

ACC T/2

10000/150/802

TRANSM  
FEB. - J

150/802

TRANSMISSION LINES  
FEB. - JULY 1945

# SOCIETÀ ELETTRICA SELT - VALDARNO

7/2

Transmission Lines



Opened - 27 Feb 45

Closed - 17 July 45



Opened - 27 Feb 45

Closed - 17 July 45

10000

150

802

THIS FOLDER

CONTAINS PAPERS

FROM FEB 45

TO July 45

CATALOGUE

Società Elettrica Selt - Valdarno

Dispaccio telefonico  
di servizio

| RICEVUTO il <u>10</u> <u>Montecatini</u> ore <u>11.30</u> |                    | TRASMESSO il <u>10</u> <u>Montecatini</u> ore <u>11.30</u> |                                                        |
|-----------------------------------------------------------|--------------------|------------------------------------------------------------|--------------------------------------------------------|
| dall' Ufficio di <u>L' Impiegato</u>                      |                    | dall' Ufficio di <u>L' impiegato</u>                       |                                                        |
| DESTINAZIONE                                              | PROVENIENZA        | Numero                                                     | Data della presentazione<br>giorno e mese ore e minuti |
| <u>Firenze</u>                                            | <u>Montecatini</u> | <u>60</u>                                                  | <u>10.1</u> <u>11.30</u>                               |

- Capito Duran -

20 C.B. pronti per partenza lunedì 23rd  
i materiali 3 rimanenti pronti 20 giorni  
dopo consegna dei materiali

Shore will be ready to go for Valdarno  
Monday 23rd

3316

Two O.C.B. ready to be shipped Monday 23rd.

The three remainder will be ready for delivery

20 days after material has been issued. Eng. Smith leaves to visit  
Valdarno at Florence - Capt. Best

Società Elettrica Selt - Valdarno

Dispaccio telefonico  
di servizio

| RICEVUTO il _____ ore _____<br>dall' Ufficio di _____ L' impiegato _____ |             | TRASMESSO il _____ ore _____<br>dall' Ufficio di _____ L' impiegato _____ |                                                           |
|--------------------------------------------------------------------------|-------------|---------------------------------------------------------------------------|-----------------------------------------------------------|
| DESTINAZIONE                                                             | PROVENIENZA | Numero                                                                    | Data della presentazione<br>giorno e mese    ore e minuti |
| Milano                                                                   | Firenze     | 54                                                                        | 14.9    15.12                                             |

*Life Guard*

*Leonardo Albano*

19-7-45

PHONOGRAM

TO: CAPT BEST A.C.  
Care of Soc Edison  
MILANO

THANKS TO LONGHI BUT PRICE  
HAS ADVANCED TOO MUCH STOP  
NEW SUBJECT - PLEASE KEEP  
US ADVISED ON OCB ORDER

CAPT DURAN

Capitano Best  
Presso Società Edison  
MILANO

3314

Ringrazio Ing. Longhi, ma il prezzo è troppo alto. Stop  
Altro argomento: prego tenersi al corrente circa l'ordinazione  
dei cinque O.C.B.

Capitano DURAN

ADVANCED SECTION  
ELECTRICAL DIVISION  
PUBLIC WORKS & UTILITIES SUB-COMMISSION  
ALLIED COMMISSION

MEMORANDUM

6 Via Cerretani, Florence  
Telephone No. 1153  
July 17th 1945

TO: Tenente in charge  
Mine-clearing group  
L u c c a

1. Ing. Casali of Soc. El. Selt-Valdarno advised that as of today all necessary mine-clearing on electric transmission lines in Lucca Province will have been completed.

2. Further work is required for about one week on a certain line in the vicinity of Pianocinistico, which happens to be located in Pistoia Province.

3. While, properly, application should be made to Pistoia for this work, it is requested that your men be allowed to continue for the short additional time required, for the following reasons: (1) your men have served most satisfactorily and have become very proficient in the type of work involved; (2) they are well equipped and still have the transport necessary to continue this work; (3) additional time would be lost in making new arrangements for new squads, new equipment, and new transport through another office.

4. This Office is appreciative of the excellent work and pleasant relationships existing in the work completed to date, and in the interest of efficiency hope that your squads may continue for the short time needed to complete this important job.

Albert E. DURAN  
Capt. S.C.  
Electrical Division

3313

Traduzione

SEZIONE AVANZATA  
 DIVISIONE ELETTRICITA'  
 SOTTOCOMMISSIONE LAVORI & SERVIZI PUBBLICI  
 COMMISSIONE ALLEATA

Via Carretani, 6 - Firenze  
 Telef. 1153  
 17 Luglio 1945

## MEMORANDUM

Al Sig. Tenente comandante  
 il Gruppo cercatori di mine  
L u c c a

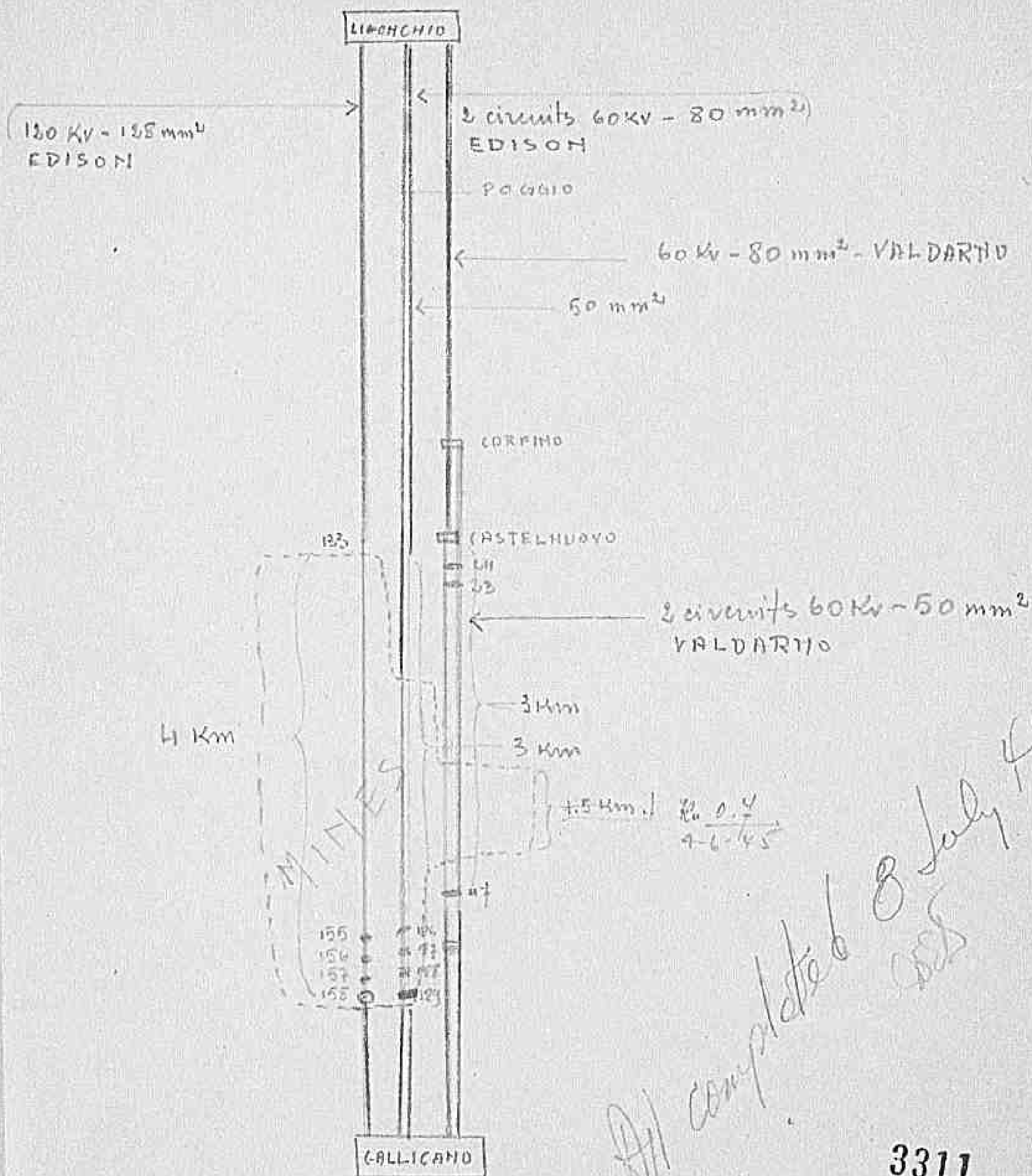
L'Ing. Casali della Società Elettrica Selt-Valdarno ci informa che con oggi tutta la necessaria rimozione delle mine sulle linee elettriche di trasmissione della Provincia di Lucca, verrà portata a compimento.

Ulteriore lavoro della durata di circa una settimana è ancora necessario su di una linea elettrica nelle vicinanze di Pianoscinto, linea che viene a trovarsi sul territorio della Provincia di Pistoia.

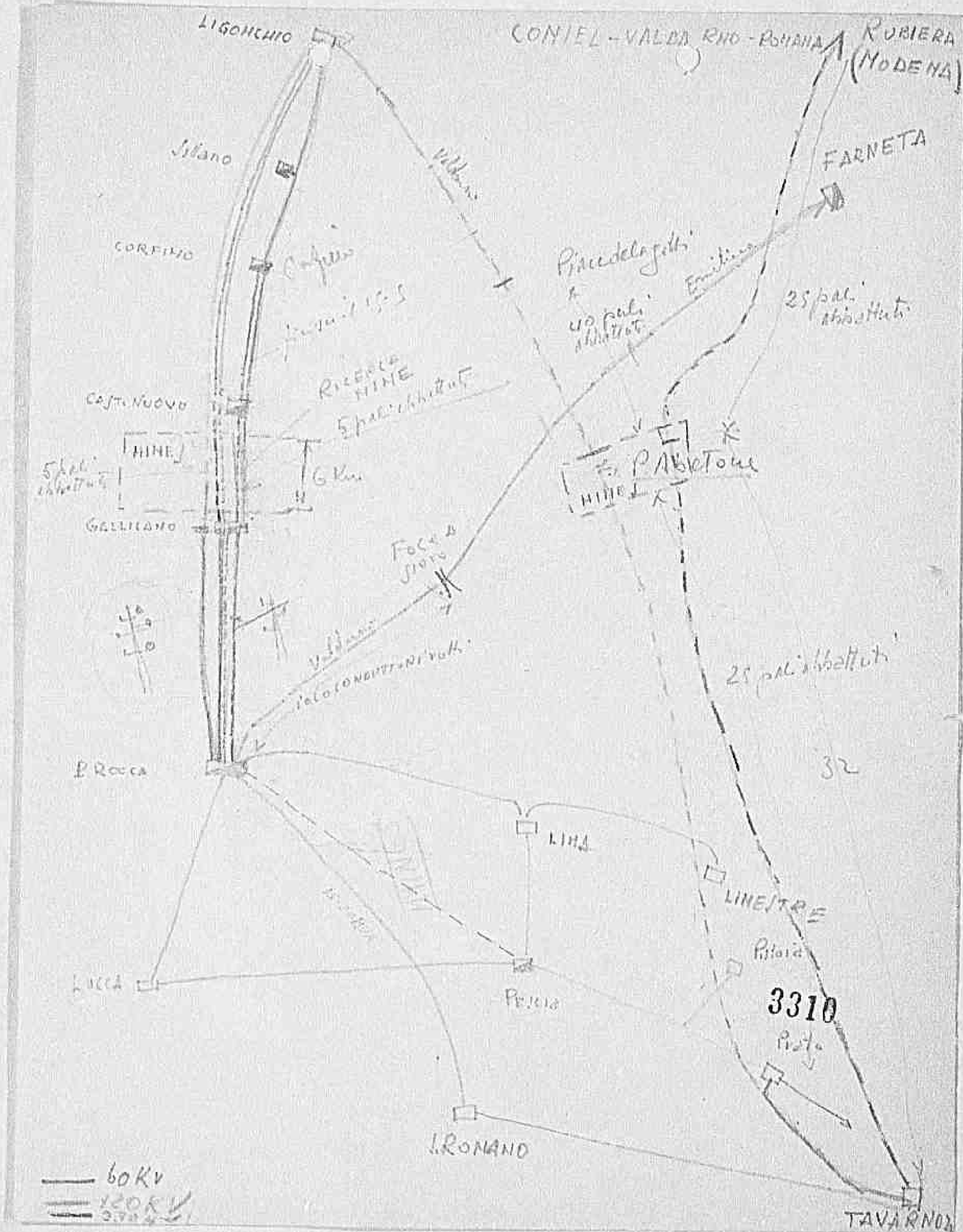
Nel mentre ci è noto che la richiesta per un tale lavoro dovrebbe essere, conforme a regolarità, indirizzata alla Provincia di Pistoia, la preghiamo di voler autorizzare gli uomini alle sue dipendenze a continuare la loro opera per il breve tempo che ancora si richiede sulla suindicata linea, e ciò per le ragioni seguenti: (1) i Suoi uomini hanno compiuto un lavoro molto soddisfacente e sono ormai di grande rendimento nel genere di lavoro di cui si tratta; (2) essi sono ben equipaggiati, ed ancora dispongono del mezzo di trasporto necessario per continuare questo servizio; (3) dell'altro tempo andrebbe perduto se si dovessero prendere nuovi accordi per altre squadre, altro equipaggiamento, altro mezzo di trasporto attraverso un altro Ufficio.

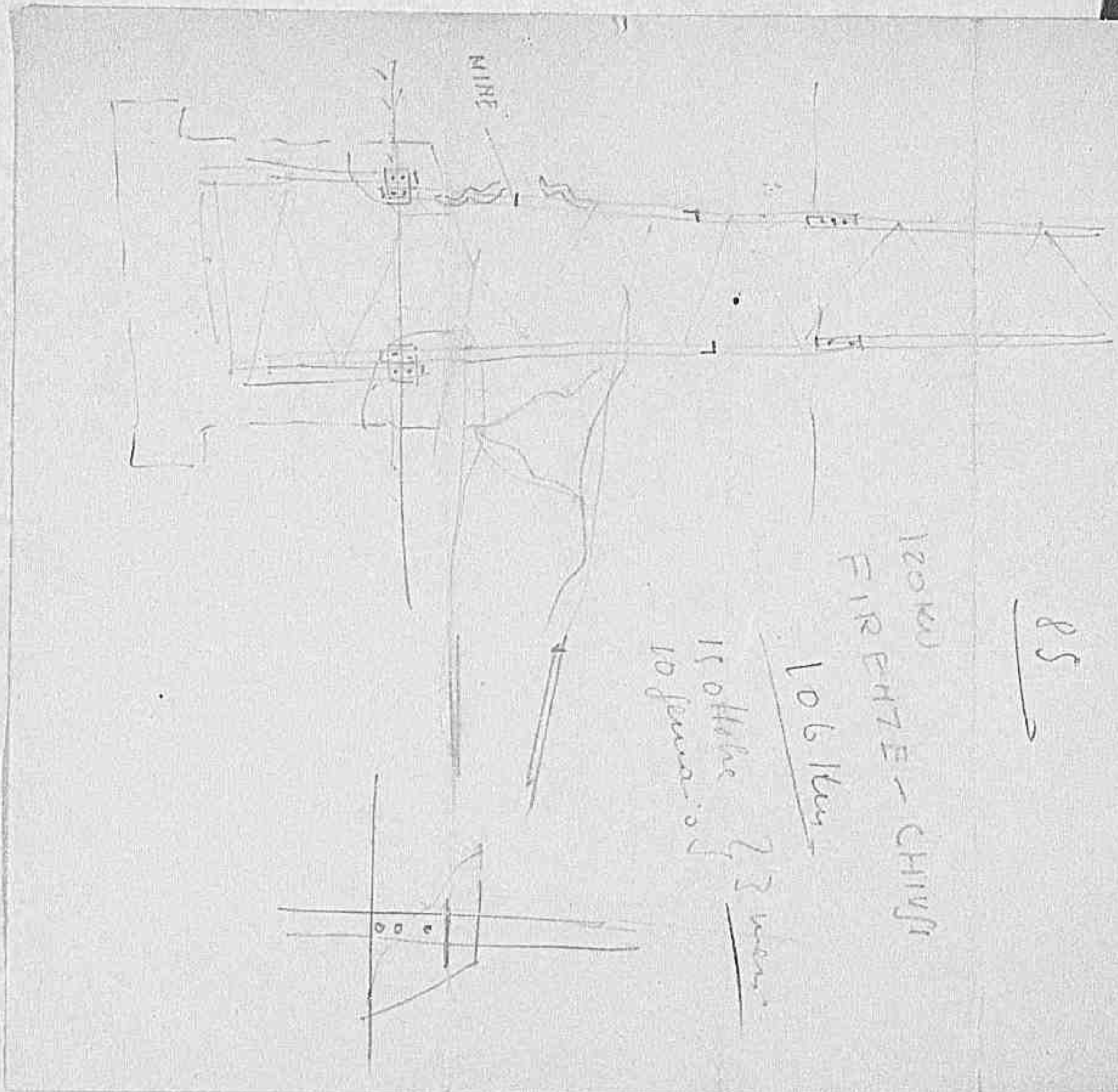
Lo scrivente Ufficio, che ha molto apprezzato l'eccellente lavoro compiuto e le buone relazioni esistenti nell'opera testè ultimata, spera che - nell'interesse di proficui risultati - le squadre da Lei dipendenti possano continuare a prestarsi, per il breve tempo richiesto, per completare questo così importante lavoro.

3312  
 Albert L. DURAN  
 Capitano Corpo Seg.  
 Divisione Elettrici

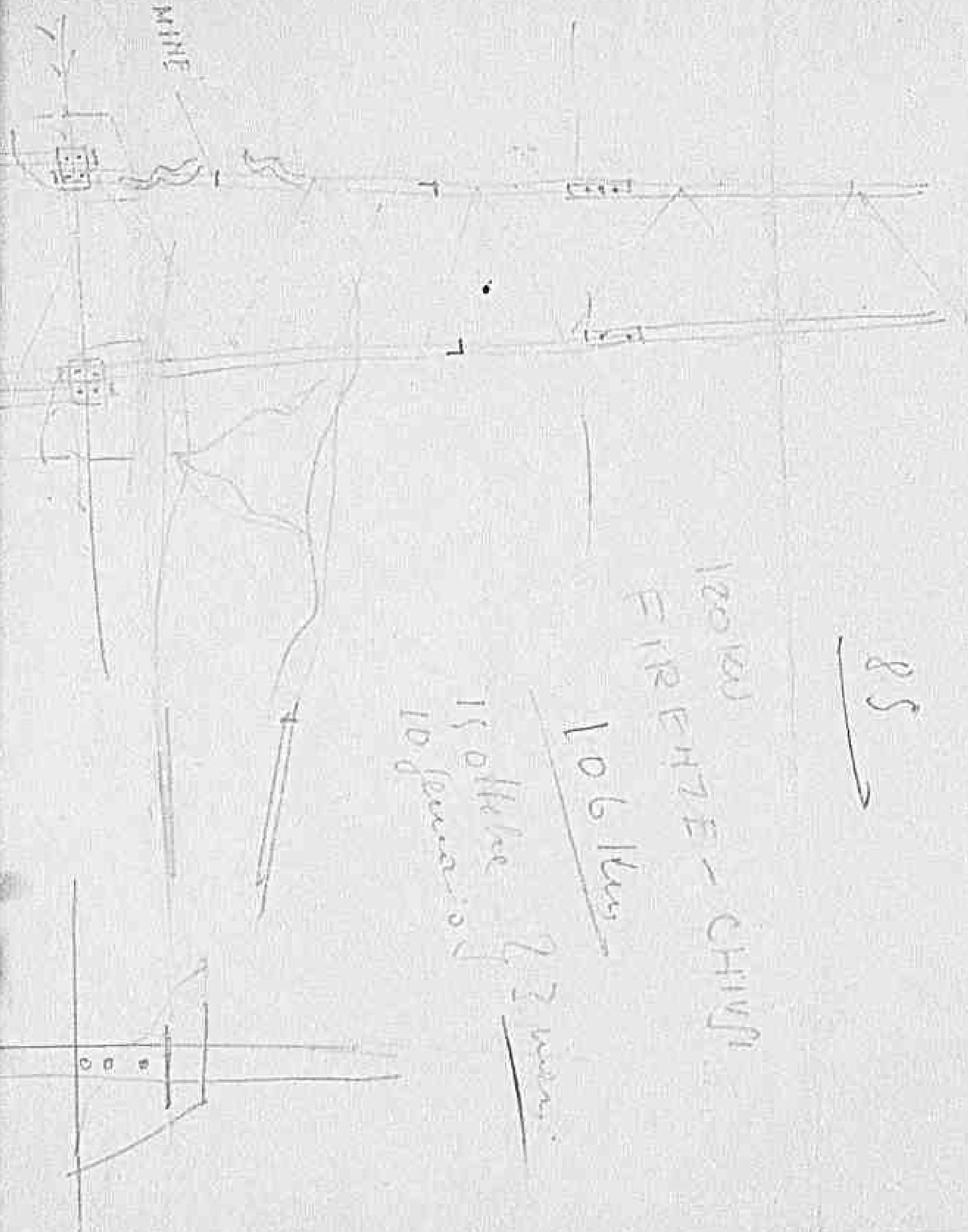


3311





MINE



6 HOTO  
 34 yds  
 34 yds  
 15 yds  
 85 yds  
 15 yds  
 75 yds  
 5 yds

1793 yds

85

120 yds  
 FIREHOLE - CHIVVI

1061 yds

150 yds  
 100 yds  
 100 yds

Form: MILAN

PHONOGRAM

Capu. Dec.

To : FLORENCE

To Major Barry - Florence

Copper will leave to-morrow.

20,000 KVA is maximum amount of power available thru converter equipment.

20,000 additional KVA may be supplied thru direct ~~3304~~ line  
No. 553 Civitate.

Capt. Best

Società Elettrica Selt - Valdarno

Dispaccio telefonico  
di servizio

Ufficio \_\_\_\_\_

|                                                                                            |               |                                                                                             |                                                             |
|--------------------------------------------------------------------------------------------|---------------|---------------------------------------------------------------------------------------------|-------------------------------------------------------------|
| RICEVUTO il _____ ore _____<br>dall' Ufficio di <u>Firenze</u> L' Impiegato <u>Tommaso</u> |               | TRASMESSO il _____ ore _____<br>dall' Ufficio di <u>Firenze</u> L' Impiegato <u>Tommaso</u> |                                                             |
| DESTINAZIONE                                                                               | PROVENIENZA   | Numero                                                                                      | Data della presentazione<br>giorno e mese      ore e minuti |
| <u>Firenze</u>                                                                             | <u>Milano</u> | <u>55</u>                                                                                   | <u>28-6</u> <u>18-30</u>                                    |

Se 15 - Tip. P. Rossi - 20.000 - 445.

Maggiorazione Benzina

Perme ha tre piani 2.000 Kw. massimo  
quantità che intanto è molto superiore  
15.000 Kw. 3.000 Kw. per piano sono fornite  
dalla linea. Per il diretto bene della linea 553

3308

Capt Best.

Photogram

1 Edison 60 kv. ~~single~~ 1 Valdams  
 is <sup>kv.</sup> ready for service June 30.

What is the maximum amount  
 of power available thru converter  
 equipment on this date

JUNE 28<sup>th</sup> 1945

3307

Best

176  
4. Col. L. Tupper.

Re: 2<sup>nd</sup> Tr. 646 Truck.

I concur in the  
demand of Major C. J. Kilcox  
in the transfer of this  
truck formerly used in  
Tegkash area by this office.

I wish to have Capt.  
Duran and this office  
relieved of any further  
responsibility concerning  
this truck.

995961

Società Elettrica Ser. Valdarno

Dispaccio telefonico  
di servizio

Ufficio

|                                                                          |             |                                                                           |                                                             |
|--------------------------------------------------------------------------|-------------|---------------------------------------------------------------------------|-------------------------------------------------------------|
| RICEVUTO il _____ ore _____<br>dall' Ufficio di _____ L' Impiegato _____ |             | TRASMESSO il _____ ore _____<br>dall' Ufficio di _____ L' Impiegato _____ |                                                             |
| DESTINAZIONE                                                             | PROVENIENZA | Numero                                                                    | Data della presentazione<br>giorno e mese      ore e minuti |
|                                                                          |             | 52                                                                        | 18.50                                                       |
|                                                                          |             | Indicazioni eventuali<br>d' Ufficio                                       |                                                             |

Se 15 - Tip. P. P. Rossi - 20.000 - 4-45.

To Major Barry,

Reference Valdarno O.C.B.

Società Adda informs that two of the five O.C.B. will be ready by 20th July; the remaining three will be ready by the end of July.

Maj. Wilcox

3306

Società Elettrica Sella Valdarno

Dispaccio telefonico  
di servizio

Ufficio

| RICEVUTO il _____ ore _____<br>dall' Ufficio di <u>Quarto</u> L' impiegato <u>Bozzi</u> |                | TRASMESSO il _____ ore _____<br>dall' Ufficio di <u>Quarto</u> L' impiegato <u>Bozzi</u> |                                                             |
|-----------------------------------------------------------------------------------------|----------------|------------------------------------------------------------------------------------------|-------------------------------------------------------------|
| DESTINAZIONE                                                                            | PROVENIENZA    | Numero                                                                                   | Data della presentazione<br>giorno e mese      ore e minuti |
| <u>Firenze</u>                                                                          | <u>Firenze</u> | <u>56</u>                                                                                | <u>7.2</u> <u>15.10</u>                                     |
| Indicazioni eventuali<br>d' Ufficio                                                     |                |                                                                                          |                                                             |

L'ingegnere Wilson - Sella Valdarno - ha pregato l'ingegnere Bozzi  
di trasmettere la richiesta dell'ordine della Valdarina  
per cinque D. C. B. da 110 Kv presso l'ufficio Dada  
di Bozzi; questa richiesta era in corso per  
l'ingegnere Bozzi. Inoltre, l'ingegnere Bozzi ha  
suo ufficio della Valdarina che si trova a  
Sella Valdarno presso l'ufficio Dada.

3305

L'ingegnere Bozzi

Maggiore Wilcox - Capitano Best  
presso Società Edison - Milano

9 luglio 1945

Prego verificare lo stato dell'ordine della Valdarno per cinque  
O.C.B. da 120 KV presso Officine ADDA di Lodi; questi sono richiesti  
con urgenza per Tavarnuzze. URGENTE. Mettersi in contatto con Ing.  
Longhi della Valdarno che si trova attualmente a Milano presso Gen-  
trale Co. **3302**

Maggiore Barry



ALABE 2107-2000

Major Wilcox - ~~Capt Best~~ 3303  
 To Edison Co. Milan

Verify condition of Valdarno  
 order for 5-120 kv. OCB's  
 at ADDA works Lodi.

Urgent. Contact Ing Long,  
 Valdarno - Centralia Co.

Milan. These OCB's  
 Required immediately for Avemuzze.  
 Only one has been delivered.  
 (21-7-45)



T r a n s l a t i o n

From: MILAN  
To : FLORENCE

To Major Barry

Copper (hoped to be) found through agreement with State Railways. First truck scheduled to leave on Tuesday. Please, procure two bottles oxygen for Edison Co. at Gallicano, essential for weldings.

Capt. Best.

3301

Società Elettrica Selt - Valdarno

Dispaccio telefonico  
di servizio

Ufficio

| RICEVUTO il _____ ore _____<br>dall' Ufficio di _____ L' impiegato _____ |             | TRASMESSO il _____ ore _____<br>dall' Ufficio di _____ L' impiegato _____ |                                                             |
|--------------------------------------------------------------------------|-------------|---------------------------------------------------------------------------|-------------------------------------------------------------|
| DESTINAZIONE                                                             | PROVENIENZA | Numero                                                                    | Data della presentazione<br>giorno e mese      ore e minuti |
| _____                                                                    | _____       | 59                                                                        | 8/6 15:30                                                   |
| Indicazioni eventuali<br>d' Ufficio                                      |             |                                                                           |                                                             |

3300

2530

*Leonardo Alvarado*

BEST COPY POSSIBLE

Società Elettrica Selt - Valdarno

Dispaccio telefonico  
di servizio

Ufficio \_\_\_\_\_

|                                                                    |             |                                                                     |                                                           |
|--------------------------------------------------------------------|-------------|---------------------------------------------------------------------|-----------------------------------------------------------|
| RICEVUTO il _____ ore _____<br>dall' Ufficio di _____ L' Impiegato |             | TRASMESSO il _____ ore _____<br>dall' Ufficio di _____ L' Impiegato |                                                           |
| DESTINAZIONE                                                       | PROVENIENZA | Numero                                                              | Data della presentazione<br>giorno e mese    ore e minuti |
| Milano                                                             | Firenze     | 51                                                                  | 21-6    1540                                              |
|                                                                    |             | Indicazioni eventuali<br>d' Ufficio                                 |                                                           |

Col Parker presso Soc Edison Milano  
all'attenzione del Cap. Best. Linea a 120 kV  
Ormai sgruola di linee - Promozione  
della linea attualmente in corso sulla  
linea 60 kV. Preghiamo sollecitare al  
massimo possibile l'invio del materiale  
indispensabile ai lavori. Potrebbe  
la F.E.S.P. prestare il costruttore  
alla Edison? Affare Darry

Alfredo

Alfredo

3538

T r a n s l a t i o n

PHOTOGRAM

June 21st 1945

From:

To : FLORENCE

To Major Barry - Valdarno Co. Florence

A truck loaded with material for pylons will depart to-day or to-morrow.

It is hoped to be able to send copper shortly, but the amount required is bigger than expected, and the Edison reserves are insufficient.

Capt. Best.

*Reply To Captain Best.*  
*All mines are removed on 120 kv. line - now clearing Edison 60 kv. line.*  
*Use all possible pressure to deliver material vital to works. Can Terrovia State loan conductor to Edison.*  
*Wm J. Davis*

Società Elettrica Selt - Valdarno

Dispaccio telefonico  
di servizio

Ufficio \_\_\_\_\_

| RICEVUTO il <u>Maggio</u> ore _____                |              | TRASMESSO il _____ ore _____              |                                                           |
|----------------------------------------------------|--------------|-------------------------------------------|-----------------------------------------------------------|
| dall' Ufficio di _____ L' impiegato <u>C. Bost</u> |              | dall' Ufficio di _____ L' impiegato _____ |                                                           |
| DESTINAZIONE                                       | PROVENIENZA  | Numero                                    | Data della presentazione<br>giorno e mese    ore e minuti |
| <u>Livorno</u>                                     | <u>Prato</u> | <u>50</u>                                 | <u>21/6</u> <u>12m</u>                                    |

Maggiore Berry  
Valdarno Firenze

Un automezzo con ma-  
teriale per parti fabbricate oggi o domani. Si ha  
un motore come tre anni, ma la potenza  
è inferiore alla richiesta e i serbatoi  
insufficienti.

Cap. Bost 3297

1883

Comando Allecto

Società Elettrica Selt - Valdarno

Dispaccio telefonico  
di servizioUfficio *File*

| RICEVUTO il _____ ore _____<br>dall' Ufficio di <i>Xenice</i> L' impiegato <i>Vanni</i> |               | TRASMESSO il _____ ore _____<br>dall' Ufficio di <i>Valdarno</i> L' impiegato <i>Secreta</i> |                                                             |                                     |
|-----------------------------------------------------------------------------------------|---------------|----------------------------------------------------------------------------------------------|-------------------------------------------------------------|-------------------------------------|
| DESTINAZIONE                                                                            | PROVENIENZA   | Numero                                                                                       | Data della presentazione<br>giorno e mese      ore e minuti | Indicazioni eventuali<br>d' Ufficio |
| <i>Xenice</i>                                                                           | <i>Milano</i> | <i>48</i>                                                                                    | <i>18-6</i> <i>30-30</i>                                    |                                     |

*Maggiore Bonny - Firenze*  
*Chiedi Soc. Edison se hanno sul posto il 1° motore*  
*le compenso di Xenice di soli 21.000.000 verso il 21*  
*giugno. I conduttori sono immediatamente*  
*se possibile date loro all'ing. con autografo e timbre*  
*no per trasporto locale*

3296

*1° Capit. Colonnello Bonny*

Margaret Berry

---

file

Ch. Parker.

% Edison -

Imperative we receive  
material and men immediately  
without further delay on  
120 Kv. line

Please reply.

J. W. Bar

3295

*Società Elettrica del Valdarno*

ANONIMA SEDE IN FIRENZE

Capitale L. 330.000.000 versato

22  
11  
11  
50

IL CONDIRETTORE

Società Elettrica Selt - Varenna

Dispaccio telefonico  
di servizio

Ufficio \_\_\_\_\_

| RICEVUTO il _____ ore _____<br>dall' Ufficio di _____ L' Impiegato _____ |             | TRASMESSO il _____ ore _____<br>dall' Ufficio di _____ L' Impiegato _____ |                                                        |
|--------------------------------------------------------------------------|-------------|---------------------------------------------------------------------------|--------------------------------------------------------|
| DESTINAZIONE                                                             | PROVENIENZA | Numero                                                                    | Data della presentazione<br>giorno e mese ore e minuti |
| Milano                                                                   | Genova      | 44                                                                        | 18/6 19.43                                             |

Gen. Olo Parker presso Bolson  
Milano

Indispensabile che nei ricevitori interni -  
diabromente senza ulteriore ritardo -  
sia usata per il lavoro sulla linea a 120 Kp  
"galliccio" - Ligonchio -  
Atterciole e sospese -

Maggio, Ber 3294

6003

Communist  
Allies

Società Elettrica Selt - V. arno

Dispaccio telefonico  
di servizio

Ufficio

| RICEVUTO il _____ ore _____<br>dall' Ufficio di <u>Prato</u> L' impiegato <u>Magari</u> |                | TRASMESSO il _____ ore _____<br>dall' Ufficio di <u>Fire</u> L' impiegato <u>Magari</u> |                                                             |
|-----------------------------------------------------------------------------------------|----------------|-----------------------------------------------------------------------------------------|-------------------------------------------------------------|
| DESTINAZIONE                                                                            | PROVENIENZA    | Numero                                                                                  | Data della presentazione<br>giorno e mese      ore e minuti |
| <u>Firenze</u>                                                                          | <u>Firenze</u> | <u>116</u>                                                                              | <u>15.6</u> <u>18.30</u>                                    |
| Indicazioni eventuali<br>d' Ufficio                                                     |                |                                                                                         |                                                             |

Per il trasporto di materiale a Firenze  
il conduttore per la linea a 120 kV 60 % della linea  
già tolta. Il materiale è stato consegnato  
al posto del bus e ha fatto la manutenzione  
conduttore. Attorno al bus si è visto che  
trasporto.

Magari 3293

*Personal Photo*

To Col Parker. To Union Milano

Please transport 120 kv conductor  
to Galliano immediately  
60 % of mines cleared.

Ready to mount conductor.

~~Please reply giving date of movement.~~  
Cable workers have not arrived on  
site.

Please reply giving date of movement  
Major C.E.

Società Elettrica Selt - Valda

Dispaccio telefonico  
di servizio

Orio

| RICEVUTO il <u>4/11</u> ore <u>12</u> |                  | TRASMESSO il <u>4/11</u> ore <u>12</u> |                          |              |                                     |
|---------------------------------------|------------------|----------------------------------------|--------------------------|--------------|-------------------------------------|
| dall' Ufficio di <u>L' Impiegato</u>  |                  | dall' Ufficio di <u>L' impiegato</u>   |                          |              |                                     |
| DESTINAZIONE                          | PROVENIENZA      | Numero                                 | Data della presentazione |              | Indicazioni eventuali<br>d' Ufficio |
|                                       |                  |                                        | giorno e mese            | ore e minuti |                                     |
| <u>Gallesano</u>                      | <u>Gallesano</u> | <u>48</u>                              | <u>14-6</u>              | <u>1235</u>  |                                     |

Fig. Barab. Gallesano

dopo al fine posto di conduttore  
addetto per servizio della linea  
220 kV e sottostazione

Allegato D. 011

**3291**

Life

o Comandante Alcega

1981

0000

ADVANCED SECTION  
ELECTRICAL DIVISION  
PUBLIC WORKS & UTILITIES SUB-COMMISSION  
ALLIED COMMISSION  
APO 394

6 Via Cerretani, Florence  
Telephone No. 1153  
June 13th 1945

SUBJECT: Conductor for transmission line.

TO : Lt.Col. Lapper  
Electrical Division P.W. & U. S/C  
H.Q. Allied Commission APO 394

According to a previous agreement with Col.Parker, the following phonogram was dispatched on June 11th 1945 at 18.30 hours:

"To Col.Parker - c/o Edison Electric Co. - Milan  
Work will be resumed to-morrow June 12th on 120 KV line. Please  
transport conductor to arrive on works 13th June - Major Barry."

For your information.



*E.J. Barry*  
E.J.BARRY  
Major C.E.  
Officer in charge

3290

ADVANCED SECTION  
ELECTRICAL DIVISION  
PUBLIC WORKS & UTILITIES SUB-COMMISSION  
ALLIED COMMISSION  
APO 394

6 Via Cerretani, Florence  
Telephone No. 1153  
June 13th 1945

SUBJECT: Information on supply from the North.

TO : Lt. Col. Renton  
Electrical Division P.W. & U. S/O  
H.Q. Allied Commission A.P.O. 394

The following information has been received from Sig. Rubieri, Valdarno Co. on supply June 12th 1945:

| Time | At Ligonchio (1) | Florence service (2) | Leghorn service (3) |
|------|------------------|----------------------|---------------------|
| 1100 | 9,000            | 5,000                | 3,000               |
| 1200 | 10,000           | 5,000                | 3,500               |
| 1300 | 9,000            | 5,500                | 3,000               |
| 1400 | 9,000            | 4,500                | 4,000               |
| 1500 | 10,500           | 8,500                | 1,500               |
| 1600 | 11,700           | 9,000                | 1,000               |
| 1700 | 11,500           | 9,000                | 1,000               |
| 1800 | 11,000           | 9,000                | 500                 |
| 1900 | 10,000           | 8,000                | —                   |
| 2000 | 9,000            | 8,000                | —                   |
| 2100 | 9,500            | 8,000                | 1,000               |

- (1) Measured at Ligonchio.  
(2) Measured at Piano della Rocca - Florence service gives power to Pistoia, Prato and Florence area where the pumping station for drinking water is located.  
(3) Measured at Piano della Rocca - Leghorn service is the grid of Leghorn in parallel with Lardorello.



Total load at Larderello is 14,500 KW. Is at maximum between 08.00 hours and 11.00 hours, and between 17.00 and 23.00

Total load at Colle from Larderello 1,000 KW

Total load at Siena from Terni-Nera Montoro 1,600 KW

There is no possibility of carrying Arezzo on Larderello through Castelnuovo because:

- there is insufficient transformer capacity at Larderello;
- there is insufficient line capacity (Larderello - Colle - Castelnuovo 30 KV line is 30 sqmm)
- there is insufficient switching capacity at Castelnuovo dei Sabioni for this service.



*E.J. Barry*  
E.J. BARRY  
Major G.E.  
Officer in charge

3288

3288

Società Elettrica Selt - Valdarno

Dispaccio telefonico  
di servizio

Ufficio \_\_\_\_\_

| RICEVUTO il _____ ore _____<br>dall' Ufficio di <u>Prato</u> L' impiegato <u>Magagnoli</u> |                | TRASMESSO il _____ ore _____<br>dall' Ufficio di <u>Corrida</u> L' impiegato _____ |                                                             |
|--------------------------------------------------------------------------------------------|----------------|------------------------------------------------------------------------------------|-------------------------------------------------------------|
| DESTINAZIONE                                                                               | PROVENIENZA    | Numero                                                                             | Data della presentazione<br>giorno e mese      ore e minuti |
| <u>MILANO</u>                                                                              | <u>Livorno</u> | <u>42</u>                                                                          | <u>11/6</u> <u>18 1/2</u>                                   |

Comente Cdo Parker  
presso Edizione Milano

Domani 12 cinque sarà  
iniziato il lavoro sulla linea a 120 Pollicino. L'ingegnere  
prego provvedere per il trasporto del conduttore perché  
potrà essere disponibile il giorno 13 finito.

Amegione **3287**

J. C. Parker.

Work will be  
resumed to-morrow June 12  
on 120 kv. line, please  
transport conductor to  
arrive on works 13 June.

Major E. Barry

3286

Società Elettrica Selt - Valdarno

Dispaccio telefonico  
di servizio

Ufficio

| RICEVUTO il _____ ore _____<br>dall' Ufficio di _____ L' Impiegato _____ |             | TRASMESSO il _____ ore _____<br>dall' Ufficio di _____ L' Impiegato _____ |                                                             |
|--------------------------------------------------------------------------|-------------|---------------------------------------------------------------------------|-------------------------------------------------------------|
| DESTINAZIONE                                                             | PROVENIENZA | Numero                                                                    | Data della presentazione<br>giorno e mese      ore e minuti |
| Valdarno                                                                 | Firenze     | 111                                                                       | 9.9      10.10                                              |
| Indicazioni eventuali<br>d' Ufficio                                      |             |                                                                           |                                                             |

3582

*Fernando Olata*

*Luigi Bartolini*

Società Elettrica Selt - Valdarno

Dispaccio telefonico  
di servizioUfficio *fill*

|                                                                          |             |                                                                           |                                                             |
|--------------------------------------------------------------------------|-------------|---------------------------------------------------------------------------|-------------------------------------------------------------|
| RICEVUTO il _____ ore _____<br>dall' Ufficio di _____ L' Impiegato _____ |             | TRASMESSO il _____ ore _____<br>dall' Ufficio di _____ L' impiegato _____ |                                                             |
| DESTINAZIONE                                                             | PROVENIENZA | Numero                                                                    | Data della presentazione<br>giorno e mese      ore e minuti |
| Milano                                                                   | Firenze     | 31                                                                        | 2.6      9.50                                               |

Venute bollare il Portier a Impiegato Best per il Signor  
Mariano

Prego farli conoscere immediatamente quanto  
è ora del Portier arrivo a Bologna

Y. Maggiore Benzi.

Magore Berry  
16

PROGRAM OF REHABILITATION WORK IN ELECTRICAL PLANTS

June 8th 1945

HIGH TENSION CONNECTION LINES IN NORTH AREA

By mine lifting, now in progress between Galliano and Castelnuovo Garfagnana, it is expected to have a 60 KV line in service (three circuits 50 sqmm) by June 15th, to enable us to get power from Ligonchio.

Further the 120 KV line will be repaired by Edison Co. and finally another circuit 60 KB, Edison property as well. An exact date of completion of these two works cannot be determined, but - apart from unexpected difficulties - it is anticipated that the same may be achieved by July 15th approx.

The 120 line Ligonchio - Tavarnuzze through Abetone and Prato is being repaired, and it is believed that the job may be done in 3 months, provided that the conductor is made available; about 15 tons wire 115 sqmm.

The 120 KV line through Passo Foce al Giovo may be repaired by July 15th in the Valdarno property section. No sure information of the Emiliana Co. property section. It is only known that the line has been badly hit and 20 poles are on the ground.

The 60 KV Piano della Rocca - Pescia through Pizzorne, passing through a mine field, has not been repaired as yet. It is expected that the work shall begin in the nearest future. It is known that a conductor 8P sqmm has been taken away, and the same is not available at present.

The repairs on the 30 KV line Pontedera - Altopascio will begin very soon.

GARFAGNANA POWER STATIONS REHABILITATION.

- 1) - The water of Sillico and Ceserano streams (which are not being disposed of in Piano della Rocca plant) must be driven to Ponte Cosi lake. For this work some repairs must be done at the basin at Campori plant, and a canal bridge must be repaired on Ceserano derivation.  
Time scheduled: 15 days. Materials: 5 tons cement.
- 2) - Corfino plant rehabilitation.

terminated, but - apart from unexpected difficulties - it is anticipated that the same may be achieved by July 15th approx.

The 120 KV line Ligonchio - Tavaruzze through Abetone and Prato is being repaired, and it is believed that the job may be done in 3 months, provided that the conductor is made available; about 15 tons wire 115 sqmm.

The 120 KV line through Passo Foce al Giovo may be repaired by July 15th in the Valdarno property section. No sure information of the Emiliana Co. property section. It is only known that the line has been badly hit and 20 poles are on the ground.

The 60 KV Piano della Rocca - Pescia through Pizzorno, passing through a mine field, has not been repaired as yet. It is expected that the work shall begin in the nearest future. It is known that a conductor 82 sqmm has been taken away, and the same is not available at present.

The repairs on the 30 KV line Pontedera - Altopascio will begin very soon.

#### GARTAGNANA POWER STATIONS REHABILITATION.

1) - The water of Sillico and Ceserano streams (which are not being disposed of in Piano della Rocca plant) must be driven to Ponte Cosi lake. For this work some repairs must be done at the basin at Cempori plant, and a canal bridge must be repaired on Ceserano derivation.  
Time scheduled: 15 days. Materials: 5 tone cement.

2) - Corfino plant rehabilitation. <sup>328</sup>Assembly of A 2400 HP group is in service in this plant, and re-installation of the transformers formerly hidden. All machinery must be heated at short circuit for a long while, due to its condition. A month at least is scheduled for such a work. It must be considered that to rehabilitate the water derivation from Corfino reservoir, the Villa lake must be emptied and the grills on the intake of pressure tunnel (?) must be replaced, having been taken away on German order during the emergency.

Besides that, all the mines located in the lake in the vicinity of the intake must be cleared. This is a difficult job, and is not our deal.

*Copy to: Col. Doolley  
Capt. Doherty*

### 3) - Rehabilitation of the water derivation of Castiglio ne stream in Corfino lake.

Said derivation has been damaged in all the canal bridges, having the population opened holes in the walls to use them as shelters during the air raids.  
Time scheduled for the work, one month. Materials: 10 tons cement.

### 4) - Rehabilitation of Castelnuovo Garfagnana Plant.

#### Works required:

- a) Repairs to 15 m of the pressure tunnel;
- b) clearing of debris and recovering of the plant material;
- c) reconstruction of the power station building;
- d) assembling and repairs of the two salvaged groups.

Time scheduled one year, provided we are granted the necessary materials and transportation, and provided the bridge on the Serchio River be rebuilt so that it is possible to reach the Centrale.

### 5) - Rehabilitation of Gallicano plant.

#### Works required:

- a) rehabilitation of the derivation of Turrite di Gallicano and building of bridge on Canale Sant'Andrea.
- b) repairs of the penstock of Gallicano plant, hit by shells and flattened in the street crossing of Gallicano - Castelnuovo road. The work has been initiated and will be completed in 2 months.
- c) Clearing of debris and recovering of hidden material.
- d) Building of 2 masonry barracks covered with plate to protect the two units.
- e) Repairs of crane, needed to assemble the two groups.
- f) Assembling of horizontal group and annexed transformer

Time scheduled for the work: 6 months, provided necessary materials and hauling is granted.

#### TAVARNUZZE SUB-STATION

Sunday June 3rd a first 20,000 KVA, 120/35 KV transformer has been put into service.

Work is in progress to assemble another 20,000 KVA transformer and it is believed that it can be put into service by

July 15th.

3283

c) clearing of debris and recovering of the plant material  
 c) reconstruction of the power station building;  
 d) assembling and repairs of the two salvaged groups.

Time scheduled one year, provided we are granted the necessary materials and transportation, and provided the bridge on the Serchio River be rebuilt so that it is possible to reach the Centrale.

#### 5) - Rehabilitation of Gallicano plant. Works required:

a) rehabilitation of the derivation of Turrite di Gallicano and building of bridge on Canale Sant'Andrea.

b) repairs of the penstock of Gallicano plant, hit by shells and flattened in the street crossing of Gallicano - Castelnuovo road. The work has been initiated and will be completed in 2 months.

c) Clearing of debris and recovering of hidden material.

d) Building of 2 masonry barracks covered with plate to protect the two units.

e) Repairs of crane, needed to assemble the two groups.

f) Assembling of horizontal group and annexed transformer Time scheduled for the work: 6 months, provided necessary materials and hauling is granted.

#### TAVARNUZZE SUB-STATION

Sunday June 3rd a first 20,000 KVA, 120/35 KV transformer has been put into service.

Work is in progress to assemble another 20,000 KVA transformer and it is believed that it can be put into service by July 15th.

3283

#### DISTRIBUTION PROGRAM

When the connection with the north, scheduled for about 15th June, will be effective, the distribution may be as follows:

The 60 KV line from Ligonchio will be connected on the bars of Piano della Rocca substation with the line to Leghorn and to Lucca, and thence with the derivation to Lucca - Pescia - Prato. Edison in this way will be in parallel with the Larderello - Piano della Rocca - Lima plants.

At Piano della Rocca the three windings transformers will be in a condition to raise the tension from 60 to 120 KV in order to bring power to Tavarnuzze by means of San Romano line.

CAPT DORAN  
File (10)PROGRAMMA DEI LAVORI DI RIATTIVAZIONE DEGLI IMPIANTI ELETTRICILINEE AD ALTA TENSIONE DI COLLEGAMENTO  
NELLA ZONA NORDJune 4th  
1965

Con la rimozione delle mine in corso nel tratto fra Galliciano e Castelnuovo Garfagnana si ritiene di avere pronta una linea a 60 KV. (una terna da 50 mm<sup>2</sup>) per il 15 p.v. per potere ritirare energia da Ligonchio.-

Successivamente sarà riparata la linea a 120 KV. della Edison ed infine un'altra terna a 60 KV. di proprietà pure della Soc. Edison.-

Non possiamo indicare la data precisa di ultimazione di questi due ultimi lavori, ma si può ammettere che salvo imprevisti potranno essere terminati per il 1° Luglio p.v.-

La linea a 120 KV. Ligonchio -Tavarnuzze attraverso l'Abetone e Prato è in fase di riparazione e si ritiene di poterla riparare in 3 mesi avendo a disposizione il conduttore che manca; circa 1,0 quintali di treccia da 115 mm<sup>2</sup>.-

La linea a 120 KV. attraverso il Passo della Foce al Giovo potrà essere riparata nel tratto di proprietà Valdarno entro la prima metà di Luglio.- Non abbiamo notizie precise del tratto di proprietà Emiliana, ma sappiamo che la linea è rimasta molto danneggiata essendovi circa 20 pali a terra.-

La linea a 60 KV. Pien della Rocca-Pescia attraverso le Pizzorne passando per una zona infestata da mine non è stata per ora riparata. Si prevede di potere cominciare il lavoro al più presto.- Sappiamo però che è stato asportato molto conduttore da 80 mm.<sup>2</sup> che non abbiamo ora a nostra disposizione.-

La linea a 30 KV. Pontedera-Altopascio sarà messa in riparazione al più presto.-

./.

RIATTIVAZIONE DELLE CENTRALI DELLA GARFAGNANA

- 1) Immissione nel lago di Ponte Così delle acque del torrente Sillico e Ceserano, acque che attualmente sfuggono alla utilizzazione dell'impianto di Pian della Rocca.-

Per questo lavoro è necessario eseguire delle riparazioni alla vasca di carico dell'impianto di Campori e riparare un ponte canale sulla derivazione del Ceserano.-

Tempo occorrente 10 giorni - materiale 50 ql. di cemento.

- 2) Riattivazione dell'impianto del Corfino.-

In questa Centrale è in servizio un gruppo da 2400 HP, attualmente si sta lavorando per il montaggio del II° e del III° gruppo ed al ripristino dei trasformatori nascosti. Il macchinario va riscaldato in corto circuito per lungo tempo dato lo stato in cui si trova.-

Per questi lavori occorrerà almeno un mese.-

Però per riattivare la derivazione di acqua dal serbatoio del Corfino, è necessario vuotare il lago di Villa e mettere a posto le griglie della presa in pressione che sono state asportate durante l'emergenza per ordine dei tedeschi, e vanno tolte tutte le mine che sono state gettate nel lago proprio in prossimità della presa stessa.- Lavoro questo difficile e non di nostra competenza.-

- 3) Riattivazione della derivazione di acqua del torrente Castiglione nel lago del Corfino.-

Detta derivazione è stata danneggiata in tutti i ponti canali dove sono state operate delle aperture sulle pareti per servirsene come ricovero contro i bombardamenti della popolazione. 3281

Tempo occorrente 30 giorni. Materiale 100 ql. di cemento.

-3-

## 4) Riattivazione dell'impianto di Castelnuovo Garfagnana .-

Lavori necessari:

- a) riparazione della galleria in pressione per una lunghezza di mt. 15.-
- b) sgombero delle macerie e recupero del materiale della Centrale.-
- c) ricostruzione del fabbricato della Centrale.-
- d) montaggio e riparazione di due gruppi salvati.-

Tempo occorrente un anno sempre che ci venga assegnato il materiale necessario e aiuti per i trasporti e che venga ricostruito un ponte sul Serchio in modo da poter accedere alla Centrale.-

## 5) Riattivazione dell'impianto di Galliano.-

Lavori necessari;

- a) ripristino della derivazione della Turrite di Galliano con la costruzione del ponte Canale di S. Andrea.-
- b) riparazioni delle condotte forzate dell'impianto di Galliano colpite da 26 colpi di artiglieria e schiacciate in corrispondenza dell'attraversamento stradale Galliano-Castelnuovo.-

Questo lavoro è già stato iniziato e occorreranno due mesi per completarlo.-

- c) Sgombero delle macerie e recupero del materiale nascosto.
- d) Costruzione di due baracche in muratura ricoperte con lamiera per protezione dei due gruppi.-
- e) Riparazione della gru necessaria per il montaggio del II° gruppo.-
- f) Montaggio del gruppo orizzontale ed i relativi trasformatori.-

Tempo occorrente 6 mesi, semprechè ci venga assegnato il materiale necessario e aiuti nei trasporti.-

./.

-4-

SOTTOSTAZIONE DI TAVARNUZZE

Domenica 3 Giugno è stato messo in servizio un primo trasformatore da 20.000 KVA rapporto 120/30.-

Si sta lavorando per montare un secondo trasformatore della stessa potenza 20.000 KVA e si ritiene di poterlo mettere in servizio per il 1° luglio p.v.

PROGRAMMA DI ESERCIZIO

Quando sarà possibile il collegamento a 60 KV. con il Nord, e ciò si prevede verso il 1° Giugno, il servizio potrà essere il seguente:

La linea a 60 KV. proveniente da Ligonchio sarà collegata sulle sbarre della Sottostazione di Pian della Rocca con la linea per Livorno e per Lucca quindi con la derivazione per Lucca-Pescia-Prato.- La Edison verrà così in parallelo con le Centrali di Larderello -Pian della Rocca e Lima.-

A Pian della Rocca i trasformatori a 3 avvolgimenti potranno essere in condizioni di elevare la tensione da 60 a 120 KV. per portare corrente a Tavarnuzze a mezzo della linea di S. Romano.-

4/6/45

3279

ADVANCED SECTION  
ELECTRICAL DIVISION  
PUBLIC WORKS & UTILITIES SUB-COMMISSION  
ARMED COMMISSION  
APO 394

6 Via Cerretani, Florence  
Telephone No. 1153  
June 2nd 1945

SUBJECT: Transportation requirements for electric transmission line rehabilitation.

TO : Regional Commissioner, Toscana Region  
(attent. Regional Transportation Officer)

1. Reference is made to the conversation on the morning of 2nd June 1945 between Lt.Col. Giles, of Toscana Region, and Lt.Col. V.S. Ranton and Major E.J. Barry, Electrical Division Public Works & Utilities Sub-Commission. This memorandum is submitted to furnish information requested by Col. Giles.

2. The Selt-Valdarno Electric Company is presently rehabilitating three electric transmission lines connecting north and central Italy. The completion of these lines will permit a large scale transfer of electric energy from north Italy, where there is an excess, to central Italy, where there is a scarcity. The area from Rome to Lucca will benefit by the improvement.

The location of the transmission lines to be repaired is between Galliano and Castelnuovo, about forty kilometers north of Lucca. However, it will be necessary to move a quantity of materials to the site from points as far removed as Chiusi and Tavaruzze.

3. I estimate that one and a half ton trucks will be needed for a period of approximately one month to do this work, to be located at the following points:

| Number of vehicles   | Location          | To report to   | Purpose              |
|----------------------|-------------------|----------------|----------------------|
| 1 - 3 tons           | Leghorn           | Mr. Doveri     | Transport. materials |
| 1 - 1½ "             | Lucca             | Ing. Silvietti | " mine clearers      |
| 2 - 1) 1½, 1) 3 tons | Galliano          | Ing. Casali    | " line materials     |
| 1 - 1½ tons          | Florence          | "              | "                    |
|                      | to Chiusi         | "              | "                    |
| 1 - 1½ tons          | Piano d. Rocca    | "              | "                    |
| 1 - 1½ "             | Pescia-Ponte-     | "              | "                    |
|                      | dera line (Lucca) | "              | "                    |
| 1 - 1½ "             | Florence Tavar-   | "              | "                    |
|                      | nuzze to Sperando | "              | "                    |

3278

4. Because the rehabilitation will benefit all of central Italy, and not the Valdarno Company alone, it is requested that no payment be asked of the Valdarno, or any other electric Company.

5. It would be appreciated if the trucks were first made available on Tuesday 5th June. Captain A.E. Duran of this Office will meet with your representatives on Monday to arrange any necessary details.

*E. J. Barry Major CDE*

*J. H.* Vinal S. RENTON  
Lt. Col. Inf.  
Operat. & Trans. Dept.



Copy to: Lt. Col. Renton  
Capt. A. E. Duran  
File

3277

Sig. Rubieri  
Ufficio Ripartizione carico  
Selt-Valdarno

29 Maggio 1945

Il lavoro di connessione del trasformatore sulla linea a 120 KV verrà effettuato Domenica 3 Giugno, come convenuto dall'Ing. Pietromarchi a Roma.

Le connessioni del trasformatore debbono essere istallate nello stesso periodo di tempo a Chiusi.

Il Sig. Rubieri è pregato di chiamare Roma al telefono circa quanto sopra.

S. J. BARRY  
Major C.E.

3276

TO: Capt. Duran

May 28th 1945

In order to connect the 20,000 KVA transformer in the 120 KV line, Selt-Valdarno needs 6/7 hours work.

Terni, in order to restore the insulation in the 120 KV line in the section of Terni property, needs 6/7 hours interruption.

The Valdarno Electrical Co. suggests to make this work Sunday June 3rd for the reason that on Sunday it is possible to carry the load only with Nera Montoro through Castelnuovo dei Sabbioni, and the 30 KV line.

! . Rossettini

*Rossettini*  
 This work will proceed Sunday June 3 as arranged by Ing. Pietro Nacci in Rome the instrument transformer must be installed during this same period of time at Chiassi.  
 Ing. Rubieri should call Rome in this.

*J. H. [unclear]*  
 3275  
*Major [unclear]*

*SOLICIT.*

FROM: Milan  
TO: Florence

To Major Barry

May 24th 1945

Transportation of conductor will be made as soon as the amount of conductor required is granted.

We inform that work on mine ground is at present only two hours daily.

Col. Parker

3274

Società Elettrica Selt - Valdarno

Dispaccio telefonico  
di servizio

Ufficio

| RICEVUTO il <u>fine</u> ore <u>17</u><br>dall' Ufficio di _____<br>L' Impiegato _____ |                 | TRASMESSO il <u>fine</u> ore _____<br>dall' Ufficio di _____<br>L' Impiegato _____ |                          |              |                                     |
|---------------------------------------------------------------------------------------|-----------------|------------------------------------------------------------------------------------|--------------------------|--------------|-------------------------------------|
| DESTINAZIONE                                                                          | PROVENIENZA     | Numero                                                                             | Data della presentazione |              | Indicazioni eventuali<br>d' Ufficio |
|                                                                                       |                 |                                                                                    | giorno e mese            | ore e minuti |                                     |
| <u>Firenze</u>                                                                        | <u>Valdarno</u> | <u>33</u>                                                                          | <u>14-5</u>              | <u>17-20</u> |                                     |

Maggiore Barry -

il Trasporto del rame  
sarà eseguito offrendo la quantità  
del conduttore necessario sarà consentita  
si informa che il  
lavoro solo due ore al giorno  
fu esecuto di notte

Col. Parker 3273

3513

Commifone  
Allecta

---

Società Elettrica Selt - Valdarno

Dispaccio telefonico  
di servizio

Ufficio

| RICEVUTO il <u>Londrini</u> ore _____              |             | TRASMESSO il _____ ore _____              |                          |              |                                     |
|----------------------------------------------------|-------------|-------------------------------------------|--------------------------|--------------|-------------------------------------|
| dall' Ufficio di <u>Corsini</u> L' impiegato _____ |             | dall' Ufficio di _____ L' impiegato _____ |                          |              |                                     |
| DESTINAZIONE                                       | PROVENIENZA | Numero                                    | Data della presentazione |              | Indicazioni eventuali d' Ufficio    |
|                                                    |             |                                           | giorno e mese            | ore e minuti |                                     |
| Milano                                             | Firenze     | 32                                        | 23/3                     | 162          | <input checked="" type="checkbox"/> |

Teleante allo Barker Ambrasio

Il signor Giuliano Forci Forci  
 è stato disposto per il trasporto del calcolatore  
 per la linea Firenze - Galliano.

Proprio proprio proprio

maggiore Bony

Filo transmission lines

Command  
Allies  
Magg. Barry

785019

Tenente Colonnello Parker Milano-  
Pughiamo farci sapere se è stato  
disposto per il trasporto del condut-  
tore per la linea LIGONCHIO - CAL-  
LICHOVO. Pughiamo rispondere



Maggiore  
Barry

3272

TO COL PARKER  
MILAN.

PLEASE NOTIFY US HAS  
TRANSPORTATION OF CONDUCTOR  
BEEN ARRANGED FOR LINE LIGONCHIO  
CALLICANG. REPLY.

MAJOR BARRY

3271

ADVANCED SECTION  
ELECTRICAL DIVISION  
PUBLIC WORKS & UTILITIES SUB-COMMISSION  
ALLIED COMMISSION  
APO 394

6 Via Corretani, Florence  
Telephone No. 1153  
May 23rd 1945

SUBJECT: Transmission lines.

TO : Lt-Col. Lepper  
Public Works & Utilities Sub-Commission  
Headquarters A.C. APO 394

1. Attached is copy of letter written by Major P.C. Green at the request of Capt. Worster in charge of mine clearance Toscana Region.

2. Confirming conversation to-day, it will be necessary to have two additional jeeps temporarily attached to this headquarter for the use of Major Crowther and Captain Duran to permit them to perform their assigned duties.

3. The transmission lines work now arranged will require the use of three 2 1/2 ton military trucks for a period of one month.

4. After discussing the transportation problem with Ing. Landucci, he stated that his Company is prepared to purchase outright from military sources ten 1 1/2 ton, three 3 ton, four 5 ton, 4 jeeps, one 30 ton trailer and prime mover, one dump truck, one truck crane with orange peel or clam shell bucket.

5. At the completion of transmission lines from Edison to Valdarno systems, it will be necessary to patrol these lines for proper maintenance and for this reason the above weapons carriers will be required.

6. A supply of 10 600 x 16 or jeep size tires are urgently required to maintain present transport.

7. Fuel for flame throwers on mine clearance work is no longer available in this area; if it is possible for Major Price to arrange same with "Centro Chimico Militare" in Rome, transportation to Galliano should be provided.

Copy to Lt-Col. Renton  
Major Price  
File

E.J. 3270  
Major C.M.  
O.I.G.

1 enclosure

HEADQUARTERS  
TOSCANA REGION  
ALLIED MILITARY GOVERNMENT

FILE : R-VIII/PS/10.4

22 May 1945.

SUBJECT : Mine Clearance.

TO : Local Government Sub-Commission,  
Headquarters, A. C. - C.M.F.

1. Today Major CROWTHER of the Electric Division of Allied Commission who is at present in Florence, called at this office to ask assistance for the clearance of mines under the high tension cables, which are being repaired in the northern part of Lucca Province.

2. Zone V have been contacted and agree on the Priority of the work but due to the high grass and weeds it is impossible to lift the mines without first burning off the ground.

3. Flame throwers have been found locally (Italian make) but there is a serious shortage of "fuel" and Major PASQUA has already sent a wire to the Ministry of War for supplies which he says, exist there.

Would you please use your good offices to see that the Ministry of War, do send the necessary supplies without undue delay.

4. Nobody from this office has yet been able to visit the land in question but Major PASQUA who has, says that the only practicable method of burning the grass is by Flame Throwers and that ordinary burning is out of the question.

5. When Major REAKES was last in Toscana Region, he mentioned the possibility of letting V zone have 2 more mine Detectors, these they are very anxious to have. As suitable transport is in such short supply, would Major REAKES be good enough to put these in his car if available when he visits Bologna?

JBF/mpn

3269  
F. G. GREEN  
Major - G. L.,  
Regional Public Safety Officer.

*File of Transmission Report*

TO Major Ramey

May 21st 1945

Meeting in the H.Q. Mine Clearance for the Provinces Pisa - Lucca - Pistoia (Via Bonanno Pisano 6 - Pisa). Officer in charge Maggiore Pasqua.

Were present: Generale Bombagli, Artillery Commander in Toscana, Maggiore Pasqua, Eng. Legnaioli, Eng. Casali.  
*Col. Grimaldi*

Results of the meeting:

Generale Bombagli sent a telegram to Rome to the Italian Ministero della Guerra requesting that oil for flame throwers may be made available as <sup>soon</sup> as possible in the mine clearance HQ in Pisa.

Maggiore Pasqua ordered that two squads with two detectors be at the disposal of Eng. Casali to clear the mines in Galliano. He will send a release order to the Valdarno in Florence to get the flame -throwers.

Maggiore Pasqua informs that in "Palazzo Vecchio" Piazza della Signoria, Florence, is the Toscana Region Mine Clearance H.Q., O.I.C. Capt J.B. Forster.

*X. Contacted* If it is possible to obtain from Capt. Forster <sup>some more</sup> detectors and other means (fluid for flame-throwers) the Italian H.Q. has many workers available, and all this means will be put in the job at Galliano.

*will look into this to help all possible.*

Meeting in Leghorn in the office of R.N. in the Orlando Shipyard. Presents:

It. Dollinger, Eng. in charge of electrical work.

Another It. in charge of mechanical work.

Eng. Legnaioli

Capo Doveri of the Leghorn Steam Plant

It-Dollinger requested to Valdarno a list of work to be done in the plant. The R.N. will do all the works electrical and mechanical and the repairs which it is possible to do, and will provide means material and transportation.

R.N. is not in a condition to put one Lorry <sup>3268</sup> he dispo-

Maggiore Pasqua ordered that two squads with two detectors be at the disposal of Eng. Casali to clear the mines in Galliano. He will send a release order to the Valdarno in Florence to get the flame-throwers.

Maggiore Pasqua informs that in "Palazzo Vecchio" Piazza della Signoria, Florence, is the Toscana Region Mine Clearance H.Q., O.I.C. Capt J.E. Forster.

*V. Contador* If it is possible to obtain from Capt. Forster some more detectors and other means (fluid for flame-throwers) the Italian H.Q. has many workers available, and all this means will be put in the job at Galliano.

*gl.* *will look into this & keep all records.*

Meeting in Leghorn in the office of R.N. in the Orlando Shipyard. Presents:

Lt. Dollinger, Eng. in charge of electrical work.  
Another Lt. in charge of mechanical work.  
Eng. Legnaioli  
Capo Doveri of the Leghorn Steam Plant

Lt-Dollinger requested to Valdarno a list of work to be done in the plant. The R.N. will do all the works electrical and mechanical and the repairs which it is possible to do, and will provide means material and transportation.

R.N. is not in a condition to put one lorry <sup>3268</sup> the disposal of the Valdarno for transportation of workers and materials for building repairs.

In the afternoon I have been with Lt-Dollinger in many Br. Offices to know if it is possible to get transportation for Valdarno.

Results: Transportation is available in the 60 SUB Area, but the H.Q. has not authority to release trucks for civilian work. This H.Q. may receive disposition from Command Post, 2 District, C.M.E. located in Milan.

Lt-Dollinger suggests that A.C. may apply to get the truck in the Milan office.

*Wendy*

May 19th 1945

Transmission lines work in progress.

Tavernuzze - Pontedera 30 KV line - completed from Tavernuzze as far as tower No 130 (Between Empoli and Santa Croce). 4 days are scheduled to complete the work.

Pescia - Pontedera 30 KV line - completed from Pescia as far as Altopescio; work suspended for lack of transportation.

Rifredi - Grizzana 120 KV line - 5 gangs railway workers are working from Rifredi to Grizzana, the line is completed from Rifredi as far as Montepiano.

Piano della Rocca - Galliano 120 KV line - the repairs of this line will be completed next week.

Piano della Rocca - Galliano 60 KV line - one line is completed, work in progress to repair a second circuit at 60 KV.

REHABILITATION OF GENERATING PLANTS.

Lima Plant 3rd group 1750 KVH - all the parts are ready to be assembled, but the turbine is in castelmovo and the case is in Follogica.

2nd group 2400 KVH - the repair of the generator is not yet completed.

Galliano plant - Bridges still under repair. The turbine is completed. As soon as the penstock will be repaired, one 6,000 KVA group will be in service; in a second stage another 6,000 KVA group.

Castelmovo plant - Started the repairs of the repairs of the ~~under~~ <sup>new</sup> pressurization tunnel. Clearing of debris and repairs of buildings commenced.

Corfino plant - 5,000 KW. The plant will be in service as soon as mines will be cleared from the intake. The generator is still under repair.

Sperando plant - The building is completed, the roofing not yet so. The turbine is ready, insulating material is lacking to repair the

3267

Rifredi as far as Montepiano.

Piano della Rocca - Galliano 120 KV line - the repairs of this line will be completed next week.

Piano della Rocca - Galliano 60 KV line - one line is completed, work in progress to repair a second circuit at 60 KV.

#### REHABILITATION OF GENERATING PLANTS.

Lima Plant 3rd group 1750 KVH - all the parts are ready to be assembled, but the turbine is in castelnuovo and the case is in Foligno.

2nd group 2400 KVH - the repair of the generator is not yet completed.

Callicano plant - Bridges still under repair. The turbine is completed. As soon as the penstock will be repaired, one 6,000 KVA group will be in service; in a second stage another 6,000 KVA group.

Castelnuovo Plant - Started the repairs of the repairs of the ~~under~~ <sup>900</sup> penstock tunnel. Clearing of debris and repairs of buildings commenced.

Corfino plant - 5,000 KW. The plant will be in service as soon as mines will be cleared from the intake. The generator is still under repair.

3267

Sperandò plant - The building is completed, the roofing not yet so. The turbine is ready, insulating material is lacking to repair the generator.

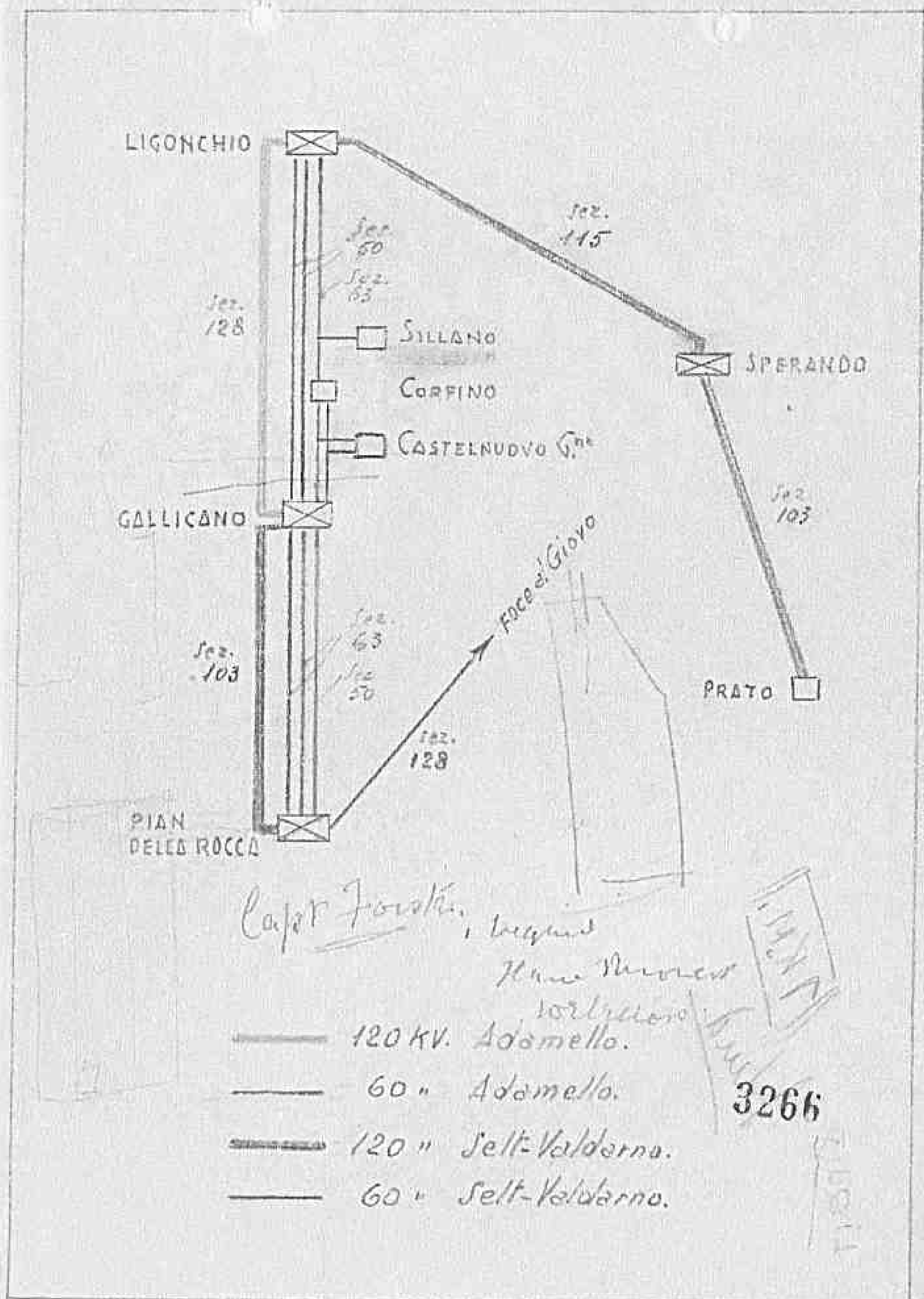
Laterina plant - The group is assembled and will be ready for service next week.

Callicano plant - Clearing of debris in progress. Discharge repaired to send water to Piano della Rocca. Commenced repairs of penstock (3 months work scheduled).

M. Rossetini

*M. Rossetini*

*See A/1*



3266

Eng. Landucci to Lt-Col. Renton

May 15th 1945

Connections with North Italy Grid.

As per attached scheme, 3 lines can be connected with the North.

1) - Via Pian della Rocca - Galliciano - Ligonchio.

|                                     |                       |
|-------------------------------------|-----------------------|
| 1 line with one circuit at 120 KV   | } "Adamello" property |
| 1 line with 2 circuits at 60 KV     |                       |
| 1 line at 60 KV - Valdarno property |                       |

In the first time the Adamello line will be repaired only with one circuit.

With the 120 KV line we carry 30,000 KVH to avoid losses, but it is possible to carry 40,000 KVH?

With the 60 KV line we carry 12/15000 KVH, but it is possible to carry 20,000 KVH

One 60 KV line is normally as reserve

These connections, notwithstanding the difficulties caused by mines, require the easiest job and must have priority.

2) - Via Pian della Rocca - Foce al Giogo.

one line used at 60 KV insulated at 120 KV.

With the 60 KV tension we may carry 12/15000 KVA.

It seems that the Emiliana lines north of Foce al Giogo, which must be connected with this line, are badly damaged.

3) - Via Prato - Sperando - Ligonchio.

120 KV line 100 mm<sup>2</sup>

It is possible to carry 30,000 KVH, but this line is much damaged and requires many months work.

15 o 16 maggio

COLLEGAMENTI CON IL SISTEMA ELETTRICO DELL'ALTA ITALIA

Come risulta dallo schizzo allegato per collegarsi con il sistema del Nord ci sono tre vie:

I.a - Via Pian della Rocca- Galliciano- Ligonchio

Esistono:

1 linea con 1 terna a 120 kV ( di proprietà Adamello)  
1 " " due terne a 60 kV

1 linea a 60 kV di proprietà Valdarno

In un primo tempo la linea a 60 kV dell'Adamello viene riattivata con una sola terna.

Con la linea a 120 kV si <sup>trasportano</sup> ~~possono trasportare~~ fino ad un massimo di 30.000 kV KVA ( ~~carico normale 25.000 KVA~~)

Con ognuna delle linee a 60.000 kV si possono trasportare <sup>12/15</sup> 12.000 KVA ( ~~carico normale 10.000 KVA~~ ).

Una linea a 60.000 kV <sup>12/15</sup> normalmente di riserva

Questi collegamenti, nonostante le difficoltà derivanti dalle mine sono quelli che richiedono minor lavoro e devono avere la precedenza su tutti gli altri.

II.a Via Pian della Rocca- Foce al Giogo

Esiste una linea a 60 kV isolata per 120 kV.

Con la tensione 60 kV si possono trasportare <sup>15/16</sup> 15.000 KVA.

Sembra che <sup>gli impianti</sup> ~~sieno~~ <sup>gravemente</sup> ~~danneggiati~~ le linee dell'Emiliana a monte della Foce al Giogo che devono collegarsi con la linea sopraindicata.

3264

= 2 =

III.a Via Prato- Sperando- Ligonchio

Esiste una linea a 120 kV da 100 mmq. *20*

Si possono trasportare circa *30/36* 000 KVA ma questa  
linea è danneggiatissima e richiede parecchi mesi di lavoro.

3263

translation (ab)

Mine clearing between Galliciano & Castelnuovo Garfagnana.

As from tomorrow Tuesday 15th May 1945, ten men commended by a Lieutenant will reach Galliciano to start the mine lifting.

The 120 KV line will be given first priority, but due to the small number of men and to the scarce means at their disposal, only a lane 5 mt wide 100 mt long may be cleared daily.

Work could be twice as much, namely 200 mt daily, if two flame-throwers could be obtained - with the accessories - and above all the protecting special dress, asbestos suit.

Assurance has been given that as from May 25th the number of specialized workers will be raised to 20. In that case two more flame-throwers will be required to obtain the best result and so have a 400 mt lane made daily.

In neither Pisa nor Lucca provinces is possible to find more specialized workers at present.

A mess and a barack for the workers is being settled at Galliciano in order to help the work and in connection with lack of transport, but ration are needed for the purpose.

Briefly, to clear 400 mt of ground daily the following is required:

- 4 flame-throwers with accessories and the liquid;
- rations for 20 people for at least one month
- one truck

As Italian authorities are not in a condition to supply the above, the assistance of the Allied Army should be necessary, otherwise the work would be completed only in two-three months.

Flame-throwers with the liquid may be supplied by "Centro Chimico Militare" in Rome. Flame-throwers without liquid are available in Florence at the De Micheli workshop.

Translated  
15/5.

E. Landucci

PRO MEMORIABonifica terreno fra Galliciano e Castelnuovo Garfagnana

Da domani martedì 15 Maggio, dieci uomini al comando di un tenente si recheranno a Galliciano per iniziare il lavoro di bonifica.

E' stato stabilito di dare la precedenza alla linea a 120 kV, ma con questo personale, tenuto presente i mezzi limitati a disposizione, si può bonificare al massimo per ogni giorno una striscia di terreno lunga 100 metri e larga 5 metri.

Il lavoro può essere raddoppiato e portato quindi a 200 metri giornalieri se si possono ottenere due lanciafiamme con relative attrezzature e soprattutto la speciale tuta di protezione.

A partire dal 25 Maggio è stato promesso che verrà aumentato il numero degli specialisti fino ad un massimo totale di venti. In questo caso occorrono altri due lanciafiamme per ottenere il massimo rendimento e portare così a quattrocento metri giornalieri ~~la lunghezza di striscia bonificata~~ <sup>di</sup> la lunghezza di striscia bonificata.

Nella provincia di Pisa e Lucca non è possibile, almeno per il momento trovare altro personale specializzato.

Per facilitare il lavoro e per supplire alla deficienza dei trasporti, stiamo attrezzando una mensa ed un dormitorio a Galliciano, ma occorrono i viveri.

Riassumendo per bonificare 400 metri di terreno al giorno occorrono almeno:

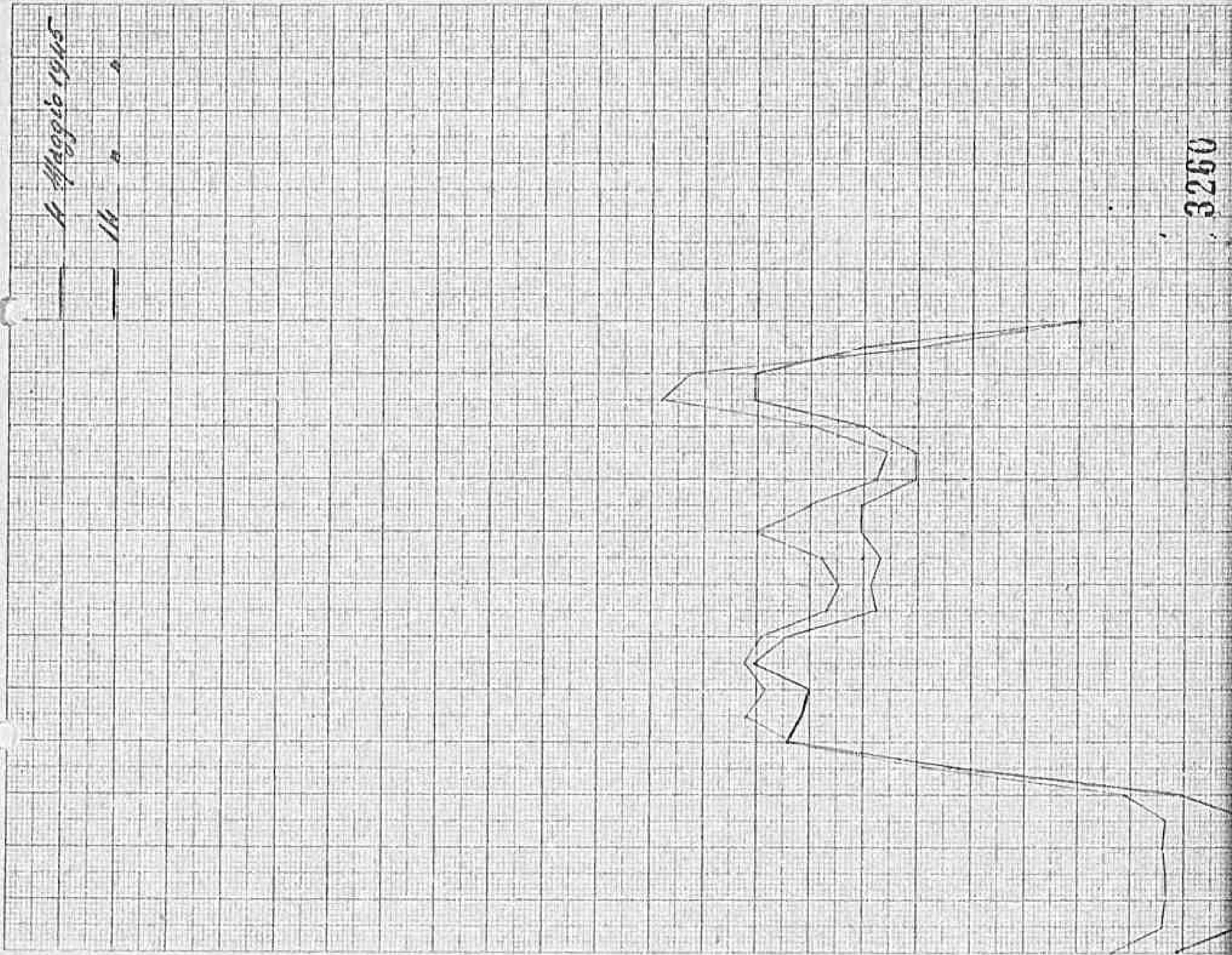
- 4 lanciafiamme con relativi accessori e 3261
- viveri per 20 persone e per un mese almeno 25
- 1 camion

Siccome le Autorità Italiane non sono in grado

di fornire quanto sopra, è indispensabile l'autorevole aiuto degli Alleati, altrimenti i lavori potranno essere portati a termine soltanto fra due-tre mesi.

*Il lavoro deve essere portato a termine entro il 15/5/45. Si deve assicurare la sicurezza dei lavoratori e dei civili. Si deve assicurare la sicurezza dei trasporti.*

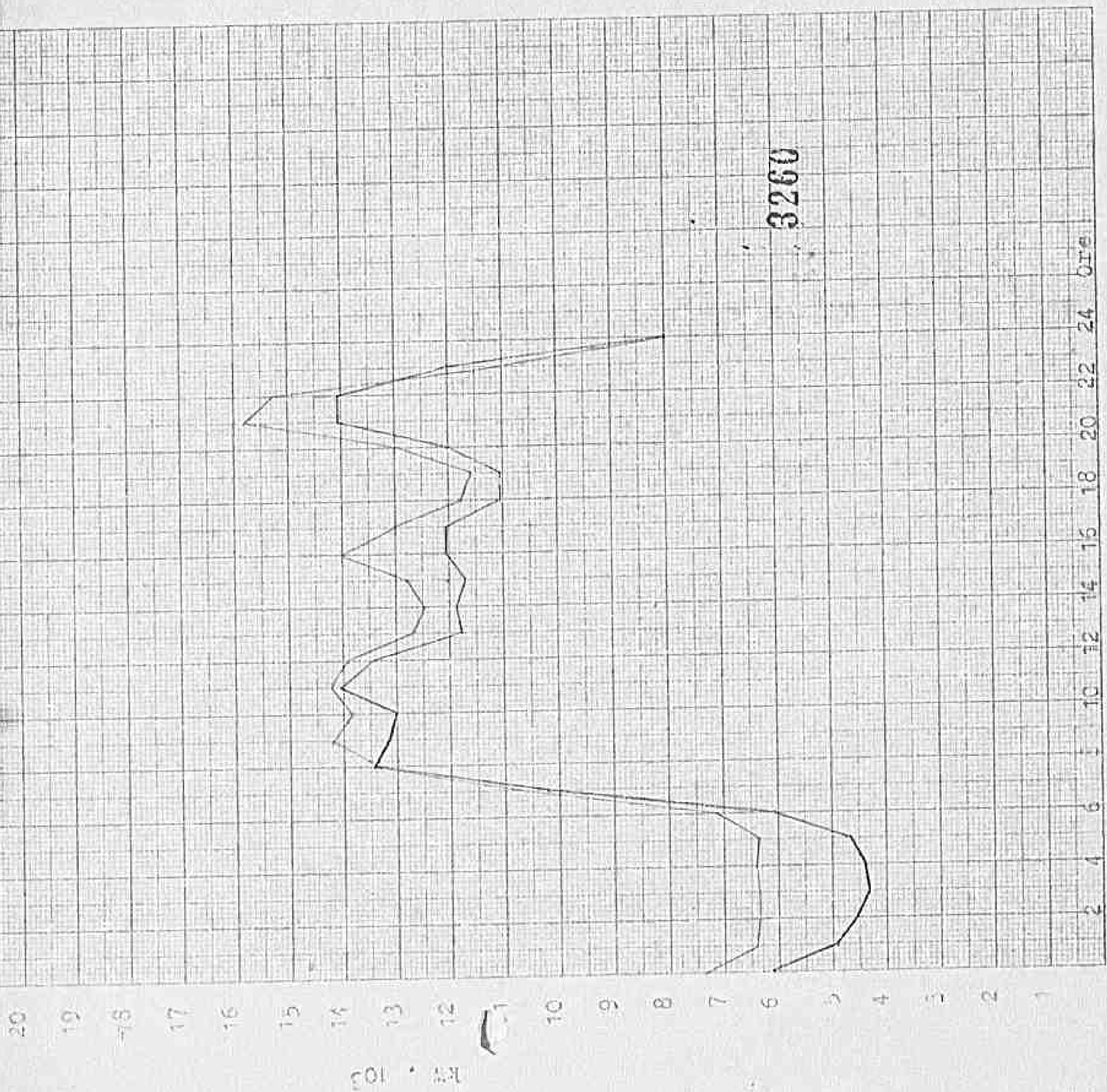
DIAGRAMMA A CASTELLNUOVO



14 Maggio 1945

14

3260



ADVANCED SECTION  
ELECTRICAL DIVISION  
PUBLIC WORKS & UTILITIES SUB-COMMISSION  
ALLIED COMMISSION

May 16th 1945

SUBJECT: Telephone conversation with Major Frank Kubale  
re railway rehabilitation in north.

TO : See distribution.

1. I talked to Major Frank Kubale, in Rome, this morning concerning future plans of the State Railways for rehabilitating transmission lines. He told me:

a) The Ostiglia - Verona line is being repaired under the direction of the State Railways, by civilian workers, in anticipation of railway operation. The line was described as feeding out of Bussolengo station, although this connection is not shown on our map.

b) There are several short repair projects near Genova. They involve supplies feeding out from Genova.

c) There is some possibility of reconstructing a line east and south from La Spezia, although the line would operate at 16.7 cycles and would not be suitable for other than railway power unless a frequency changer is available at the south end of the line. Also he said that the line from La Spezia could be operated by steam if necessary. He said that the Empoli and Cascina substations might be finished and used as a supply means for the Livorno - Florence line.

d) He did not believe that there is any possibility of early electric railroad operation requiring the Bologna - Riccione transmission line. He expressed the belief that the railway representatives in Bologna were anxious to do as much work as possible, and said that he could ask the State Railway to start work on the line. I told him that we wanted to study the situation further before formally asking that the State Railway begin work on the line. Major Kubale mentioned that Ing. Mazzini is the railway engineer in Bologna concerned with transmission lines.

e) A party is now working on the Ponticino - Riccione transmission.

f) He did not believe that work had been started on the Larderello - Cascina line, but was not sure.

Distribution: Major Barry  
Lt-Col. Renton

32598  
Vinal S. RENTON  
Lt-Col. Infantry

ADVANCED SECTION  
ELECTRICAL DIVISION  
PUBLIC WORKS & UTILITIES SUB-COMMISSION  
ALLIED COMMISSION

May 16th 1945

SUBJECT: Telephone conversation with Captain Marshall.

TO : See distribution.

1. I talked to Captain D. Marshall this morning and told him the status of the plans on the supply of power from the north. In return he told me:

a) He talked to Major Mac Kenzie, No. 1 District this morning. Major Mac Kenzie mentioned that he is intended in the POW stockades but did not say anything about electricity supply for the area.

b) Major Mac Kenzie told him that an inspection will be made of the transmission lines running south east from Bologna within the next few days.

c) He is securing reports from German sources showing some locations of mines. He is looking particularly for information covering mines on the Bologna - Rifredi and Castelluccio - Galliciano areas.

d) Another E. & M. platoon has been obtained for work on the Bologna - Rifredi line.

Vincent S. Renton  
Lt-Col. Infantry  
Operat. & Trans. Dept.  
Electrical Division

Distribution: Major Barry  
Lt-Col. Renton

3258

ADVANCED SECTION  
ELECTRICAL DIVISION  
PUBLIC WORKS & UTILITIES SUB-COMMISSION  
ALLIED COMMISSION

May 16th 1945

SUBJECT: Mine clearing of 120 KV transmission line  
Right of way.

TO : See distribution.

1. Ing. Landucci told me this morning that he had heard from Gallicano generating station that grass is so thick on the right of way of the Castelnuovo - Gallicano 120 KV line that it will be impossible to clear the area unless flame-throwers are available.

2. He is expecting a call from Rome today stating whether the flame-throwers are available.

R  
Vinal S. Renton  
Lt-Col. Infantry  
Operat. & Trans. Dept.  
Electrical Division

Distribution: Major Barry —  
Lt-Col. Renton

3257

ADVANCED SECTION  
ELECTRICAL DIVISION  
PUBLIC WORKS & UTILITIES SUB-COMMISSION  
ALLIED COMMISSION

SUBJECT: Conversation with Ing. Prinetti and Ing. Landucci.  
15th May 1945.

TO : See Distribution.

1. Major Barry and I had an informal meeting with Ing. Prinetti and Landucci on the morning of 15 May concerning the supply of power from the north.

2. Before and during the meeting, the following information was brought out:

a) Ing. Landucci had arranged for mine sweeping to be done on the Castelnuovo - Galliciano lines and submitted a report covering the project. The 120 KV line will be cleared first.

b) In this report Ing. Landucci asked if some flame-throwers could be obtained from Italian Military sources to facilitate mine removal. Later Ing. Landucci called a friend in Rome and asked his assistance in procuring them. The friend will fonogram back tomorrow (Wednesday).

c) A telephone line has been laid over the ground between Castelnuovo and Galliciano and it is possible, using this line, to fonogram between the Valdarno System in Florence and the Edison System in Milan. I gave Ing. Landucci an Italian translation of the question list which Col. Parker has taken to Milan, and Ing. Landucci promised to raise these questions with Edison Company by phone.

d) Ing. Prinetti stated that the second 120/30 KV transformer is not expected to be ready for several months. He then pointed out that since the capacity of each 120/30 KV transformer is 20,000 KVA, it will be necessary to continue to secure a supply from the north. He added that this would mean partial operation in the south at 50 cycles.

e) Ing. Prinetti asked the possibility of measuring the frequency of the Central Italy grid during the hours of low load. I told him that the matter might receive serious consideration shortly.

f) I told Ing. Prinetti that if 50 cycles power was available from the North, Florence would operate at that frequency.

g) We asked Valdarno to prepare an estimate of the demand in their area on Italy, assuming 50 cycle service.

*R*  
Vinal S. Renton  
Lt-Col. Infantry  
Operation & Trans. Dep.  
Electrical Division

Distribution: Major Barry  
Lt-Col. Renton

ADVANCED SECTION  
ELECTRICAL DIVISION  
PUBLIC WORKS & UTILITIES SUB-COMMISSION  
ALLIED COMMISSION

May 15th 1945

SUBJECT: Cancellation of Meeting at Parma.  
TO : See Distribution.

1. Because there is now phone communication between the Valdarno and Edison Companies, it will be possible for them to reach an accord on the matter of power interchange without having the meeting in Parma, previously scheduled for 1500 hours Friday 18th May 1945.

2. I therefore sent Lt-Col. Parker a fonogram stating that in my opinion the meeting is not necessary. The fonogram left here about 1700 hours today. Ing. Landucci saw it.

*R*  
Vinal S. Renton  
Lt-Col. Infantry  
Operat. & Trans. Dept.  
Electrical Division

Distribution : Major Barry —  
Lt-Col. Renton.

*phonogram attached*

3254

## FONOGRAM

Lieutenant Colonel George F. Parker (American)  
 in care Director Edison Company, Milano  
 or in care Colonel C.P. Bolick (American) A.M.G. Milano

"The Valdarno and Edison Companies are now in telephone communication with each other, and I believe they can make all necessary arrangements by telephone concerning the transmission of energy to the South.

I therefore do not believe it necessary that we have the meeting in Parma on Friday at 1500 hours.

I expect to remain in Florence until arrangements are complete, probably Saturday.

Lt-Col. Renton  
 Florence

Translation

## FONOGRAMMA

Al Tenente Colonnello George F. PARKER (Americano)  
 a cura del Direttore della EDISON - Milano  
 oppure a cura del Colonnello C.P. Bolick (Americano)  
 A.M.G. Milano

La Società Valdarno e la Soc. Edison sono adesso in comunicazione telefonica ed io ritengo che possano fare per telefono tutto quanto occorre per inviare corrente al Sud.

Pertanto nonritengo necessario avere la progettata riunione a Parma alle ore 15.30 di Venerdì prossimo.

Prevedo di rimanere a Firenze fino a quando non saranno completati piani definitivi, probabilmente fino a Sabato.

Attendo conferma del ricevimento del presente fono.

F.to Colonnello Renton  
 Firenze

3253

ADVANCED SECTION  
ELECTRICAL DIVISION  
PUBLIC WORKS & UTILITIES SUB-COMMISSION  
ALLIED COMMISSION

May 14th 1945

SUBJECT: Trip to Bologna and Parma  
TO : See distribution

1. In order to obtain information concerning the condition of the Edison system, Major Barry and myself accompanied Lt-Col. Parker and Capt. Best to Parma on 14th May 1945.

2. We stopped at Bologna on the way north. We met Ing. Righi (~~spelling assumed~~) of the Bolognese Company, who told us that the supply of electricity to Bologna is satisfactory, but that the additional lines could be repaired if materials and transportation were available.

Col. Parker and myself talked briefly to Lt-Col. Spann who said that he is concerned over the lack of electricity to the Forlì area. I told him that we would discuss the matter in the evening on our way back from Parma. On our return, however, we hurried through Bologna, stopping only long enough to eat and leave a note for Captain Rogers. Included in the note was a statement that I would see him on Saturday to discuss the situation.

3. We found that the three engineers of the Emiliana Co. offices in Parma had gone to Milano, and were expected back on Wednesday or Thursday of this week. They had prepared a report covering the condition of the facilities in this territory, but did not include the lines feeding Ligonchio which are the property of the Edison Company, and which are important in considering possible feed to the South.

4. We took one copy of the report, leaving the other copies, and the transmission line map of which there was only one copy, with Col. Parker and Capt. Best, who went on to Milano. Col. Parker also took a check list of questions, previously prepared, which he planned to ask the Edison Company. He agreed to return to Parma on Friday afternoon for a meeting at 1500 hours to discuss feeding power from the North. He plans to bring with him any representative from the Edison Company who may be necessary in making the arrangements.

Distribution: Major Barry —  
Lt-Col. Renton

Vina 3252 Renton  
Lt-Col. Infantry  
Operat. & Trans. Dep  
Electrical Division

ADVANCED SECTION  
ELECTRICAL DIVISION  
PUBLIC WORKS & UTILITIES SUB-COMMISSION  
ALLIED COMMISSION

6 Via Garretani, Florence  
Telephone No. 1153  
May 12th 1945

SUBJECT: Meeting with Ing. Landucci re supply of power from North.  
TO : See distribution.

1. The first discussion concerning the possibility of obtaining power from the north took place in the Advanced Section Electrical Division Office, at about 9.30 hours, 12th May 1945. Present besides myself were Major Barry, Capt. Best and Ing. Landucci.

2. The following lines were mentioned as possibilities to feed the south:

| <u>Line</u>              | <u>Voltage KV</u>     | <u>Company</u>    | <u>Estimated capacity KVA</u> | <u>Remarks</u>                                                                |
|--------------------------|-----------------------|-------------------|-------------------------------|-------------------------------------------------------------------------------|
| Galliciano-Castelnuovo   | 120                   | Edison            | 40,000                        | Estimated 45 days to clear mines plus 15 days to complete line.               |
| Galliciano-Castelnuovo   | 60                    | Valdarno          | 10,000                        | do.                                                                           |
| Galliciano-Castelnuovo   | 60                    | Edison            |                               | do.                                                                           |
| Pian della Rocca-Farneta | 60<br>(insulated 120) | Valdarno-Emiliana |                               | Believed badly mined; towers believed good. Vald. engineer now visiting site. |

3. Ing. Landucci said that he is going to Lucca tomorrow to make arrangements with the Italian prefect so that mine clearing can start on the Galliciano-Castelnuovo lines. He stated that he did not believe that Major Barry or myself could help in his relations with the Lucca Prefect since he and the Prefect are personal friends, and the Prefect is anxious for the Lucca area to receive the maximum power available.

4. Ing. Landucci indicated that he considered that the Valdarno 60 KV line between Galliciano and Castelnuovo should be

the first one cleared since Sillano and Corfino, two Valdarno plants, could then feed the Valdarno system. It was recommended to Ing. Landucci that the reconstruction of the 120 KV line be given first priority because of the greater carrying capacity.

5. Ing. Landucci expressed the belief that the power furnished from the north could be at 50 cycles. He stated that there is one 120/30 KV - 20,000 KVA transformer at Tevernasse now ready, and that a second would be ready sometime in June. I explained my belief that the first consideration should be feeding Florence and environs from the north, and that the second should be to feed a block of 20,000 KV to the south.

6. Ing. Landucci said that there was an old contract between Valdarno and Edison covering the payment for energy interchanged. He did not know whether it is still valid, but he did not anticipate any difficulty between the two companies in this connection, since relations have been close for a long time.

R  
Vinal S. Renton  
Major Infantry  
Operation & Trans. Dept  
Electrical Division

Distributions:  
Major Barry  
Capt. Marshall, 15 Army Group  
Lt-Col. Renton

3250

Report on Valdarno Lines (northern area) from Eng. Casali  
11th May 1945

(all lines copper, except C.O.N.I.E.L.)

Pian della Rocca - Gallicano

120 KV (Valdarno) 1 circuit 100 mm<sup>2</sup> - complete 15th May  
60 KV (Valdarno) 1 circuit 50 mm<sup>2</sup> - complete 15th May

Gallicano - Corfino - Many mines in the area Gallicano - Castelnuovo. One minelifting gang will start 14th May and estimate it will take them 45 days to clear a lane 10 m x 6 Km for each line. Work is commencing under the Valdarno 60 KV line.

120 KV (Edison) 1 circuit 128 mm<sup>2</sup> (5 towers down) complete  
15 days after mines rem.  
60 KV (Valdarno) 1 " 50 " (5 towers down) complete  
15 days after mines removal  
60 KV (Edison) 1 " 50 mm<sup>2</sup>

Corfino - Ligonchio

120 KV (Edison) 1 circuit 128 mm<sup>2</sup> O.K.  
60 KV (Valdarno) 1 circuit 50 mm<sup>2</sup> O.K.  
60 KV (Edison) 2 circuits 50 mm<sup>2</sup> O.K.

Pian della Rocca - Farneta

60 KV (<sup>120KV</sup>insulated (Valdarno - Emiliana Co.) Valdarno section as far as Monte Giovo has conductors only down. Condition of Emiliana section unknown, except for some damage in minefield at Abetone.

Piano della Rocca - Tavarnuzze

120 KV (Valdarno) 1 circuit 100 mm<sup>2</sup> O.K.

Ligonchio - Tavarnuzze

120 KV (Valdarno) 1 circuit 100 mm<sup>2</sup> 40 towers down  
Piandelagotti - Abetone and 25 towers down Abetone-Prato

Rubiera - Tavarnuzze

230 KV (C.O.N.I.E.L.) 1 circuit 508 mm<sup>2</sup> 25 towers down  
Rubiera - Abetone and 22 towers down Abetone - Tavarnuzze. (about 20 new towers are reported available near Rubiera)

Florence Apr. 28 1945

60 kv transmission line Pign della Rocca to Corfino.

The above connection with ~~A~~ 60 kv line will be given probably on or about May 20 to 25 if the Valdarno is helped with: a) clearing of the mines, b) food for the worksmen, c) transportations (1 lorry 2 tonns. required).

One 60 kv line Pign della Rocca to Gallicano and Gallicano to Corfino repairs require: a) the replacement of six towers destroyed b) the replacement of approx. 90% of the wires.

The materials are available as the other transmission lines in the same area are supposed to be cannibalized.

The works are foreseen to start with 5 crews of 12 men each. But until the Coy. does not receive the help required the works are driven very slowly with a reduced crew.

60 kv transmission line to Sillano.

Not yet inspected.

Telephonique lines to Corfino & Sillano.

No program is given as the repairs have not yet been approved. The Lucca C.I.C. must probably be interested.

Er/

3248

One 60 kv line Pign della Rocca to Galliano and Galliano to Corfino repairs require: a) the replacement of six towers destroyed b) the replacement of approx. 90% of the wires.

The materials are available as the other transmission lines in the same area are supposed to be cannibalized.

The works are foreseen to start with 5 crews of 12 men each. But until the Coy. does not receive the help required the works are driven very slowly with a reduced crew.

60 kv transmission line to Sillano.

Not yet inspected.

Telephonique lines to Corfino & Sillano.

No program is given as the repairs have not yet been approved.

The Lucca C.I.C. must probably be interested.

Er/

3248

Included in  
report of 27-4-45  
J.L.

07145

TO: Major Crowther

April 28th 1945

Progress of work in the transmission lines:

- 120 KV line Tavarnuzze - Chiusi - work suspended for lack of transportation
- 60 KV line Castelnuovo - Chiusi - work suspended for lack of transportation
- 30 KV line Tavarnuzze - Empoli - completed
- 30 KV line Empoli - Santa Croce - repaired as far as tower n° 102
- 30 KV line Santa Croce - San Romano - completed
- 30 KV line Pescia - Pontedera - ✓ work suspended for lack of transportation
- 30 KV line Livorno - Pontedera - ✓ will be completed by 10th May.
- 120 KV line Rifredi - Grizzana - section Rifredi - Vaiano completed  
section Vaiano - Grizzana will be completed by 15th May.

No information about the condition of the line between Grizzana and BOLOGNA. Lt. Cooper informs that near Grizzana 4 towers are on the ground.

Report submitted by Eng. Mocenni to Col. Cooley:

60 KV line Piano della Rocca - Galliciano:

- 3 towers on the ground
- 90% conductors broken

60 KV line Galliciano - Castelnuovo - Corfino:

- 3 towers on the ground
- 90% conductors broken

These 2 lines have double circuit but only one will be repaired. These lines may be repaired with Selt-Valdarno workers, and with Army help by the 20th May. The following assistance is needed:

- 1) clearing of mines
- 2) food supplies for workers (60 men)
- 3) one 2 tons truck available in Piano della Rocca

Eng. Casali has been informed that Ligonchio is not damaged. The 120 KV line Ligonchio - Firenze (200 Km.) in the section Fiumalbo - Pian dei Lagotti (15 Km.) is much damaged; 40 towers are on the ground.

3247

Mario Rossettini

Includa in report of 7/4/45

- 45

*File*  
April 5th 1945

To Major Crowther.

60 KV line VAIONI - VERGATO two circuits.

Railway Office in Florence has no information. This line is near the front and railway workers are not allowed to operate.

220 KV line N.W. to SPERANDO.

The only information available in Florence is that between RIFREDI and MAMMIANO (about 2 Km. south of Sperando) the situation is as follows:

- n° 32 steel towers damaged
- in 108 spans the single conductor is missing
- " 53 spans the wire is damaged
- " 50 spans the guard wire is missing
- " 8 spans the guard wire is damaged

If the line must be repaired Selt-Valdarno Co. needs:

iron  
conductors  
calcium carbide  
transportation  
3 months work

This 220 KV line is "C.O.N.I.E.L." property and Selt-Valdarno is responsible from Tavarnuzze to ABETONE, 17 Km north of Sperando.

*Wendy*

File  
FebSOCIETA' ELETTRICA SELT-VALDARNOTranslation

M.E.

Works underway on the H.T. lines -

1. Rehabilitation 30 KV line Turchi bricks furnace - Pontedera Km 18  
15 workmen - works supposed to be completed by April 20th.
2. 30 KV Tavarnuzze to Empoli " 23  
14 workers from Tavarnuzze  
14 " " Empoli  
Completion date May 15th
3. 30 KV Empoli - Santa Croce " 16  
10 workers  
Completion date May 15th
4. 30 KV Santa Croce - San Romano - Pontedera " 14  
10 workers  
Completion date May 15th
5. 30 KV Peretola - Prato (final arrangement) " 14  
12 workers near Prato  
12 " " Sesto  
3 wires (in oper) foreseen to be completed by March 31st  
2 wires by April 20th
6. 120 KV Tavarnuzze - Chiusi (in oper) final arrangement " 106  
15 workers (15 Km. from Tavarnuzze)  
Completion date May 30th
7. 60 KV Castelnuovo - Chiusi (in op.) final arrangement " 78  
12 workers near Castelnuovo  
Completion date May 30th

Works Manager : Eng. Giuseppe CASALI

Chief: Busoni Giuseppe - works n. 1 - 4 - 5  
 Ressei Franz " " 2 - 6  
 Galligani Guido " " 6 - 7  
 Ranaldi Gastone " " 3  
 Papini Gastone - materials supply and recovery

3245

Z.N.S.

## SOCIETA' ELETTRICA SELT- VALDARNO

## Direzione Esercizio - Servizio Linee A. T.

(14) T/2  
24 March  
45Lavori attualmente in corso sulle linee ad alta tensione

- 1° - Ripristino linea 30 Kv. Fornace Turchi-Pontedera km. 18,-  
Vi lavora una squadra di n. 15 operai  
Si prevede ultimare per il 20 Aprile.p.v.
- 2° - Ripristino linea 30 Kv. Tavarnuzze - Empoli km. 23,-  
Vi lavorano due squadre di n. 14 operai ciascuna  
una da Tavarnuzze ed una da Empoli.  
Si prevede ultimare per il 15 Maggio p.v.
- 3° - Ripristino linea a 30 Kv. Empoli - S.Croce km. 16,-  
Vi lavora una squadra di n. 10 operai da Empoli  
Si prevede ultimare per il 15 Maggio p.v.
- 4° - Ripristino linea 30 Kv. S.Croce-S.Romano-Pontedera Km. 14,-  
Vi lavora una squadra di n. 10 operai da S.Croce  
Si prevede ultimare per il 15 Maggio p.v.
- 5° - Sistemazione definitiva della linea 30 Kv. Peretola-Prato Km. 14,-  
Vi lavorano due squadre di n. 12 operai ciascuna  
una presso Prato e una presso Sesto.  
Si prevede ultimare la sistemazione della terna  
già in servizio per il 31 Marzo c., il ripristino della  
2^ terna per il 20 Aprile.
- 6° - Sistemazione definitiva della linea già in servizio Km. 106,-  
120 Kv. Tavarnuzze-Chiusi  
Vi lavora una squadra di n. 15 operai attualmente  
a 15 km. da Tavarnuzze.  
Si prevede ultimare per il 30 Maggio p.v.
- 7° - Sistemazione definitiva della linea già in servizio 78,-  
60 Kv. Castelnuovo-Chiusi  
Vi lavora una squadra di n. 12 operai presso Castel-  
nuovo.  
Si prevede ultimare per il 30 Maggio p.v.

Tecnici addetti ai lavori - CASALI Ing. Giuseppe CAPO SERVIZIO

|         |                 |                 |                                                     |                 |
|---------|-----------------|-----------------|-----------------------------------------------------|-----------------|
| C.Tecn. | Busoni Giuseppe | -               | lavori di cui ai n.                                 | 1 - 4 - 5       |
| "       | "               | Ressel Franz    | -                                                   | " " " " " 2 - 6 |
| "       | "               | Galligani Guido | -                                                   | " " " " " 6 - 7 |
| Tecn.   | Ranaldi Gastone | -               | " " " " " 3                                         |                 |
| "       | Papini Gastone  | -               | addetto ai recuperi e approvvigionamento materiali. |                 |

Firenze 24 Marzo 1945

VSE/lam

MEMO FOR FILE

27 Feb. 1945

Subject: Transmission Lines,  
North - Central Italy.

1. In a telephone conversation with Major Frank Kubale today, the following was discussed:

a. Operation Date 150/120 KV Orte Substation.

Ing. Albertazzi of the State Railways has questioned the advisability of early availability of the Orte Substation, citing his understanding that Florence will not be ready for 120 KV before the end of April. I asked Major Kubale to have one set of transformer the Orte substation ready by 15 March if possible, based upon the following considerations:

- 1) The first 150 KV transformer at Calldo is scheduled for operation on 15 March.
- 2) The first 120 KV transformer at Florence is scheduled, to be ready on 1 March according to Major Barry. However, oil will have to be put into the transformer after that date 15 March therefore seems like the earliest date that it can be expected.
- 3) The interest of the railways to have a 120 KV supply as soon as possible. Major Kubale stated that he is not anxious for power at this voltage; he is satisfied with a 60 KV supply.

b. Rehabilitation of the Larderello-Ponticino 120 KV line. Major Kubale stated that a contract is being let for this work. He will give me additional information on this line as soon as possible.

c. Rehabilitation of the Ponticino-Riccione 120 KV line. Major Kubale reported that military personnel on this line has ceased. I told him my opinion is that no immediate need exists for this line; that once Riccione is reached, there is still a big reconstruction job, either south to Falconara or north to Bologna.

- 2 -

It is my feeling that our best supply to Falconara will be the railroad lines from Genga, one of which is now under repair. The Genga-Falconara line is being rebuilt solely in our interests according to Maj. Kubale; he does not expect to supply power to the railroad at Falconara. The first supply to Bologna will be from Florence, and will be discussed later.

- d. Rehabilitation of the Riccione frequency changer. Major Kubale said that so far, no work has been done on the Riccione 42/50 cycle frequency changer. In consideration of our present policy of a standard frequency of 45 cycles. I told him that I can see no immediate need for this machine, and we agreed that there would be no work done on this unit.
- e. The Riferdi - Bologna Line. Work on this line by the military will stop, according to Major Kubale. He said that work is still going on however. He is endeavoring to learn more about the condition of the line, and the extent of the repair necessary, and will notify me immediately of his findings. He has asked Major Rooksby, Office of D.W. AFHQ for information and is awaiting a reply.
- f. The Larderello Management Situation. I told Major Kubale that Major Bell had reported the scheduled conference between opposing factions at Larderello. I briefly described the background of the case as I know it, told him that I was merely passing the story to him for information. -

Distribution  
Col. Lapper  
Major Barry  
Major Bell  
Major Price  
Major Renton  
Capt. Vannoy  
W.O. Weaver

3242

