellini 16 |
| Commercials | De Thierry Remy (1911) | Via S. Lorenzo 3.4 |
| Commercial Union | Balbi rag. Luigi (1932) | Via S. Lorenzo 11.8 |
| Compa. di Ass. National Suisse | Ditta Ernesto Brichetto | Vico S. Luca 4. |
| Compagnia di Milano | Boccalari Raffaello | Via C. Felice 6.1 |
| Compagnia di Torino | Parodi cav. uff. G.S.Silvio | Piazza Scuole Pie 7-8 |
| Compagnia di Torino. (tras) | Pino Vittorio | Via S. Lorenzo 12 |
| Danubio | Rosasco Edoardo | Casella Postale 736 |
| Deutsch | Oggioni Cesare | Via Ponte Reale 5.5 |
| Deutsch Ober Insurance | Pratolongo Luigi | Piazza Campetto 7. |
| " | Vianello e Dietzsch. | Via S. Lucca 15.3 |
| " | Sivori Flli. | Vico Certai 13 R |
| Europa | Ditta Brichetto E. | Vico S. Luca 4c |
| Europea | Vianello e Dietzsch (1932) | Via San Luca. 15.3 |
| Fenicia | Agenzia Generale | Via Balbi 2 |
| Federale | Bevilacqua e Solari (1931) | Via Cagnello 5.3 |
| Federale | Cabbiati Luigi | Via Balbi 5-4 |
| Fiume | Barabino A & V (1929) | Piazza Corridoni 8.13 |
| Fondiaria | Chiartelli Cesare | Via Vitt. Emanuele 35. CHIAV. |
| Fondiaria Inc.Vita Inf. | Quaglia Mario | Piazza Vigne 4. |
| Fondiaria Trasp | Coda con te cav uff A | Via S. Lorenzo 5.59 |
| Helvetia | Parazzi & De Negri | Via Orefici 6. |
| Istituto It. di Providenza | Barabino Dario | Via S. Sebastiano 11.3 |
| Istituto Naz . delle Assicurazioni | Salt gr.uff. Alberto Paolo (1928) | Via Boccardo 1 |
| Ist. Naz. di Prev. e Cred. delle Comunicazioni | Filiate | Salita S. Giovanni di Pre 1. |
| Italia Trasporti | Ho Marcello e Nipoli | SESTRI LEVANTE |

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| NOMINATIVO DELL'AGENTE | INDIRIZZO | TELEFONO |
|---|---|---|
| Trabucco Mirko | Piazza 5 Lampadi 14.45 | 25.166 |
| Olivero cav.Cesare rappr.generale(1913) | Piazza Vigne 6-8 | 23.421 |
| Fabori cav. Giuseppe | Via Petrarca 2. | - |
| Italiani Giuseppe | Piazza Meridiana 41 | 25.012 |
| Ditta Ed. Canali fu Camilio | Via Lomellini 16 | 28.203/4 |
| De Thierry Remy (1911) | Via S. Lorenzo 3.4 | 24.164 |
| Balbi rag. Luigi (1932) | Via S. Lorenzo 11.8 | 28.671 |
| Ditta Ernesto Brichetto | Vico S. Luca 4. | 23.051 |
| Boccardi Raffaello | Via C. Felice 6.1 | 23.870 |
| Parodi cav. uff. G.S.Silvio | Piazza Scuole Pie 7-8 | 21.887 |
| Pino Vittorio | Via S. Lorenzo 12 | 21.206 |
| Rossasco Edoardo | Casella Postale 736 | - |
| Oggioni Cesare | Via Ponte Reale 5.5 | 23.734 |
| Pratolongo Luigi | Piazza Campetto 7. | 21.438 |
| Vianello e Dietzsch. | Via S. Lucca 15.3 | 24.593 |
| Sivori Flli. | Vico Cartai 13 R | 23.087 |
| Ditta Brichetto E. | Vico S. Luca 4c | 26.022 |
| Vianello e Dietzsch (1932) | Via San Lucca 15.3 | 24.593 |
| Agenzia Generale | Via Balbi 2 | 28.584 |
| Bevilacqua e Solari (1931) | Via Cornello 5.3 | 54.479 |
| Cabbiati Luigi | Via Balbi 5-4 | 21.378 |
| Barabino A & V (1929) | Piazza Corridoni 8.13 | 22.705 |
| | | 27.775 |
| Chiartelli Cesare | Via Vitt. Emanuele 35. CHIAVARI | 23.35 |
| Quaglia Mario | Piazza Vigne 4. | 24.965 |
| Coda cav te cav uff A | Via S. Lorenzo 5.59 | 24.386 |
| Perazzi & De Negri | Via Orefici 6. | 22.630 |
| Barabino Dario | Via S. Sebastiano 11.3 | 52.013 |
| Salt gr.uff. Alberto Paolo (1928) | Via Roccardo 1 | 51.265 |
| | | 51.593 |
| | | 580.814. |
| Filiate | Salita S. Giovanni di Pre 1. | 62.054 |
| | | 61.169 |
| Ho Marcello e Nipoli | SESTRI LEVANTE | - |

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| SOCIETA RAPPRESENTATA | NOMINATIVO DELL'AGENTE | INDIRIZZO |
|---|---|---|
| Italia Trasporti | Vianello e Dietzsch | Via San Lucca 15. |
| It. Lloyd Incendio e Vita | Ditta Raposio e Grimaldi | Via Caffaro 1.3 |
| Italia Vita | Paggi Guido | Portici XX Settembre 37 |
| Italica | Ditta Prescetto Nicolino & C | Via S. Lorenzo 12 |
| Levante | Societa Concessionaria Genovese | Piazza Vigne 6 |
| Levante | Poggi dr Giovanni | Largo via Roma 35 |
| Levante | Albites R e T fu O | Via Ponte Reale 2 |
| Levante | Ditta Brichetto Ernesto | Vico San Luca 4 |
| Levante | Morando Mario | Salita Quattro Canti S France |
| Levante | Pescetto Nicolino & C | Via S. Lorenzo 12 |
| Levante | Villain e Fassio | Via Balbi 2 |
| Levante | Repetto G.B. | Piazza De Marini 1.11 |
| Levante | Fr.lli Edoardo e Angelo Pavia | Piazza Portello 2 |
| Levante | Ditta Parodi G.B.Silvio | Piazza Scuole Pie 7 |
| Ligure | Ditta Luigi Pratolongo | Via Banchi 3 |
| | Direzione | Piazza Vigne 4 |
| Liverpool London & Globe | Lottero Jean | Via XX Settembre 2-8 |
| Lloyd Continentale | Micli rag Pietro (1930) | Piazza Vigne 6.F |
| Lloyd di Colonia | Bevilacqua e Solari | Via Granello 5 |
| " " " | Carmi Attilio e C | Piazza Scuole Pie 7 |
| " " " | Repetto G.B. | Piazza De Marini 1 |
| Lloyd Italico e L'Ancora | Marcono Vittorio | Via XX Settembre . CHIAVARI |
| Lloyd Siciliano | - | GENOVA |
| Mannheim | Pratolongo Luigi | GENOVA Via Banchi 3 |
| Metropole | Castellani Faustino | Ponte Reale 2.28 |
| M.I.A.B. | Barghini Fernando | Via Vitt Emanuele 39. CHIAVARI |
| M.I.A.B. | Oggioni Cesare | Via Ponte Reale 5. |
| Mondo | Morando Mario | Piazza Portello 2-3 |
| Mutua Cotoni | Vianello e Dietzsch (1931) | Via San Luca 15 |
| Neuchateloise | Ditta Raddi e Orsetti | Piazza Raibetta 1 |
| Norwich Union | Fratelli Pavia | Piazza Portello 2.2 |
| " " | Defilla Giacomo | CHIAVARI |

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| NOMINATIVO DELL'AGENTE | INDIRIZZO | TELEFONO |
|---|---|---|
| Vianello e Dietzsch | Via San Luca 15. | 24.593 |
| Ditta Rapposio e Grimaldi | Via Caffaro 1.3 | |
| Paggi Guido | Portici XX Settembre 37 | - |
| Ditta Prescotto Nicolino & C | Via S. Lorenzo 12 | - |
| Societa Concessionaria Genovese | Piazza Vigne 6 | 25.918 |
| Poggi dr Giovanni | Largo via Roma 35 | 56.154 |
| Albites R e T fu O | Via Ponte Reale 2 | 25.725 |
| Ditta Brichetto Ernesto | Vico San Luca 4 | 26.022 |
| Morando Mario | Salita Quattro Canti S Francesco 7 | - |
| Pescetto Nicolino & C | Via S. Lorenzo 12 | |
| Villain e Fassio | Via Balbi 2 | 28.586 |
| Repetto G.B. | Piazza De Marini 1.11 | - |
| Fr.lli Edoardo e Angelo Pavia | Piazza Portello 2 | 54.757 |
| Ditta Parodi G.B.Silvio | Piazza Scuole Pie 7 | 21.867 |
| Ditta Luigi Pratolongo | Via Banchi 3 | 21.438 |
| Direzione | Piazza Vigne 4 | 21.304 - 24.704 |
| Lottero Juan | Via XX Settembre 2-8 | 55.359 |
| Micli rag Pietro (1930) | Piazza Vigne 6.F | 26.645 |
| Bevilacqua e Solari | Via Granello 5 | - |
| Cami Attilio e C | Piazza Scuole Pie 7 | - |
| Repetto C.B. | Piazza De Marini 1 | - |
| Marcono Vittorio | Via XX Settembre . CHIAVARI | 21.24 |
| - | GENOVA | - |
| Pratolongo Luigi | GENOVA Via Banchi 3 | 21.438 |
| Castellani Faustino | Ponte Reale 2.28 | 21.560 |
| Barghini Fernando | Via Vitt Emanuele 39. CHIAVARI | - |
| Oggioni Cesare | Via Ponte Reale 5. | - |
| Morando Mario | Piazza Portello 2-3 | 51.757 |
| Vianello e Dietzsch (1931) | Via San Luca 15 | 24.503 |
| Ditta Raddi e Orsetti | Piazza Raibetta 1 | 28.314. |
| Fratelli Pavia | Piazza Portello 2.2 | 54.757 |
| Defilla Giacomo | CHIAVARI | - |

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| Societa RAPPRESENTATA | NOMINATIVO DELL'AGENTE | INDIRIZZO |
|---|---|---|
| Pace | Morata ing Alessandro | Via XX Settembre 37 |
| Paterna | Zannoni rag Mario | Salita Polinioli 12 -4 |
| Phenix Vita e Incendio | Albites R e T | Via Pontercale 2 |
| Piemte Incendio e Vita | Perazzi Antonio | Via Orefici 6-2 |
| Praevidentia | Salt comm Alberto | Via Boccardo 1 |
| Preservatrice (La) | Pallavicini Giovanni | Via San Lorenzo 15 |
| Providentia | Selandin Serafiso | Via Garibaldi 2 |
| Reale Mutua | Barbieri Carlo (Gerente) | Via XX Settembre 31 |
| Riunione Adriatica | Bassi cav Giuseppe | Via Roma 10-4 |
| S.A.L.D-A. | Di Bariolo rag Giuseppe | Via Sottorina 97 |
| Savoia | Ditta Ed Canali fu C | Via Lamellini 8 |
| Sicurta (La) | Barabino A e V | Piazza Corridoni 5-F |
| Soc Assic. Industr. | Bancalari Pier Luigi | Via Vitt. Emanuele 29 CHIAV |
| " " " | Brichetto Carlo | Via Carlo Felice 2 |
| Sun Insurance Office. | Oberti Cesare | Via Garibaldi 7. |
| Svizzera | Carafoli Marino | Via Madonna Cristina - GENO BOLTANETO |
| Svizzera (La)(Direz) | Gardini gr. uff Aldo | Piazza Sonoroga 1 |
| " (Agenzia) | Ditta Fabbri Giuseppe | Via Petrarca 2 |
| " " | Ditta Gardini Enca | Piazza Sonarega 1 |
| Union | Capurro A e Martelli A | Via Orefici 7-3 |
| Unione Subalpina | Ronzana Valanzio | Via Ippolito d'Este 1 |
| Vittoria (gia The Excess) | Pica Alfieri March Annibalo | Palazzo Nuova Borsi 75,76,77 |
| Zurigo | Balbi e Serra (1933) | Piazza dell'Ochio 1 |
| | PROVINCIA DI IMPERIA | |
| Abeille | Cagnacci rag Angelo | Via Roma 22. SAN REMO |
| Abeille | Dott rag Squarciafichi Angelo | Via Roma 16. VENTIMIGLIA |
| Allenza Securitas Esperia | Bonavia Paolo | Corso Umberto 1. 3. SAN RE |
| Alliance | Benecke e Heywood | Via Vitt. Emanuele 8. SAN R |

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| NOMINATIVO DELL'AGENTE | INDIRIZZO | TELEFONO |
|---|---|---|
| Morata ing Alessandro | Via XX Settembre 37 | 56.235 |
| Zannoni rag Mario | Salita Polimoli 12 -4 | 21.961 |
| Albites R e T | Via Pontercale 2 | - |
| Perazzi Antonio | Via Orefici 6-2 | 14.157 |
| Salt comm Alberto | Via Boccardo 1 | 51.265 |
| | | 51.593 |
| | | 580.814 |
| Pallavicini Giovanni | Via San Lorenzo 15 | 26.578 |
| Salandin Serafiso | Via Garibaldi 2 | 23.573 |
| Barbieri Carlo (Gerente) | Via XX Settembre 31 | 51.074 |
| Bassi cav Giuseppe | Via Roma 10-4 | 51.075 |
| | | 54.915 |
| | | 54.188 |
| Di Bariolo rag Giuseppe | Via Sottorina 97 | - |
| Ditta Ed Canali fu C | Via Lamellini 8 | 28.254 |
| Barabino A e V | Piazza Corridoni 5-F | - |
| Bancalari Pier Luigi | Via Vitt. Emanuele 29 CHIAVARI | - |
| Brichetto Carlo | Via Carlo Felice 2 | 20.022 |
| Oberti Cesare | Via Garibaldi 7. | 20.322 |
| Carafoli Marino | Via Madama Cristina - GENOVA | - |
| | BOLZANETO | 20.502 |
| Gardini Gr. uff Aldo | Piazza Senoroga 1 | 56.461 |
| Ditta Fabbri Giuseppe | Via Petrarca 2 | |
| Ditta Gardini Enca | Piazza Senarega 1 | |
| Capurro A e Martelli A | Via Orefici 7-3 | |
| Ronzana Venanzio | Via Ippolito d'Aste 1 | |
| Pica Alfieri March Annibale | Palazzo Nuova Borsi 75,76,77. | |
| Balbi e Serra (1933) | Piazza dell'Oche 1 | |
| PROVINCIA DI IMPERIA | | |
| Cagnacci rag Angelo | Via Roma 22. SAN REMO | - |
| Dott rag Squarciafichi Angelo | Via Roma 16. VENTIMIGLIA | - |
| Bonavia Paolo | Corso Umberto 1. 3. SAN REMO | 56.84 |
| Benecke e Heywood | Via Vitt. Emanuele 8. SAN REMO | 50.81 |

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| SOCIETÀ RAPPRESENTATA | NOMINATIVO DELL'AGENTE | INDIRI |
|---|---|---|
| Assicurazioni Mediterranee | Bagnardi Piero | Via Gioberti - |
| " | Baruffaldi rag Domenico | Via Asclepia Ga |
| Assicurazioni d'Italia | Pongiglione rag Domenico e Vincenzo | Via Rimembranze |
| Assic. Mediterranee Generali | Lanfredi Giuseppe | IMPERIA |
| Assicurazioni Generali | Calvi cav Mario | Via Roma 14. Si |
| Assicurazioni Generales | Neri Alfredo | Via Dante 95 Si |
| Compagnia di Milano | Tarantello rag Carmelo | Via Roma 15. Si |
| Compagnia di Torino | Bonvini rag Mario | Via Gioberti 1 |
| Compagnia di Torino | Fava Giuseppe | Corso Dante 21 |
| Dunbia | Claudio Silvestro | Via Cavour 20 |
| Ducale | Bruno Tito | Corso Dante 2. |
| Eagle Star | Amnin Natale Gibelli | Villino Paolo |
| Europa | " " " | " " |
| Fenix | Goriero rag Emilio | Via Antica del |
| Fondiaria | Torello Pietro | Piazza Dante 3 |
| Fondiaria | Airenti Guido | Piazza Dante 1 |
| Istituto Italiano di Previdenza | Molinari Francesco | Via Roma 19; S |
| Istituto Nazionale delle Assicurazioni | Porrini Ercole | Via Manzoni Si |
| Italiana Previdenza Vita | Pongiglione cav.Federico e Vincenzo | Via delle Rim |
| | Imoretti Giuseppe | Via Carlo Alb |
| Lavoro | Silvestro Claudio | Via Cavour 18 |
| Ligure | Amnin Natale Gibelli | Villino Paolo |
| Lloyd Siciliano | M.Silvestro e F. | Casella Poste |
| M.I.A.T. | - | IMPERIA |
| Monte | Rag Valentini | Corso Garibal |
| | Morando Mario | SAN REMO (re |
| Pace | | 11. 2/3 tel |
| Paterna | Weilbacher Carlo | Via Vitt.Ema |
| Phenix | Meysey C Pedemonte A | Via Vitt. Ema |
| Preservatrice | Marmo cav Giulio | Corso XXIII |
| Reale Mutua | Marmo cav G.A. | Corso XXIII |
| Riunione Adriatica | Riva rag Guido | Via G Marse |
| | Begnardi Piero | Via Gioberti |

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| NOMINATIVO DELL'AGENTE | INDIRIZZO | TELEFONO |
|---|---|---|
| Bagnardi Piero | Via Gioberti - SAN REMO | 51.94 |
| Barufaldi rag Domenico | Via Asclepia Gandolfo 3 | - |
| Pongiglione rag Domenico e Vincenzo | Via Rimembranze | 70.30 |
| Lanfredi Giuseppe | IMPERIA | 80.66 |
| Calvi cav Dario | Via Roma 14. SAN REMO | 50.46 |
| Neri Alfredo | Via Dante 95 SAN REMO | - |
| Tarantello rag Camelo | Via Roma 15. SAN REMO | 58.52 |
| Bonvini rag Mario | Via Gioberti 1. SAN REMO | 58.90 |
| Fava Giuseppe | Corso Dante 21 R - PORTOMAURIZIO | 72.64 |
| C laudio Silvestro | Via Cavour 20 VENTIMIGLIA | - |
| Bruno Tito | Corso Dante 2. | - |
| Ammin Natale Gibelli | Villino Paolo | 81.12 |
| " " " | " " | 81.12 |
| Goriero Rag Emilio | Via Antica dell'Ospizio 1 | - |
| Torello Pietro | Piazza Dante 3. | 80.35 |
| Aironti Guido | Piazza Dante 1 | - |
| Molinari Francesco | Via Roma 18; SAN REMO | - |
| Porrini Ercole | Via Manzoni SAN REMO | - |
| Pongiglione cav.Federico e Vincenzo | Via delle Rimembranze | 70.30 |
| Amoretti Giuseppe | Via Carlo Alberto 104.R | - |
| Silvestro Claudio | Via Cavour 184 VENTIMIGLIA | 21.155 |
| Ammin Natale Gibelli | Villino Paolo | 81.12 |
| M.Silvestro e F. | Casella Postale 9. VENTIMIGLIA | - |
| - | IMPERIA | - |
| Rag Valentini | Corso Garibaldi 2 SAN REMO | - |
| Morando Mario | SAN REMO (recapito) Piazza Portello | |
| | 11. 2/3 tel.51757 GENOVA) | - |
| Weilbacher Carlo | Via Vitt.Emanuele 31. SAN REMO | - |
| Meysey C Pedemonte A | Via Vitt. Emanuele 10 SAN REMO | 50.81 |
| Marmo cav Giulio | Corso XXIII Marzo 14A SAN REMO | - |
| Marmo cav G.A. | Corso XXIII Marzo 14 SAN REMO | - |
| Riva rag Guido | Via G Marsaglia 1 SAN REMO | 58.10 |
| Begnardi Piero | Via Gioberti SAN REMO | 51.94 |

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| SOCIETA RAPPRESENTATA | NOMINATIVO DELL'AGENTE | INDIRIZZO |
|---|---|---|
| Riunione Adriatica | Baruffaldi rag Domenico | Via Asclepia Gando |
| S.A.I.D.A. | Moroni Concina A | Via Cavour 35. VEN |
| Soc. Assicuratrice Industriale | Rossi Dandolo | Via Dolgrano 4 |
| Sicurtà | Caradi E | Corso Dante 2 |
| Sicula | Tarantello rag Carmelo | Via Roma 15. SAN RE |
| Unione | Francois Boeykens | Via Vitt Emanuele 2 |
| Vittoria (già The Excess) | Ramona cav rag Ignazio | Via Aurelio Saln 1 |
| " " " | Gismondi dr M Manuel | Piazza Colombo 6. S |
| Zurigo | Davide Lolla | Via Dorio 7 |
| Zurigo | Silvestro Claudio e Figlio | Via Cavour 20 VENTI |
| | **PROVINCIA DI LA SPEZIA** | |
| Abeille | Trofello rag Attilio | Via Gotto 5 |
| Alleanza Ditta | Regg tamp | Via Cavour 5 |
| Alleanza Sovrana Esperia | Rapallini dott Giovanni | Via Colombina |
| Anonima Infortuni | Salvagia reg cav Italo | Via Chiodo 2 |
| Assicuratrice Industriale | Carlo Sassi | Via da Passano 8 |
| Assicuratrice Italiana | Zappa rag Giovanni (1926) | Via Manzoni 3 |
| Assicurazioni d'Italia | Tartarini rag Rinaldo | Piazza Battisti 5 |
| Assicurazioni Generali | Salnaghi rag cav Italo | Via Chiodo 2 |
| Assurances Generales Infortuni | Cardellini Clito | Via Chiodo 6 |
| Compagnia di Milano | Pontremoli rag Dino | Corso Cavour 1 |
| Compagnia di Torino | Ginatta Vittorio | Via Chiodo 21 |
| Danubio | Carabelli Edgardo | Via F D'Azeglio 1 |
| Europa | Lardon Giacomo | Piazza Verdi 4 |
| Fiume | Caldelli dott Luigi | Via Colombi na 2 |
| Fondiaria | Ciarlanti Armando | Via D'Azeglio 1 |
| Istituto Italiano di Previdenza | Lardon Giacomo | Via Torrento 7 |
| Istituto Nazionale Assicurazioni | Tartarini rag R. | Piazza C. Battisti 5 |
| Italiana Incendio e Vita | Rossi Guido | Via Curtatone 2 |
| Levant | Pagani Fausto | Viale Mazzini 1 |

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| NOMINATIVO DELL'AGENTE | INDIRIZZO | TELEFONO |
|---|---|---|
| Baruffaldi rag Domenico | Via Asclepia Gandolfo 3 | - |
| Moreni Cenzina A | Via Cavour 35. VENTIMIGLIA | - |
| Rossi Dandolo | Via Belgrano 4 | - |
| Caradi E | Corso Dante 2 | - |
| Tarantello rag Carmelo | Via Roma 15. SAN REMO | 58.52 |
| Francois Poeykens | Via Vitt Emanuele 22. SAN REMO | 51.52 |
| Ramona cav rag Ignazio | Via Aurelio Sain 1 | 71.02 |
| Gisondi dr M Manuel | Piazza Colombo 6. SAN REMO | 56.75 |
| Davida Lolla | Via Berio 7 | 81.67 |
| Silvestro Claudio o Figlio | Via Cavour 20 VENTIMIGLIA | 21.155 |
| PROVINCIA DI LA SPEZIA | | |
| Trofello rag Attilio | Via Gotto 5 | - |
| Regg temp | Via Cavour 3 | 21.550 |
| Rapallini dott Giovanni | Via Colombina | 20.232 |
| Salvaggi rag cav Italo | Via Chiodo 2 | - |
| Carlo Sassi | Via da Passano 8 | 20.531 |
| Zappa rag Giovanni (1926) | Via Menzoni 8 | 20.709 |
| Tartarini rag Rinaldo | Piazza Battisti 5 | 21.533 |
| Salnaghi rag cav Italo | Via Chiodo 2 | 20.465 |
| Cardellini Clito | Via Chiodo 6 | - |
| Pontremoli rag Dino | Corso Cavour 1 | 20.724 |
| Ginatta Vittorio | Via Chiodo 21 | 21.726 |
| Carabelli Edgardo | Via M D'Azeglio 1 | - |
| Lardon Giacomo | Piazza Verdi 4 | 21.105 |
| Caldelli dott Luigi | Via Colombi na 2 | 20.232 |
| Ciarlanti Armando | Via D'Azeglio 1 | 20.125 |
| Lardon Giacomo | Via Torrento 7 | 21.246 |
| Tartarini rag R. | Piazza C. Battisti 5 | 21.533 |
| Rossi Guido | Via Curtatone 2 | - |
| Pagani Fausto | Viale Mazzini 1 | - |

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| SOCIETA RAPPRESENTATA | NOMINATIVO DELL'AGENTE | INDIRIZZO |
|---|---|---|
| Lloyd Continentale | Mieli rag Pietro | LA SPEZIA (Recapito 6.F GENOVA) |
| Lloyd di Colonia | Marcuccetti Damocle | Via Persio 1. |
| Lloyd Italico e L'Ancora | Paganini avv Ettore | Via dei Mille 15 |
| Lloyd Siciliano | - | LA SPEZIA |
| M.I.A.B. | Zappa rag Giovanni | Via Manzoni 8 |
| M.I.A.B. | Ferro e Stratta | LA SPEZIA |
| Mondo | Morandi Mario | LA SPEZIA (Recapito 2.3 GENOVA) |
| Pace. | Stratta e Ferro | Via Torretto 3 |
| Paterna | Spezia ing G.B. | Via Chiodo 15 |
| Phoenix Risorgimento e Vita | Rossocci Armando | Via Malta 7 |
| Preservatrice | Tartarini rag Rinaldo | Piazza Battisti 5 |
| Previdente | Grassi rag Pompeo | Corso Cavour 11 |
| Reale Mutua | Conti avv. Leopoldo (1923) | Corso Cavour 24. |
| Riunione Adriatica | Zappa rag Giovanni (1926) | Via Manzoni 8 |
| Savoia | Pontremoli rag Dino | Via R De Nobili 5-10 |
| Sicurtà Cristalli | Ferro Francesco e Stratta A | Via Torretto 3 |
| Soc. Assic Industr. | Maggiani cap Augusto | Via Principe Amedeo |
| Union | Sciarretta Gennaro | Via Chiodo 27 |
| Vittoria (gia The Excess) | De Champs cav Umberto | Via Luigi Cadorna 6 |
| Zurigo | Botti geom Aldo | Via Veneto 5. |
| | PROVINCIA DI LUCCA | |
| Abeille | Finelli Alberto (1937) | Via Calderai |
| Agrippina | Nicolai avv. Cosimo | Corte Orlandini 3 |
| Alleanza | Cinquini dott Alvaro | Via Buriamacchi 11 |
| Alleanza Securitas Esperia | Pistelli Amalfi (1893) | Via Cenami 4. |
| " " " | Ciardella geom Enrico | Via B Porta Elisa 7 |
| Alleanza Vita | Maggiani Garibaldi | Via Pescheria 2 |
| Anonima Generale | Pora geom Pietro | Via della Stufa 14 |
| Assicuratrice Industriale | Toccangini Nicola (1928) | Via S. Giorgio 10 |
| Assicuratrice Italiana | Guancioli rag Carlo | Via S Paolino 1 |

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| NOMINATIVO DELL'AGENTE | INDIRIZZO | TELEFONO |
|---|---|---|
| Mioli rag Pietro | LA SPEZIA (Recapito Piazza Vigne 6.F GENOVA) | - |
| Marcuccetti Damocle | Via Persio 1. | - |
| Paganini avv Ettore | Via dei Mille 15 | - |
| - | LA SPEZIA | - |
| Zappa rag Giovanni | Via Manzoni 8 | - |
| Ferro e Stratta | LA SPEZIA | - |
| Morandi Mario | LA SPEZIA (Recapito Piazza Pontello 2.3 GENOVA) | 51.757 |
| | Via Torretto 3 | 24.001 |
| Stratta e Ferro | Via Chiodo 15 | - |
| Spezia ing G.B. | Via Malta 7 | - |
| Rossocci Amando | Piazza Battisti 5 | 21.533 |
| Tartarini rag Rinaldo | Corso Cavour 11 | 21.688 |
| Grassi rag Pompeo | Corso Cavour 24. | 21.830 |
| Conti avv. Leopoldo (1923) | Via Manzoni 8 | 20.709 |
| Zappa rag Giovanni (1926) | Via R De Nobili 5-10 | - |
| Pontremoli rag Dino | Via Torretto 3 | - |
| Ferro Francesco e Stratta A | Via Principe Amedeo 1 FOSSO | |
| Maggiani cap Augusto | Via Chiodo 27 | - |
| Sciarretta Gennaro | Via Luigi Cadorna 6 | |
| De Champs cav Umberto | Via Veneto 5. | - |
| Botti geom Aldo | | |
| **PROVINCIA DI LUCCA** | | |
| Finelli Alberto (1937) | Via Calderai | - |
| Nicolai avv. Cosimo | Corto Orlandini 3 | - |
| Cinquini dott Alvaro | Via Buriamacchi 11 | - |
| Pistelli Amalfi (1893) | Via Cenami 4. | - |
| Ciardella geom Enrico | Via B Porta Elisa 7 | - |
| Maggiani Garibaldi | Via Pescheria 2 | - |
| Pora geom Pietro | Via della Stufa 14 | 50.34 |
| Toccangini Nicola (1928) | Via S. Giorgio 10 | 61.385 |
| Guancioli rag Carlo | Via S Paolino 1 | 57.37 |

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| SOCIETA' RAPPRESENTATA | NOMINATIVO DELL'AGENTE | INDIRIZZO |
|---|---|---|
| Assicurazioni d'Italia | Porciani dott cav Alfredo (1933) | Piazza Bernardini 3 |
| Assicurazioni Generali | Brogi Settimo (1936) | Via Vitt Emanuele |
| Assurances Generales | Ratti Rag Antonio (1932) | Via S. Croce 12. |
| Baloise | Gius Pellegrini fu Guglielmo | Corso Garibaldi 54 |
| Cattolica | Leandri Giuseppe (1913) | Via Vittorio Emanuele 22 |
| Compagnia di Milano | Canovetti Cesare (1934) | Piazza Puccini 2 |
| Compagnia di Torino | Camalani Bruno (1929) | Piazza Napoleone 3 |
| Danubia | Biancalana Narciso | Piazza S. Andrea 1 |
| Europa | Polacci Carlo | FORTE DEI MARMI |
| Fondiaria | Bargellini rag Giovanni (1935) | Via Vittorio Veneto 11 |
| Fiume | Forchielli geom Antenoro | Corte Campana 4 |
| Istituto Naz. di Previdenza | Panelli rag Mario (1934) | Via della Polveriera |
| Istituto Naz. delle Assicurazioni | Porciani cav dot t Alfredo (1933) | Piazza Bernardini 3 |
| Italiana Previdente Vita | Pittaluga Francesco | Via Di Poggio 8 |
| Lloyd di Olanda | Giuseppe Pellegrini | Corso Garibaldi 54 |
| Lloyd Siciliano | - | LUCCA |
| Metropolis | Fornaciari Ulemi Ada | Via dell'Arancio 7 |
| Mediterranea | Panelli rag Mario | Via della Polveriera 8 |
| Mondo | Pochini rag Enzo | LUCCA (recapito: Via delle C tel 21.778 FIRENZE) |
| Norwich Union | Fratelli Fantezzi (1936) | LUCCA |
| Pace. | Ambrogi comm G. | Via Vitt, Emanuele 11 |
| Pace. | Pascaglia rag A. | Via Ugo Foscolo 10. VIA REG |
| Paterna | Cavalletti Mario (1936) | Piazza S. Michele |
| Previdente | Moriconi rag Vezio (1930) | Via Mordini |
| Reale Grandine | Bargellini rag Giovanni | Via Vitt Veneto 11 |
| Reale Mutua | Cappelletti cav Silla e Giannessi rag D. (1936) | Piazza Bernardini 4 |
| Riunione Adriatica | Guancioli rag Carlo (1929) | Via San Paolino 1 |
| Sicuria (La) | Galli Cesare | Piazza S. Giusto 4 |
| Soc.Assic Industr. | Toccangini Nicola | Via S. Giorgio 16 |
| U.C.A. | Panelli rag Mario | Via della Polveriera 3 |
| Union | Dighero Giovanni (1936) | Via Calderia 4 |
| Vittoria (gia The Excess) | Martinelli Adolfo Gino | Via S.Domino 6 |
| " " " " | Papini geom Leone | Via Cavour 9 ALTOPASCIO |

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| NOMINATIVO DELL'AGENTE | INDIRIZZO | TELEFONO |
|---|---|---|
| Porciani dott cav Alfredo (1933) | Piazza Bernardini 3 | 52.02 |
| Brogi Settimo (1936) | Via Vitt Emanuele | 57.42 |
| Ratti Rag Antonio (1932) | Via S. Croce 12. | 57.79 |
| Gius Pellegrini fu Guglielmo | Corso Garibaldi 54 | 61.156 |
| Leandri Giuseppe (1913) | Via Vittorio Emanuele 22 | 61.454 |
| Canovetti Cesare (1934) | Piazza Puccini 2 | 50.10 |
| Camalani Bruno (1929) | Piazza Napoleone 3 | |
| Biancalana Narciso | Piazza S. Andrea 1 | - |
| Polacci Carlo | FORTE DEI MARMI | - |
| Bargellini rag Giovanni (1935) | Via Vittorio Veneto 11 | 61.860 |
| Forchielli geom Antenoro | Corto Campana 4 | 54.77 |
| Panelli rag Mario (1934) | Via della Polveriera | |
| Porciani cav dot t Alfredo (1933) | Piazza Bernardini 3 | |
| Pittaluga Francesco | Via Di Poggio 8 | - |
| Giuseppe Pellegrini | Corso Garibaldi 54 | 61.156 |
| - | LUCCA | |
| Formaciari Ulemi Ada | Via dell'Arancio 7 | 61.211 |
| Panelli rag Mario | Via della Polveriera 8 | - |
| Pochini rag Enzo | LUCCA (recapito: Via delle Oche 5. tel 21.778 FIRENZE) | - |
| Fratelli Fantezzi (1936) | LUCCA | - |
| Ambrogi comm G. | Via Vitt, Emanuele 11 | |
| Pascaglia rag A. | Via Ugo Foscolo 10. VIA REGGIO | - |
| Cavalletti Mario (1936) | Piazza S. Michele | - |
| Moriconi rag Vezio (1930) | Via Mordini 12 | 61.376 |
| Bargellini rag Giovanni | Via Vitt Veneto 11 | 61.360 |
| Cappelletti cav Silla e Giannessi rag D. (1936) | Piazza Bernardini 4 | 57.62 |
| Guancioli rag Carlo (1929) | Via San Paolino 1 | 57.37 |
| Galli Cesare | Piazza S. Giusto 4 | - |
| Toccangini Nicola | Via S. Giorgio 16 | 61.365 |
| Panelli rag Mario | Via della Polveriera 3 | 55.72 |
| Dighero Giovanni (1936) | Via Calderia 4 | 58.78 |
| Martinelli Adolfo Gino | Via S.Domino 6 | - |
| Papini geom Leone | Via Cavour 9 ALTOPASCIO | - |

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| SOCIETA' RAPPRESENTATA | NOMINATIVO DELL'AGENTE | INDIRIZZO |
|---|---|---|
| Vittoria (già The Excess) | Bastieni Giulio | Via XX Settembre 52. |
| Zurigo | Juon Enrico (1936) | Via San Giorgio 10-b |
| | PROVINCIA DI MODENA | |
| Aboille | Braglia Orelio (1926) | Via Farina 1 |
| Abeille | Marri Giuseppe | Piazza Garibaldi 6. |
| Abeille | Guerra Afro | Galleria della Borsa |
| Abeille | Ugolini Archimede | Corso Cavour 7. FIN |
| Alleanza Assicurazioni Esperia | Dalaiti Gian Enzo(1927) | Via Gherarda 4 |
| Alleanza Vita | Tellio rag Feraccio | Via Farini 10 |
| Anonima Vita | Salamini Giuseppe | Corso Grande Canal |
| Assicurazioni Industriale | Monvani Elio e Arturo Martini | Corso Canal Chiaro |
| Assicurazioni Italiana | Righetti ing Eugenio (1914) | Via Farini 1 |
| Assicurazioni d'Italia | Pesavento rag Domenico | Piazza Mazzini 4 |
| Assicurazioni Generali | Veronesi e Osima (1929) | Via Farini 14. |
| Assicurazioni Generali | Vecchi Ugo | Via Castellaro 12 |
| Assicurazioni Generali | Galli Alfredo | Via Canalino 18 |
| Casse Nazionali Ass. | Tibertelli d ll dott Leone | Corso Canal Grande |
| Cattolica | Bentivoglio dott cav Conte Alfonso | Via Emilia 34 |
| Commercial Union | Neviani Odino (1932) | Via Donzi 4 |
| Compagnia di Milano | Riva Remo | Via Emilia 18 |
| Compagnia di Torino | Camurri Mario | Piazza Mazzini 6 |
| Compagnia di Torino | Malavasi Mario | Piazza Umberto 1 MI |
| Dembio | Tibertelli dott Leone | Corso Canal Grande |
| Duomo | Masi Glac. Alberto (1928) | Via Castellaro 31 |
| Fenice Grandine | Bertoni Giulio e Giuseppe | Via Canal Grande 32 |
| Fenice Grandine | Sgarbi Egidio | Via Cavallotti 3 |
| Fiume | Pondrelli e Ranzi | Piazza XX Settembre |
| Fondiaria | Manzini ing cav C | Via S. Carlo 2 |
| Helvetia | Bertoni Francesco | Corso Canal Grande |
| I.D.A.S. | Direzione Generale | Piazza Mazzini 1 |
| Istituto Italiano di Previdenza | Salamini Giuseppe | Corso Canal Grande |
| Istituto Naz.delle Assicurazioni | Pesavento rag Domenico | Piazza Mazzini 4 |

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Sheet No. 17 to APPENDIX "A"

| NOMINATIVO DELL'AGENTE | INDIRIZZO | TELEFONO |
|---|---|---|
| Bastiani Giulio | Via XX Settembre 52. VIAREGGIO | - |
| Juon Enrico (1936) | Via San Giorgio 10-bis. | 61.177. |
| AGENZIA DI MODENA | | |
| Braglia Orelio (1926) | Via Farina 1 | 73.17 |
| Marri Giuseppe | Piazza Garibaldi 6. CARPI | - |
| Guerra Afro | Galleria della Borsa -MIRANDOLA | - |
| Ugolini Archimede | Corso Cavour 7. FINALE EMILIA | - |
| Delaiti Gian Enzo (1927) | Via Gherarda 4 | 25.31 |
| Tello rag Ferruccio | Via Farini 10 | 45.22 |
| Salmani Giuseppe | Corso Grande Canal 34 | - |
| Monzani Mio e Arturo Martini | Corso Canal Chiaro 50 | 24.66 |
| Righetti ing Eugenio (1914) | Via Farini 1 | 22.23 |
| Pesavento rag Domenico | Piazza Mazzini 4 | 27.11 |
| Veronesi e Osima (1929) | Via Farini 14. | 24.05 |
| Vecchi Ugo | Via Castellaro 12 | - |
| Galli Alfredo | Via Canalino 18 | - |
| Tibertelli M H dott Leone | Corso Canal Grande 14 | 32.60 |
| Bentivoglio dott cav Conte Alfonso | Via Emilia 34 | 37.13 |
| Neviani Odino (1932) | Via Donzi 4 | 42.29 |
| Riva Remo | Via Emilia 18 | 37.34 |
| Comuzzi Mario | Piazza Mazzini 6 | 28.51 |
| Malavasi Mario | Piazza Umberto 1 MIRANDOLA | - |
| Tibertelli dott Leone | Corso Canal Grande 7. | - |
| Masi Glac. Alberto (1926) | Via Castellaro 31 | 35.66 |
| Bertoni Giulio e Giuseppe | Via Canal Grande 32 | 34.43 |
| Sgarbi Egidio | Via Cavallotti 3 MIRANDOLA | - |
| Pondrelli e Ranzi | Piazza XX Settembre 1 | 42.01 |
| Manzini ing cav C | Via S. Carlo 2 | 22.15 |
| Bertoni Francesco | Corso Canal Grande 32 | 34.43 |
| Direzione Generale | Piazza Mazzini 1 | 29.30 |
| Salomini Giuseppe | Corso Canal Grande 34 | - |
| Pesavento rag Domenico | Piazza Mazzini 4 | 27.11 |

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| SOCIETA RAPPRESENTATA | NOMINATIVO DELL'AGENTE | INDIRIZZO |
|---|---|---|
| Italiana Assicurazioni | Veliani Ugo | Piazza Mazzini 10 |
| Italica | Consorzio Agrario Coop di Modena | Via Servi 13 |
| Italica | Benassi | CASTELFRANCO |
| Italica | Grana Francesco | MIRANDOLA |
| Italo Continentale | Veliani Ugo | Piazza Mazzini 10 |
| Metropolitana | Vecchi Ugo | Via Castellaro 12 |
| Monte | Pignatti rag Conte Giovanni | Piazza Mazzini 1 |
| Norwich Union | Minozzi col. cav. Giuseppe | Via Mazzoni 1 |
| Pace | Zaroli Carlo e Cavani cav | Via San Carlo 6 |
| Padana Grandine | Minozzi col. cav Giuseppe | Via Mazzoni 1 |
| Fatarna | Bertoni Giuseppe | Corso Canal Grande 32 |
| Phenix Fire Office | Vaudina cav Carlo e Casoli A | Corso Vitt Emanuele 16 |
| Previdente (La) | Casoli Agostino | Corso Vittorio Emanuele 16 |
| Previdente | Righetti Umberto | Via Modonella 2 |
| Previdente | Alberto Giacomo Masi | Via Castellaro 6-6 |
| Reale Mutua | Manzini ing. cav. C (1900) e ing | |
| | Guastalla E. | Via San Carlo 2 |
| Reale Italia | Greco cav. dott Eugenio | Piazza Maggiore 15. |
| Riunione Adriatica | Righetti Ing Ercente | Via Fanti 1 |
| Sicula (La) | Galli Alfredo | Via Canalino 13 |
| Sun Insurance Office | Valenti ing Federico | Via Canalino 21 |
| Soc. Italo Inglese | Merlini A e Manzani E | Via S Eufemia 1 |
| Svizzera (La) | Masoliani C.F. | Via Modonella 2 |
| U.C.I. | Salamini Giuseppe | Corso Canal Grande 34 |
| Union | Severi ing Severo (1928) | Via Martiri Fascisti 2 |
| Vecchia Mutua Grandine ed Eguaglianza | Masi Cav. Alberto (1928) | Via Castellaro 51 |
| Vittoria (gia The Excess) | Colombini e Paltrinieri | MODENA |
| " " " " | Molinari cav Arnoldo | Via Fenile 4a MIRANDOLA |
| " " " " | Puviani geom Gherardo | Via Aurelio Saffi 17. FINALE |
| Zurigo | Bentivoglio conte Enzo | Via Emilia 34 |

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| | NOMINATIVO DELL'AGENTE | INDIRIZZO | TELEFONO |
|---|---|---|---|
| | Velicni Ugo | Piazza Mazzini 10 | - |
| | Consorzio Agrario Coop di Modena | Via Servi 13 | 32.06 |
| | Bonzani | CASTELFRANCO | - |
| | Grana Francesco | MIRANDOLA | - |
| | Vellani Ugo | Piazza Mazzini 10 | - |
| | Vecchi Ugo | Via Castellaro 12 | 44.77 |
| | Pignatti reg Conte Giovanni | Piazza Mazzini 1 | - |
| | Minozzi col. cav. Giuseppe | Via Mazzoni 1 | - |
| | Zanoli Carlo e Cavani cav | Via San Carlo 8 | 25.60 |
| | Minozzi colo. cav Giuseppe | Via Mazzoni 1 | - |
| | Bertoni Giuseppe | Corso Canal Grande 32 | 34.43 |
| | Vandini cav Carlo e Casoli A | Corso Vitt Emanuele 16 | 23.38 |
| | Casoli Agostino | Corso Vittorio Emanuele 16 | 23.38 |
| | Righetti Alberto | Via Modenalle 2; | - |
| | Alberto Giacomo Masi | Via Castellaro 6-8 | - |
| | Manzini Avv. cav C (1900)o ing | | |
| | Guastalla E | Via San Carlo 2 | 22.15 |
| | Greco o avv. dott Ergento | Piazza Maggiore 15. | 27.54 |
| | Righetti Ing Eg ente | Via Fardi 1 | 22.23 |
| | Galli Alfredo | Via Cavallina 18 | 23.03 |
| | Valenti Avv Federico | Via Cavallina 21 | 33.37 |
| | Martini A e Monzani E | Via S Eufemia 1 | 24.06 |
| | Mascellani Cav. | Via Modonella 2 | - |
| | Salamini Giuseppe | Corso Canal Grande 34 | - |
| | Severi Avv Severo (1928) | Via Martiri Fascisti 2 | 23.27 |
| glianza | Masi Cisc. Alberto (1928) | Via Castellaro 37 | 35.66 |
| | Colombini e Paltrinieri | MODENA | 32.10 |
| | Molinari cav Arnoldo | Via Fenice 4a MIRANDOLA | 2.22 |
| | Puviani geom Ghererdo | Via Aurelio Saffi 17. FINALE E | 7 |
| | Bentivoglio conte Enzo | Via Emilia 4 | 37.13 |

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| SOCIETA RAPPRESENTATA | NOMINATIVO DELL'AGENTE | INDIRIZZO |
|---|---|---|
| | PROVINCL. DI PARMA | |
| Aboille | Ceci Vincenzo (1927) | Via Carducci 18 |
| Aboille | Barigazzi geom Aloido | FIDENZA |
| Alleanza Securitas Esperia | Marchi dott Armando (1928) | Via Universita 4 |
| Alleanza Vita | — | Via Cavour 15 |
| Anonima Generale | Busi Carlo | Via S Vitale 6 |
| Anon. Grandine e An.Infortuni | Cusani Marchese comm arch Lamberto (1915) | |
| Ancona Vita | Reggenza temp Petrucchi Vincenzo | Via Farini 34 |
| Assicuratrice Industriale | Montanari geom Franc (1924) | Via Universita 4 |
| Assicuratrice Italiana | Gnecchi dott massimiliano Ugo | Via Farini 34. |
| " | Rigoni Piero | Via Dante 3 |
| Assicurazioni d'Italia | Stevani comm dott V (1931) | Via Vitt Eman 67 FIDENZA |
| Assicurazioni Generali | Cusani march comm arch L. | Piazza Garibaldi 32 |
| Assurances Generales | Garsi rag Luiga | Via Farini 34 |
| Cassa Generale | Bozzani Celestino | Via Farini 5 |
| Cattolica | Rondani geom Luigi (1923) | Via Farini 31 |
| Compagnia di Milano | Rondani ing Camillo | Borgo Leon d'Oro 6 |
| Compagnia di Torino | Ponzini Guido | Borgo S. biagio 2 |
| " " " | | Via Vittorio Emanuele 2. |
| " " " | Zaler a geom Renato | DI TARO |
| " " " | Garsi rag A.R. | Via Sauro 5 |
| Dembio | Vasoli Silvio | Via Farini 11 |
| Ducmo | Campiani Adolfo | Via G. Tommasini 22 |
| Europa | G.Vicini | Borgo Antini 3 |
| Fenico Grandine | Rossi cav Luigi | Borgo G Tommasini 21 |
| Fiume | Alessandri rag Pietro | Via Carducci 24 |
| Fondiaria | Varoli-Piazza dott G (1922) | Via Parmigianino 4-A |
| I.D.A.S. | Carpi rag Giorgio | Via al Duomo 7 |
| Istituto Italiano di Previdenza | Carpi rag Giorgio (1929) | Via N Sauro 15 |
| Istit.Naz.delle Assicurazioni | Stevani comm dott V (1931) | Via N. Sauro 15 |
| | | Piazza Garibaldi 32 |

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| NOMINATIVO DELL'AGENTE | INDIRIZZO | TELEFONO |
|---|---|---|
| PROVINCIA DI PARMA | | |
| Ceci Vincenzo (1927) | Via Carducci 18 | 23.71 |
| Bariggi geom Alcide | FIDENZA | - |
| Marchi dott Armando (1928) | Via Universita 4 | 38.58 |
| - | Via Cavour 15 | 28.75 |
| Busi Carlo | Via S Vitale 6 | 24.98 |
| Cusani Marchese comm arch Lamberto (1915) | Via Farini 34 | 27.77 |
| Reggenza temp Petrucchi Vincenzo | Via Universita 4 | 37.14 |
| Montanari geom Franc (1924) | Via Farini 34. | 21.33 |
| Gnocchi dott massimiliano Ugo | Via Dante 3 | 29.89 |
| Rigoni Piero | Via Vitt Eman 67 FIDENZA | - |
| Stevani comm dott V (1931) | Piazza Garibaldi 32 | 4.72 |
| Cusani march comm arch L. | Via Farini 34 | 27.77 |
| Garsi rag Luiga | Via Farini 3 | 24.90 |
| Bozzani Celestino | Via Farini 31 | 39.50 |
| Rondani geom Luigi (1923) | Borgo Leon d'Oro 6 | 26.30 |
| Rondani ing Camillo | Borgo S. Biagio 2 | 24.02 |
| Ponzini Guido | Via Vittorio Emanuele 2. BORGO VAL DI TARO | - |
| Zaler a geom Renato | Via Sauro 5 | 20.60 |
| Garsi rag A.R. | Via Farini 11 | 24.90 |
| Vasoli Silvio | Via G. Tomassini 22 | - |
| Compiani Adolfo | Borgo Antini 3 | 25.32 |
| G.Vicini | Borgo G Tomassini 21 | - |
| Rossi cav Luigi | Via Carducci 24. | 35.09 |
| Alessandri rag Pietro | Via Parmigianino 4-A | 39.39 |
| Varoli-Piazza dott G (1922) | Via al Duomo 7 | 26.76 |
| Carpi rag Giorgio | Via N Sauro 15 | 37.14 |
| Carpi rag Giorgio (1929) | Via N. Sauro 15 | 37.14 |
| Stevani comm dott V (1931) | Piazza Garibaldi 32 | 4.72 |

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| SOCIETA RAPPRESENTATA | NOMINATIVO DELL'AGENTE | INDIRIZZO |
|---|---|---|
| Italiana Incendio Vita | Degli Antoni Giovanni | Via Dante 1 |
| Levant | Acerbi Giacomo | Via del Parmigianino 6 |
| Lloyd Continentale | Baroni Renato | Via Zarn. 2 |
| Metropole | Gandini geom Alfredo (1929) | Via Farini 16. |
| Metropole | Volpini Luigi | Viale Pallavicino 6. |
| M.I.A.B. | Custodi Marchese Lamberto | Via Farini 34 |
| Mondo | Vasoin Giuseppe e Aldo (1912) | Via Universita 14 |
| Norwich Union | " " " | " " |
| Pace | Cavalieri rag Cesare | Piazza C Battisti 5 |
| Paterna | Vicini Giuseppe (1929) | Via Tommasini 5 |
| Paterna | Pisani Vittor | Via G Bondi 4 FIDENZA |
| Phenix Inc. e Vita | Furia Renato | Via Farini 34 |
| Preservatrice | Dovara cav rag Giuseppe | Via Farini 34 |
| Providentia | Acerbi Giacomo | Via Parmigianino 8 |
| Reale Grandine | Varoli Piazza dott Cesare | Strada del Duomo 13 |
| Reale Grandine | Panelli Giuseppe (1909) | BUSSETO |
| Reale Grandine | F.lli Campanini | FIDENZA |
| Reale Mutua | Ricci dott Umberto | Via Garibaldi 12 |
| Riunione Adriatica | Massimiliano dott Ugo Gnecchi | Via Dante 3 |
| Riunione Adriatica | Rigoni Piero | Via Vitt Eman 67 |
| S.A.L.D.A. | Cavalieri rag Cesare | Piazza C. Battisti 5 |
| Sicuria | Ceci Vicenzo | Via Garibaldi 2 |
| Soc. Assic. Industr. | Montenari geom Francesco | Via Farini 8 |
| Sun Insurance Off.L.T.D. | Spreafichi ing. cav Torquato | Via Branchi 26 |
| Svizzera | Mariotti Umberto | Via Universita 4 |
| Terra | Carpi rag Giorgio | Via Nazario Sauro 15 |
| U.C.A. | Rossi cav Luigi | Via Carducci 24 |
| Union | Gestione diretta | PARMA |
| Unione Subalpina | Bertani Alfredo | Via Piacenza ang piazza |
| Vecchia Mutua Grandine ed Equaglianza | Campiani Adolfo | Borgo Antini 3 |
| Vittoria (gia The Excess) | Brandini rag E e f.llo | Via C Battisti 4 |
| Zurigo | Rondani geom Luigi | Borgo Leon d'Oro 8 |

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| NOMINATIVO DELL'AGENTE | INDIRIZZO | TELEFONO |
|---|---|---|
| Degli Antoni Giovanni | Via Dante 1 | - |
| Acerbi Giacomo | Via del Parmigianino 8 | 33.79 |
| Baroni Renato | Via Zarc 2 | - |
| Gandini geom Alfredo (1929) | Via Farini 16. | 38.83 |
| Volpini Luigi | Viale Pallavicino 6. BUSSETO | - |
| Cusani Marchese Lamberto | Via Farini 34 | - |
| Vasoin Giuseppe e Aldo (1912) | Via Universita 14 | 25.79 |
| " " " | " " | " |
| Cavalieri rag Cesare | Piazza C Battisti 5 | 33.40 |
| Vicini Giuseppe (1929) | Via Tommasini 5 | 36.95 |
| Pisani Vittor | Via G Bondi 4 FIDENZA | - |
| Furia Renato | Via Farini 34 | - |
| Dovara cav rag Giuseppe | Via Farini 34 | 26.37 |
| Acerbi Giacomo | Via Parmigianino 8 | 33.79 |
| Varoli Piazza dott Cesare | Strada del Duomo 13 | 26.76 |
| Panelli Giuseppe (1909) | BUSSETO | - |
| F.lli Campanini | FIDENZA | 82.84 |
| Ricci dott Umberto | Via Garibaldi 12 | 34.28 |
| Massimiliano dott Ugo Gnocchi | Via Dante 3 | 29.80 |
| Rigoni Piero | Via Vitt Eman 67 | - |
| Cavalieri rag Cesare | Piazza C. Battisti 5 | - |
| Ceci Vicenzo | Via Garibaldi 2 | 24.02 |
| Montanari geom Francesco | Via Farini 8 | 21.33 |
| Spreafichi ing. cav Torquato | Via Branchi 26 | 30.56 |
| Mariotti Umberto | Via Universita 4 | - |
| Carpi rag Giorgio | Via Nazario Sauro 15 | 37.14 |
| Rossi cav Luigi | Via Carducci 24 | 35.09 |
| Gestione diretta | PARMA | 30.34 |
| Bertani Alfredo | Via Piacenza ang piazzale Assistenza 8 | 35.00 |
| Campiani Adolfo | Borgo Antini 3 | 25.32. |
| Brandini rag E e f.llo | Via C Battisti 4 | 24.44 |
| Rondani geom Luigi | Borgo Leon d'Oro 8 | 26.30 |

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| SOCIETA RAPPRESENTATA | NOMINATIVO DELL'AGENTE | INDIRIZ |
|---|---|---|
| | PROVINCIA DI PIACENZA | |
| Abeille | Lenti rag Luigi (1922) | Via Verdi 23 |
| Alleanza Securitas Esperia | Piva Giuseppe | Via Romagnosi 52 |
| Alleanza Vita | Riva cav uff Giacomo | Via Mandelli 17 |
| Alliance | Cagnoni ag Guido | Via Città della 26 |
| Anonima Generale | Taini dott G. | Via del Pavone 4 |
| Assicuratrice Industriale | Iselli rag Umberto | Piazzale Stazione |
| Assicuratrice Italiana | Morandi ing Carlo | Corso Garibaldi 7 |
| Assicuratrice Italiana | Orlandini Giuseppe | Via Cap.Luigi Boe |
| Assicurazioni d'Italia | Miglioli rag Mario | Piazza Cavalli |
| Assicurazioni Generali | Merlini geom Achille | Piazza Cavalli 6 |
| Assurances Generales | Donelli rag cav Pier Alberto | Via Roma 35 |
| " " | Maggi Cino | Via Abbadia 20 |
| Cessa Generale | Casadei Nello | Via Mazzini 32 |
| Cattolica | Lancellotti Giuseppe (1923) | Via S. Sant'Antonio |
| Compagnia di Milano | Cogri ing Giuseppe (1910) | Via Mazzini 30 |
| Compagnia di Torino | Berardi comm rag E e dr G | Via Mandelli 11 |
| Ducmo | Gruzza rag Alvise e dott Vegezzi | Via S. Antonino |
| Fiume | Strazzoni rag Gianni | Via Vitt Emanuel |
| Fondiaria | Guerci Lazzaro | Via Garibaldi 15 |
| Fondiaria | Pecci rag Renato e Remo | Via Cavour 35 |
| Helvetia | Bonfanti ing Andrea | Via Roma 139 |
| Istit.Naz.delle Assicurazioni | Miglioli rag Mario (1932) | Piazza Cavalli |
| Istituto Italiano di Previdenza | Fon di Moiso rag L.(1921) | FIORENZUOLA |
| Italiana Incendio Vita | Cella dott Giuseppe e Celli Alfonso | Via Roma 35 |
| Italica | Poggi Longostrevi rag cav Vittorio | Via S. Martino 1 |
| Liverpool London & Globo | Solari comm ing Giuseppe | Via F Chiapponi |
| Lloyd Continentale | Panni rag Giuseppe | Via Sopramuro 60 |
| Lloyd Italico e L'Ancora | Tamagni Bruno | Via Cavour 15 |
| Metropolo | Mozzon Francesco | Corso Garibaldi 16 |
| M.I A.B. | Primo Cons Agrario Coop Piacentino | Via Mandelli 17 |

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| NOMINATIVO DELL'AGENTE | INDIRIZZO | TELEFONO |
|---|---|---|
| PROVINCIA DI PIACENZA | | |
| Lenti rag Luigi (1922) | Via Verdi 23 | 30.58 |
| Piva Giuseppe | Via Romagnosi 52 | - |
| Riva cav uff Giacomo | Via Mandelli 17 | - |
| Cagnoni ag Guido | Via Cittadella 26 | - |
| Taini dott G. | Via del Pavone 4 | 34.08 |
| Iselli rag Umberto | Piazzale Stazione 4 | 36.36 |
| Moranti ing Carlo | Corso Garibaldi 32 | 25.57 |
| Orlandini Giuseppe | Via Cap.Luigi Loer 5 FIORENZUOLA D'ARDA | - |
| Miglioli rag Mario | Piazza Cavalli | 28.05 |
| Marina geom Achille | Piazza Cavalli 63 | - |
| Donelli rag cav Pier Alberto | Via Roma 35 | 28.34 |
| Maggi Gino | Via Abbadia 20 | - |
| Casadei Nello | Via Mazzini 32 | - |
| Lancellotti Giuseppe (1923) | Via Sant'Antonio 9 | 24.07 |
| Cogri ing Giuseppe (1910) | Via Mazzini 30 | 24.26 |
| Barani comm rag E e dr G | Via Mandelli 11 | 34.32 |
| Gruzza rag Alvise e dott Vegezzi | Via S Antonino 5 | 30.64 |
| Strozzoni rag Gianni | Via Vitt Emanuele 87 | 35.58 |
| Guerci Lazzaro | Via Garibaldi 15 BOBBIO | - |
| Pecci rag Renato e Remo | Via Cavour 35 | 26.15 |
| Bonfanti ing Andrea | Via Roma 139 | - |
| Miglioli rag Mario (1932) | Piazza Cavalli | 28.05 |
| For di Moiso rag L.(1921) | FIORENZUOLA | - |
| Cella dott Giuseppe e Celli Alfonso | Via Roma 35 | 24.78 |
| Poggi Longostrevi rag cav Vittorio | Via S. Martino 11 | 3.14 |
| Solari comm ing Giuseppe | Via F Chiapponi 16 | - |
| Panni rag Giuseppe | Via Sopramuro 60 | - |
| Tomagni Bruno | Via Cavour 15 | 29.45 |
| | | 33.34 |
| Mozzon Francesco | Corso Garibaldi 34 | - |
| Primo Cons Agrario Coop Piacentino | Via Mandelli 17 | - |

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| SOCIETA RAPPRESENTATA | NOMINATIVO DELL'AGENTE | INDIRIZZO |
|---|---|---|
| | | Sheet No. |
| M.I.A.B. | Cogni ing Giuseppe | Via Mazzini 30 |
| M.I.A.B. | Lancellotti Giuseppe | Via S Antonio 9 |
| Monde | Molza conte Ettore | Via Cittadella 13 |
| Pace | Cipelli nob geom Max. | Via Mazzini 27 |
| Paterna | Piva Giuseppe | Via Romagnosi 52 |
| Providente | Capra serafino | Via Montanara 4 |
| Reale Grandine | Pecci rag Renato e Remo | Via Cavour 55. |
| Reale Mutua | Alzona rag Giovanni (1930) | Via Garibaldi 8 |
| Riunione Adriatica | Morandi ing Carlo | Corso Garibaldi 32 |
| Riunione Adriatica | Orlandini Giuseppe | Via Cap Luigi Boor 5, FIOR |
| S.A.I.D.A. | Panni rag Giuseppe | Via Sopralguro 60 |
| Savoia | Maestri geom Giuseppe | Via monte di Pieta |
| Sicurta (La) | Colla dott Giuseppe | Via Cavallotti 35 |
| Soc. Assic. Industr. | Iselli rag Umberto | Piazzale Stazione 4 |
| Sun Insurance | Negri dott Carlo | Via Montanara 4 |
| Union | Cappelli rag Agostino | Via Solderino 21 |
| Unione Subalpina | Postiglioni geom Alfredo | Via Roma 202 |
| Vecchia Mutua Grandine ed Eguaglianza | Gruzza rag Alvise e dott Vegazzi A | Via S Antonino 5 |
| Vittoria (già The Excess) | Tansi Angelo | Corso Garibaldi, 129 FIOREN |
| " " " " | Cattadori Lino | Via Cavour 14. MONTICELLI S |
| " " " " | Ferrara Aggradi geom Amos | Via S Agostino 7 |
| Zurigo | Lancellotti Giuseppe | Via S Antonino 9 |
| | PROVINCIA DI PISTOIA | |
| Abeille | Nicolai Alfredo | Via Panciatichi 10 |
| Alleanza Vita | Bariolini Bartolino | Via Curtatone e Montanara 2 |
| Assicuratrice Italiana | Betti cav.Pietro | Via S Martino della Battagli |
| Assicu razioni Genera li | Anzilotti cav dott Raffaele | Via della Vittoria 1 PESCI |
| Assicurazioni Generali | Buscioni rag Attilio (1930) | Corso Vittorio Emanuele 2 |
| Compagnia di Milano | Gorgeri geom Antonio | Corso Umberto 30 |
| Compagnia di Torino | Marini A e Zipoli R | Via della Madonna 17 |
| Fiume | Capecchi Guido | |

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| NOMINATIVO DELL'AGENTE | INDIRIZZO | TELEFONO |
|---|---|---|
| ogni ing Giuseppe | Via Mazzini 30 | - |
| ancellotti Giuseppe | Via S Antonio 9 | - |
| olza conte Ettore | Via Cittadella 13 | 35.24 |
| ipelli mob geom Max. | Via Mazzini 27 | 35.00 |
| ive Giuseppe | Via Romagnosi 52 | 27.46 |
| ppre serafino | Via Montana 4 | - |
| ecci rag Renato e Remo | Via Cavour 35. | 26.15 |
| lzona rag Giovanni (1930) | Via Garicaldi 8 | 30.00 |
| orandi ing Carlo | Corso Garibaldi 32 | 25.57 |
| rlandini Giuseppe | Via Cap Luigi Boer 5, FIORENZUOLA D'ARB. | - |
| anni rag Giuseppe | Via Sopralguro 60 | - |
| aestri geom Giuseppe | Via monte di Pieta | - |
| ella dott Giuseppe | Via Cavallotti 35 | - |
| selli rag Umberto | Piazzale Stazione 4 | 36.36 |
| egri dott Carlo | Via Montana 4 | 23.18 |
| appelli rag Agostino | Via Solderino 21 | 35.01 |
| ostiglioni geom Alfredo | Via Roma 202 | 22.78 |
| ruzza rag Alvice e dott Vegazzi A | Via S Antonino 5 | 30.64 |
| nsi Angelo | Corso Garibaldi, 129 FIORENZUOLA | 65 |
| ttadori Lino | Via Cavour 14. MONTICELLI S'ONGENA | - |
| rcora Aggradi geom Amos | Via S Agostino 7 | 30.26 |
| ncellotti Giuseppe | Via S Antonino 9 | 24.07 |
| **PROVINCIA DI PISTOIA** | | |
| colai Alfredo | Via Panciatichi 10 | - |
| riolini Bartolino | Via Curtatone e Montanara 2 | 25.02 |
| tti cav.Pietro | Via S Martino della Battaglia | 22.66 |
| zilotti cav dott Raffaele | Via della Vittoria 1 PESCIA | 41.06 |
| scioni rag Attilio (1930) | Corso Vittorio Emanuele 2 | 25.91 |
| rgeri geom Antonio | Corso Umberto 30 | 21.75 |
| rini A e Zipoli R | Corso Vitt. Eman.6. | 25.33 |
| pecchi Guido | Via della Madonna 17 | - |

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| SOCIETÀ RAPPRESENTATA | NOMINATIVO DELL'AGENTE | INDIRIZZO |
|---|---|---|
| Fondiaria | Soldi Giuliano (1919) | V.Curtatone e Montanara 11 |
| Istituto Italiano di Previdenza | Giacomelli Pier Gius (1931) | Vle Aretusi 11 |
| Metropole | Montanari Alessandro | Vle [illegible] 13 |
| Pace | Lenzi & Nipo | Vle [illegible] 6 |
| Paterna | Sigismondi & Cinti | Vle [illegible] 6 |
| Preservatrice (La) | Comici prof Francesco | Corso Umberto I 24 |
| Reale Grandine | Soldi Giulio | Vle [illegible] e Montanara 19 |
| Reale Mutua | Marzi cav uff Gustavo | Vle [illegible] |
| Reale Mutua | Simonini Alfredo | MONTECATINI TERME - Viale M |
| Riunione Adriatica | Bacci cav Pietro | Vle [illegible] della Battaglia |
| Sicuria (La) | Montagnani Mauro | Vle della Stazione 17 |
| U.G.A. | Bartolini e Piccini | Vle Curtatone e Montanara 2 |
| Unione Subalpina | Bartolini Bartolino | " " " |
| Vittoria (Ex The Excess) | Ricci Mino | Vle [illegible] Molinella 14 |
| | **PROVINCIA DI RAVENNA** | |
| Abeille | Zoli rag Giuseppe | Corso Mazzini 73 FAENZA |
| Abeille | Fiocchi Fausto | Corso Vitt Eman 4 a LUGO |
| Abeille | Malfatti Ilario | Via G Regnoli 1 |
| Alleanza Sicurtas Esperia | Ferruzzi Alfeo | Via Dante 2 A |
| Alleanza Sicurtas Esperia | Carlo Bottanis | Vle Vitt Eman 22 FAENZ |
| Alleanza Vita | Laudon Gardenzi | Via F Cocchi 5 |
| Anomima Generale | Cicognani Alberto | Viale S Francesco 5 FAENZA |
| Anomima Generale | Sebastiani Ugo | Corso Vitt Eman 15 b LUGO |
| " " | Bulgarelli rag Renato | Via R Gucci 6 |
| Anon. Grandine e An.Infortuni | Fabbri cav Giuseppe | Via Mariani |
| Assicuratrice Industriale | Gonani Francesco | Via G Regnoli 4 |
| " " | Casadio e Merendi | Via XX Settembre 6 |
| Assicuratrice Italiana | Zanelli conte dott Alessandro | Via Domizia 9 FAENZA |
| Assicuratrice Italiana | Ricci Lucchi Umberto | Piazza XX Settembre 2. LUGO |
| Assicuratrice Italiana | Pasi cav Francesco | Via A Diaz 5 A |
| Assicurazioni d'Italia | Armuzzi cav uff Luigi | Piazza Littorio |
| Assicurazioni Generali | Fabbri cav Giuseppe | Via Mariani |

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| NOMINATIVO DELL'AGENTE | INDIRIZZO | TELEFONO |
|---|---|---|
| Soldi Giuliano (1919) | V.Curtatone e Montanara 11 B. | 22.10 |
| Giacomelli Pier Gius (1931) | Via [illegible] 11 | 25.44 |
| Morigi dr Alessandro | Via [illegible] 13 | - |
| Lenzi & Mic | Via [illegible] 6 | - |
| Signorini & Cinti | Via Della Fabbr 8 | - |
| Comici prof Francesco | Corso Umberto I 24 | 21.96 |
| Soldi Giulio | Via Curtatone e Montanara 19 | 22.10 |
| Marzi cav uff Gustave | Via [illegible] | 22.89 |
| Simoncini Alfredo | MONTECATINI TERME - Viale Manzoni 5 | 22.40 |
| Berti cav Pietro | Via [illegible] della Battaglia | 22.06 |
| Montanari Mario | Via della Fiorana 17 | - |
| Bartolini e Fiocini. | Via Curtatone e Montanara 2 | 25.02 |
| Bartolini Bartolino | " " " | 25.02 |
| Ricci Ilio | Via [illegible] 14 | - |
| **PROVINCIA DI RAVENNA** | | |
| Zolli rag Giuseppe | Corso Mazzini 70 FAENZA | 1.27 |
| Fiocchi Renato | Corso Vitt Eman n. c. LUGO | - |
| Maldini Mario | Via G Regnoli 1 | 3.3 |
| Fornazzi Alfeo | Via Dante 2 A | - |
| Carlo Bottanis | Via Vitt Eman III 22 FAENZA | - |
| Laudon Gardenzi | Via F Cosma 5 | - |
| Cicognani Alberto | Viale S Francesco 5 FAENZA | - |
| Sebastiani Ugo | Corso Vitt Eman 13 b LUGO | - |
| Bulgarelli rag Renato | Via A Gucci 6 | 3.81 |
| Fabbri cav Giuseppe | Via Mariani | 1.10 |
| Gonani Francesco | Via G Rasponi 4 | 8.43 |
| Casadio e Merendi | Via XX Settembre 6 | 58 |
| Zanolli conte dott Alessandro | Via Domizia 9 FAENZA | 50 |
| Ricci Lucchi Umberto | Piazza XX Settembre 2. LUGO | 2.64 |
| Pasi cav Francesco | Via A Diaz 5 A | 1.32 |
| Annuzzi cav uff Luigi | Piazza Littorio | 2.75 |
| Fabbri cav Giuseppe | Via Mariani | 1.10 |

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| SOCIETA' RAPPRESENTATA | NOMINATIVO DELL'AGENTE | INDIRIZZO |
|---|---|---|
| Assicurazioni Generali | Ghetti dott Cesare | Corso Mazzini 17. FAENZA |
| " " " | Nicolini geom cav Antonio | Via F Baracca LUGO |
| Assurances Generales | Venturi cav Aldo | Via Resp[illegible] 2 |
| Cattolica | Mingozzi Antonio | Via [illegible] d'Azeglio 1 |
| " | Pieri Antonio | Corso [illegible] 28. FAENZA |
| Compagnie di Milano | Pancrazi rag Aldo | Via [illegible] 10. FAENZA |
| " " " | Carli dott Antonio | Via [illegible] |
| Compagnia di Torino | Chiarini Romano | Via [illegible] 7 |
| " " " | Cova rag Quirino | Corso [illegible] 8. FAENZA |
| Duomo | Regoli geom Camillo | Via [illegible] 12. FAENZA |
| Duomo | Pedroncelli Augusto | Piazza V. Baracca 19 LUGO |
| Duomo | Danesi Carlo & C | Via Mario Pasi[illegible] 2 |
| Europa | Cornacchia G e figlio | Via [illegible] 20 |
| Europa | Balgochi Pietro | Viale G [illegible] |
| Fenice Gerandino | Segnali dott G. | Piazza XX Settembre - LUGO |
| Fenice Gerandino | Cerroglia Mario | via [illegible] |
| Fenice Gerandino | Donati & C | Via S. [illegible] FAENZA |
| Fiume | Garavini Lorenzo | Via [illegible] |
| Fiume | Baccari Luigi | Corso [illegible] 62. FAENZA |
| Fondiaria | Zanzoni Mario | Via XX Settembre 6 FAENZA |
| Fondiaria | Baldini Bartolomeo | Via [illegible] |
| I.D.A.S. | Campi Elvidio e Giorgi Vasco | Via [illegible] 3 |
| Istituto Italiano di Previdenzia | Rossetti Guido | Piazza XX Settembre |
| Istit.Italiano di Previdenza. | Mazzoni geom Giovanni | Corso Mazzinirando 12 LUGO |
| Istit. Naz. delle Assicurazioni | Andreazzi cav uff Luigi | Via Paolo Costa 7 |
| Italiana Incendio e Vita | Campi Elvidio | Via Dante 3 |
| " " " | Regoli Vincenzo | Via Severoli 12 FAENZA |
| Italica | Campi Elvidio (gr) | Via Dante 3 |
| Italica | Bezzi rag Fortunato (tutti i rami) | Castel S Pietro 25. |
| Italica | Mastroni Casimiro e figlio | Corso Saffi 32 FAENZA |
| Italica | Pirazzoli A e G | LUGO |
| Levant | Gaudenzi-Laudon | Via P. Costa 5 |
| Levant | S.A.S. Viglienzolo | Via Diga 4. |
| Motropole | Morigi Raimondi | Via Paolo Costa 25 |

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| NOMINATIVO DELL'AGENTE | INDIRIZZO | TELEFONO |
|---|---|---|
| Chetti dott Cesare | Corso Mazzini 17. FAENZA | 3.27 |
| Nicolini geom cav Antonio | Via F Baracca LUGO | 1.64 |
| Venturi cav Aldo | Via Rasponi 2 | 2.59 |
| Mingucci Antonio | Via Massimo d'Azeglio 1 | 1.74 |
| Piani Antonio | Corso Mazzini 28. FAENZA | - |
| Panzavolta rag Aldo | Via Severoli 10. FAENZA | 15 |
| Galli dott Antonio | Via [illegible] 2 | 3.50 |
| Chiesa r. Romano | Via [illegible] 7 | - |
| Cova rag Quirino | Corso Mazzini 8. FAENZA | 1.27 |
| Regoli geom Camillo | Via Severoli 12. FAENZA | 4.70 |
| Petronelli Agrusto | Piazza G. Biancoli 19 LUGO | 5. |
| Dagnoli Carlo & C | Via Mario Pasi uzzi 2 | 1.89 |
| Cornacchia G e figlio | Via Mazzini 20 | - |
| Bellosi Pietro | Viale Giardino | 0,48 |
| Segnali dott G. | Piazza XX Settembre - LUGO | - |
| Cereglia Mario | via [illegible] | - |
| Bonatti G. | Via S. [illegible] FAENZA | - |
| Garavini Lorenzo | Via [illegible] | - |
| Bacchi Luigi | Corso Mazzini 62. FAENZA | - |
| Zanzoni Mario | Via XX Settembre 6 FAENZA | - |
| Baldini Bartolomeo | Via [illegible] | 3.84 |
| Corsi Evaldo e Giorgi Vasco | Via [illegible] | - |
| Rossetti Guido | Piazza XX Settembre | - |
| Mazzanghi geom Giovanni | Corso Baccarini 12 LUGO | 1.77 |
| Amadesi cav uff Luigi | Via Paolo Costa 7 | 2.75 |
| Campi Elvidio | Via Dante 3 | 6.70 |
| Rogoli Vincenzo | Via Severoli 12 FAENZA | - |
| Campi Elvidio (gr) | Via Dante 3 | 6.76 |
| Bezzi rag Fortunato (tutti i rami) | Castel S Pietro 25. | - |
| Mastroni Casimiro o figlio | Corso Saffi 32 FAENZA | - |
| Pirazzoli A e G | LUGO | - |
| Gaudenzi-Loudon | Via P. Costa 5 | - |
| S.A.S. Viglienzolo | Via Diaz 4 | - |
| Morigi Raimondi | Via Paolo Costa 25 | - |

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| SOCIETA RAPPRESENTATA | NOMINATIVO DELL'AGENTE | INDIRIZZO |
|---|---|---|
| M.I.A.B. | Pasi Francesco | Via A Diaz 5. |
| Mondo | Malagoli cav rag R. | Piazza XX Settembre 3 |
| Mutuo Riunito di Ass.Grandine | Bissi rag Giulio | Via R Gessi 7 |
| Pace | Gaudenzi & Laudon | Via Paolo Costa 5 |
| Pace | Zoli Domenico | Corso Mazzini 21 FAENZA |
| Pace | Cristoferi Celso | Via Manfredi 10. LUGO |
| Paterna | Montanari Innocente e Farina Giovanni | Largo Cavalieri LUGO |
| Paterna | Balla rag Bruno | Corso Garibaldi 5 FAENZA |
| Paterna | Caveglia Mario | Via Cesare Cavasi 2 a |
| Phenix | Baroni Luigi | Via Marco da Faenza 3. FAENZA |
| Preservatrice | Ballanti Giovanni | Via Solera A. |
| Preservatrice | Lauri Giuseppe | Corso Vitt Emanuele 20 LUGO |
| Previdente | Golfieri Oberdan | Via Garibaldi 7 FAENZA |
| Reale Grandine | Zanoni Mario | Via XX Settembre 6 FAENZA |
| Reale Grandine | Baldini Bartolomeo | Via Guaccimanni 4 |
| Reale Mutua | Giochi Franc | Via IV Maggio 23 |
| Reale Mutua | Baldini dott Gino | Via Cavour 3. FAENZA |
| Riunione Adriatica | Zanelli conte dott Alessandro | Via Damiano 5 FAENZA |
| " " | Ricci Lucchi Umberto | Piazza XX Settembre 2. LUGO |
| " " | Pasi cav Francesco | Via A Diaz 5 A |
| Sicuria | Bissi rag Giulio | Via R Gessi 7 |
| " | Tambini Emilio | Piazza S Domenico 10 FAENZA |
| " | Cristofero Celso | Via Manfredi 10 LUGO |
| " | Gonani Francesco | Via G. Rasponi 4 |
| Societa Assicur. Industriale | Casadio e Merendi | Corso Garibaldi 3 FAENZA |
| " " " | Bondi Pietro (1924) | Via R Gessi 10 |
| Terra | Gaudenzi Laudon | Via Paolo Costa 5 |
| U.C.A. | Bartoli Antonio | Via M d'Azeglio 11 |
| Union | Selmi Egidio | Via Cesare Battisti 14. FAENZA |
| Union | | |
| Vecchia Mutua Grandine ed Eguaglianza | Petroncini Augusto | Via F Baracca 19 LUGO |
| " " " | Marangoni geom G | Corso Vitt Emanuele 12. LUGO |
| " " " | Danesi Carlo | Via M Fantucci 2 |
| | Regoli geom Camilio | Via Severoli 12 FAENZA |

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| NOMINATIVO DELL'AGENTE | INDIRIZZO | TELEFONO |
|---|---|---|
| Pasi Francesco | Via A Diaz 5. | - |
| Malagola cav rag R. | Piazza XX Settembre 3 | 4.53 |
| Bissi rag Giulio | Via R Cossi 7 | 2.85 |
| Gaudenzi & Laudon | Via Paolo Costa 5 | - |
| Zoli Domenico | Corso Mazzini 21 FAENZA | - |
| Cristoferi Celso | Via Manfredi 10. LUGO | - |
| Montanari Innocente e Farina Giovanni | Largo Cavalieri LUGO | - |
| Balla rag Bruno | Corso Garibaldi 5 FAENZA | 1.97 |
| Caveglia Mario | Via Cesare Crossi 2 a | - |
| Baroni Luigi | Via Marco da Faenza 3. FAENZA | - |
| Ballenti Giovanni | Via Solarolo A. | - |
| Lauri Giuseppe | Corso Vitt Emanuele 20 LUGO | - |
| Golfieri Oberdan | Via Garibaldi 7 FAENZA | 2.19 |
| Zannoni Mario | Via XX Settembre 6 FAENZA | 2.73 |
| Baldini Bartolomeo | Via Guacimanni 4 | 3.84 |
| Giochi Franc | Via IV Maggio 23 | 7.57 |
| Baldini dott Gino | Via Bandiera 3. FAENZA | 4.69 |
| Zanelli conte dott Alessandro | Via Deviata 5 FAENZA | 50 |
| Ricci Lucchi Umberto | Piazza XX Settembre 2. LUGO | 2.64 |
| Pasi cav Francesco | Via A Diaz 5 A. | 1.32 |
| Bissi rag Giulio | Via R Cossi 7 | 2.85 |
| Tambini Emilio | Piazza S Domenico 10 FAENZA | - |
| Cristofero Celso | Via Manfredi 10 LUGO | - |
| Gonani Francesco | Via G. Rasponi 4 | 8.43 |
| Casadio e Merendi | Corso Garibaldi 3 FAENZA | 58 |
| Bondi Pietro (1924) | Via R Cossi 10 | - |
| Gaudenzi Laudon | Via Paolo Costa 5 | - |
| Bartoli Antonio | Via M d'Azeglio 11 | 2.74 |
| Selmi Egidio | Via Cesare Battisti 14. FAENZA | - |
| Petroncini Augusto | Via F Baracca 19 LUGO | 5 |
| Marangoni geom G | Corso Vitt Emanuele 12. LUGO | 1.77 |
| Danesi Carlo | Via M Fantucci 2 | 1.89 |
| Regoli geom Camilio | Via Severoli 12 FAENZA | 4.70 |

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| SOCIETA RAPPRESENTATA | NOMINATIVO DELL'AGENTE | INDIRIZZO |
|---|---|---|
| Vittoria (già The Excess) | Mazzandi Ettore | Via A Zirardini 4 b |
| " " " " | Ferroni Bruno | Via Compagnoni 14 LUGO |
| " " " " | Maranesi Angelo | Corso Garibaldi 4 FAENZA |
| " " " " | Corrina N H Giulio | CASTELBOLOGNESE (recapito 3 Tel. 21169, BOLOGNA) |
| Zurigo | Mazzanti Ettore | Via A Zirardini 4 b |
| " | Capucci ing Giovanni | Via Mantrodi 8 a LUGO |
| | Piani Antonio | Corso Mazzini 28. FAENZA |
| | PROVINCIA DI REGGIO EMILIA | |
| Abeille | Ugo Ferrari | Via Guido da Castello 6 |
| Alleanza Assicurazioni Sportive | Prati Ulderico | Via F Crispi 1 |
| Assicurazioni Generali | Manzini Antonio | Piazza Fontana 9 |
| Assicurazioni Internazionale | Corradini A e G | Via Amos Maramotti 1 |
| Assicurazioni Patria | Chierici geom Alfonso | Piazza Vittorio Emanuele |
| Assicurazioni Previdenza | Bonacini Sperito agr Arrigo | Via Gonzaga . GUASTALLA |
| Assicurazioni Generali | Bertoldi ing Pellegrino e Gatta M. | Via Emilia S Stefano 3 |
| Assicurazioni Generali (Vita) | Bonati Alberto (1927) | Via S Pietro 5 |
| Assicurazioni Generali | Prati Ulderico | Via F Crispi 1 |
| Assicurazioni Generali | Ferrari Cav avv Attilio (1927) | Via Gonzaga 34 GUASTALLA |
| Assicurazioni Generali | Gerosa Ing Aldo | Via Emilia S Pietro 70 |
| Caledonian Insurance Co | Margini geom Silvio | Corso Garibaldi 8 |
| Cattolica | Canevazzi Carlo (1931) | Galleria Banca Popolare |
| Compagnia di Milano | Zervo cav col Luigi (1923) | Via Guido da Castello 9 |
| Compagnia di Torino | Bigi dr Giuseppe | Piazza Roma 24 CAMPAGNOLA EMILIANA. |
| Compagnia di Torino | Salvatori Aldo | Via S Pietro 30 |
| Compagnia di Torino (Vita) | Guatteri e Govoni | Via Bardi 5. |
| Duomo | Ferretti e Taddei | Via Emilia S Pietro 39 |
| Fenice Grandine | Fontanesi e Corradini | Via Farini 1 |
| Fiume | Predieri Delfino | Via Del Torrazzo 6 |
| Fondiaria | Vecchi rag Ricardo | Via S Pietro 8 |

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| NOMINATIVO DELL'AGENTE | INDIRIZZO | TELEFONO |
|---|---|---|
| Mazzandi Ettore | Via A Zirardini 4 b | 2.73 |
| Ferroni Bruno | Via Compagnoni 14 LUGO | - |
| Marcucci Angelo | Corso Garibaldi 4 FAENZA | - |
| Corrina N H Giulio | CASTELBOLOGNESE (recapito Via Oberdan 3 Tel. 21169, BOLOGNA) | - |
| Mazzandi Ettore | Via A Zirardini 4 b | 2.73 |
| Capucci ing Giovanni | Via Manfredi 8 e LUGO | 37 |
| Piani Antonio | Corso Mazzini 28. FAENZA | 2.45 |
| **PROVINCIA DI REGGIO EMILIA** | | |
| Ugo Ferrari | Via Guido da Castello 6 | - |
| Prati Ulderico | Via F Crispi 1 | 25.55 |
| Manzini Antonio | Piazza Fontana 9 | 35.66 |
| Corradini V e G | Via Enea Marmocchi 1 | 2202 |
| Chierici geom Alfonso | Piazza Vittorio Emanuele | 13- |
| Boserini Sperito agr Arrigo | Via Gonzaga . GUASTALLA | 33.29 |
| Bertolini ing Pellegrino e Gatta M. | Via Emilia S Stefano 3 | 21.30 |
| Bonini Alberto (1927) | Via S Pietro 5 | 25.55 |
| Prati Ulderico | Via F Crispi 1 | 24. |
| Ferrari Cav avv Attilio (1927) | Via Gonzaga 3. GUASTALLA | - |
| Gerosa Ing Aldo | Via Emilia S Pietro 70 | - |
| Margini geom Silvio | Corso Garibaldi 8 | - |
| Canevazzi Carlo (1931) | Galleria Banca Popolare | 34.10 |
| Zerbo cav col Luigi (1923) | Via Guido da Castello 9 | |
| Bigi dr Giuseppe | Piazza Roma 24 CAMPAGNOLA EMILIANA. | - |
| Salvatori Aldo | Via S Pietro 30 | 37.59 |
| Cuatteri e Govoni | Via Bardi 5. | 34.04 |
| Ferretti e Taddei | Via Emilia S Pietro 39 | 32.55 |
| Fontanesi e Corradini | Via Farini 1 | - |
| Predieri Delfino | Via Del Torrazzo 6 | 28.31 |
| Vecchi rag Ricardo | Via S Pietro 8 | |

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| SOCIETA R APPRESENTATA | NOMINATIVO DELL'AGENTE | INDIRIZZO |
|---|---|---|
| I.D.A.S. | Cavaliaro cav Ottorino (Estattore) | Via S Domenico 16 |
| Istituto Italiano di Previdenza | Spallanzani Giuseppe | Via S Carlo |
| Istit.Naz.delle Assicurazioni | Bertoldi comm ing.Pellegrino e M | |
| | Gatti (1928) | Via Emilia S Stefano 3 |
| Italiana Vita | Boselli Luigi | Via S Nicolo 1 |
| Italiana Ins.Vita | De Medici Carlo | Via Mazzini 5 |
| Italica | Tassoni dr Giuseppe | Via Emilia S Pietro 39 |
| Lloyd Continetale | Zuccoli ing Cesare E (1929) | Via Fontanelli 3 |
| Mondo | Terrachini comm Eugento e figlio | |
| | ing Paolo | Piazza Cesare Battisti |
| M.I.A.B. | Rosa cap Torquato | Via Vitt Emanuele 19 - GU |
| Paco | Zini geom W. | Stradone Vescovado 7 |
| Panaeria | Ferrari agr Virginio (1913) | Piazza XXIV Maggio 3 |
| Phoenix Vita Ins. | Sinigaglia Oreste | Via Beccherie 1 |
| Previdente | Bonami Umberto | Via M Calderini 1. |
| Previdente | Gualandri Carlo | Corso Garibaldi 10 |
| Reale Grandine | Vecchi rag Riccardo | Via Emilia a S Pietro 8 |
| Reale Mutua | Chiarale dott Giuseppe (1926) | Piazza Cesare Battisti |
| Riunione Adriatica | Chierici geom Alfonso (1923) | Piazza Vitt. Emanuele |
| Riunione Adriatica | Bonfanti Perito Agr. Arrigo | Via Gonzaga 25. GUASTALLA |
| Savoia | Morani geom Otello e Bonicelli geom U | Piazza S Lorenzo 3 |
| Sicurta (La) | Zerbo cav col Luigi | Via da Castello 9 - |
| Soc Assic. Industr. | Corradini Walter e Giuseppe | Via Amos Maramotti |
| Terra | Boselli Luigi | Via Mazzini 5 - |
| U.C.A. | Borghi Luigi | Via Roma 17 |
| Union | Francia Giuseppe (1912) | Via Gazzata 18 |
| Unione Subalpina | Fontanesi Giuseppe | Via Farini 1 |
| Vecchia Mutua Grandine ed Equaglianza | Terrachini comm geom Eug. | Piazza Cesare Battisti |
| " " " " | Bocconi Carlo e Ferrari Agr Virginio | Piazza XXIV Maggio 3 |
| Vecchia Mutua Grandine | Taddei Geom G e Ferretti cav A | Via E.S. Pietro 39 |
| Vittoria (gia The Excess) | Voltolini rag Franco | S. Carlo 1 2 |
| Zurigo | Boselli e Ferretti | Via S Nicolo 1 |

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| NOMINATIVO DELL'AGENTE | INDIRIZZO | TELEFONO |
|---|---|---|
| Cavaliaro cav Ottorino (Estattore) | Via S Domenico 16 | - |
| Spallanzani Giuseppe | Via S Carlo | - |
| Bertoldi comm ing.Pellegrino e M | | |
| Gatti (1928) | Via Emilia S Stefano 3 | 33.29 |
| Boselli Luigi | Via S Nicolo 1 | - |
| De Medici Carlo | Via Mazzini 5 | - |
| Tassoni dr Giuseppe | Via Emilia S Pietro 39 | - |
| Zuccoli ing Cesare L (1929) | Via Fontanelli 3 | 24.10 |
| Terrachini comm Eugento e figlio | | |
| ing Paolo | Piazza Cesare Battisti | 20.81 |
| Rosa cap Torquato | Via Vitt Emanuele 19 - GUALTIERI | - |
| Zini geom W. | Stradone Vescovado 7 | - |
| Ferrari agr Virginio (1913) | Piazza XXIV Maggio 3 | 21.32 |
| Sinigaglia Oreste | Via Beccherie 1 | - |
| Bonami Umberto | Via N Calderini 1. | 37.59 |
| Gualandri Carlo | Corso Garibaldi 10 | - |
| Vecchi rag Riccardo | Via Emilia a S Pietro 8 | 28.31 |
| Chiarale dott Giuseppe (1926) | Piazza Cesare Battisti | 34.82 |
| Chierici geom Alfonso (1923) | Piazza Vitt. Emanuele | 22.02 |
| Bonfanti Perito Agr. Arrigo | Via Gonzaga 25. GUASTALLA | 13 |
| Morani geom Otello e Bonicelli geom U | Piazza S Lorenzo 3 | - |
| Zerbo cav col Luigi | Via da Castello 9 | 3 4.10 |
| Corradini Walter e Giuseppe | Via Amos Maramotti | - |
| Boselli Luigi | Via Mazzini 5 | - |
| Borghi Luigi | Via Roma 17 | 33.55 |
| Francia Giuseppe (1912) | Via Gazzata 18 | - |
| Fontanesi Giuseppe | Via Farini 1 | 32.55 |
| lianza Terrachini comm geom Eug. | Piazza Cesare Battisti | 20.81 |
| Bocconi Carlo e Ferrari Agr Virginio | Piazza XXIV Maggio 3 | 21.32 |
| Taddei Geom G e Ferretti cav A | Via E.S. Pietro 39 | 34.04 |
| Voltolini rag Franco | S. Carlo 1 2 | - |
| Boselli e Ferretti | Via S Nicolo 1 | - |

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| SOCIETA RAPPRESENTATA | NOMINATIVO DELL'AGENTE | INDIRIZZO |
|---|---|---|
| | PROVINCIA DI SAVONA | |
| Abeille | Storchi Italo | Piazza Umberto 3 |
| Aggrippina | Bolens & C. | Calata Sharbaro |
| Alleanza Securitas Esperia | Viotti Carlo | Via Don Bosco 8 |
| Alleanza Vita | Bruzzone rag Francesco | Piazza Umberto 3/6 |
| Anonima Infortuni | Nicodemi Gino | Via Paleocapa 20 |
| Assicurazioni Generali | De Bartolomeis Mario | Corso Principe Amedeo 15-1-4 |
| Assicuratrice Fondiaria | Dovis Antonio | Corso Principe Amedeo 8 |
| Assicuratrice Italiana | Modotti cav Guido | Corso Principe Amedeo 14/3 |
| Associazione d'Italia | Boni dott cav rag Aristide | Corso P Amedeo 7-4 |
| Associazioni Consorziati | Nicodemo Gino | Piazza Sisto IV 1 |
| Bonaldo | Rusca Angelo (1927) | Via Vigerio S(Largo P Rosell |
| Compagnia di Milano | Piccardo rag Felice (1930) | Corso P Amedeo 1 |
| Compagnia di Torino | Certi rag Armando | Via Sauro 4-2 |
| Compagnia di Torino (Vita) | Ditta Bolens & C. | Calata Sharbaro |
| Deposito (Vita) | Bruzzone S | Piazzale Umberto 3/6 |
| Europa | Guido Scotti (Ag.Marittima) | Via Paleocapa 6 |
| Fiume | Dr. Oscar Candia (1933) | Via Paolo Boselli 4-2 |
| Fondiaria | Chichisola Giuseppe | Via Paleocapa 6-2 |
| I.B.I.A.S. | Pico dott Vittorio | SAVONA (Recapito Via S Luca |
| Istituto Italiano Previdenza | Galleano rag A | Via Pertinace 3 |
| Istituto Nazionale Assicurazioni | Boni dott rag cav Aristide | Corso P Amedeo 7-1 |
| Italia Trasporti | Piccardo rag Felice (1930) | Corso P Amedeo 1 |
| Italiana Vita e Incendio | Sguerso Carlo Nicolo | Piazza Principe Umberto 3-2 |
| Italiana Vita | Bacco avv Giuseppe | Corso Amedeo 12 |
| Italica | Robutti Carlo e Ganassino Gioacchino | Via Guidobono 15/7 |
| Levante | Bolens & C. | Calata P Sharbaro |
| Liguria | Piccardo rag Felice (1930) | Corso P Amedeo 4 |
| Lloyd Italico e L'Ancora | Boschetti cap Balbo | Via Paleocapa 13-1 |
| M.I.A.B. | Nicodemo Gino | Piazza Sisto IV 1 |
| Mondo | Morando Mario | SAVONA (Recapito Piazza Pont |
| | | 51.757 GENOVA |

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| NOMINATIVO DELL'AGENTE | INDIRIZZO | TELEFONO |
|---|---|---|
| PROVINCIA DI SAVONA | | |
| orchi Italo | Piazza Umberto 3 | - |
| lens & C. | Calata Sharbaro | - |
| otti Carlo | Via Don Bosco 8 | - |
| uzzone rag Francesco | Piazza Umberto 3/6 | 20042 |
| codemi Gino | Via Paleocapa 20 | 20.004 |
| Bartolomeis Mario | Corso Principe Amedeo 15-1-A | - |
| vis Antonio | Corso Principe Amedeo 8 | 20.905 |
| dotti cav Guido | Corso Principe Amedeo 14/3 | 21393 |
| ni dott cav rag Aristide | Corso P Amedeo 7-4 | 5.58 |
| codemo Gino | Piazza Sisto IV 1 | 20.004 |
| ace Angelo (1927) | Via Vigerio S(Largo P Rosolli) | 7.01 |
| ccardo rag Felice (1930) | Corso P Amedeo 1 | 20.082 |
| rti rag Armando | Via Sauro 4-2 | 21.105 |
| tta Bolens & C. | Calata Sharbaro | 131 |
| uzzone S | Piazzale Umberto 3/6 | - |
| ido Scotti (Ag.Marittima) | Via Paleocapa 6 | 1.01 |
| r. Oscar Candia (1933) | Via Paolo Boselli 4-2 | 21.349 |
| chisola Giuseppe | Via Paleocapa 6-2 | 20.764 |
| ca dott Vittorio | SAVONA (Recapito Via S Luca 11 p.2.GENOVA) | - |
| lleno rag A | Via Pertinace 3 | 7.82 |
| ni dott rag cav Aristide | Corso P Amedeo 7-1 | 5.58 |
| iccardo rag Felice (1930) | Corso P Amedeo 1 | 20.082 |
| guerso Carlo Nicola | Piazza Principe Umberto 3-2 | - |
| cco avv Giuseppe | Corso Amedeo 12 | - |
| obutti Carlo e Gamassino Gioacchino | Via Guidobono 15/7 | - |
| olens & C. | Calata P Sharbaro | 1.31 |
| iccardo rag Felice (1930) | Corso P Amedeo 4 | 20.082 |
| oschetti cap Balbo | Via Paleocapa 13-1 | 3.65 |
| icodemo Gino | Piazza Sisto IV 1 | - |
| orando Mario | SAVONA (Recapito Piazza Pontello 2/3 Tel. 51.757 GENOVA | |

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Sheet No.

| SOCIETÀ RAPPRESENTATA | NOMINATIVO DELL'AGENTE | INDIRIZZO |
|---|---|---|
| [illegible] | | |
| Fondiaria | Parrotiello rag Alfonso | Via Garassino 11 |
| Previdente Vita e Incendio | Lavolo Giuseppe | Largo Rosolli 1 |
| Previdente (Ia) | Sguazzo Nicola | Piazza Principe Umberto 3 |
| Reale Mutua | Sacchiero Dario | Via Fomagosta 1 |
| Riunione Adriatica | Di Pinto Livio (1926) | Corso Principe Amedeo 7.5 |
| Sicula | Redditi cav Guido | Corso Principe Amedeo 14/ |
| Speranza (Ia) | Anselmo Vincenzo | Via Paleocapa 12.10 |
| S Generali Infortuni | Ferrero Renzo e Paolino T | Piazza Umberto 5 |
| Unica | Loris Antonio | Corso Principe Amedeo 8 |
| Unione | Stabilini Pietro | Corso Principe Amedeo 2 C |
| Unione Subalpina | Bosco avv Giuseppe (1906) | Via Principe Amedeo 12-5 |
| Vesuvio (già Ins Lloyd) | Bonazzola rag Francesco | Piazza Principe Umberto 3 |
| Zurigo | Scotto Mario | Via Cesare Battisti 4/2 |
| | Gallotta dr. rag P | Via dei Negozio 6-1 |

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| NOMINATIVO DELL'AGENTE | INDIRIZZO | TELEFONO |
|---|---|---|
| Barbiolo rag Alfonso | Via Garassino 11 | 21.164 |
| Lavello Giuseppe | Largo Rosalli 1 | - |
| Sguerso Nicola | Piazza Principe Umberto 3 | - |
| Sebastiano Dario | Via Famagosta 1 | 21347 |
| Di Diego Livio (1926) | Corso Principe Amedeo 7.5 | 20.502 |
| Modotti cav Guido | Corso Principe Amedeo 14/3 | 21.393 |
| Paolino Vicenzo | Via Paleocapa 12.10 | - |
| Bernardo Renzo e Paolino T | Piazza Umberto 5 | - |
| Doria Antonio | Corso Principe Amedeo 8 | 20906 |
| Stabilini Pietro | Corso Principe Amedeo 2 C. | 21.129 |
| Bosco Avv Giuseppe (1906) | Via Principe Amedeo 12-5 | - |
| Bonacossa rag Francesco | Piazza Principe Umberto 3 | |
| Sartor Mario | Via Cesare Battisti 4/2 | - |
| Gambetta dr. rag P | Via dei Vegezio 6-1 | 20.806. |

73/43

bject: Intelligence.

DCE Works,
Rear H.Q.
EIGHTH ARMY.

DE 2004
22nd Nov. 43.

6A.

C.E. Main,
Eighth Army.

See 8A.

Out of a cross examination of a draughtsman named Medich Giuseppe employ-in the Aquila Hydro Electric Scheme in 1942 onwards, the following information was gathered.

(a) Area bounded by lines (approx) :-
Sheet 28 Map ref. B 4836 - 5238
B 5238 - 4939
B 4939 - 4539
B 4539 - 4837
B 4837 - 4637
B 4637 - 4635
B 4635 - 4836

dams at B 5237 & 4540 for hydro-electric scheme. now a lake artificialy made by estimated to take 3 years to fill. The lake thus formed was

(b) Secondary road from B 4836 to 4939 underwater (max. depth was estimated 20 metres).

(c) Bridge exists of 3 spans from B 4836 to B 4837 to feed village of Maseroni, map ref. 4737.

(d) Road to Camprotesto now via road running along bottom of lake over dam at B 5238 and continuing along edge of lake.

(e) If dam broken would cause serious damage in valley.

(f) From side of dam, tunnel 3 metres in diameter carries water with a 3 metre metal pipe coated with concrete to an outside diameter of 6 meters to a Hydro Station at ORTOLANO 100 metres below lake, from here it is lead into two similar sized pipes to a second station of GIALORRO 600-700 metres below level of ORTOLANO. From GIALORRO the water was to feed a third station at 120 metres below GIALORRO - informant thinks it may be constructed by now.

(g) No machinery had been installed at the time informant left in 1942 but was ordered on Germany and may now be installed.

(h) Electric power thus formed was to be supplied entirely for further electrif-ication of the railways to Pescara - Ancona and other localities.

(i) Observation from Air would show Bridge - Hydro Station and pipes, so informant states.

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now a lake artificially made by dams at B 5237 & 4540 for hydro-electric scheme. The lake thus formed was estimated to take 3 years to fill.

(b) Secondary road from B 4836 to 4939 underwater (max. depth was estimated 20 metres).

(c) Bridge exists of 3 spans from B 4836 to B 4837 to feed village of Maseroni, map ref. 4737.

(d) Road to Camprotoste now via road running along bottom of lake over dam at B 5233 and continuing along edge of lake.

(e) If dam broken would cause serious damage in valley.

(f) From side of dam, tunnel 3 metres in diameter carries water with a 3 metre metal pipe coated with concrete to an outside diameter of 6 meters to a Hydro Station at ORTOLANO 100 metres below lake, from here it is fead into two similar sized pipes to a second station of GIALORRO 600-700 metres below level of ORTOLANO. From GIALORRO the water was to feed a third station at 120 metres below GIALORRO - informant thinks it may be constructed by now.

(g) No machinery had been installed at the time informant left in 1942 but was ordered on Germany and may now be installed.

(h) Electric power thus formed was to be supplied entirely for further electrification of the railways to Pescara - Ancona and other localities.

(i) Observation from Air would show Bridge - Hydro Station and pipes, so informant states.

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Colonel,
DCE Works,
EIGHTH ARMY.

AWB/AR.

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ALLIED FORCE HEADQUARTERS - ADV. ARMIL. EQUIPMENT

DIRECTORATE OF WORKS

MEMORANDUM OF ELECTRICITY SUPPLY IN ITALY Ref. 2052/DW

1. The electricity supply in Italy, 98% of which is obtained from Hydro Electric Stations, is divided by a line Leghorn - Ancona into two distinct zones. In peacetime there was little or no exchange of power across this line.

2. Attached to this memorandum is a map showing diagrammatically the layout of the Southern grid which was run by two main groups, (i) The Terni Group which supplied Rome area and (ii) the Societa Meridionale di Elettricita with its headquarters in Naples. This latter group supplied Italy south of a line Naples - Pescara.

3. There are also certain small producing and distributing companies dealing with purely local supply in small areas. The largest of these, the Volturno Group, which supplied a portion of Naples, is closely allied to and inter-connected with the S. M. E. system. The S. M. E. does not own all the power stations on its system but purchases energy in bulk from privately owned stations for distribution and re-sale. For the purpose of this memorandum all private companies inter-connected with the S. M. E. system are regarded as part of the S. M. E.

4. The estimated average monthly demand for energy, within the S. M. E. area, for the coming year is 42 million kilowatt hours with a peak load of 70 thousand kilowatts. This estimate is based on 70% of the peace time demand exclusive of the electric railways.

5. The undamaged generating stations in the S. M. E. area now under Allied control have a monthly potential of 60 million kilowatt hours while the maximum power output of the stations and transmission lines to meet the maximum demand is 95 thousand kilowatts.

6. It will be seen therefore that there is an estimated monthly surplus of energy of 18 million kilowatt hours with a power surplus of 25 thousand kilowatts. The energy surplus could be increased if absolutely essential by decreasing the reservoir storage. This would of course be felt the following year. The maximum power surplus could be raised considerably with proper control of the use of power at peak load periods.

7. It is probable that the enemy will put the Pescara and Terni group of 7347 stations out of action so they will not be available to supply Rome. It will, therefore, be necessary to plan to supply Rome from the stations at present in our hands.

8. At the present moment, however, the surplus power mentioned in para 6 above is not available, nor can present demands in the S. M. E. area be met

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because of damage to the overhead grid system and to its sub-stations and subsidiary feeders. This system is, however, repairable to the extent that the 70% of the peace-time demands mentioned in para 4 can be met.

9. At the moment the President of the S. M. E. and his regional staff are dealing with separate demands from No. 2 District, the P. B. S., No. 57 Area, Angot, 8th Army and several other consumers. He is without knowledge as to who should have priority and he does not know to whom he should apply for assistance in the matter of materials for repair. The need for these materials was in fact foreseen by the D. W. Branch A. F. H. Q. some time ago and a quantity is on the way but it is unlikely that we shall be able to meet all his needs.

10. The system whereby every user is allowed independently to approach the producer of a commodity in short supply is obviously unsound and it is recommended that one person should be appointed to deal with the S. M. E. Furthermore, the repair of a national system cannot be dealt with on a parochial basis.

11. This person should have the power to control: -

(a) the planning of the repair of the grid system and the priority in which the repairs should be carried out, and -

(b) supplies in any area where supply is exceeded by demand by rationing within the general policy laid down by the staff. All demands for supply should be made to him.

12. I would suggest that discussion of the foregoing be placed on the Agenda for the first meeting of Engineer Resources Committee on the 22nd instant.

/s/ D. I. Anderson.

D. I. ANDERSON,
Colonel,
D. D. W.

DIA/caj.

19 Nov. 43.

DISTRIBUTION:

D. G. M. G.
C. E., 15 Army Group
D. W., A. F. H. Q.
C. E., No. 2 District
M. G. S., FLAMBO
War Diary.

7348

