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

ACC 158/PWU

10000/150/462
(VOL. II)

ELECTR
OCT. 19

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

10000/150/462
(VOL. II)

ELECTRICITY, CENTRAL ITALY
OCT. 1944 – JAN. 1945

158/PWU

ELECTRICITY - CENTRAL ITALY

158/PWU ELECTRICITY - CENTRAL ITALY Volume 1

OPENED Nov 7 '44

CLOSED JAN. 25 '945

VOL II

Declassified E.O. 12356 Section 3.3/NND No. 780019

OPENED NOV 7 '44

CLOSED JAN. 25 '945

VOL II

1000 / 150 / 462

THIS FOLDER
CONTAINS PAPERS
FROM OCT 1 44
TO JAN 1 45
CATALOGUE -

158

Declassified E.O. 12356 Section 3.3/NND No. 748019

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

Tel.489081

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

EWL/ao

Reference : 158/PWU
Subject : Electricity Control - Central Italy

18 Jan. 45

To : DIRECTORATE OF ENGINEER PRODUCTION & STORES, AFHQ

1) - Reference your letter 15 Jan. 45 DEPS/4322.

2) - As requested we are forwarding six copies of our letter 158/PWU of 8th Jan. 45.

W.M.LAPPER
Lt-Colonel
Chief Elec. Div.

6 enclosures

500

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

Tel. 489081

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

WEL/ao

13

Reference : 158/PWU
Subject : Electricity Control Central Italy

17 Jan. 45

To : C.E. DISTRICT N° 1

1) - Reference your letter C.E. 3034 12 Jan. 45 dealing with the output from the generating stations in Central Italy.

2) - It is important to note that as already stated in our letter 158/PWU dated 8th Jan. 45 all stations will shortly be interconnected and operated under a Central Control.

3) - It has been necessary to develope an operation programme for the month of February and every precaution has been taken to cover such emergencies as the outage of the largest unit on the system.

4) - Maj. Rivett is being asked by telephone to-day to attend at this office for a meeting to discuss the general operation programme and the matter you raise in connection with procedure to be adopted in emergency.

5) - Col. Snow of the Chief Engineer Office A.F.H.Q. will be present at the meeting together with the other interested services. The meeting will be held at 1500 hours on Sunday 21st January 45 8th Floor - Room 16 A.C. Headquarters.

see Volo 86

W.M. LAPPER
Lt-Colonel

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

Tel. 48308
Ext 317

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

FILE

PWU/ac

12

Reference : 136/PWU
Subject : Conservation of Electric Power 15 Jan. 45
To : REGIONAL COMMISSIONER SOUTHERN REGION
(Attn Sup. Engineer) LAZIO-UMBRIA REGION
TOSCANA REGION
MARCHE-ABRUZZI-MOLISE REGION
EMILIA REGION
LIGURIA REGION
PIEMONTE REGION
LOMBARDIA REGION
VENEZIA REGION

1) - Attached General Order for your information and distribution.

By command of Rear Admiral STONE.

578

R.H.LAPTHR
Lt-Colonel
Chief Elec. Div.

cc : File 051
cc : File 040

1 enclosure

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

RECEIVED 168
P.W. & U. S/C[illegible].C.
- 4 JAN 10-10

HEADQUARTERS

HEADQUARTERS
AM3/AC
ARMY-AIR FORCES REGION
S.E.A.F.

TO : HQ.AC.P.W. and U. Sub_Commission.
(Attn of Capt. Loughlin).

SUBJECT: Control of the use of electricity: Civilian Consumers.

REF : AS/516/2/4.

DATE : 3 Janv. 1945

I enclose copy of my letter on the above subject dated 13 Dec. 44 as I understand the original has been mislaid.

Also enclosed are copies of the draft Order and covering letter sent to P.C.s of the four provinces in this Region under A.C, whose comments have not yet been received.

FOR THE REGIONAL ENGINEER

J.E. Poole
Major.

5044

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

HEADQUARTERS
AMG/AU
ABRUZZI-MARCHE REGION
C. M. F.

TO : HQ.AC.P.W.and U. Sub_Commission.
(Atten Lt. Col. Lapper).

SUBJECT : 'Control of the use of electricity. Civilian Consumers.

REF : R5/516/2/4.
3.12.44.

There are ample indications that if civilians consumers are to receive maximum benefit and an equitable distribution of the available supply of electricity is to be made, a system of control which can be enforced must be introduced.

To this end we are proceeding immediately to prepare Provincial Orders based on the AFHQ Instruction of 31 Oct 44 ref. AG 675/171 GDS_O.

Enforcement of these orders will present no difficulties_ other than those imposed by lack of enforcement personnel_ in our four northern provinces under A.M.G. but we shall be glad to have your views as to the extent to which we can compel Prefects of provinces handed back to the Italian Government , to publish similar orders. This applies to our four southern provinces.

At present we are regarding the production, distribution and consumption of electric energy as a matter strictly under military control and outside the realms of civil administration, our function being to exercise this control on behalf of the military authority in so far as the civilians population is concerned. On this premise we have so far denied Prefects of A. C. Provinces any say in how electricity shall be used or by whom. However the absence of a Prefect's order is a handicap we would like to have removed hence our request for your views on

576

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

our standing.

For the Regional Commissioner :

C.A.L. (JEF)

C. A. LATIMER
Lt. Col. C. E.
Regional Engineer

JEF/daf

Copy to : R. I. O.

ALLIED MILITARY GOVERNMENT

_____PROVINCE

PROVINCIAL ORDER No._____

RESTRICTIONS ON THE ELECTRIC LIGHTING AND POWER

Whereas owing to the critical shortage of electric utility services existing throughout liberated Italy the Commander in Chief of the Allied Forces has deemed it proper to issue certain regulation to which it is necessary to give effect in order to conserve the limited supply of electric power available for civilian requirements.

Now therefore I_____ Provincial Commissioner of the Province of_____by virtue of the powers vested in me HEREBY ORDER as follows:-

ARTICLE I

DEFINITION

The word 'premises' wherever used throughout this order shall mean and include any premises used for public or private purposes or any part thereof.

This article is not included in AFHQ directive.

ARTICLE II

LIGHTING

1. Wattage of lamps used in offices will be limited to minimum requirements and fixtures will be located for most economical utilization of light source.

2. Electric lamps used in halls, corridors and stairways in any premises will be of the smallest wattage consistent with safety and a minimum number thereof will be illuminated.

574

3. In dwellinghouses hotels and private living quarters not more than two

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

necessary to give effect in order to conserve the limited supply of electric power available for civilian requirements.

Now therefore I,_____ Provincial Commissioner of the Province of_____by virtue of the powers vested in me HEREBY ORDER as follows:-

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This article is not included in AIMD statement.

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2. Electric lamps used in halls, corridors and stairways in any premises will be of the smallest wattage consistent with safety and a minimum number thereof will be illuminated.

574

3. In dwellinghouses hotels and private living quarters not more than two electric lamps per private living room and one bathroom and/or lavatory will be connected. Not more than one lamp per private living room will be illuminated at one time. Lamp bulbs used in private living rooms and bathrooms and/or lavatories will not exceed 60 watts rating.

4. In all premises including those hereinbefore in this order specified

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

use of wattage will be reduced to the minimum having regard to the area to be illuminated and the use to which the premises are put. In respect of the particular types of premises specified in the Schedule hereto it is forbidden to exceed the wattage per square foot applicable to each as set out in said Schedule.

3a. The use of electric signs for advertising or display purposes is forbidden.

5a. No electric lights will be turned on during the hours of daylight in any premises except in premises or parts thereof where artificial lighting is essential for proper living or working conditions. No electric lamp will be allowed to burn when its use is not required and except in domestic premises notices to this effect will be conspicuously displayed.

7a. Streets and other outdoor areas will be lighted only in accordance with necessity.

ARTICLE III

POWER

1a. Use of electric power including electric heating is forbidden in all premises except (a) industrial plants engaged in production directly connected with the War effort or essential to the civilian economy and (b) installations necessary to safeguard public health.

2a. Elevators will be operated by electric power only for the movement of hospital patients.

4 3a. Use of electric apparatus for cooking is forbidden in all premises.

4a. No electric motors will be allowed to idle longer than is necessary.

ARTICLE IV

FUEL

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

forbidden.

6. No electric lights will be turned on during the hours of daylight in any premises except in premises or parts thereof where artificial lighting is essential for proper living or working conditions. No electric lamp will be allowed to burn when its use is not required and except in domestic premises notices to this effect will be conspicuously displayed.

7. Streets and other outdoor areas will be lighted only in accordance with necessity.

ARTICLE III

POWER

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2. Elevators will be operated by electric power only for the movement of hospital patients.

3. Use of electric apparatus for cooking is forbidden in all premises.

4. No electric motors will be allowed to idle longer than is necessary.

ARTICLE IV

PERMITS

1. Lighting

(a) Electric lighting will not from and after the_____day of_____ commence or continue to be used in factories mills, workshop utility plants and industrial establishments (but excluding shops and offices) or in Theatres, cinemas, dance halls, and other places of public entertainment without a written permit issued to the undertaking concerned by or under the authority

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

of ANB. Applications for such permits will be made to the local office of the Electricity Supply undertaking responsible for supplying the premises concerned upon forms which may be obtained from such local offices.

(b) Permits to commence or continue to use Electric Lighting are not required in respect of any premises not specified in the immediately preceding paragraph of this Article.

2. Power

Electric power including electric power for heating purposes will not from and after the_____day of_____commence or continue to be used by the undertakings entitled to use same in accordance with Article III hereof without a written permit issued to the undertaking concerned by or under the authority of ANB. Applications for such permits will be made in accordance with paragraph 1 (a) of this Article.

ARTICLE V

RESPONSIBILITY FOR CONTRAVENTIONS

AFHQ statement requires Civilian authorities to enforce these measures

The occupant or the person or persons having control of any premises may be held responsible for any breach of the provisions of this order as well as any person directly responsible for such breach.

PENALTY

Anyone violating the provisions of this order shall on conviction by an Allied Military Court be liable to imprisonment or fine or both as the Court shall determine.

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

from and after the_____day of_____ceases or continue to be used by the undertakings entitled to use same in accordance with Article XII hereof without a written permit issued to the undertaking concerned by or under the authority of AMG. Applications for such permits will be made in accordance with paragraph 1 (a) of this Article.

ARTICLE X

RESPONSIBILITY FOR CONTRAVENTIONS

The occupant or the person or persons having control of any premises may be held responsible for any breach of the provisions of this order as well as any person directly responsible for such breach.

PENALTY

Anyone violating the provisions of this order shall on convictions by an Allied Military Court be liable to imprisonment or fine or both as the Court shall determine.

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

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

RECEIVED
P.W. & U. S/C A.C
17 JAN 1945 158

Subject: Electricity Control - Central Italy.

DIRECTORATE OF ENGINEER PRODUCTION & STORES, A.F.H.Q.

Tel: FORMAL 7

DEPS/4322

15 JAN 45

HQ Allied Commission,
Public Works & Utilities Sub Comm.
APO 394.

May 6 further copies of your letter 158/PWU of 8 JAN 45 please be forwarded to this office.

A. H. CLENDINNING,
Lt. Col. R.E.,
for Brigadier,
D. E. P. & S.

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

Pa & W 36

C.E. No 1 District.
(166 C.E. Works).
CE 3034.
12 Jan 45.

77

Hq.
A.C.

P. & J. 3, G.H.Q.
15 JAN 1945 158

Subject:- Electricity Control - Central Italy.

Reference your 158/PWU dated 8 Jan 45, para 1, in regard to emergency circuits.

All outgoing main circuits have loads of Military importance connected to them, and more information is required before the emergency circuits can be nominated.

After the 20th Jan the situation will be, that there are in parallel at TERNI

(a) GALLETO capacity 35,000 KW.
(b) CERVARA plus small stations capacity 6,000 KW.

failure of the largest set in the CERVARA group should cause no trouble as it will only affect 2/5 of the whole, but in the event of a failure of GALLETO No.1 set, it is necessary to know what assistance could be provided from ROME.

In regard to assistance required from GALLETO in an emergency, I suggest that such assistance be limited to 10,000 KW. and that this be made available by

(a) limiting the normal loading of the set to 30,000 KW.
(b) cutting the supply allocated to FLORENCE from VILLE VALLE, leaving them the supply from NERA MONTERO as at present.

R to C Report book
How does this affect gen plan
Ltr 16/1

WR/FJC.

HEADQRS 15 JAN 1945 A. C.

570

W. Quick major RE
for Brig.
C.E.

93 wires

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

Tel. 489.681 Ext.317

WHI/ms

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

85

File : 158/PWU 16 January 45

Subject: Electricity Supply.

To : Regional Commissioner Toscana Region
Att. Regional Engineer.

82

1. References the copy letter 10 Jan. 45, from Selt Valdarno addressed to Major Crowther in which they request that more electricity be made available for the Selt Valdarno Area.

2. It is as well that you make it clear to the electrical Company that all local Resources (and this includes electricity) are allocated by the Allied Force Local Resources Board (Italy). A Sub-Committee known as the Electrical Power Committee deals with the allocation of Electricity to the various services.

3. It is true that the Electrical Power Committee allocated 15,000 KW to the Florence Area to come into effect when additional Generating plants becomes available, but these arrangements may be totally changed in view of the interconnection arrangements now being made between the operating Companies.

4. In our opinion Florence is getting quite a good share of the available electricity which as you know is an extremely short supply and only available for work of the highest importance. The Company should be informed that they cannot expect to get much improvement in the supply to their area for some months.

W.M. LAITER
Lieut-Colonel
Chief Electrical Div.

569

Tel. 489.081

LWL/ms

84

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

Reference : 158/PWU 15 January 45

Subject : Control of the use of electricity
Civilian Consumers.

To : Regional Commissioner Marche - Abruzzi Region
Att. Regional Engineer.

1. Ref. R/S/516/2/4 letters 13 Dec. 45 and 3 Jan. 45.

2. This sub-commission is in accord with your plan but suggest that the legal questions be cleared with the Regional Legal Officer.

W.M. LAEPER
Lieut-Colonel
Chief Electrical Div.

568

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

Tel.48pc28:

FILE

EMC/ec

83

MEMORANDUM

Reference : 152/210 13 Jan. 45
Subject : Conservation of Electric Power
From : P. W. & D. S/C

To : Agriculture S/C, AC
Air Force S/C, AC
Army S/C, AC
Commerce S/C, AC
Communications S/C, AC
Displaced Persons & Repatriation S/C, AC
Economic Section
Education S/C, AC
Finance S/C, AC
Food S/C, AC
Industry S/C, AC
Labor S/C, AC
Legal S/C, AC
Local Government S/C, AC
Navy S/C, AC
Public Health S/C, AC
Public Safety S/C, AC
Shipping S/C, AC
Transportation S/C, AC

1) - Attached General Order for your information and distribution.

Wm. Tapp.
W.M.TAPP
Lt-Colonel
Chief Rec.Div.

cc : File 051
cc : File 000

567

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

To : Agriculture S/C, AC
Air Force S/C, AC
Army S/C, AC
Commerce S/C, AC
Communications S/C, AC
Displaced Persons & Repatriation S/C, AC
Economic Section
Education S/C, AC
Finance S/C, AC
Food S/C, AC
Industry S/C, AC
Labor S/C, AC
Legal S/C, AC
Local Government S/C, AC
Navy S/C, AC
Public Health S/C, AC
Public Safety S/C, AC
Shipping S/C, AC
Transportation S/C, AC

1) - Attached General Order for your information and distribution.

Wm. Lafferty

W.B. Lafferty
Lt-Colonel
Chief Elec.Div.

cc : File 051
cc : File 060

1 enclosure

567

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

RECEIVED
OWI
14 JAN 1945 158

Società Elettrica Selt Valdarno

82

Florence 10th January 1945

TO : Major Crowther
Electrical Officer
Regions VIII

Our Director Eng. Larducci was in Rome last Sunday, and spoke to Col. Lapper about the energy which "Terni" is due to supply shortly to our Company.

Our Director has received the impression that only a small amount of this energy shall be allocated to our Company, and this fact worries us seriously.

Electric position in Tuscany, as you know, is very bad : in the city of Florence, 60 substations are detached, but, in spite of this, voltage and frequency are very low (100 Volts instead of normal 160, 44 cycles instead of 50), so that operation is in many cases impossible.

In the remainder of Tuscany, there is practically no electric energy at all : Leghorn gets a small amount from Larderello and Pian delle Rocce: Siena gets only 400 KW instead of normal 9000 KW. The industrial town of Prato gets less than 400 KW instead of normal 15,000 KW. Lucca, Pisa, Pistoia etc are about in the same position.

Concluding our Company had a normal need of 180,000 ÷ 200,000 KW, and is now reduced to 10,000 KW available, 5 % of normal.

The problem of unemployment is very serious : in industrial town like Prato, thousands of people are unemployed, for lack of electric power necessary to operate engines.

We are informed that for the city of Rome more than 50,000 KW are available, which can meet all the principal necessities.

We have understood that the energy coming from Terni shall be partly allocated to Rome, at Tuscany's detriment.

We beg your kindness to point out to Rome our situation, keeping in mind that in the last months our Company has repaired many transmission lines and substations, so that we are ready to receive from Terni 12,000 KW to day, and 18,000 KW in the first days of February.

566

Confiding in your help, we remain

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

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In the remainder of Tuscany, there is practically no electric energy at all : Leghorn gets a small amount from Larderello and Pisa dells Rocca: Siena gets only 400 KW instead of normal 5000 KW. The industrial town of Prato gets less than 400 KW instead of normal 15.000 KW. Lucca, Pisa, Pistoia etc are about in the same position.

Concluding our Company had a normal need of 180.000 ÷ 200.000 KW, and is now reduced to 10.000 KW available, 5 % of normal.

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8000.

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566

Confiding in your help, we remain

Do. Lt-Col. Knapp.

10/1/45.

This has just arrived I hasten to send you this copy. The disappointment in the Industrial area will be Enormous (continued)

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

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

RECEIVED
W. & U. S/C A.C.
15 JAN 1945 158

81

Subject:- Rehabilitation of Anversa (Saggittario) Power Station.

Military Railway Service
C.M.F.
Tele: Firebox 84.
Tm.A.3.(E)/1/14-9A.
13 January 1945.

To:- Public Works and Utilities
Headquarters Allied Commission
APO 394.

Reference your letter 158/PWU of 2 January 1945.

It is confirmed that the details outlined in your letter are being worked upon.

for Brigadier,
Director, Military Railway Service.

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

file 158 80

AFHQ INFOAT TO 15 AIR GROUP INFOAT TO TENTH INFOAT TO DISTORE CHIEF
INFO INFOR INFOAT TO 52 CRE WORKS INFOAT TO REGIONAL COMMUNICATIONS LALIO VICENZA
REGION

9501 1014Z SECRET

RESTRICTED

PARA ONE FM REFERENCE ONE SIX SIX CHIEF ENGINEER WORKS LETTER FILE
NUMBER THREE ZERO THREE FOUR CHLIQUE ONE DATED THIRTY DECEMBER FM
PARIS FM AFHQ WEL ALLIED LEGAL LIAISON SECTION FM METTEN ARMY GROUP
FOR DIRECTOR OF WORKS AFO SIXTEEN FM PARIS FM PARIS CHIEF ENGINEER
FOR CHIEF SIX SIX CHIEF ENGINEER FM PARIS TO COMMANDING ROYAL ENGINEER WORKS FM
REGIONAL COMMUNICATIONS LALIO VICENZA INFO M FOR REGIONAL ENGINEER WORK FM ALGER
FOR LAWYER ALGIERS CHIEF OTHA NINE FIVE NINE SIX PARIS

PARA TWO FM LOW VOLTAGE CONDITIONS AT TENTH ARMY WILL OVERCOME VOLTAGE DUE
TWO FIVE NINE ZERO ZERO

564

PUBLIC RECORDS
634

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

Col Lapham

158

Pitch

Headquarter Allied Commission

Public Works and Utilities Sub - Commission

79

NOTICE

1 - By virtue of the authority vested in me as Officer in charge of electrical rehabilitation for the Società Lerderollo, I here by appoint Engineer Enea Virgili as the sole Director of the electrical Division of the above Società.

2 - Director Virgili is solely responsible for operation and rehabilitation of the electrical facilities of the above Società and will see that orders and plans of Allied Authorities are carried out.

Robert A. Bell

Major Signal Corps

Officer in charge

Lerderollo January, 6 1945

AVVISO

1 - In virtù dell'autorità della quale sono investito come Ufficiale Sovraintendente per la ricostruzione degli Impianti elettrici della Società Lerderollo ho designato l'Ingegnere Enea Virgili quale unico Direttore della parte elettrica della detta Società.

2 - Il Direttore Virgili è il solo responsabile per l'esecuzione e la ricostruzione degli impianti elettrici della detta Società e disporrà che gli ordini ed i piani delle autorità Alleate siano eseguiti.

563

Robert A. Bell

- Lerderollo 6 Gennaio 1945 -

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

Col Rapper
Rob

158

Fils

ALLIED MILITARY GOVERNMENT

VOLTERRA

78

30/12/44.

MAJOR BELL
c/o LARDERELLO Works.

Dear Bell

I am not sure how much you know about that enemy agent who dropped near the night of the 27/28th Dec. He left behind him a nice selection of lethal material which would have done down LARDERELLO.

I am in Pond with F.S.S about it all but I have also written my own HQs pointing out that this area is a very good one for dropping enemy agents & that LARDERELLO has no doubt many. I have suggested that it might be wise to consider recommending a permanent military guard - if necessary Italian - for the works. Who I cannot do but I felt you should know.

The agent, by the way, has not been picked up but the material are in & it as well.

Do you even keep a 24 hr guard on the plant which is working - I think they should.

Happy New Year

Love Peter xxx
Margaret.

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

A M G
HQ EIGHTH ARMY
REAR

RECEIVED
P.W. & U. S/C A.C.
9 JAN 1945 158
Original in 218

WMS/a

3 January 1945.

76

Reference: RIX/PU/02

Subject: Electric Power Supply.

To: ALLIED COMMISSION, Headquarters, A. P. O. 394.

1. The bulk of the electric power used in this area originally came from power plants to the north and west, joining the grid system from the south near Cattolica. Producing plants in the present liberated area were all destroyed, so that the only available electricity at present is that from small local plants, principally those operating for military usage.

2. In view of the dire needs of the area due to lack of electricity for industrial uses as well as for water supply and drainage purposes, it is requested that an officer from the Electrical Utilities Division of the Public Works & Utilities Sub-Commission be sent to this headquarters for study and conference on requirements of the region and possibilities for supply. We feel that the problem requires a knowledge of existing conditions for coordination of the future available supplies.

3. Since the utilities of the area come under the jurisdiction of the R. E. the visiting officer must report to this headquarters, where he will be introduced to the proper officer of the R. E.

4. Please give this matter early consideration and advise us of your action.

Copy
Original in 218

CHIEF CAPTAIN,
OFFICER COMMANDING,
AMG EIGHTH ARMY. 561

Copy to -

Lt. Col. Benton-Jones.

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

HEADQUARTERS
TOSCANA REGION
ALLIED MILITARY GOVERNMENT

PW & U.

RVIII/106/92.

3 Jan 45

RECEIVED
PW & U BRANCH A.C.
7 JAN 1945
158

SUBJECT : LARDARELLO Electrical Plant.

TO : HQ, AC.

1. Reference 158/PWU dated 30 Dec 44.

2. The letters referred to in para 3 are returned herewith as requested.

HEADQUARTERS
A. C.

For the Regional Commissioner:

J.HOWARD SALTER,
Major RA,
Adjutant.

Encls: Report by GINORI brothers dated 29 Nov 44.
Letter dated 28 Nov 44, Ref 7/18/25365/2.6 A 1 from Director General State Rlys.

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

Roma 28-11-44

L7/18/25305/E6a1

ALLIED COMMISSION

Col. J E N N Y

DIRECTOR OF SUB COMMISSION PUBLIC WORKS & UTILITIES

R O M A

Ho ricevuto dagli ingegneri Virgili e Micurelli copia del rapporto in data 14 Novembre da loro fatto al Sig. Maggiore A.A. Bell Officer in cñarge della Società Larderello per la ricostruzione degli impianti elettrici.

Da esso risulta confermata l'opera di sobillazione del personale, impiegati ed operai, che si sta da tempo compiendo contro i due rappresentanti di questa Amministrazione nella Società Larderello, ingegneri Virgili e Micarelli, opera che porta di conseguenza ad un minore rendimento del lavoro di ricostruzione.

Da parte mia sto interessandosi perchè venga posto termine allo stato anormale in cui si svolge il funzionamento della Direzione della Società dati i preminenti interessi di questa Amministrazione nella Società stessa.

Nella grave crisi che il paese attraversa, si rende 559 ssario far cessare l'opera che si va svolgendo da esponenti del passato regime. Ciò nell'interesse dello sforzo bellico per condurre vittoriosamente a termine la guerra. Rappresento la opportunità che da parte della S.V. siano svolte indagini sulle cause che hanno determinato questa incresciosa situazione e porvi riparo al più presto.

IL DIRETTORE GENERALE

Tito Di Raimondo

(76)

ELECTROCHEMICAL PRODUCTION OF LARDARELLO Co.

558

29.XI.1944

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

ELECTROCHEMICAL PRODUCTION OF LARDARELLO Co.

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ELECTROCHEMICAL PRODUCTION OF LARDARELLO Co.

The electric power produced in Italy during 1943 amounted to about 18 billion Kw.h per year. Of this about one billion Kw.h, that is to say 5½ % , was produced by "Società Lardarello" by utilizing the geysers containing boric acid and volcanic gas which are to be found in Tuscany . Such source of energy has the special characteristic of a steady and continuous production. In fact the artisian wells, artificially drilled, release a large volume of steam at a uniform pressure and temperature and the mechanical equipment thought out and constructed for this particular purpose ensures a uniform production; so much so that the groups of generators are stopped only when it is necessary to do maintenance work .

The cost of the energy produced by these plants is by far lower than any other: in fact the equipment involved has the simplicity and economy of the hydraulic plants without requiring the enormous investment for the captation of energy which is typical of hydroelectric production. On the other hand, in comparison with thermoelectric plants, the utter economy in fuel needs no comment.

The idea of applying natural steam for production of electric power was due to the study and experiments made by Piero Ginori Conti. At an International Conference held in U.S.A. a few years ago, Piero Ginori Conti was acknowledged as the pioneer of utilization of geothermic manifestations for production of electric power .

The above mentioned characteristic of steady and continuous production has a particular importance in regard to the use of electric power in Italy, inesmuch as it furnished the bulk of the production permitting a great economy in water which, not being used during the normal consumption , can be brought into action to meet conditions of peak consumption .

557

Principal collaborators of Piero Ginori Conti in finding the way to exploit natural steam, were his sons Giovanni (a doctor of chemistry) and Federico, who are still interested in the enterprise .

The geysers existing in Tuscany offer the possibility of producing not only electric power, but also (even though in small percentual) appreciable quantities of ammonia and other gaseous

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-H_2S-, methane and traces of helium) affording possibilities of other interesting chemical products . Indeed Piero Ginori Conti, after years of study, was able to elaborate a programme for a thorough exploitation of this natural steam.

Very important studies and researches were in course of preparation in 1937 when politicians connected with the fascist government, led by personal interests, obtained that all the properties of Società Boracifera di Lardarello - owner of the land and subsoil and grantee of the various concessions for the exploitation of the geysers and for operation of the plants connected therewith - be transferred to the government. Subsequently a settlement was reached and a new Company formed, the State, (or more exactly the Italian State Railways) holding the 2/3 of the capital and the original owners, that is the Ginori Conti family , the remaining 1/3. This transfer of property in favour of the State has brought about no advantage to the welfare of the country on the whole . The Italian State Railways devoted their efforts simply to make use of the existing natural steam for the production of electric power, neglecting almost completely the chemical side of the enterprise and the drilling of new wells, thus hampering new developments in both fields.

Now , according to the long experience acquired, it can be safely assumed that the possibilities of the Società Lardarello are indeed very great; the production of electric power can be easily doubled and brought in a few years to 2 billion Kw.h. The production of boric acid and ammonia can also be largely increased.

It should also be borne in mind that the availability of power at a low cost obtained from geysers allows for a very large chemical production, not possible elsewhere on account of the high cost of hydroelectric or thermic power. Furthermore the residue of steam can also be used for productions requiring steam in large quantities, i.e. the process of distillation and that of concentration.

The Germans before retreating destroyed practically all the electric plants but the very nature of the source of energy is such that the possibility of putting back said plants in working order presents itself easier and less expensive than with any other plant.

556

The Italian Railways, after having taken hold, by requisition, of the shares of the Company, appointed as trustees two engineers of their own: Mr. Virgili and Micarelli .

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owners about the program of work, only caring to finish the power plants already studied by the Ginori's , but not allowing that any progress should be made in the way of making new perfo rations nor obtaining higher cut puts. Indeed since the Fascist State has got hold of Lardarello all progress stopped.

Further more during the german occupation, those two engineers gave all their help to the K.O.K.for the sale of boric products and the supply of electric power. When the Allies were advancing towards Lardarello, the same two engineers abandoned completely the plant and only reappeared after the plant had been liberated. Now the two engineers have started a campaign against the two Ginori brothers in order to get rid of them and remain alone at the head of Lardarello Industry .

It is to be pointed out that the behaviour of the two engineers regarding the workmen had always been hard and injust . So that all the personnel of this Industry cannot stand these two engi_ neers who had been the friends of the Italian Minister of Comuni_ cations during the Fascist Regime, and afterwards were supported_ by the Fascist Republicans and supported by the Germans.

Now the two engineers are looking for the support of the Allies in order to oblige the personnel of Lardarello to cease prefering the Ginori"s , who are well known to be the sole pionneers and the sole experts in the technical exploitation of geothermic heat.

The Ginori brothers request that an inquest should be made at Lardarello .

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Tel: 478.905 HEADQUARTERS ALLIED COMMISSION YSR/lmm
ATO 394
Public Works and Utilities - Sub Commission

Reference: 158/PWU

2 January 1945

R. 74

SUBJECT : Rehabilitation of Anversa Principe Generating Station and Connecting Transmission Lines.

TO : Director, Military Railway Service, Transportation Increment, CMF

1. This letter confirms the meeting held in the office of Major Frank Kubale on the morning of 22 December between Major Kubale, representatives of the Italian State Railways, and officers representing the Public Works and Utilities Sub-Commission, Allied Commission. The purpose of the meeting was to discuss the procedures for rehabilitating the Anversa Principe Generating Station and the high tension transmission lines connecting it to Rome. Those present at the meeting besides Major Kubale were Eng. Albertazzi, Bonati and Virgili of the Italian State Railways, and Majors E.J. Barry and V.G. Renton of the Allied Commission.

2. The meeting resulted in the following decisions:

a. That the Public Works and Utilities Sub-Commission of the Allied Commission is interested in the rehabilitation of the Anversa Generating Station, and the two Anversa - Rome transmission lines and is in a position to lend assistance in supervising the work.

b. That the rehabilitation work will be done by the employees of the State Railway.

c. That the maximum supervision available from the Allied Commission will be the part time of one officer.

d. That the Allied Commission will give all possible assistance in procuring supplies. It is expected however that all available materials in the store rooms of the State Railways will be used before

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demands are made from other sources. It was pointed out that much of the supplies will of necessity be obtained from Italian Government channels.

e. That all correspondence between the Italian State Railways and the Allied Commission will be routed through Major Frank Kubale.

f. That the State Railways will prepare a list of materials required for the Anversa Station, and the Anversa - Rome lines.

2. It is recommended that the repair of the Anversa Station, together with the two transmission lines be so scheduled that operation of these facilities may begin by 1st June 1945, or as soon these after as possible.

3. May we have your confirmation on the foregoing?

337

T.M. LAPPER
Lieut-Colonel
Chief Electrical Div.

C.C. Chief Engineer, AFHQ
Electrical Reconstruction Committee
Transportation Sub-Commission A.C.
Regional Commissioner Umbria-Lazio Region
(Att. Regional Engineer)
Regional Commissioner Marche-Abruzzi Region
(Att. Regional Engineer)
Major R.A. Bell, P.W. & U. Sub-Commission

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

Tel.439041

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

WML/cc
FILE

Reference : 153/PWU
Subject : Electricity Control - Central Italy

2 Jan. 45

To : C.E. - A.F.H.Q.

73

1) - Transmitted herewith for your information is a copy of the draft relating to the interconnection of the Central Italy electric power scheme.

2) - It is proposed to circulate this to military agencies in accordance with the distribution list attached.

W .M.LAPPER
Lt-Colonel
Chief Elec. Div.

enclosures

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2 -

DISTRIBUTION

C.E. - AFHQ
D.T.D. - GFHQ
C.E. - District 1
C.E. - " 2
C.E. - " 3
C.E. - Pembase
D.M.R.S.
C.R.E. - RAAC
A.C. - Economic Section
A.C. - Each Sub-Commission Econ. Sec.
All Regional Commissioners
Sec. Elec. Power Committee AFLR(I)B

Tel.43051 RESTRICTED WHL/ac

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

DRAFT.

Reference : 158/PWU 2 Jun. 45
Subject : Electricity Control - Central Italy

To : DISTRIBUTION BELOW

1) - In the first phase of the electrical rehabilitation work in Central Italy it was inevitable that as each generating unit became available it would be immediately put into service and quickly become fully loaded. The result of this is that to-day we find ourselves with generating plant running overloaded and at low voltage and frequency.

2) - While this arrangement was satisfactory in fact advisable in the first phase by allowing electrical energy to be given to the greatest number of consumers all of very high priority with civilian demand being kept to the absolute minimum it is considered that a continuance of this type of operation now that more and larger generating units are becoming available can only lead to disaster should an emergency condition arise in the system.

3) - In order to secure a supply of electricity in which the voltage and frequency will be maintained at the specified amount and also to provide against the breakdown of the system in the event of an emergency condition arising the following arrangements are being put into force on Saturday 10th January 1945.

4) - (a) The electrical system of the :
"Terni" Società per l'Industria e l'Elettricità
Società Romana di Elettricità
Azienda Comunale Elettricità ed Acque
will be interconnected and the frequency of supply of this system will be maintained at 45 cycles for the present. (It is proposed to interconnect with the Società Unione Esercizi Elettrici "UNES", Società Elettrica Sabatina and the Società Meridionale di Elettricità systems at a later date).

(b) A sufficient spare margine of generating capacity will always be in operation in order to prevent a complete collapse of the system should a breakdown of the largest generating unit occur.

(c) A Master Control Centre will be established in the offices of the Società Romana di Elettricità - V ia Poli N. 14 - Rome.

551

5) - Dealing with the above, items 4(a) and 4(b) are self explanatory and the de-

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

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3) - In order to secure a supply of electricity in which the voltage and frequency will be maintained at the specified amount and also to provide against the breakdown of the system in the event of an emergency condition arising the following arrangements are being put into force on Saturday 20th January 1945.

4) - (a) The electrical system of the :
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Società Romana di Elettricità
Azienda Comunale Elettricità ed Acque
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Utilities Sub-Commission of Allied Commission in conjunction with the Italian Government and the eletrical companies concerned.
Item 4(c) the Master Control Centre is extremely important since the success in the operation of the whole system depends entirely on the efficiency of the Master Control. The following is an outline of the arrangements being made.

(a) The Master Control Centre at Via Poli will be directly connected by telephone to each of the main centres of generation on the system.

(b) There will be two control engineers on duty at all times and each of the companies concerned are being asked to supply suitable men for this work. The control engineers while being employed by their respective companies will be directly responsible to a Chief Control Engineer to be appointed by the electrical companies. The Electrical Division of A.C. will maintain a supervisory control over all electrical operational work.

(c) The control engineer on duty will be responsible for the system operation, he will have complete control and under NO circumstances will any person be allowed to give orders to generating stations connected to the system which will interfere with the operation of the plant or system.
Instructions in connection with the operation of all switchgear on the high voltage system on that portion which will affect the operation of the generating stations are included in this.

(d) The Control Engineer will record each hour the output of electricity from each generating station on the system, loading of main transmission lines and interconnectors, enter all switching operations and abnormal occurrences. A copy of the previous days log record will be delivered by hand each morning to the Chief Electrical Division A.C.

(e) Since by interconnecting the electrical systems and putting the control under one authority will greatly increase the efficiency of the system and give a better and more reliable supply, the danger from enemy action of the Master Control Centre as integral part of the system must not be overlooked. Arrangements are therefore being made for an emergency Control Centre situated at the office of the Electrical Division of A.C. so that the system operation can be taken over without interruption in case of emergency conditions arising.

(f) In the case of extreme emergency due to breakdown whereby the Control Engineer is unable to maintain the standard voltage and frequency he will give instructions for cutting off supplies and for the restoration after the emergency has passed.
In order that the high priority loads may be maintained during an emergency he will be supplied with a list of switches and their locations which may be opened during the period of the emergency. This list will be compiled by

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the Electrical Division A.C. in conjunction with the Chief Engineer of the Army Districts and the CRE of RAAC.
To further safeguard against mistakes being made in cutting off supplies in emergency the switches at the power stations which control the circuits to be taken off will be marked thus :
(1) Red Label - First line emergency circuits
(2) Green Label - Second line emergency circuits.

Each of these labels will be issued, located and signed by the Chief Electrical Division of A.C.

6) - The allocation of all electrical energy is carried out by the Electrical Power Committee of the Allied Force Local Resources Board (Italy). This committee will be asked at the next meeting to be held on 22 January 1945 to review the consumers of electricity already made, and to see whether in the light of the new interconnection arrangement whereby a more equal distribution of energy will be possible, there are any consumers of higher priority still on the waiting list and for which a supply should be made available.

To summarize

(a) - The electrical generating stations in the Terni, Rome and Tivoli areas will be connected together through the Grid System as from Saturday 20th Jan. 45.

(b) - This system will operate at 45 cycles.

(c) - The operation of the generating stations will be directed from a Master Control Room in Rome. The operation will be carried out by Italian Engineers with supervisory control by Electrical Division A.C.

(d) - Since stations operating in parallel are interdependent operational instructions will be given only by the control engineer.

(e) - A square margine of capacity will be maintained to meet unforseen contingencies and to allow of the correct voltage and frequency being maintained.

(f) - The Control Engineer will give instructions to cut off supplies to meet emergency conditions.

(g) - The Electric Power Committee of AF LSB(I) will be asked to review allocations already made for electrical energy. 5/9

(h) - At a date to be notified the Leghorn-Florence and eastern areas will be brought into the pooling scheme. Technical details in connection with free

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

(1) Red Label - First line emergency circuits
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To summarise

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(f) - The Control Engineer will give instructions to cut off supplies to meet emergency conditions.

(g) - The Eletric Power Committee of AF LAB(G) will be asked to review allocations already made for electrical energy. 5/9

(h) - At a date to be notified the Leghorn-Florence and eastern areas will be brought into the pooling scheme. Technical details in connection with frequency are being studied for these areas.

W.M.LAPPER
Lt.Colonel
Chief Elec.Div.

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D R A F T

letter which it is proposed to ask the Secretary of the Electric Power Committee to send to members prior to the meeting of the 22nd January 1945.

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1) - Arrangements are in hand for the interconnection of the electrical systems of the Società Romana di Elettricità, Azienda Comunale Elettricità ed Acque and "Terni" Società per l'Industria e l'Elettricità. It is anticipated that this interconnection will be effected on Saturday 19th January 1945.

2) - The electricity distributed in these areas will be at 45 cycles and the pooling of generating facilities thus effected will allow of a different allocation of energy to that which has been made in the past.

3) - It is proposed therefore that at the next meeting of the Electric Power Committee of the AFLR(I)B to be held on the 22nd January 1945 to review the allocations of energy already made and to see whether a revised allocation is advisable in the light of the altered generating facilities.

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Tel.489081
Ext.317

WML/ce

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

158/PWU.

30 Dec.44

SUBJECT: Larderello Electrical Plant.

TO : Regional Commissioner, Toscana Region.

(69)

1. Ref. your letter RVIII 100/88 dated 22 December 1944.

2. Your remarks in connection with the difficulties which we have experienced at Larderello have been noted and it would now appear that the matter will have to be dealt with by ourselves.

3. Will you please return the letters

(a) Report by Ginori brothers, dated 29th Nov.1944,

(b) letter dated 28th November 1944 - Ref.7/18/25365/E.6 A 1. from Director General State Railways,

which were attached to my letter of 4th December 1944.

By Command of Rear Admiral Stone,

W.M. LAPPER,
Lieut-Colonel,
Chief,Electrical Div.

folio 75 refers

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Paul Title
Letter from
Re Lardarello

American Mission to the Holy See,
2, via Boncompagni, Rome.

December 4, 1944.

Sir:

This will introduce Ing. Marino Dalla Torre, who is the son of the Editor-in-Chief of the "Osservatore Romano", the official Vatican newspaper.

It will be appreciated if whatever facilities which fall within the regulations could be accorded to him.

Very truly yours,

Harold H. Tittmann

Harold H. Tittmann
Assistant to the Personal Representative
of the President of the United States
to His Holiness The Pope

To the Allied Officer in Charge,
Società Lardarello,
Lardarello.

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COPIA

MINISTERO DELLE COMUNICAZIONI
Gabinetto

Roma, 26 November 1944

N. UL/40/405/

Oggetto : Società Anonima Larderello

All'Ing. MARINO DALLA TORRE

ROMA

Con decreto in corso V.S. è incaricata di inquirere e riferire sullo stato attuale degli stabilimenti della Società Anonima Larderello, nella quale l'Amministrazione delle Ferrovie dello Stato è interessata con una rilevante partecipazione azionaria.

IL MINISTRO
Cerabona

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

6 -

Ministero della Guerra
Gabinetto

Roma, 26 Nov. 1919

Subject: Sig. Giannina Landucci

To: Sig. Marina Dalla Torre
Rome

By a decree under which you are charged with investigating & reporting on the present state of the San Gennaro Landucci factories, in which the Administration of the State Railways is interested with a considerable number of shares.

544

O.de CST/gb

0026 14

HEADQUARTERS
ALLIED MILITARY GOVERNMENT
LAZIO UMBRIA REGION
(Engineering Division)
APO 394

RECEIVED
P W B U.S.S.A.C.
29 DEC 1944 158

28 December 1944

70

P.B.S.
CO : C.O. No. 1, X District
No 3

SUBJECT : Technical notes

IN REPLY QUOTE : HA/LUG/ 700

Reference attached HA/LUG/700 dated 22nd Dec.and Technical Notes attached. -

In drafting I have endeavoured to avoid trespassing on your sphere, if I have in any point could you let me know. -

The three spheres are closely connected and sometime the Italian authorities will have to carry a larger share and it is desirable that the foundations for such change should be laid well ahead.

(A. HILL)
Lt.Col.R.E.
Regional Engineer
Lazio Umbria Region AMG.

Enclosures

Copy to:
H & M
HQ. A.C.(IV)
Regional Hq.

HEADQUARTERS
28 DEC 1944
A. C.

Lt. Col. Laffler.
Any comments? — See also Letter 69
GEH. — 542

Declassified E.O. 12356 Section 3.3/NND No. 763019

IN REPLY QUOTE : R4/RSO/ 700

Reference attached R4/RSO/700 dated 22nd Dec. and Technical Notes attached. -

In drafting I have endeavoured to avoid trespassing on your sphere, if I have in any point could you let me know. -

The three spheres are closely connected and sometime the Italian Authorities will have to carry a larger share and it is desirable that the foundations for such change should be laid well ahead.

Lt.Col.R.E.
Regional Engineer
Lazio Umbria Region AMG.

Enclosures

Copy to:
P & W
HQ. A.C.(RU)
Regional HQ.

HEADQUARTERS
28 DEC 1944
A. C.

Lt. Col. Laffler.

Any comments? — See also letter 69.

GEH.

28/12.

512

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

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

HEADQUARTERS
TOSCANA REGION
ALLIED MILITARY GOVERNMENT

RECEIVED
P.W. & U. S/C A.C.
29 DEC 1944 158

File Ref: RVIII/100/88 Date: 22 Dec 44.

69

SUBJECT: LARDERELLO Electrical Plant.

TO : HQ, AC (Attention Public Works and Utilities Sub-Commission)

(37)

1. Reference your 158/ /PWU dated 4 Dec 44.

2. I have carefully considered the suggestion contained in para 8 of your letter. I am opposed to instituting the enquiry you suggest. In my opinion it is outside the province of TOSCANA Region, being a matter for decision in the Italian Civil Courts in due course.

3. In the meantime, both the operation of the plant and the allocation of its output have been taken out of Region control. It would appear, therefore, that the Allied Board or Committee which decides on the allocation of the product of the plant; and which, I am told, represents all interested Allied agencies, should decide with whom they desire to do business, at this time, and order the other interests to keep hands off.

ROBT.G.KIRKWOOD,
Colonel, FA, US Army,
Regional Commissioner.

Copies to : Industry, TOSCANA Region
P.W.& U. " "
R.L.O. " "

GTJ/ac.

HEADQUARTERS
28 DEC 1944
A.

541

Folio 72 refers

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

NAID 7.6.89081

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

68 40/

28 D oc.44

Reference : 154/PWU
Subject : Log of Major R.A.Bell

To : REGIONAL COMMISSIONER LAZIO-UMBRIA REGION
(Attn Reg. Engineer) TOSCANA REGION
P.B.D. SPRINGERS (Attn Lt.Col.Cooley)
PROVINCIAL COMMISSIONER - TERNI (Attn Maj.Lee)
HQ. 5TH ARMY AMG (Attn Capt. Gaither)

1) - Attached herewith is copy of the log of Maj.R.A.Bell for the period December 9th to December 27th inclusive.

W.F.LAPPER
Lt-Colonel
Chief Elec. Div.

1 enclosure

540

Fol. [illegible]

ALLIED MILITARY GOVERNMENT
Public Works and Utilities Sub-Commission
APO 394

NAB/ac

LOG OF MAJOR D.A.BELL

December 9th - Rome

Conference with Major Price and Dr.Pannuntzi (Lardarello) 40 tons of cement to be shipped monthly by rail from Civitavecchia to Pallonica. PWB to release trucks for this when Maj.Price requests. War damage reports to be sent direct to this office.

December 10th

Journey to Lardarello with Maj.Denton. Conference with Director Virgili on 220 KV transmission.

December 11th

Journey to Livorno, Pisa, Cecina etc. with Virgili, Pannuntzi and Maj. Denton. Conference with Lt.Col.Cooley. Called Lt. Col.Lapper get information on Lardarello heat exchangers for Lt.Col. Page. Conference with Maj.Freeman (executive officer Pisa Province). He is to see province supply officer when he returns and straighten out rations. POL and other items for Lardarello. I left him letter from Ministry of Agriculture & Forests dated Dec. 4th addressed to Lardarello Company (requesting that Lardarello come to Pisa with ration cards to pick up rations).

Conference in Cecina with workmen regarding damage to 220 KV lines Lardarello to Cecina and Livorno.

December 12th

Raining heavily. Return to Lardarello. Conference with Virgili and Pannuntzi on war damage reports. Brought back six reports (projects at Lardarello through 1946) for Capt.Rogers to complete.

December 13th

Conference with Eng.Dalla Torre, Virgili and Pannuntzi. Dalla Torre here for inquiry per letter November 25th from Ministry of Communications. Original order October 4th was for him to come here as commissario, however no law permits this and was told to come here on this inquiry for 60 days in which time would be straightened out, asked Dalla Torre to return to Rome with me in order to get competent Allied authority.

539

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

Conference with Major Price and Dr. Tamburini (Lardarello) 40 tons of cement to be shipped monthly by rail from Civitavecchia to Pallonica. PBS to release sacks for this when Maj.Price requests. War damage reports to be sent direct to this office.

December 10th

Journey to Lardarello with Maj. Keaton. Conference with Director Virgili on 150 KV transmission.

December 11th

Journey to Livorno, Pisa, Cecina etc. with Virgili, Tamburini and Maj. Keaton. Conference with Lt.Col.Cooley. Called Lt. Col.Lapper get information on Lardarello best exchangers for Lt.Col. Page. Conference with Maj.Erasmus (executive officer Pisa Province). He is to see province supply officer when he returns and straighten out rations, POL and other items for Lardarello. I left him letter from Ministry of Agriculture & Forests dated Dec. 4th addressed to Lardarello Company (requesting that Lardarello come to Pisa with ration cards to pick up rations).

Conference in Cecina with workmen regarding damage to 150 KV lines Lardarello to Cecina and Livorno.

December 12th

Raining heavily. Return to Lardarello. Conference with Virgili and Tamburini on war damage reports. Brought back six reports (projects at Lardarello through 1943) for Capt.Rossow to complete.

December 13th

Conference with Eng.Dalla Torre, Virgili and Tamburini. Dalla Torre here for inquiry per letter November 26th from Ministry of Communications. Original order October 9th was for him to come here as commissario, however no law permits this and was told to come here on this inquiry for 60 days in which time 539 could be straightened out. Asked Dalla Torre to return to Rome with me in order to get competent Allied authority.

Journey to Rome.

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

December 14th

Conference with Dalla Torre and Lt.Col.Lapper. Dalla Torre to stay in Rome until Allied inquiry or further orders.

Conference with Lt.Col.Lapper and Col. Behrens (Hq. legal officer). I am to go to Lucca and discuss inquiry with Region officials.

Conference with Dir. Micarelli. Gave him release for supplies from SNIA. He is to sign war damage claims when ready.

December 15th

Journey to Terni.

Conference with Lt.Butcher and Maj. Byringham (SOB AMG). Steel Mill not operating (rolling mill) due to low voltage.

Journey to Foligno with Lt.Butcher for conference with Maj. Rivet. Four soldiers coming to Terni to-morrow to be stationed at Cervara and Ville Valle to determine where KVa are going. Voltage low in Foligno. Maj/ Rivet to send 5000 KVA, 10/60 KV transformer to Galleto to send power to Foligno line only.

December 16th

Form 547 11 for 30 Kg. tin from Bosco Works to Lardarello not valid as SP has frozen these tin stocks and it is necessary for AC to get release from SP (informed Maj. Price). Two Lardarello laborers have finished at Terni. I am to return them to Rome.

Conference with De Gasperi. Terni Company making plans to repair Ostilia, Prodi, Santa Vallino etc. Desires to know what future plans we have for steel works so that he can arrange program. Informed him that Selt-Valdarno would have some work and I would try to have this to him by January 1st (attention Maj. Barry) also that Sagitario would be next job. Voltage at Steel Works not greatly improved. Desires three units at Cervara exclusive for steel works when Galleto comes on. ACC promised to have Falisano drawings at Steel Works by Nov. 10th as yet not arrived (attention Maj.Barry).

Lardarello parts completed and assembled on Dec. 10 for inspection of anyone who desires. To leave Terni by transport furnished by Maj. Rivet on Dec. 21st.

Wrote letter to Maj. Rivet regarding this. Cpl. Dry to accompany truck. Journey to Rome.

December 17th

Conference with Maj. Barry regarding future work for Steel Works. Conference with Micarelli, all material requested by

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

Conference with Dir. Micarelli. Gave him release for supplies from [illegible]. He is to sign war damage claims when ready.

December 15th

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Conference with Lt.Butcher and Maj. Cuningham (80 AMG). Steel Mill not operating (rolling mill) due to low voltage.

Journey to Foligno with Lt.Butcher for conference with Maj. Rivet. Four soldiers coming to Terni to-morrow to be stationed at Cervara and Ville Valle to determine where KVa are going. Voltage low in Foligno. Maj/ Rivet to send 5000 KVA, 10/60 KV transformer to Balleto to send power to Foligno line only.

December 16th

Form MAT 11 for 10 Kg. tin from Bosco Works to Lardarello not valid as PC has frozen these tin stocks and it is necessary for AC to get release from PW (informed Maj. Price). Two Lardarello laborers have finished at Terni. I am to return them to Rome.

Conference with De Gasperi. Terni Company making plans to repair Cotilia, Preci, Cinta Vallino etc. Desires to know what future plans we have for steel works so that he can arrange program. Informed him that Colt-Valdarno would have some work and I would try to have this to him by January 1st (attention Maj. Barry) also that Sagitario would be next job. Voltage at Steel Works not greatly improved. Desires three units at Cervara exclusive for steel works when Balleto comes on. ACSA promised to have Baliano drawings at Steel Works by Nov. 10th as yet not arrived (Attention Maj.Barry).

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December 17th

Conference with Maj. Barry regarding future work for Steel Works. Conference with Micarelli. All material requested by

./.

538

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

Lardarello obtained except aluminum solder and cable compound. Maj.Price to get this. Maj. Price to notify Lt.Col.Cobley when load of cement leaves Civitavecchia for Pallonica and Lt.Col.Cooley to foonagram to Lardarello.

Wrote to Lt.Col.Lapper regarding Italian Soldier and truck at Lardarello.

December 13th

Journey to Lardarello. Conference with Virgili. Going to Rome to-morrow. Told him to confer with Lt.Col.Lapper and Maj. Benton.

December 14th

Have permission to move wrecked 3000 KV unit so that 700 KV unit could be installed in its place.

Lt.Col.Cooley called from Grosseto. I am to meet Maj. Bruni in Massa to-morrow at 10 A.M. to discuss transformers.

December 15th

Looked over Pologio Pievano transformers. Conference with Maj.Bruni. Inspected 4 transformers - 2 4500 KVA, 60 KV/17 KV/ 9 KV damaged with rifle in Serravezza Sub-Station and 2 - 3500 KVA/37KV/ 15 KV undamaged in Railroad yard Massa. Went over these plans for utilising these transformers.

Capt.Tremaine-Wilson called from Pallonica regarding 300 KVA transformer.

Journey to Livorno. Conference with Lt.Col.Cooley. Favors plan of transporting all four Massa transformers to Castelnuovo at once and doing repair work there with Allied personnel (Lt.Tanner). I am to meet Lt.Tanner in Massa 10 A.M. Dec. 16th. Try to hold Maj. Rivet's transport long enough to move these four transformers.

December 21st

Journey to Pisa. Conference with Lt.Blair, Maj.Brennan Lt.Col.Walters. Syndaco can hire trucks permanently (on commune business only) from Officio di Trasporti (Pisa).

Journey to Lucca. Conference with Col. Kirwood and Col. Weber (legal officer). The Lardarello situation not one for the legal division and an investigation by AC is contrary to initial instructions. Letter from A. F. H. Q. is not an order but a request. If investigation is desired, Chief Commissioner should prefer charges.

537

Declassified E.O. 12356 Section 3.3/NND No. 784019

Journey to Lardarello. Conference with Virgili. Going to Rome to-morrow. Told him to confer with Lt.Col.Lapper and Maj. Heaton.

December 19th

Gave permission to move wrecked 3000 KW unit so that 700 KW unit could be installed in its place.

Lt.Col.Cooley called from Grosseto. I am to meet Eng. Bruni in Massa to-morrow at 10 A.M. to discuss transformers.

December 20th

Looked over Poggio Pievano transformers. Conference with Eng.Bruni. Inspected 6 transformers - 2 4500 KVA, 40 KV/17 KV/ 6 KV damaged with rifle in Marconna Sub-Station and 2 - 2500 KVA/37KV/ 15 KV undamaged in Railroad yard Massa. Sent over three plans for utilising these transformers.

Capt.Tronsen-Hansen called from Follonica regarding 500 KVA transformer.

Journey to Livorno. Conference with Lt.Col.Cooley. Favors plan of transporting all four Massa transformers to Castelnuovo at once and doing repair work there with Allied personnel (Lt.Tanner). I am to meet Lt.Tanner in Massa 10 A.M. Dec. 24th. Try to hold Maj. Rivet's transport long enough to move these four transformers.

December 21st

Journey to Pisa. Conference with Lt.Blair, Maj.Brennan Lt.Col.Walters. Bindano can hire trucks permanently (on commune business only) from Officio di Transporti (Pisa).

Journey to Lucca. Conference with Col. Kirwood and Col. Weber (legal officer). The Lardarello situation not one for the legal division and an investigation by AC is contrary to initial instructions. Letter from P. W. B. is not an order but a request. If investigation is desired, Chief Commissioner should order, otherwise region cannot make one.

./.

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

December 22nd

Journey to Lardarello.

December 23rd

Visited Castelnuovo. Mantentzi and Nicarelli to Rome. 9.30 P.M. 3000 KW unit damaged (turbine blades) four days to repair.

December 24th

Approximate six inches snow during night. Not possible to go to Massa by 10 A.M.. Sent message to Lt.Col.Cooley.

Lt.Tanner Calloi from Massa at 1 P.M. To arrive here at 7.30. Conference with Lt. Tanner and visited Castelnuovo. I am to move transformers and notify him when available for repair. Lt.Col. Cooley asked me to stay here until 3000 KW back on line. Talked to Eng. Musi. Necessary to have workmen work through Xmas and at night until 3000 KW unit functing. Musi not sure workmen will approve of this.

December 25th

Sent pheasant shooting for four hours. Visited unit at Lardarello. Workmen busy. Unit will be running to-night.

December 26th

Unit functioning at 3.45 A.M.

December 27th

Inspected Lardarello and Castelnuovo with Musi. Everything is ready for unit from Larai.

Journey to Rome.

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

SOCIETA MERIDIONALE DI ELETTRICITÀ
Servizio Distribuzione (ex Vendita)

Segnato alla lettera del 28 DEC 1944 Foglio N. 158

al

B.V/ap 406 /198

Roma, 27 Dicembre 1944

PRO MEMORIA PER ING. ERRERA

Il personale di Orbetello della Società S.G.E.M. non ha consegnato al nostro camion il noto trasformatore 30.000/500 (malgrado l'esibizione di una nostra lettera per ricevuta) dichiarando di non aver avuto istruzioni dalla propria Direzione e obiettando che alla stazione di Tarquinia sarebbe disponibile una unità da 500 KVA della Montecatini.

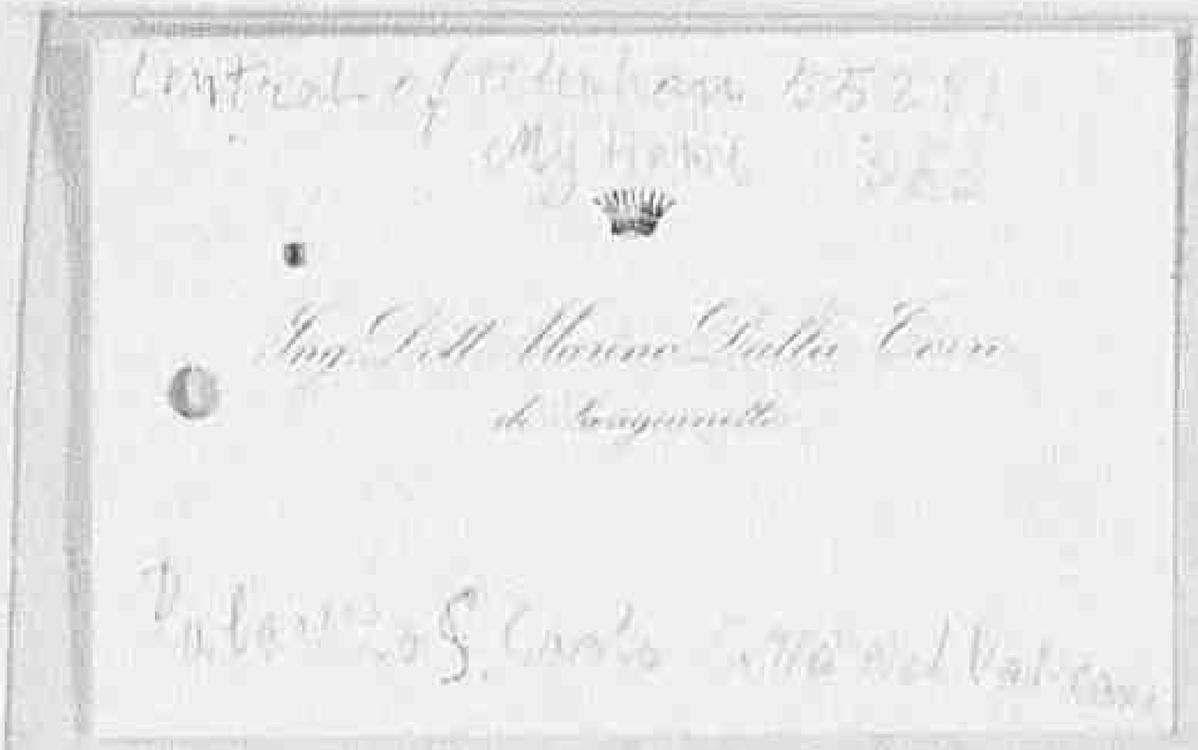
Vi preghiamo voler prendere i definitivi accordi e voler dare le opportune istruzioni alla Direzione della Montecatini, comunicando inoltre a noi quanto dovremo provvedere.

B

per Tarquinia
Capitano Bonamico
per trattativa
535
29/DEC/44

1926

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



HEADQUARTERS ALLIED COMMISSION
Public Works and Utilities Sub-Commission
A.P.O. 394
ELECTRICAL DIVISION

66

MEMORANDUM TO BE ATTACHED TO REPORT "RESTORATION OF ITALIAN ELECTRICAL PLANT and TRANSMISSION SYSTEM"- PROGRESS REPORT FOR MONTH OF NOVEMBER 1944

1) - The attached report deals with electric generating plants and transmission lines in Central Italy as of 30 Nov. 1944.

2) - (a) The report covers 91 large plants with an original installed capacity of 1,171,382 KW and 80 small plants with an original installed capacity of 18,960 KW.

(b) Of the large plants 28 with an original installed capacity of 186,246 KW, have a present output of 95,857 KW.

(c) Of the small plants about 20 with an original installed capacity of about 9,710 KW have a present output of 6,380 KW.

(d) Summerizing (a), (b) and (c) above results in a total 171 plants with an original installed capacity of 1,180,342 KW of which about 48 plants, with an original installed capacity of 197,956 KW are capable of producing 102,237 KW as shown on page 4 of the report.

(e) Assuming that 20% of the installed plant was spare capacity the wide difference between the original installed capacities and the present outputs is due to the destruction caused by the enemy from mining. In the operating plants the same reason applies plus the fact that some machines have not yet been repaired, variable water conditions etc.. Some units in the operating plants will not be restored to operation for many months.

3) - During the month of Nov. 44 23,120 KW of installed capacity was restored to service.

4) - (a) Table "B", pages 5, 6, and 7, shows the estimated dates at which additional generating capacity in 28 of the plants will be repaired.

(b) This re pair work will bring the total output capacity to about 386,000 KW by the end of 1945.

534

5) - Chart 1, page 8, shows in graphical form

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

ITALIAN ELECTRICAL PLANT AND TRANSMISSION LINES -
PROGRESS REPORT FOR MONTH OF NOVEMBER 1944

---

1) - The attached report deals with electric generating plants and transmission lines in Central Italy as of 30 Nov. 1944.

2) - (a) The report covers 91 large plants with an original installed capacity of 1,171,382 KW and 80 small plants with an original installed capacity of 18,960 KW.

(b) Of the large plants 28 with an original installed capacity of 188,246 KW, have a present output of 95,857 KW.

(c) Of the small plants about 20 with an original installed capacity of about 9,710 KW have a present output of 8,880 KW.

(d) Summerizing (a), (b) and (c) above results in a total 171 plants with an original installed capacity of 1,180,342 KW of which about 48 plants, with an original installed capacity of 197 ,856 KW are capable of producing 102,237 KW as shown on page 4 of the report.

(e) Assuming that 20% of the installed plant was spare capacity the wide difference between the original installed capacities and the present outputs is due to the destruction caused by the enemy from mining. In the operating plants the same reason applies plus the fact that some machines have not yet been repaired, variable water conditions etc.. Some units in the operating plants will not be restored to operation for many months.

3) - During the month of Nov. 44 23,120 KW of installed capacity was restored to service.

4) - (a) Table "B", pages 5, 6, and 7, shows the estimated dates of which additional generating capacity in 28 of the plants will be repaired.

(b) This re pair work will bring the total output capacity to about 386,000 KW by the end of 1945.

534

5) - Chart 1, page 8 shows in graphical form, monthly, the generating

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

plant which has been restored up to 30 Nov. 44 and the expected restoration up to 30 June 1945. The original estimate was made in August 1944 and revised in Dec. 1944 in the light of more reliable information.

6) - Chart 2 page 9, shows in graphical form the situation, as of 30 Nov. 44, the percent of repairs to principle transmission lines of 30,000 Volts and above. During the month of Nov. 44 there were 188 Km of line completed.

7) - The situation in Southern Italy and the islands is considered to be in a reasonably satisfactory condition and no progress data is now being compiled for those areas.

for W.M.LAPPER
Lt-Colonel
Chief Elec.Div.

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

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

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HEADQUARTERS
ALLIED MILITARY GOVERNMENT
LAZIO-UMBRIA REGION
APO 394

RECEIVED OI
P.W. & U. S/C A.C.
16 DEC 1944 158

R/5868

13 December, 1944

SUBJECT: Electrical Supply - Perugia.

TO : HQ. Allied Commission
Office of the Chief of Staff.

1. A very serious electrical situation has arisen in Perugia Province which, so far as we can see, is due to two factors.

2. It seems that on or about 17 Nov. the output of the NERO MONTORO station was switched to Florence without warning. The reduced supply was subject to shut-downs and, in consequence, four generators of the UNES (Perugia) group have been burnt out.

3. Up to the end of November this Region had taken no action because the Regional Engineer had not been informed. The original source of the information above is CRE 52 Area.

4. Any technical suggestions and action is, of course, being left to the Regional Engineer. This Regional Commissioner is concerned with 3 points.

(a) He feels it is necessary to call the attention of HQ. Allied Commission to the threat to the olive crop and flour mills. He quotes the concluding paragraph of CRE's report:" Unless the allotment of 3500 KW is received within a few days... ... the olive oil industry will be ruined and a total shut down of all industries will be necessary."

On this it is requested that temporally the output from NERO MONTORO be returned until the GALLETO plant starts functioning (14 days).

(b) Every effort is being made to trace who gave the orders to switch over without warning this HQ. We are told that HQ Allied Commission gave the order. If that is so, the Regional Commissioner must protest and point out that, had the proper channels been utilised, the Regional Engineer would have been able to take steps to prevent the consequent disasters.

Lt Col Pepper

532

Re. look into this and let me have your views on this matter

Ra L. 16/12

15 dec.
20

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

(c) The Terni group appear to have acted entirely in their own interests. Furthermore they did not take any action until a Staff Officer from this Region visited them.

This is an entirely domestic affair within this Region and Provincial Commissioner of Terni will take steps to see that the orders given to the Terni group by Regional Engineer are carried out.

5. This letter is addressed to your office because aid is requested on the highest level to obtain the temporary restoration of current from Florence.

For the Regional Commissioner:

A.D. Bonham-Carter
A.D. BONHAM-CARTER
Lt. Colonel
Executive Officer

Copy: Regional Engineer, Lazio-Umbria
Provincial Commissioner, Terni
" " Perugia.

G.de CEF/gb

64

RECEIVED
P.W. & U.S.C.A.C.
27 DEC 1944 151

HEADQUARTERS
ALLIED MILITARY GOVERNMENT
Lazio Umbria Region
(Engineering Division)
APO 394

158 27 December 1944

TO : A.C. P.W.(U) ✓

SUBJECT : Continued Operation of Cisa Viscosa Generating Station, Rieti

IN REPLY QUOTE : R4/ENG/701.8

62

Your 158/PWU dated 27th Dec.

1. The allocation of energy is made to the Military District and the suballocation is their responsibility not mine.

If they choose to increase military load at expense of Civil load they can do so without consulting me. - In practice the two Industries in TERNI under Military control were taking more than their quota, although I hope with formal communication of letter of 5th Dec. (from C.E. to you) as an order to the Dispatcher that this will be adhered to in future.

2. Subject to the above my opinion is that before cutting off we should be sure that the position is stabilised and in hand and that the wasteful production at RIETI should continue probably for a fortnight or so till Galleto is in.

Lt. Butcher is off North again today and on his return on probably Saturday or Sunday will have first hand up to date knowledge.-

Yesterday he told me Maj. Rivet had said situation was better, but there are still conflicting reports. - Local opinion in PERUGIA 7 days ago was that they were starved and had not enough for essentials, and that TERNI did not give SPOLETTO their share, TERNI Dispatcher told me that SPOLETTO did NOT accept all the current offered. -

I have told Lt. Butcher to go into these conflicting tales and ascertain what are the facts. -

3. A week ago TERNI Works generating set of 1400 KW was shut down for repair. - I have NOT heard that it is in again. Landerello 6000 KW is also off just now.-

530

Lt.Col.R.E.
Regional Engineer
Lazio Umbria Region AMG.

Copy to:

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

IN REPLY QUOTE : B4/ENG/701.8

62

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530

Lt.Col.R.E.
Regional Engineer
Lazio Umbria Region AMG.

Copy to:
E & M
Lt. Butcher (to Perugia)

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

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

63

HEADQUARTERS
ALLIED MILITARY GOVERNMENT
TOSCANA REGION
PUBLIC WORKS AND UTILITIES DIVISION.

RECEIVED
P.W. & U. S/C A.C.
24 DEC 1944 171

RVIII/100/PWU/1/3. 20. Dec.44

SUBJECT : Rehabilitation Programme.

TO : Public Works and Utilities Sub-Commission
Electrical Division. A.C. HQRS A.P.O. 394.

Ref. telephone conversation Renton - Crowther.

Herewith outline of rehabilitation programme drawn up to Jan. 31st 1945, with detail of progress and conclusions.

FOR THE REGIONAL ENGINEER

A. CROWTHER
MAJOR R.E.
ELECTRICAL UTILITIES
TOSCANA REGION.

2. Copies

R & C Report

Eng. 26/12

Tel: 478906

VSR/lam

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

62

Reference: 158/PWU

27 December, 1944

SUBJECT: Continued Operation of Cisa Viscosa Generating Station, Rieti.

TO : Regional Commissioner, Umbria-Lazio Region
(Att. Regional Engineer)

1. Within the past few days, the effective capacity of the Cervara Generating Station at Terni has increased from approximately 6,200 kilowatts to approximately 7,100 kilowatts.

2. In consequence of this increase in capacity, information is requested as to whether you believe that the essential electricity requirements in the Terni area could be met if the Cisa Viscosa generating station at Rieti were now shut down.

W.M. Lapper
Lieut-Colonel
Chief Electrical Division.

528

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

RECEIVED
P.W. & U. S/C A.G.
23 DEC 1944 158

61

HEADQUARTERS
SOUTHERN REGION ALLIED COMMISSION
Public Works &Utilities Section
APO 394

21 December 1944.

SUBJECT : Portable Electric Generators.

TO : Headquarters Allied Commission
Public Works &Utilities Section
Attention Lt. Col. W.M. Lapper.

1. This letter will confirm a telephone conversation with your office on 21 December 1944, relative to portable electric generating units.

2. This office has been advised that there are 15 - 25 KVA - 120 Volt 60 cycle single phase electric generating units available for release to the Allied Commission.

3. Any further information relating to the above mentioned generating units can be obtained from the office of Chief Engineer of AFHQ.

For the Regional Engineer :

R. A. RYAN
Capt. Spec. Res.

RAR/rb

527

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

RECEIVED 8 0 S/C A.C.
14 DIC. 1944

Ministero dei Lavori Pubblici
DIREZ.GEN.DEI SERV.TECNICI
ISP.GEN.ELETTR.ACQUA E GAS
N° 247 di prot.

Al Headquarter's Allied Commission-Sub-commission Public Works and Utilities APO.394 Via Veneto - Roma -

Risposta a vostra del 6 dic. 1944 N° 158/P.W.U.

OGGETTO: Funzionamento di emergenza della centrale di energia elettrica CISA VISCOSA a Rieti.

RECEIVED CT
P W & U S/C A.C.
18 DEC 1944 158

In ordine a quanto raccomandato da codesta Commissione con la lettera sopra indicata si fa presente che sono state già impartite istruzioni telegrafiche al Prefetto di Rieti per la sollecita riattivazione della centrale termica CISA, avvertendolo altresì che occorre integrare scorta carbone con altro giacente presso il Zuccherificio.-

L'ISPETTORE GENERALE
V. Vincentini

p.s.
Maj [illegible]
R. Translation attached
File R.

526

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

File

59 WML/ac

Tel. 317

M E M O R A N D U M

25 Dec. 44

Reference : 158/PWU
Subject : Portable Electrical Plants

To : DIRECTOR P.W. & U. S/C, A.C.
From : Electrical Division

1) - Capt. Tolben who recently visited London with Mr.McMillon handed the attached to me this morning.

2) - This was given to him by the C.A. 16 Branch W.D.

3) - I have sent a copy to D.W. and to C.E. - AFHQ with a request to D.W. that Lt.Col.Page who is now in London be cabled to make further inquiries regarding technical particulars etc..

4) - I expect the Military may consider the dates too late for action on their part and therefore a civilian requisition may be considered.

5) - Suggest that we take action as soon as we receive a report from Lt.Col.Page who will be back in about two weeks time.

525

W.M.LAPPER
Lt.Colonel
Chief Elec.Div.

1 enclosure

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

Tel. 19301

HEADQUARTERS ALLIED COMMISSION
Public Works and Utilities Sub-Commission
A.P.O. 394

WMT./ec

58

Reference : 156/PWU
Subject : Portable Electrical Plants

23 Dec. 44

To : D.E. - 15th ARMY GROUP

1) - Attached is a copy of a letter sent to us from H.D. C.A. 16.

2) - May a cable be sent to Lt.Col.Page requesting that he contact C.A. 16 for further information and technical particulars.

for W.E. LAPPIN
Lt.Colonel
Chief Elec.Div.

cc : C.E. - A.F.H.Q.

1 enclosure

Telephone 4/000
LGP/bs

FILE

57

HEADQUARTERS ALLIED COMMISSION
APO 394
Public Works & Utilities Sub Commission
Electrical Section

References: 153/PWU

20/12/44

Subject : Industrial Power

To : HQ MTOUSA
APO 512

1. Attached hereto is copy of a letter received from HQ AAC 5th Army which is self explanatory.

2. It is understood that such a number of mobile generators with attendants, may be released by the Air Force Service Command which generators were originally intended for use with radar sets.

3. Your early decision on this question will be appreciated.

W.L.LAPPER,Lt.Colonel
Chief Electr.Division

Encl. Copy ltr HQ AAC 5th ARMY
dtd 8 Dec.44

524

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

FILE

56

Telephone 475805
LGF/ba

HEADQUARTERS ALLIED COMMISSION
APO 394
Public Works & Utilities Sub Commission
Electrical Section

20/12/44

Reference: 158/PWU

Subject : Industrial Power

To : HQ AAG 5th Army
APO 464 US Army

(48)

1. Reference is made to your 205/9 dated 8 Dec.44.

2. The provision of mobile generators for the starting up of small industries in Army areas has been taken up with [illegible], and we will communicate the result to you as soon as a reply has been received.

W.M. LAUTER Lt.Col.
Chief Electr.Division

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

FILE

Tel.489081
Ext 317

HEADQUARTERS ALLIED COMMISSION
A.P.O. 394
Public Works and Utilities Sub-Commission

LWL

55

Reference : 158/PWU
Subject : Electric Power Situation Lazio-Umbria Region

17 Dec. 1944

To : REGIONAL COMMISSIONER LAZIO-UMBRIA REGION
(Attention Regional Engineer)

1) - Reference your letter 12 Dec. 44 - R4/ENG/700 concerning Electricity Supplies Lazio-Umbria Region.

2) - As mentioned to you some time ago we shall be pleased to have a meeting to discuss any of your difficulties at your convenience.

3) - Suggest Wednesday 1500 hours at my office.

W.M.LAPPER
Lt-Colonel
Chief Elec.Div.

522

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

Società Romana di Elettricità

ANONIMA SEDE IN ROMA-VIA PO[illegible] 14

54

Roma 13 Dicembre 1944

RECEIVED
P.W. & U. S/C A.C.
13 DEC 1944 158

Egr. Ingegnere,

Come d'accordo le rimetto il rapporto reletivo ai numerosi guasti verificatisi nel periodo 8 - 11 corrente.

Quanto sopra perchè Ella sia perfettamente informato di quanto accade.

Voglia gradire i miei migliori saluti.

(Ing. Alessandro Lodolo D'Oria)

EGR. LOTT. ING. VINCENZO CALENDA
COMANDO ALLEATO
ROMA
Via Veneto

521

n.1 Allegato -

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

RECEIVED CT
W & U S/C A.C.
3 DEC 1944
158

Ministero dei Lavori Pubblici

Direzione Gen. Servizi Tecnici
Ispett.Gen. Elettricità Acqua-Gas n° 10K di prot.

Allegati vari

Oggetto Soc. Meridionale di Elettricità. Conti progressivi dei lavori di ripristino di impianti elettrici al 30-6-44

Roma 4 DIC. 1944 ore 7
52

Alla Società Meridionale di Elettricità - Via P.S. Imbriani 42 NAPOLI

e p.c.

Headquarters Allied Commission Subcommission Public Works and Utilities APO.394 - Via Veneto ROMA

Ispettorato Gen. per l'Elettricità-Acqua-Gas Napoli

Debitamente approvata dalla Commissione Alleata, rimetto a codesta Società una copia dei modelli AG/EL/2 relativa ai conti progressivi sino al 30 giugno 1944 dei lavori di ripristino dell'Ufficio principale di cotesta Società stessa (n°103); degli elettrodotti di cui ai numeri compresi dal 107 al 117 e di cui al n°133, nonchè delle sottocentrali e degli impianti elettrici compresi dal n°119 al n°130.

Mi riservo di fare ulteriori comunicazioni in ordine alla liquidazione dei lavori approvati.

L'ISPETTORE GENERALE
(M. Visentini)

s. Visentini

520

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

TRANSLATION

Rome, 4th Dec. 1944

MINISTRY OF PUBLIC WORKS
General Direction of
Technical Services
General "Ispettorato" for
Electricity, Water, Gas.

No.204
Several enclosures.

To: Soc.Meridionale di Elettricita'
Via P.E. Imbriani 42
NAPLES

and for the attention of:
P.W.& U. Sub-Commission,
Headquarters A.C. A.P.O. 394
Via Veneto
ROME

General "Ispettorato" for
Electricity, Water, Gas,
NAPLES

Subject: Soc. Meridionale di Elettricita'.
Consecutive bills for rehabilitating
electric plants, up to 30th June 44.

Duly approved by the Allied Commission, I send a copy of forms AC/EL/2 relating to the consecutive bills(up to 30th June 1944) for rehabilitating your Main Office (No.103); the power lines referred to in numbers 107 to 117, and in No.133, as well as the substations and electric plants in Numbers 119 to 130.

I will let you know more about the settlement of the approved works.

THE INSPECTOR GENERAL

(Signed: M. Visentini)

519

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

P W & U S/C A.C
13 DEC 158

Roma, 4 dicembre 1944

51

Alla Soc. Meridionale di Elettricità - Via P.E. Imbriani 42
NAPOLI

e p.c.
Headquarter's Allied Commission
Public Works and Utilities Sub-Commission - APO. 394 -Via Veneto
ROMA

Ministero dei Lavori Pubblici
DIREZIONE GENERALE DELLA VIABILITA' E DEI PORTI
XXXXXXXXXXXXXXXXXXXXXXXXXXXX
Direzione Gen. Servizi Tecnici

Div. 5ª
Sez. N.° 203 Allegati vari

Risposta al foglio N.° del

OGGETTO: Lavori di ricostruzione degli Impianti elettrici della Società "Meridionale di Elettricità" -

Debitamente approvati dalla Commissione Alleata si restituiscono a cotesta Società i modelli AC/EL1 relativi alle stime per la ricostruzione degli impianti elettrici di pertinenza della Società "Meridionale di Elettricità" contraddistinti dalla Commisisione stessa con i numeri progressivi da 133 a 137 SME incluso.

Alla suddetta numerazione cotesta Società dovrà fare sempre riferimento, sia per la compilazione dei modelli ACC/EL/2 relativi ai progressivi rendiconti da presentare mensilmente agli uffici locali del Genio Civile, per il rimborso delle spese sostenute, sia per ogni altra corrispondenza relativa ai singoli lavori.

A proposito del rimborso delle spese si avverte che dovrà essere disposto da cotesta Società un sistema di contabilità tale che le spese risultino in modo chiaro e possano essere prontamente esaminate dagli Ispettori della Commissione Alleata o del Governo Italiano.

I pagamenti mensili saranno sospesi allorchè sorgano dubbi circa la correttezza delle spese incontrate in qualsiasi mese.

Si resta in attesa di un cenno di ricevuta della presente lettera. 5/12

L'ISPETTORE GENERALE

p.s.

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

PWRU S/C

Gen+U 50

RECEIVED
P W & U S/C A.G.
11 DEC 1944
158 Cys

19.02/55

Electrical Power Rehabilitation

Adm. & Per. Div. - Economic Section 10 Dec 4

1. Reference
   a) Item (b) Daily Summary 4 Dec (1.34/ES)
   b) COS (Ref. 5406/36/COS) 29 Nov (19.02/ES)
   c) AFHQ Adm memo No. 45, 5 Oct 44, s/s.

2. Reference 1 b) requires draft of letter for Chief Commissioner's signature.

3. Request information as to action taken and use or file for study.

L. D. DENSMORE
Colonel, FA, CMO
Economic Section

cc: P W & U S/C

Lt Col Pappas

Return to file

Dec 4/a

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

Tel.317

HEADQUARTERS ALLIED COMMISSION
A.P.O. 394
Public Works and Utilities Sub-Commission

LWL/sc

494

Reference : 158/PWU
Subject : Photographs

14 Dec. 44

To : REGIONAL COMMISSIONER SOUTHERN REGION
(Attn Capt. Ryan through Regional Engineer)

1) - Attached copy of letter is forwarded for your information.

W.M.LAPPER
Lt-Colonel
Chief Elec.Div.

enclosures
copy of letter 13/12/44 - file 158/PWU

516

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

Tel.317 WML/ac

M E M O R A N D U M

Reference : 158/PWU 13 Dec. 44
Subject : Photographs

49A

To : Maj.E.J.BARRY
Maj.V.S.RENTON
Maj.R.A.BELL
Maj.L.G.PRICE
Capt.L.W.LAUGHLIN
Capt.TROMMERSHAUSEN
Capt.DURAN
Capt.VANNOY
Capt..H.J.ROSSON

Please note that I have arranged with Maj.HOWARD A.C. Liaison officer with P.W.B. tel. 489171 Ext. 203 Room 304 to send a photographer out with our officers to take any pictures (still or film) that we may require. Please let me know when you think any photographic records should be taken.

I think we should try and get at least one picture of each damaged station.

W.M.LAPPER
Lt-Colonel
Chief Elec.Div.

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

RECEIVED
PW & U S/C A.C.
13 DEC 1944 158

HEADQUARTERS ALLIED COMMISSION
APO 394
ECONOMIC SECTION

Tel: 558

BDN/rem

9.02/ES

13 December 1944

48

SUBJECT: Industrial Power Units

TO : Public Works & Utilities S/C

1. Reference to the attached communication from General Hume, (205/9) dated 8 December 1944. Will you kindly consider appropriate action?

2. If advisable to communicate with MTOUSA, kindly prepare communication for signature of Vice-President, Economic Section.

B. D. NASH, Maj. AUS
Chief, Adm. Div.
Economic Section

Attached
Communication from
General Hume

noted dsp 14/12

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

Economic 5356

9.02

HEADQUARTERS
AMG FIFTH ARMY
APO 464 U.S. ARMY

DMG/EEH/cpn
205/9
December 8, 1944

SUBJECT: Industrial Power.

TO : HQ, A.C. (Attention Chief Commissioner)

1. Due to the shortage of electrical energy in the army area there are many small industrial plants, olive presses and hospitals that are likely to be without power or light for some time to come unless some form of mobile power units can be secured and loaned to them until such time as power is available over the regular network.

2. The motors in most common use in this part of the country are three phase 50 cycle 220 volt. Any mobile gasoline or diesel driven generators suitable to operate such motors could be used to advantage in starting many small industries.

3. It is suggested that 30 such units with operating personnel be requested from MTOUSA for use in 5th Army Area by A.C., as many of these generators will continue in operation outside the army area as the rear boundary advances.

EDGAR ERSKINE HUME,
Brigadier General, USC.,
A.C. of S., G-5 Section.

Lt Col Rapper
Per discussion with Gen
Dec 16/44

514

Folio 56 refers

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

G.de CEF/gb

6131

54515

47

HEADQUARTERS
ALLIED MILITARY GOVERNMENT
LAZIO UMBRIA REGION
(Engineering Division)
APO 394

G RECEIVED
P W & U S/CA
13 DEC 1944 158

12 December 1944

TO : HQ. AC. (P.W.)

SUBJECT : Perugia Electricity

IN REPLY QUOTE : R4/ENG/[illegible] 700 (f)

Noted

1. A letter from 52 CRE E/8/4820 dated 10th December to P.C. Perugia states "After 16th November the NERO MONTORO station, near NARNI, with which CERVARA normally operates in parallel was cut off without warning". -

This resulted in two stations in PERUGIA being burnt out by overload. -

I am informed that cutting out of NERO MONTORO resulted in an overload on TERNI Coy necessitating an instant cut out this in turn threw the whole load on PERUGIA Stations without warning and resulted in two stations being burnt out permanently. -

After adjusting loads TERNI Company cut off on more than one occassion without warning resulting in a further 2 generators of UNES being partially burnt out.

Very serious lack of coordination.

2. Four important points arise:

(a) The allocation is made to the Military District and therefore prima facie they are the Controlling authorities.

I require definite confirmation of this - and a copy of such definition sent to the Military District so that there should be NO possibility of doubt in future.

(b) A letter CE 3034/1 dated 5 December 1944 was sent to AC HQ (attention Chief of Electrical Division) giving certain instructions.

This came to my notice on afternoon of 11th December when going into it with Prov. Commissioner Perugia. -513

Has AC.HQ. taken action on this if so what and through what

./.

HEADQUARTERS
13 DEC 1944
A. G.

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

channels ?

(c) GALLETO station was provided with 600 KW apparently without knowledge of CE District.

(d) Who gave the orders for this ?

(e) The Ammonia Works were connected and the TERNI Company stated they had some authority from AC.HQ. to do so. - Please send copy so that we can determine whether they were justified or NOT.

(f) I have instructed my representative to enquire into and report who was responsible for the gross lack of cooperation over cutting out NERO MONTORO <u>without notice.</u>

Roll Officers.

In order to assist in this can you inform me by whom and through what channels these orders were issued. -

The whole business shows a lamentable lack of coordination and in order to prevent a recurrence I request that the relative responsibilities be defined between AFHQ., Military District and AC.HQ. and Regional Engineer.

Lt.Col.R.E.
Regional Engineer
Lazio Umbria Region AMG.

Copy to:
Regional Commissioner Lazio & Umbria Region.

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

Tel. 843336

P W & U S/U H.Q.
13 DEC 1944 158

5469
JB/xm
6/15
46

HEADQUARTERS
ALLIED MILITARY GOVERNMENT
Lazio-Umbria Region

12th December 1944

TO : H.Q. A.C. Public Works & Utilities S.C.
(Att. Electrical Division)

SUBJECT : Electrical Services General

IN REPLY QUOTE : R4/ENG/700/12

The attached reports on the Electrical Situation in Terni, Rieti and Perugia are forwarded for information, and any action you think necessary.

For the Regional Engineer

F.W.L. [illegible]
~~Lieutenant~~
Electrical Officer

Enclosure: 5

A) Electrical Services General
B) Electricity Terni, Rieti and Perugia
C) Allocation of Electricity Supplies
D) Copy of Telegram
E) Electricity allocation

noted

HEADQUARTERS
13 DEC 1944
A. C.

511

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

RECEIVED
P W & U S/C A C
13 DEC 1944 158

G.de CEF/gb
U 2445

5468

45

HEADQUARTERS
ALLIED MILITARY GOVERNMENT
LAZIO UMBRIA REGION
(Engineering Division)
APO 394

12 December 1944

TO : HQ. AC. (P.W.)

SUBJECT : Electricity General.

IN REPLY QUOTE : R4/ENG/700

1. The functions as regards Electricity as between AF HQ and AC have been defined in A.F.HQ.AC-675-055 G.D.S.-O dated 18 October 1944.

The corresponding function between AC. and Region has never been so defined.

Could it be so.

2. The relative responsibilities that have so far evolved appear to be:

(i) A.C. (a) Responsible for all generation over 250 KVA
(b) Responsible for all HT Distribution Mains of 30,000 V and over

(ii) Region (a) Responsible for all generation under 250 KVA
(b) Responsible for Sub Distribution Mains
(c) Responsible for Records of Sub allocation
(d) Within the Region keeping balance between provinces and advising technically on Electrical loads.
(e) Generally supplying information to the Regional Commissioner on all Electrical Questions and advising within the Region as to Technical effects of New loads and when it will be possible to provide energy to a particular installation. There is a constant flow of such questions within the Region . -
(f) All Civil demands to be handled in the first instance by Provincial Commissioner who if satisfied as to their administrative necessity will demand (i) at present on Military (ii) Later if suballocations are made authorise Italian Civil Authority to correct copy to Regional Engineer. The representative of Regional Engineer periodically visiting Provincial Commissioners and reviewing corrected

HEADQ
13 DEC
A C

x made

510

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

loads and advising when requested to do so by Provincial Commissioner. -
(g) Keeping AC. posted on local conditions.

3. The Military Districts do NOT coincide with Regions and with the exception of ROME City where a definite allocation of Energy is made from the Grid we have no information as to what allocation of energy is at our disposal in the Region as a whole or in each Province. -

It could be much more satisfactory if a system could be evolved by which a Region could be told by each Military District what Energy was available for Civil use within their boundary.

If this could be done the way would then be prepared for eventually handing that over to the Italian Authorities and stating which services must be provided and leave the distribution of balance to them. - The services to be provided would of course include any Military Loads specified. and any priority Civil loads of Military importance.

The decentralised rationing control could than pass from Military Districts to Regional Engineer and eventually be passed by him to Italian Authorities. -

The control being through periodic inspection of connected loads to ensure a balance being kept within the region and by longer period conferms between AC(P.U.) and Regional E & M offices to enable AC (P.U.) to keep some balance between Regions.-

4. We at present get many orders from AC.HQ. to find electricity for services within the Region it is submitted that such demands should be served technically by Regional Engineer and NOT by AC(P.U.) as is done at present.

5. At present like with MAT 10 for materials there is no direct incentive to economise and an unsatisfied feeling that the other fellow is getting an unknown but always undue share. - We are in the DARK over it.

6. I suggest that these points might be discussed between your PU Staff officer and my Regional E & M officer to endeavour to arrive at a satisfactory definition of responsibility and perhaps by doing so avoid the companies being bothered by both AC. and Regions on the same questions.-

I wish to be present.

Col.R.E.
Regional Engineer
Lazio Umbria Region AMG.

Folio 55 refers

Tel.843336 JB/rm

8

HEADQUARTERS
ALLIED MILITARY GOVERNMENT
Lazio-Umbria Region
(Engineering Division)
APO 394

11th December 1944

Electricity Terni, Rieti and Perugia

1. The above mentioned areas are at present being supplied with power from the following Plants:-

Station	Output
Cervara	5700 KW
Jutificio	800 "
Acciaierie	1760 "

The 8.250 KW is the Peak output into the Terni System over 24 hours.

The Distribution of this Power as laid down by Major Rivett E & M Staff Officer N°1 District, Foligno, is as follows:-

Rieti	700 KW
Terni Steel Works	2000 "
Industrial Gasses(Terni)	1000 "
Interamna (Terni)	1200 "
Spoleto	1000 "
Foligno & Perugia	2500 "
	8400 "

It will be readily seen therefore that more Power has been allocated than is available, this, not including Transmission and Transformer losses which can be calculated at least 8%.

2. This unfortunate situation has been partially brought about by the complete output of the Nera Montoro Plant being switched to the Florence area and to increased civilian and military loads.

Prior to the switchover Nera Montoro was in paralel with the Terni grid and was supplying approximately 2500 KW. After the change-over the Terni Consumers continued to take the same loads and Perugia and Foligno suffered accordingly.

It was most unfortunate that an adjustment of loads in Terni and Rieti Areas was not made to compensate the loss to Perugia before

508

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

11th December 1944

Electricity Terni, Rieti and Perugia

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Spoleto	1000 "
Foligno & Perugia	2500 "
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Prior to the switchover Nera Montoro was in parelel with the Terni grid and was supplying approximately 2500 KW. After the change-over the Terni Consumers continued to take the same loads and Perugia and Foligno suffered accordingly. 508

It was most unfortunate that an adjustment of loads in Terni and Rieti Areas was not made to compensate the loss to Perugia before the switchover was made.

In addition, the military loads have increased in the Areas under discussion and the seasonal power requirements (ie) Olive Crop has considerably aggravate an already difficult position. It is estimated that the power required for the Olive Oil Presses, is at present, in the Region of 5000KW rising continuously to a Peak in January of 800 KW.

It has been suggested that Terni was taking the majority of available power but a very thorough investigation has been made by

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

the writer and of the 1.200 KW allocated to the Civ. the military are taking 300 KW and an additional 200 KW is being supplied to the UNRRA Coy to feed the small town of Acquasparta which waswithou Power or Lighting.

The work on the Galleto Station is also taking 600 KW for Air compressors, Workshops, Pumps, Oil heating and filtering etc., this also has to be supplied from the Terni System.

It is not surprising therefore that the supply of Electricity in the Spoleto, Foligno and Perugia Area is critical.

The allocations as stated in para(1) are 2.500 KW for Perugia and Foligno and 1.000 KW for Spoleto inclusive of civilian loads.

Military loads in Perugia are 1800 KW
" " " Spoleto " 850 "
" " " Foligno " not known

Hereunder are the average hourly loads sent on the Spoleto, Foligno, Perugia 30 KV line 1-7 Dec.

1.	3605	13.	1540
2.	3315	14.	1300
3.	3495	15.	2542
4.	3505	16.	2765
5.	3530	17.	2990
6.	3150	18.	2900
7.	3050	19.	2930
8.	2870	20.	3019
9.	2855	21.	2850
10.	2273	22.	2967
11.	1735	23.	2755
12.	1465	24.	3146

It will be seen that between 8AM and 4PM only a few KW reach Perugia.

There are, however, a few small generating plants which are supplying 1.000 KW into Perugia which helps but is not sufficient.

Action taken by the Electrical Officer Region IV since his arrival in the area has been as follows:-

(a) Disconnection of the Azonia Plant Nera Montoro 360 KW.
(b) Reduction of the Interamna Peak load from 2000 KW to 1500 KW.
(c) Disconnection of all non essential consumers in Perugia Foligno and Spoleto. ordered
(d) Rieti to keep within 700 KW. ordered
(e) Requested to A.C. and granted by them for the Steam Plant of Ciea Viscosa Rieti to be in operation for 15 days con-

Page 507

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(c) Disconnection of all non essential consumers in Perugia Foligno and Spoleto.

ordered

(d) Rieti to keep within 700 KW.
(e) Requested to A.C. and granted by them for the Steam Plant of Ciba Viscosa Rieti to be in operation for 15 days commencing 14 December.

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In addition meetings have been held with the Provincial Commissioners Rieti, Terni and Perugia aldo with Major Rivett No1 District, Capt.Spriggs Perugia and Capt.Rogers E & M Officer 52 Sub Area Perugia.

It was agranged the Capt.Spriggs and Capt.Rogers that the Power in Perugia would be used during the day as far as possible by the Military and during the night by Flower Mills, Olive Oil Presses, Pasta Factories etc.

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It is considered that very little else can be done to improve the situation for the next seven days and that the majority of the civilian and military needs are being given a very limited supply.

Declassified E.O. 12356 Section 3.3/NND No. 788019

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FILE

Tel.45903 1 Ext.317 HEADQUARTERS ALLIED COMMISSION LRL/ec
A.F.H.Q. 394
Public Works and Utilities Sub-Commission

43

Reference : 158/PWU
Subject : Log of Major R.A.Bell

11 Dec. 44

To : Lt.Col.W.M.LAWDER -Chief Elec.Div.
Reg.Com.Lazio-Umbria Region (Attn Regional Engineer)
Reg.Com.Toscana Region (Attention Regional Engineer)
P.B.S. Engineers (Attention Lt.Col.Cooley)
Provincial Commissioner - Terni (Attention Maj.Lee)
Hq. 5th Army A MG (Attention Capt.Gaither)

1) - Attached herewith is copy of the log of Maj.R.A.Bell for the period November 17th to December 8th inclusive.

W.M.LAWDER
Lt-Colonel
Chief Elec.Div.

505

1 enclosure

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HEADQUARTERS ALLIED COMMISSION
A.F.H.Q. 394
Public Works and Utilities Sub-Commission

L/G OF MAJOR R.A.BELL

November 17th - Terni

Conference with Cpl.Dry - MG set for Pian della Rocca being repaired to-day - ready for delivery to-morrow.

Conference with Director De Gasperi - the two forgings for ACSA ready December 1st, delay caused by changes requested by ACSA and the necessity for two bronze rings that must be made at another plant.

Conference with Lt.Simpson, 80th SE F - Fellonica Iron Foundry (ILVA) now producing 20 KW themselves (hydro) and making 6,000 stoves for P.W.B. They have been allotted 20,000 Kwh per month extra. To make steel rolls in addition they will need 50,000 Kwh per month total (200 KW max for 10 hrs day - night not possible). This is only warning and 80th SE F will let us know officially later. New part of Terni Steel Works desire to start operating - need s 3,000 KW additional (2,600 KW sheet mill, 1000 KW section mill). I notified Maj. Rivet who will take this up at next allocation meeting.

Called Maj. Barry. Pvt Craig to be here to-morrow to transport MG set to Col. Cooley. Starting this afternoon at 4 PM, total capacity of Mare Montero to be sent to Florence. I am to check Villa Valle and see that this is satisfactory.

Conference with Director De Gasperi. Eng. Angelini to report here Tuesday from Rome as new Director of electrical services. Notified Maj.Barry of this so that he could talk to him previously.

November 18th

Conference with Major Fricker regarding Terni situation. Work at Galleto is apparently not being retarded by the change of directors.

Conference with Director Buccelle and Director De Gasperi. All of Lardarello parts will be ready December 25th. Interema Company will hold meeting November 27th to select new director. This will probably be Angelini. Labor Commissions here are solely Socialist Terni workers (no outsiders) but they are heavily Communist. Eng.Segonti is working out very well as director of Galleto. Journey to Rome.

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November 19th

Conference with Major Berry. Informed to leave Terni political situation strictly alone unless work was hampered. This has been carried out in the past (only conferences with directors). Gave him list of officers possibly available to this Sub-Comission. Journey to Terni.

November 20th

Inspected Galleto. All parts of first group now at site, should be rotating in 10 days. Transformers ready in 3 weeks.

Allied soldiers were taking two flood lights away from Narnora (penstocks Papigno) for use at Prison Camps. Asked them to hold off until their requisitions confirmed by N° 1 District.

Twelve Italian guards at Cervara, not desired by Terni Company and are considered detrimental to workmen. Wrote note to Major Fricker to have them removed.

Voltage at Steel Mill 18 KV on 30 KV bus. This is overloading motors dangerously and causes operation in some instances. This is caused by heavy loads and removing Nera Montore from Terni grid. Called Maj. Renton. He is to discuss the problem with Lt.Col.Page and Major Rivet.

November 21st

Inspected 1100 KW unit at Jutifizio. Trouble with turbine regulator. Back on by Saturday. Journey to Rome.

Nov. 22nd

Conferences with Major Berry, Col.Cooley, Lt.Col.Page, Lt.Col.Lawyer and Major Renton. Truck needed for Lardarello for short period for hauling. 3000 KW unit at Lardarello wrecked itself.

November 23rd

Journey to Lardarello (Lt.Col.Cooley and Capt. Lovell there).

November 24th

Talked with Dr. Lisen. Asked that he have Count Gimori Contact me.

Visited Lardarello unit N° 3 destruction with Lt.Col.Cooley. Talked with operators etc. and read their reports, logs and statements. I am to get translations from Lt.Col.Cooley later. Eng.Ghezi to make out additional statement on his findings. There is a divergence of opinion as to whether the unit was paralleled or not at the time.

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2½ ton truck from Rome AC Hq. arrived.

November 25th

Conference with Count Ginori. Concerned over statement made by Capt. Lovell - desires that I talk with Prince Ginori. Arranged meeting to-morrow in Pesarence.

Received foregram from HC that Major Crowther would meet me here to-morrow.

AC truck went to Viareggio and returned with 3 tons of glass.

November 26th

Conference with Prince and Count Ginori in Pesarence. The Prince is acquainted with Maj. Lee, 5th Army ASC and is well informed of the going on at Lardarello. Major Lee has referred him o Lt.Col.Jenny and he plans to be in Rome 3 PM Wednesday (telephone Rome 43269). I will meet him in Lt.Col.Jenny's office at that time if possible.

November 27th

ACtruck started to Siena for bricks - unable to cross Cecina River - went to Follonica instead.

Conference with Ricorelli. Received schedule of completion of first group Castelnuovo unit, to operate March 1st. By sending two workmen to Terni to install stationary blades in casting now, two weeks can be saved on the total time of installation and if 900 KW unit at Lardarello can be used for "baking" transformer another two weeks can be saved (Attention Lt.Col.Cooley). Schedule also includes list of materials necessary to meet this date (Attention Major Price).

Received foregram from Lt.Col.Cooley to be in Siena 2 PM to-morrow for conference. Answered affirmatively.

November 28th

Journey to Siena. Conference with Lt.Col.Page and Capt. Lovell.

Met Lt.Col.Lamar and Major Barry. Called Lt.Col.Colley and Major Rector.

November 29th

Conference with Major Barry. Called Lt.Col.Cooley. Journey to Lardarello with Major Barry.

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November 30th

Journey to Leghorn and return.

December 1st

Inspected Castle nuovo.

Conference with Dr.Maumontai. Naptha for 7 ton truck needed urgently. CIF has asked for immediate payment of 1 million lire for transformer oil. 4 million lire payroll due. Only 2 million lire on hand. Dr. Maumontai to contact Maj. Lee for war damage form for loan.

Director Virgili arrived from Rome. Major Berry to Florence and return.

Prince Ginori desires conference to-morrow in Pomarance.

December 2nd

Major Barry to Rome. To send schedule of Castelnuovo work to Lt.Col. Cooley and Major Lee and have Major Price start on obtaining material.

Conference with Prince Ginori. He reported his conference with Lt. Col.Lepper, Lt.Col.Jenny, Major Mydans etc. He has one interest in the Saint Gobin Glass Factory in Pisa and has reason to believe that there is a relatively undamaged 1500 KW diesel electric plant in the wreckage (A ttention Maj.Lee). Eng. Marino Dalla Torre will be in Lardarello Tuesday or Wednesday for an inquiry.

AC truck returned to Rome with turbine blading and two workmen. Maj. Barry to arrange for their transport to Terni.

December 3rd

Inspected Castelnuovo with Director Virgili. He agrees that too much general work is being done and not enough concentration on the one units. This to be remedied immediately. The building is almost weather tight now and work will start on a 24 hour basis in about a week. Eng.Nuti had told me that Sunday work would start to-day (no workmen found on job).

December 4th

Journey to Florence with Director Virgili and return.

Conference with Major Lee. Permit for 3 ton truck at Lardarello must be renewed . Florence AMG has asked that it report to Florence per food hauling - Major Lee to handle. Gas, oil, naphta and grease for December put in November 2nd. I am to contact Pisa Province supply for this and other supply it

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Carbide will be released from ??? (Bosignano).

December 5th

Conference with Dr.Mamontini. Shoes and clothes necessary for workmen or they must by on black market. I am to take this up with Province Supply. Province has ordered Lordarello to report to Pisa with truck to pick up their portion of supplementary rations.

Captain Vannoy arrived with jeep.

December 6th

Inspected Lordarello with Capt.Vannoy. Journey to Rome.

Conference with Lt.Col.Lapsley - Region VIII Commissioner has been requested to investigate Lordarello (Italian State Railways has requested this). I am to be informed of date and sit in on proceedings.

December 7th

Conference with Maj.Benton. Gave Major Price schedule of Castlmezzo work with instructions to secure materials listed if possible. Journey to Terni. Conference with Lt.Butcher. Large motor burned out this morning in steel mill due to low voltage. Rolling mill will be out 10 days. Referred this to Major Benton with suggestion that small unit at Mere Montoro be put back on Terni grid.

Inspected Galleto - rotor inserted this afternoon.

December 8th

Conference with Col.Fry. 3000 KVA, 30/60 KV transformer at Ville Valle will be ready for operation in 10 days. Switches from Orte arrived this morning. 1st unit at Galleto will operate at 65 KV. 1st two transformers not possible to operate at both 60 and 150 KV. Second two will operate on both taps.

Called Major Benton. Ordered 20 Kg. animal fat for Galleto turbine packing (Maj. Price). One unit at Mere Montoro on Terni grid last night, off at 11 PM. Ordered back on to-day to stay. Voltage improved at Mere.

Inspected Lordarello unit - going well- will be ready on schedule. ACEA castings ready December 25th. Defect found in one of first forgings. 300

Director Angelini is now director of Interamna Co. in addition to being electrical director of Società Terni.

Conference with Director De Gasperi. Large casting for CastelMadama

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poured yesterday, cracked this morning, while cooling (due to mold being too rigid). This unfortunate incidents will delay job 20 days. Kendale, Kalisano and Tivoli jobs on schedule. Second group at Gallato may be delayed due to having to recast some pieces a second time. This is being investigated further.

It is important that we plan additional work (future) for steel mill so that they can make their plans (Attention Major Berry).

Journey to Rome.

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42

FOWIT

6060 1231115 ROUTINE

RESTRICTED

PARA ONE PD PERMISSION REQUESTED TO PERFORM THE FOLLOWING WORK AT ROYAL ITALIAN THERMAL TARANTO UNDER THE SUPERVISION OF COLONEL ITALO BATTIGELLI DIRECTOR OF CONSTRUCTION NAVAL AND MECHANICAL PD

PARIS TO FOWIT FROM HE ALOOM FOR JERRY SIGNED STONE CITE EIGHT ZERO SIX ZERO PARIS

PARA TWO PD BALANCE ONE ROTOR FOR SIX THOUSAND KILOWATT STEAM TURBINE FROM PARIS THERMAL STATION

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PUBLIC WORKS

614

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

AHS/ef

41

HEADQUARTERS ALLIED COMMISSION
AFO 394
TRANSPORTATION SUB -COMMISSION
RAILS.

RECEIVED
P.W. & U. S/C A.C.
10 DEC 1944 158

Ref.AC.Tn/E/I.S

Dec. 10th 1944

TO : Public Works Utilities
Sub Commission
Electrical Division

SUBJECT : Sagittario Power Plant.

23 refers

1. Reference repairs to above plant.

2. If the repairs are authorized to be carried out under your direction may I be favoured with a brief weekly report to reach this office each monday.

3. The report should give brief details of work carried out since last report, percentage completed and any remarks as to delays etc.

O.H.LINDBERG, LT.COL., R.E.
Tn SUBCOMMISSION
RAILS.

This will not be possible, but they will receive the monthly Report all the same.

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VSR/lam 39

Tel: 478906

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

6 December, 1944

158/PWU

Subject: Emergency Operation of Cisa Viscosa Electric Generating Station, Rieti.

To : Ministry of Public Works
(Att. Comm. Tizzano).

1. At the present time, a serious electricity shortage exists in Perugia Province with the result that electricity needed for the pressing of olives is unavailable. It is believed that the only immediate solution of this problem is to operate the Cisa Viscosa electric generating plant, at Rieti, during the present emergency. This plant could be run to supply part or all of the electricity requirements of Rieti, and would thereby make a corresponding amount of energy available in the Perugia area. The present demand of Rieti and vicinity is about 800 kilowatts.

2. It is therefore strongly recommended that you make the necessary arrangements for the operation of this plant during the present emergency.-

W.M. LAPPER
Lieut-Colonel
Chief Electrical Division.

CC. Regional Commissioner
Umbria - Lazio Region,
(Att. Regional Engineer)

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

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Tel: 478906

VSR/lam

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

157
966/PWU

4 December, 1944

Subject: Electricity Generation and Consumption in Terni Area

To : C.C. No. 1 District.

With reference to your letter file C.E. 3340/3 dated 9 October 1944 transmitted herewith is a copy of a tabulation showing "Generation and Distribution Terni System" during the week November 19th-25th. -

W.M. LAPPER
Lieut - Colonel.
Chief Electrical Division

Enclosure: 1 tabulation

Copies to: D.W. A.A.I. Att. Lt.Col. A.W. Page
Lazio Region - Att. Elect. Officer.

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TERNI AREA GENERATION & CONSUMPTION

Week from 13 November to 25 November 1944

Generation			Distribution		
Plant	Max Peak kw	KW-hr	Plant	Max Peak kw	KW-hr
Cervara	6.200	823.716	Papigno Carbide	1.520	147.480
			Terni Steel Work	2.776	199.090
Spoleto	180	34.236	N.Montoro Ammonia	500	48.940
			Spoleto cement and mines	1.100	118.146
Steel Works	485	63.760	Auxiliary Service	90	12.800
			Spoleto	2.550	180.314
Work	1.500	211.500	Rieti	750	134.744
			Nera Montoro	880	113.110
			Valnerina	50	14.320
N.Montoro	4.200	1.922.780	Interamna City	1.366	254.248
			Town	440	47.920
Jut. Factory	900	9.000	Elect.Furnaces	150	8.664
			Cisa Viscosa Textiles Rieti	35	15.690
			Soc. Florence	12.600	1674.800
			Sini Hydrogen Plant	710	13.000
				-	494
TOTAL	3.064.992		TOTAL	2.983.374	

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O n 37

I.M.

Tel.489081 - Ext.317

HEADQUARTERS ALLIED COMMISSION
A.P.O. 394
Public Works and Utilities Sub-Commission

4 Dec. 44

Reference : 158/ /PWU
Subject : Lardarello Electrical Plant

See folio 35
6 pages

To : REGIONAL COMMISSIONER TOSCANA REGION
(Attention Regional Engineer)

1) - As you are aware this Sub-Commission is charged with the task of rehabilitation of all electrical power facilities throughout Italy, and included in this is the Lardarello Natural Steam Plant on which we have been working for some time.

2) - Our contacts with the technical staff at the Lardarello Works were excellent and good progress was being made in the rehabilitation of the plant until quite recently when matters beyond out control and our sphere of operation have caused a difficulty to arise in our relations with the Company.

3) - The Lardarello Company is owned partly by the State Railway and partly by the Ginori Family the ratio being I understand approximately 70% State Railway 30% Ginori Family.
Principe GINORI CONTI - Villa Boscobello 22 Via di Cancrata Firenze is the principle partner for the Ginori Family.

4) - The State Railway it appears took up shares in the Company in about 1938 and arranged for two of their engineers Eng.VIRGILI and Eng.MICARELLI to be at Lardarello to control the concern in conjunction with the Ginori's.

5) - The whole of our relations have been with the two Engs VIRGILI and MICARELLI They have been of great help and are first class Engineers, but the Ginori's have now appeared and give us to understand that they do not agree with the State Railway Engineers' methods.

6) - So far as we are concerned we can only be interested in the best and quickest way in which the electrical plant can be put back into operation. But we are convinced that a definite delay is taking place due to the internal friction between the State Railway officials and the Ginori Family.

7) - Attached is some subject matter dealing with the situation :
(a) - Report by Ginori brothers dated 29 Nov. 44 handed in at this office with a request that an investigation be made by Allied Commission.

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(b) - Letter dated 28 Nov. 1944 - Ref. 7/18/25365/E.6AI received from the Director General, State Railways Ministry of Communicatio ns Dept. asking for an investigation.

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8) As this matter is of a political nature it is being passed to you with a request that an inq iry be held at an early date so as to avoid any further delay in the rehabilitation of the electrical plants the output of which is urgently required to meet the military demand.

9) - It is requested that I may be informed of progress so that arrangements can be made for my officers to attend the inquiry if you consider this to be necessary.

L.A.JENNY
Lt-Colonel, C.E.
Director

2 enclosures

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

Tel.489081

HEADQUARTERS ALLIED COMMISSION
A.P.O. 394
Public Works and Utilities Sub-Commission

WEL/ac
36

2 Dec. 44

Reference : 152/ /PWU
Subject : Rehabilitation of Electrical Plants
To : DIRECTOR MILITARY RAILWAY SERVICE (Italy)

1) - The Allied Commission - Transportation Sub-Commission - has submitted to us a copy of their letter Ref. AC Tn/S/13 dated 24th Nov. 1944 addressed to the Electrical Reconstruction Committee (Italy) a copy of which was also submitted to you.

2) - For your information the Electrical Division of this Sub-Commission is charged with the duty of rehabilitation of electrical generating plants and transmission lines throughout Italy, Sicily and Sardinia and the Electrical Reconstruction Committee will no doubt agree to the recommendation contained in the above letter.

3) - A very close liaison is maintained with the D.M. A.A.I. through Lt.Col.Page the E & M Officer on his staff so that all work carried out in the forward area is arranged to fit in with the general scheme of rehabilitation.

4) - For your further information a copy of AFHQ memorandum Nº 45 is attached. This memorandum sets out the functions of the services involved including that of the Electrical Reconstruction Committee (Italy) of which the Chief of the Electrical Division of this Sub-Commission is the member for Allied Commission. Capt.Laughlin of this Sub-Commission is the Secretary to the Committee.

5) - As portions of the Railway services are handed over by you to the Allied Commission it will now fall to the Electrical Division of this Sub-Commission to be responsible for the rehabilitation of the State Railway Power Plants and transmission lines in addition to the work now being carried out on the Italian Electrical System.

6) - At this stage and in order that there may be no conflicting of interests particularly in the use of available materials and use of Railway Transmission Systems for electricity supplies it is requested that a meeting be held at which our respective engineers could exchange views and arrange for future liaison.

W.M.LAPPER
Lt.Colonel
Chief Elec.Div.

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Enclosure :
Memorandum Nº 43

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MINISTERO DELLE COMUNICAZIONI
FERROVIE DELLO STATO
LA DIREZIONE GENERALE

Roma 28 - 11 - 44

N° L.7/18/25365/E.6A1

RICEVUTO 1 DIC 1944 N°

AILIED COMMISSION

Col. J E N N Y

DIRECTOR OF SUB COMMISSIONE PUBLIC WORKS & UTILITIES

R O M A

Ho ricevuto dagli ingegneri Virgili e Micarelli copia del rapporto in data 14 Novembre da loro fatto al Sig. Maggiore R.A. Bell Officer in charge della Società Larderello per la ricostruzione degli impianti elettrici.

Da esso risulta confermata l'opera di sobillazione del personale, impiegati ed operai, che si sta da tempo compiendo contro i due rappresentanti di questa Amministrazione nella Società Larderello, ingegneri Virgili e Micarelli, opera che porta di conseguenza ad un minore rendimento del lavoro di ricostruzione.

Da parte mia sto interessandomi perchè venga posto termine allo stato anormale in cui si svolge il funzionamento della Direzione della Società dati i preminenti interessi di questa Amministrazione nella Società stessa.

Nella grave crisi che il paese attraversa, si rende necessario far cessare l'opera che si va svolgendo da esponenti del passato regime. Ciò nell'interesse dello sforzo bellico per condurre vittoriosamente a termine la guerra. Rappresento la opportunità che da parte della S.V. siano svolte indagini sulle cause che hanno determinato questa incresciosa situazione e porvi riparo al più presto.

IL DIRETTORE GENERALE
Ludi Kasimirski

/92

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

Giovanni Ginori Conti Vice Presidente
Dottore in Chimica Direttore Generale

Ludovico Ginori Conti Vice Direttore
Generale
Consigliere Anziano

Ing. Guido Mazza. — Finsider

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Giovanni Giolitti

Luigi Bonicelli — in

Ing. Musi —

Dr Lenzi —

Ing. Genocai. —

1. [illegible]

2. [illegible]

3. [illegible]

4. [illegible]

5. [illegible]

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

/ce

Rapporto sulla visita del Cap. Lowel a LARDERELLO
nei giorni 16/17 Nov.1944

Nei giorni 16/17 Novembre si è recato a Larderello il Capitano Lowel, accompagnato dal Dott.Mannozzi, Direttore Amministrativo della Società Larderello.

Viene riferito che il Cap. Lowel parlando alla Commissione operaia - servendosi come interprete del Dott. Mannozzi - ha detto che se gli operai non sarebbero stati tranquilli, avrebbe provveduto a chiudere gli stabilimenti facendo, se necessario camminare la Centrale con tecnici o soldati alleati.

Recandosi poi a SERRAZZANO, sempre col Dott. Mannozzi, ha parlato agli operai dello stabilimento. Questi riferiscono che egli ha detto che i Ginori sono dei capitalisti e dei fascisti che non si occupano degli interessi degli operai, ma pensano ai loro divertimenti e che non si deve ascoltare quanto da essi detto.

ed. fine dact.

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

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13-8

AFHQ

HQ ACC

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RESTRICTED

ROUTINE

PUBLIC WORKS

RESTRICTED PD REF YOUR FOX FOUR ZERO TWO ONE TWO OF SEVENTEENTH PD REPAIRS TO DIESEL ENGINES SAN PAOLO NOT YET RESTORED PD PARA 2C AFHQ FOR HACKED FROM HQ ACC FOR ENGRS SIGNED STONE CITE FIVE TWO ONE ONE PARA OPERATIONALLY VITAL THAT FRANCO TOSI MEN REMAIN FOR FURTHER PERIOD OF TWO MONTHS PD REQUEST YOU GIVE AUTHORITY

G.E.Rhodes

487

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

I O

18 OCI Mood O C/EL

RESTRICTED

NOV 4

8291

ACC

AFHQ SIGNED SACMED
F40212

ROUTINE
CITE FHGEC

OCT 1719444

RESTRICTED. By arrangement with Commander in Chief Mediterranean employees of Firm of FRANCO TOSI of TARANTO were loaned on [redacted] Sept for period 3 to 4 weeks to assist in repair of diesel engine in SAN PAOLO power house ROME. (5) men were originally requested for this work being named VIGNATI, FURETTE, CUSPI, MAZZA and MAURI and (4) of them were actually sent. The (5) men have not yet returned to TARANTO and are urgently wanted there. Request you ensure their immediate return and signal ETA.

FOR INFORMATION ONLY

Dist

Action - ~~Industry SC~~ (2)
Info - A/CC
Econ Sec
Navy SC
File (3)
Float

HEADQUARTERS
19 OCT 1944
A. C. C.

ACTION

Attc Centrale Elett di Roma - S Paolo

EK 19-10-44

RESTRICTED

OOI 172135A

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

ALLIED COMMISSION

OFFICE OF THE HEADQUARTERS COMMANDANT

2333
158 of
HQC/6/3

FILE No. HQC/6/3

SUBJECT: Portable generating equipment.

15 November 1944

TO: Director, Public Works & Utilities Sub-Comm.
(ATTN: A/Director, Electrical Division).

Your letter 158/ /PWU, dated 13 Nov 44 is acknowledged.

It certainly would be of great assistance if such a scheme could be introduced to this Headquarters.

There will be no difficulty in furnishing the necessary gasoline and lubricating oil for such equipment, but it is impossible for this Headquarters to procure any of the necessary fuel if this generator is driven by Diesel Engine. Regarding the personnel, there would be no difficulty in procuring competent operators and perhaps you would be in a position to engage such personnel and they could then be paid on the payroll of this Section.

Lt Col Rayfield
Per dictation with our
Ltr 15/11 PWU

H. H. Robertson Lt.Col.
H. H. ROBERTSON
Hq. Commandant.

485

Charles Fl Fenwick

STATO MAGGIORE GENERALE
S. I. M.

P.M. 151,11 ottobre 1944

N.561/Z/4 di prot.

OGGETTO : dighe.

AL G. 2 (I.C.S.S.) A. F. H. Q.

****

In relazione alla richiesta del Capitano Hird si comunica:

1) - Le 3 dighe del Moncenisio sono situate sul perimetro del lago: 2 agli sbocchi Sud-Est del lago e la terza sul lato Nord lungo la strada nazionale.

La capacità totale del lago é di 31.900.000 mc. e corrisponde all'altezza della diga ad arco (25,2 m.).

Le capacità indicate per le altre 2 dighe (26.700.000 mc. per la diga rettilinea in calcestruzzo e 7.730.000 mc. per la diga in terra) corrispondono alla quota parziale di invaso interessata dalle dighe stesse.

2) - Si riportano i dati delle quote di variazione mensili del livello del lago nel 1939:

gennaio	1914	febbraio	1912	marzo	1909	aprile	1905
maggio	1907	giugno	1908	luglio	1913	agosto	1915
settemb.	1917	ottobre	1917	novemb.	1917	dicemb.	1917

Occorre tener presente che la capacità massima d'invaso del lago (31.900.000 mc.) corrisponde alla quota 1921 del pelo del lago.

3) - Il lago alimenta direttamente la prima centrale (Gran Scala - n.17) che é in serie con la seconda (Venalzio - n. 18) e la III (Mompantero n.19).

La seconda dispone oltre che dell'acqua della prima di 2 piccoli

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

O G G E T T O : dighe.

AL G. 2 (I.C.S.S.) A. F. H. Q.

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1) - Le 3 dighe del Moncenisio sono situate sul perimetro del lago: 2 agli sbocchi Sud-Est del lago e la terza sul lato Nord lungo la strada nazionale.

La capacità totale del lago é di 3I.900.000 mc. e corrisponde all'altezza della diga ad arco (26,2 m.).

Le capacità indicate per le altre 2 dighe (26.700.000 mc. per la diga rettilinea in calcestruzzo e 7.730.000 mc. per la diga in terra) corrispondono alla quota parziale di invaso interessata dalle dighe stesse.

2) - Si riportano i dati delle quote di variazione mensili del livello del lago nel I939:

gennaio	I9I4	febbraio	I9I2	marzo	I909	aprile	I905
maggio	I907	giugno	I908	luglio	I9I3	agosto	I9I5
settemb.	I9I7	ottobre	I9I7	novemb.	I9I7	dicemb.	I9I7

Occorre tener presente che la capacità massima d'invaso del lago (3I.900.000 mc.) corrisponde alla quota I92I del pelo del lago.

3) - Il lago alimenta direttamente la prima centrale (Gran Scala - n.17) che é in serie con la seconda (Venalzio - n. I8) e la III (Mompantero n.I9).

La seconda dispone oltre che dell'acqua della prima di 2 piccoli serbatoi uno al lago Alpone - Sh. 55/4846- di I00.000 mc.(altezza della diga 9,30 m.) e l'altro a S.Nicolao - Sh.55/4749 - di 50.000 mc.in cor

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rispondenza allo scarico della centrale n.17 (altezza della diga 9,50 m.).

4) - Lo scarico della centrale di Venalzio viene immesso in un bacino di decantazione di 30.000 mc. adiacente alla centrale - Sh.55/514428 - (fra il fabbricato della centrale e la strada Susa-Novalesa).

Da esso parte un canale che riporta l'acqua nel Cenischia dove a mezzo di una traversa l'acqua viene immessa in galleria e scaricata nella centrale di Mompantero (n.19) Sh.55-551406.

5) - La rottura delle due dighe in calcestruzzo del lago del Moncenisio come pure la rottura della condotta forzata della centrale di Venalzio (H = m.1096) mentre potrebbe avere conseguenze gravi, sebbene di breve durata, lungo la Val Cenischia e alla confluenza con la Dora Riparia, non avrebbe conseguenze apprezzabili sul livello del Po e sui ponti di barche nel medio e basso Po.

6) - Per l'eventuale azione di partigiani si unisce uno schizzo rappresentante la disposizione degli scarichi della diga principale (ad arco). Si fa presente che la rottura degli organi meccanici di comando dopo l'apertura dello scarico di fondo della diga permetterebbe di vuotare completamente il lago senza causare danni a valle. La riparazione del comando sarebbe sempre un'operazione di durata tale da conseguire il raggiungimento dello scopo su indicato, nonché quello di una notevole riduzione della produzione delle centrali n. 17 e 18.-

IL COLONNELLO CAPO SERVIZIO.
(Pompeo Agrifoglio)

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9,50 m.).

4) - Lo scarico della centrale di Venalzio viene immesso in un bacino di decantazione di 30.000 mc. adiacente alla centrale - Sh.55/514428 - (fra il fabbricato della centrale e la strada Susa-Novalesa).

Da esso parte un canale che riporta l'acqua nel Cenischia dove a mezzo di una traversa l'acqua viene immessa in galleria e scaricata nella centrale di Mompantero (n.19) Sh.55-551406.

5) - La rottura delle due dighe in calcestruzzo del lago del Moncenisio come pure la rottura della condotta forzata della centrale di Venalzio (H = m.1096) mentre potrebbe avere conseguenze gravi, sebbene di breve durata, lungo la Val Cenischia e alla confluenza con la Dora Riparia, non avrebbe conseguenze apprezzabili sul livello del Po e sui ponti di barche nel medio e basso Po.

6) - Per l'eventuale azione di partigiani si unisce uno schizzo rappresentante la disposizione degli scarichi della diga principale (ad arco). Si fa presente che la rottura degli organi meccanici di comando dopo l'apertura dello scarico di fondo della diga permetterebbe di vuotare completamente il lago senza causare danni a valle. La riparazione del comando sarebbe sempre un'operazione di durata tale da conseguire il raggiungimento dello scopo su indicato, nonché quello di una notevole riduzione della produzione delle centrali n.17 e 18.-

IL COLONNELLO CAPO SERVIZIO.
(Pompeo Agrifoglio)

483

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1911

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

DIGA CURVILINEA "MONCENISIO"

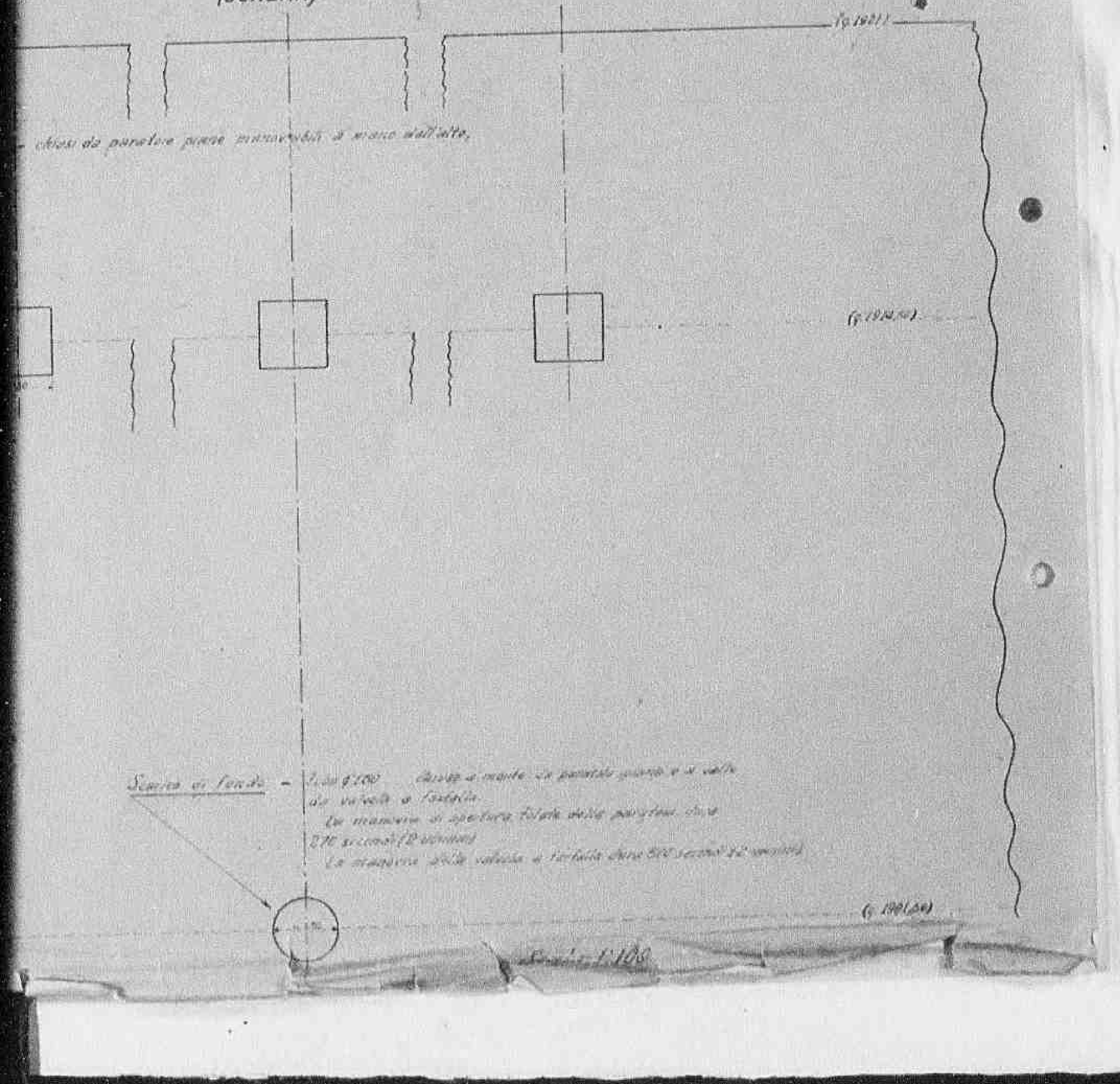
(SCHEMA)

287

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

DIGA CURVILINEA "MONCENISIO"

(SCHEMA)



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

Tel.317

M E M O R A N D U M

Ale

8 Dec. 44

LPL/ac

31

Reference : 158/PWU
Subject : Repair hydro-electric Plant Sagistorie

To : TRANSPORTATION SUB-COMMISSION, A.C.
From : P.W. & U. Sub-Commission

22

1) - Reference letter 24 Nov. 44 - tn/S/15.

2) - Public Works and Utilities S.C., A.C. is agreeable to accepting the responsibility for supervising the repair of the above plant.

3) - Any confirmation action necessary on the part of the E.R.C. committee will be taken at their next meeting.

4) - Since the Electrical Division of Public Works & Utilities S.C. A.C. is charged with the responsibility of all planning on electrical rehabilitation it is suggested that all matters of a similar character be referred to them directly.

L.W. LAUGHLIN
Captain, S.A.
Secretary
Elec.Recons.Com.Italy

481

cc : M.R.S.
cc : P.W. & U. ELEC. DIVISION A.C.

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

CONSORZIO
FORZE IDRICHE TEVERE
COFIT

30

Prof. TREVES
AVV. MATTOLI

The Consorzio Forze Idriche Tevere (COFIT) (Consortium Hydraulic Forces of Tiber) - constituded on a basis of parity between Società "TERNI" and Società Impreses Centro Italia (S.I.C.I.), which acts as representative of others important industrial concerns - has drawn up a project of utilisation of the waters of medium Tiber in connection with the waters of the Roman Lakes (Vico, Bracciano and Bolsena) and of the Torrent Chiani: the relative request of concession, addressed to the Ministry of Public Works on 20th May 1942, has been immediately admitted to the preliminary proceedings, meeting the most favourable approval.

Such a project - which complies in the main with the conclusions reached in this matter by a special Ministerial Commission - has been settled by a qualified group of technicians, who has also taken into consideration the most important, ancient and recent, studies on the matter. As explained in the annexed note, the project foresees:

a) - a production of energy for a total amount of kWh 901.200.000, equivalent to 865.510.000 kWh of continuous normal energy;

b) - the construction of artificial reservoirs in the lakes of Vico, Bolsena and Bracciano, with the aim of accumulating energy to be utilised in years of particular deficiency and for a total amount of kWh 956.000.000;

480 ./.

See Booklet in separate envelope in cupboard

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

c) - the direct irrigation of 39.400 hectares of ground up river (relatively to Rome), with the possibility of irrigation for others 58.000 hectares down river.

As for the expenses inherent to the whole project, an estimated cost of 2.128.708.000 £it. has been drawn up in the spring of 1942.

We have reason to believe that the qualified offices of the Ministry of Public Works consider this project as corresponding to national necessities and therefore worthy of a swift - however gradual - realisation. This realisation appears to be particularly urgent for those plants which unite to the production of energy and to the irrigation of large parts of ground near to Rome the defense of the town from the danger of flood: a large amount of work will besides be ensured to a good deal of workers, with happy consequences of political and social character.

In sight of the serious problems of contingent character, prospected by the destruction, due to the war, of great part of the italian hydroelectric plants, the Management of COFIT expected till now to call the attention of the Allied Commission on this project. But the right time for the preliminary study of such an interesting problem appears to be come and therefore the Management of COFIT considers it its duty, to put itself at

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

disposal of the Allied Commission for every information apt to point out the goodness of the work and the opportunity to hasten its realisation .

Rome, 6 December 1944

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

P.W+V 4808

HQ ALLIED ARMIES IN ITALY

Tel : MILPOT 311

21 Gp/DW

3 Dec 44

29

Subject : Electricity Supply.

C.G., 5th Army (for AFW Brit Inc.)

Copy to : C.E., 1 District (With copies of Drwg).
(For Info) 75 C.E.E. Works -do-
HQ, AC, APO 400. -do-

RECEIVED P.W & O. SECTION 5 DEC 1944 158

(1) Herewith Drwgs 1680 E & M, 1681 E & M, 1682 E & M and 1683 E & M showing circle diagram for the power lines as constructed in accordance with our Drwg No. 1673/E & M, phase I, II and III.

(2) It will be seen that with the present system it is doubtful whether more than 8,500 KW can be transmitted to FLORENCE at a receiving voltage not exceeding 25 KV and a lagging P.F. of 0.9

(3) With a capacitance at FLORENCE of 2250 KVAR, it will be seen that the receiving voltage can be raised to 30 KV with the same load and P.F.

(4) It is understood that 75 CES Works is preparing schemes for installing condensers at FLORENCE and also an alternative scheme whereby synchronous motors in the Treasury workshops can be used and run as synchronous condensers. Any details please be forwarded at an early date to assist our future planning.

HEADQUARTERS 5 DEC 1944

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

Lt Col Ropner
Rec'd 6/12

Encl.

AWF/COH

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

DRAWN DW L.F.G. 22.5.45
CHECKED
APPROVED DWG. DW
DRAWING No. DWG AT 1850/E&M

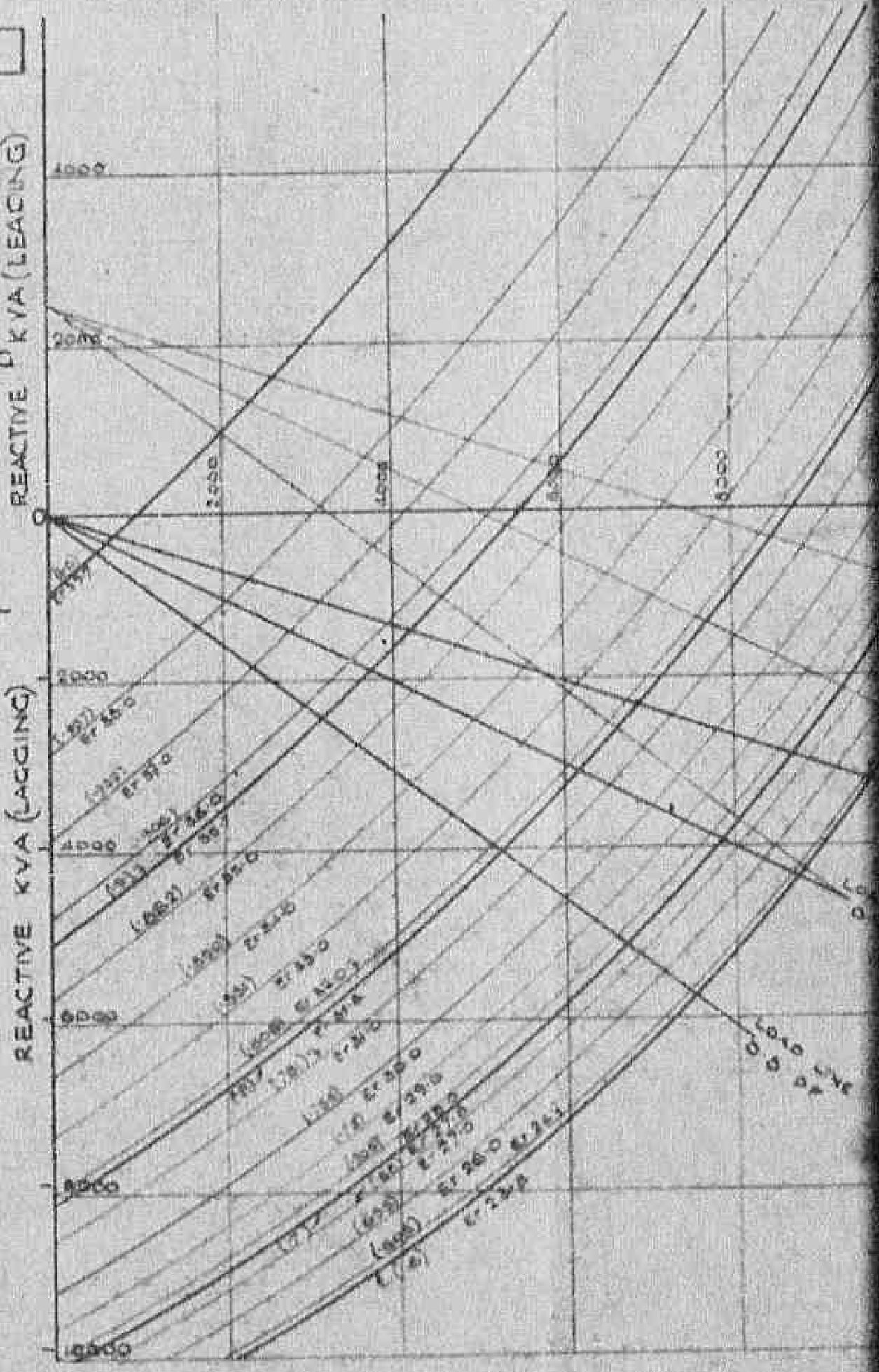
POWER CIRCLE FOR LINE NERA MONTORO TO EMA.
NERA MONTORO TO CASTELNUOVO 50 SQ MM. CU. SPACING 2 METRES 95 MILES
CASTELNUOVO TO TAVARNUZZE (DOUBLE) 45 SQ MM. CU SPACING 1·1 METRES 17·5 MILES
TAVARNUZZE TO EMA (DOUBLE) 78 SQ M M. CU SPACING 1 METRE 2·88 MILES. 12000 KVA TRANSFORMER 60·8/36 KV AT CASTELNUOVO ALLOWED FOR

Es 67000 VOLTS TEMP 50°C FREQ. 50

EFFECT AT EMA OF LINE CONDENSERS AT VARLUNGO CAN BE OBTAINED FROM TABLE (EFFECT OF LINE EMA-VARLUNGO 6000 KVA 36·8/10 KV TRANSFORMER & 2500 KVA 10/5·5 KV TRANSFORMER AT VARLUNGO TAKEN INTO ACCOUNT)

CONDENSERS AT VARLUNGO	EQUIV. CONDENSERS AT EMA
2500	2440
2250	2194
2000	1950
1750	1706
1500	1463
1250	1219
1000	975
750	731
500	488
250	244

NOTE: READINGS FROM DIAGRAM ARE LOW AS PART OF LINE NERA MONTORO TO CASTEL NUOVO CONSISTS OF 67 SQ. M.M CU CONDUCTOR
FIGURES IN BRACKETS DENOTE RATIO $\frac{E_r}{E_s}$



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

1880 E&M

RO TO EMA.
M CU SPACING

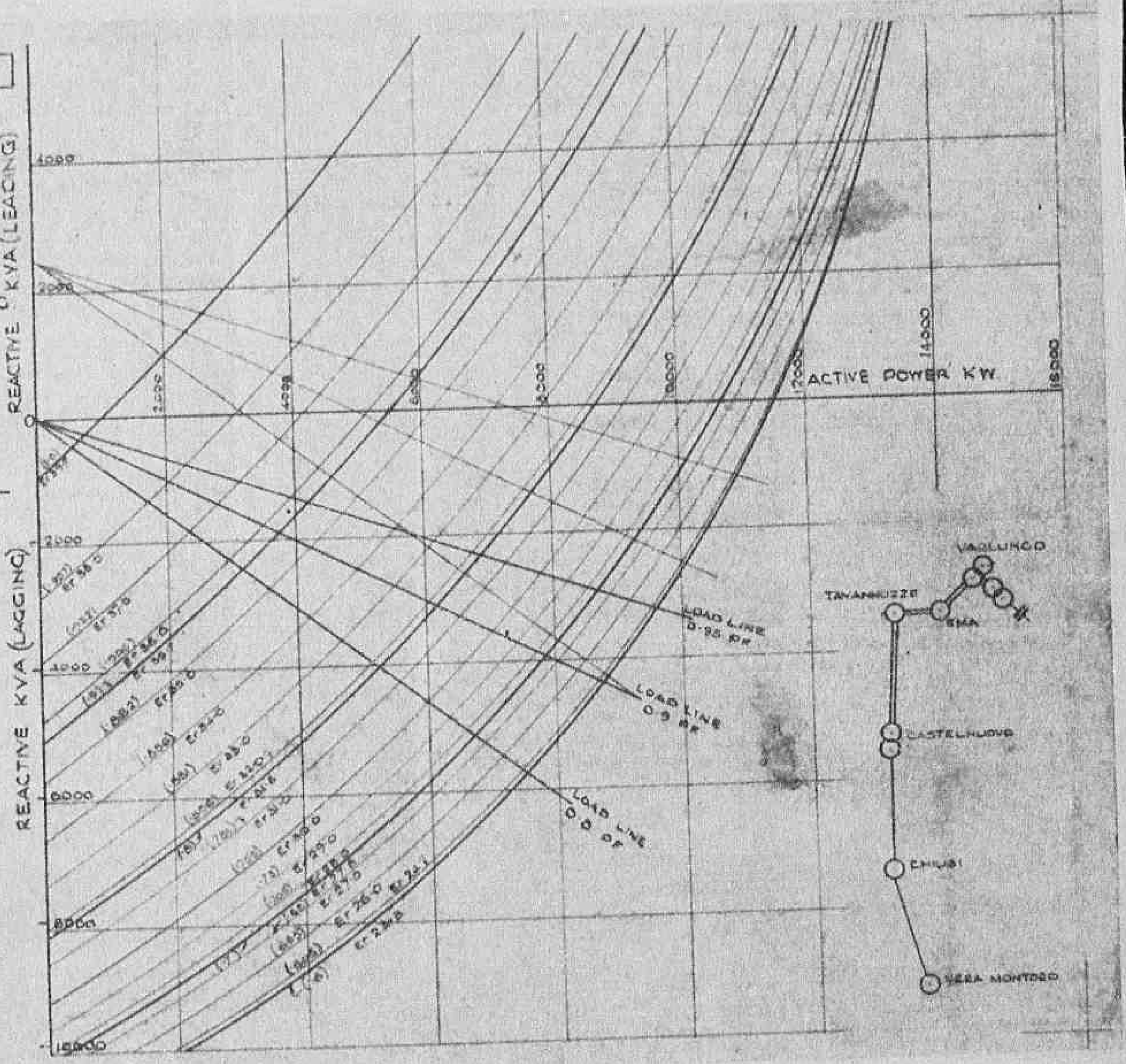
) 45 SQ MM.

M CU SPACING
FORMER
FOR

50

T VARLUNGO
OF LINE EMA-
NSFORMER &
AT VARLUNGO

OW AS PART
O CONSISTS OF



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

DRAWN BY L.P. CHECKED BY	APPROVED	DRAWING No. D.W.A.A.	No. 1881 E&M

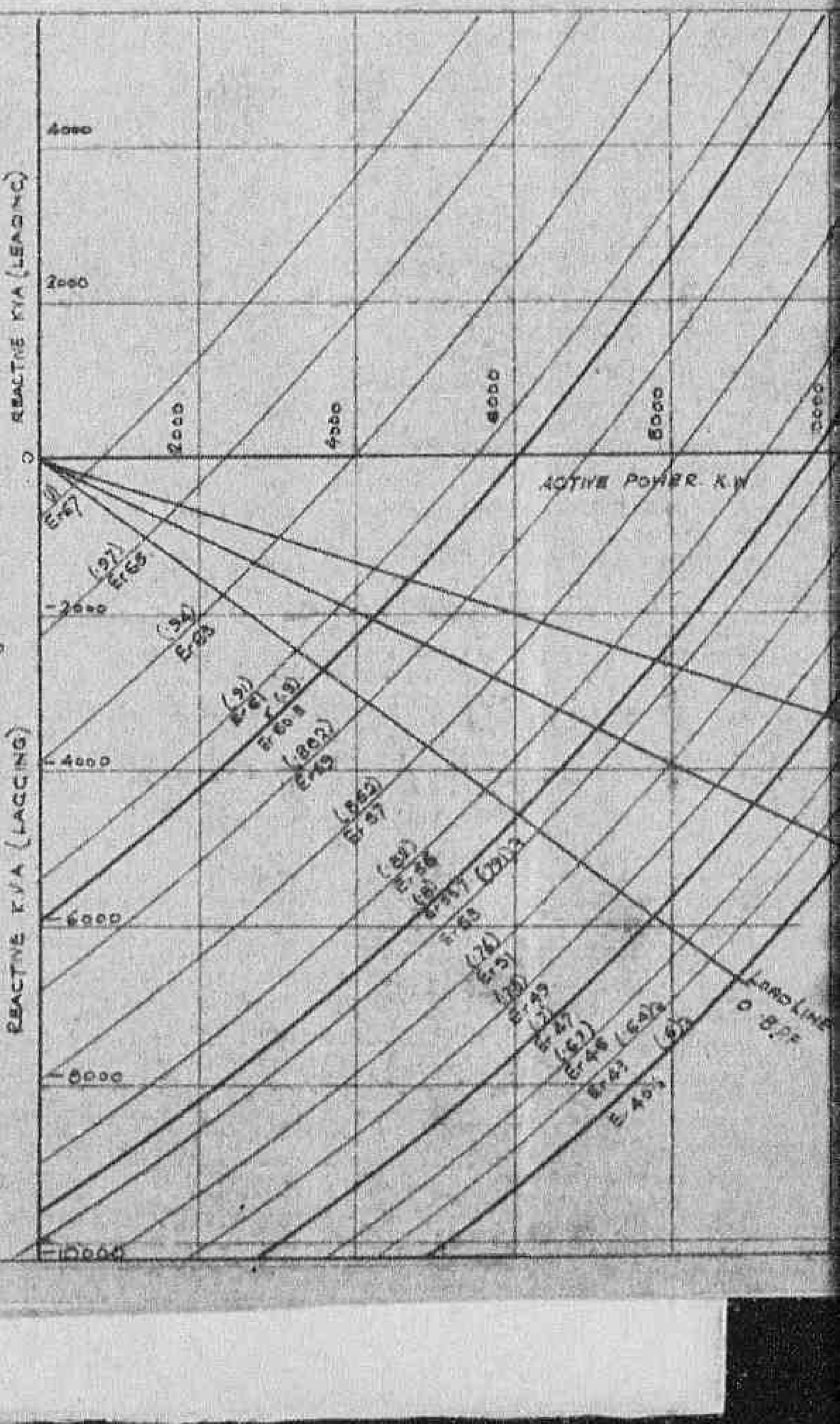
POWER CIRCLE NERA MONTORO TO REFREDI.

NERA MONTORO TO CASTELNUOVO 50 SQ MM. CU.
SPACING 2 METRES 95 MILES
CASTELNUOVO TO PORCELLINO 100 SQ. MM. CU.
SPACING 2 METRES 2·81 MILES
PORCELLINO TO TAVARNUZZE 100 SQ MM. CU.
SPACING 6·15 METRES 18·1 MILES
TAVARNUZZE TO REFREDI S.C.A. 18G 23 SQ MM.
(100 SQ M M CORRESP CU) SPACING 6·5 METRES.
7·7 MILES.

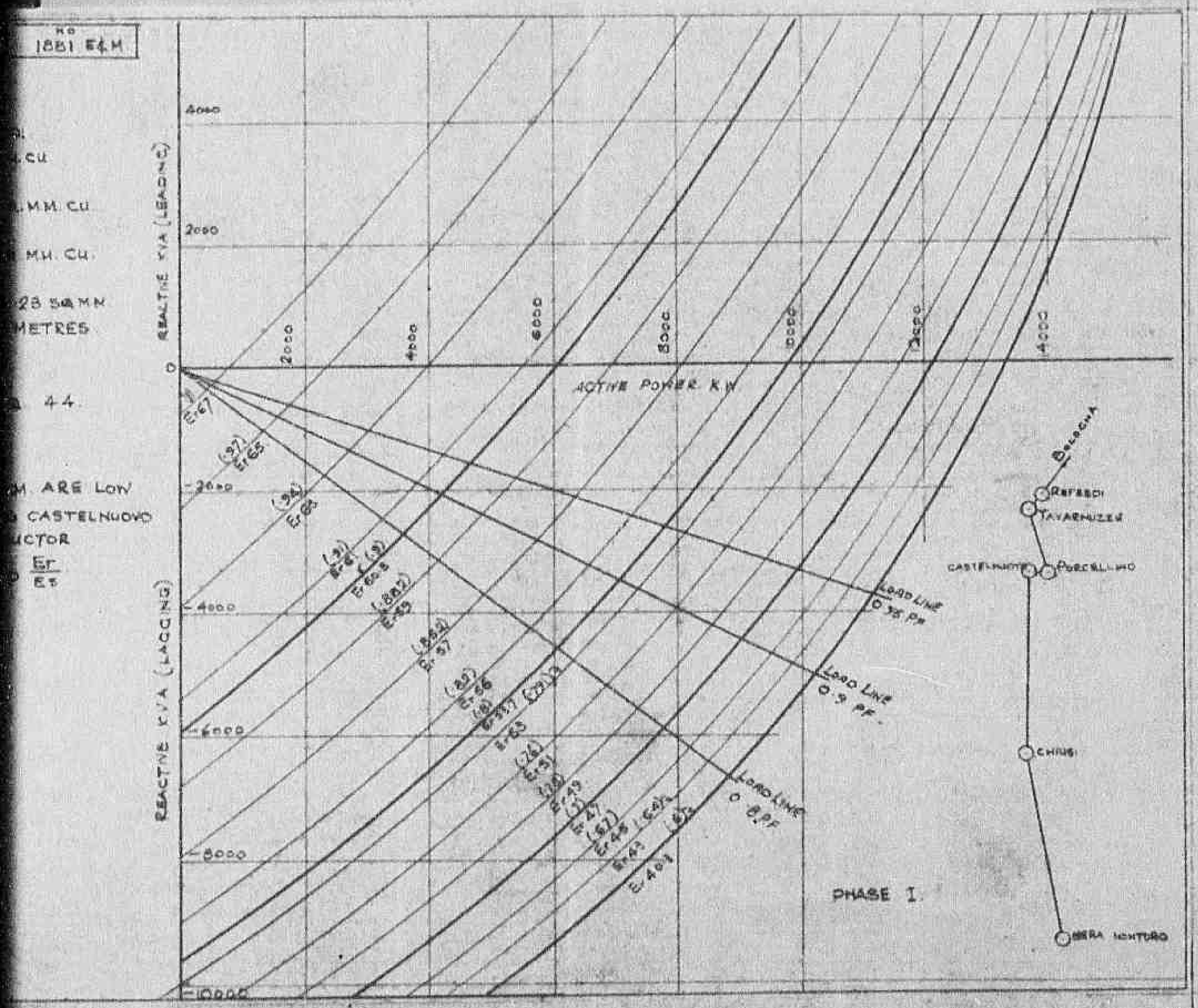
Es 67000 VOLTS TEMP 50°C FREQ 44.

Note POWER READINGS FROM DIAGRAM ARE LOW AS PART OF LINE NERA MONTORO TO CASTELNUOVO CONSISTS OF 67 SQ M M CU. CONDUCTOR

FIGURES IN BRACKETS DENOTE RATIO $\frac{Er}{Es}$



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



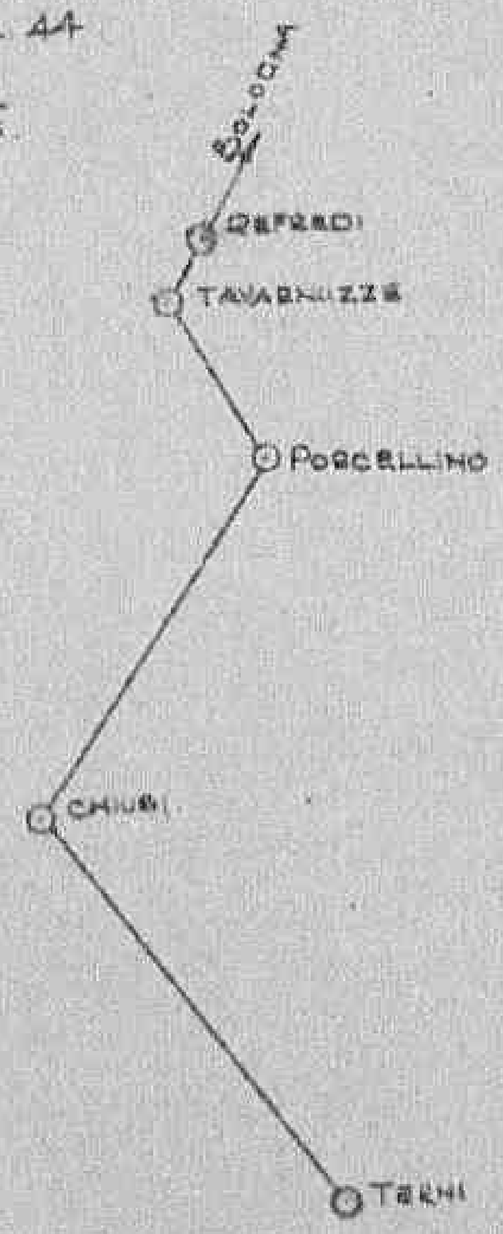
Declassified E.O. 12356 Section 3.3/NND No. 785019

DRAWN BY L. FELL CHECKED BY	APPROVED for Chief Engr. & Gen. Mgr. SR.E.D.W.	DRAWING NO. D.W.A.A.I. 1882-E&M

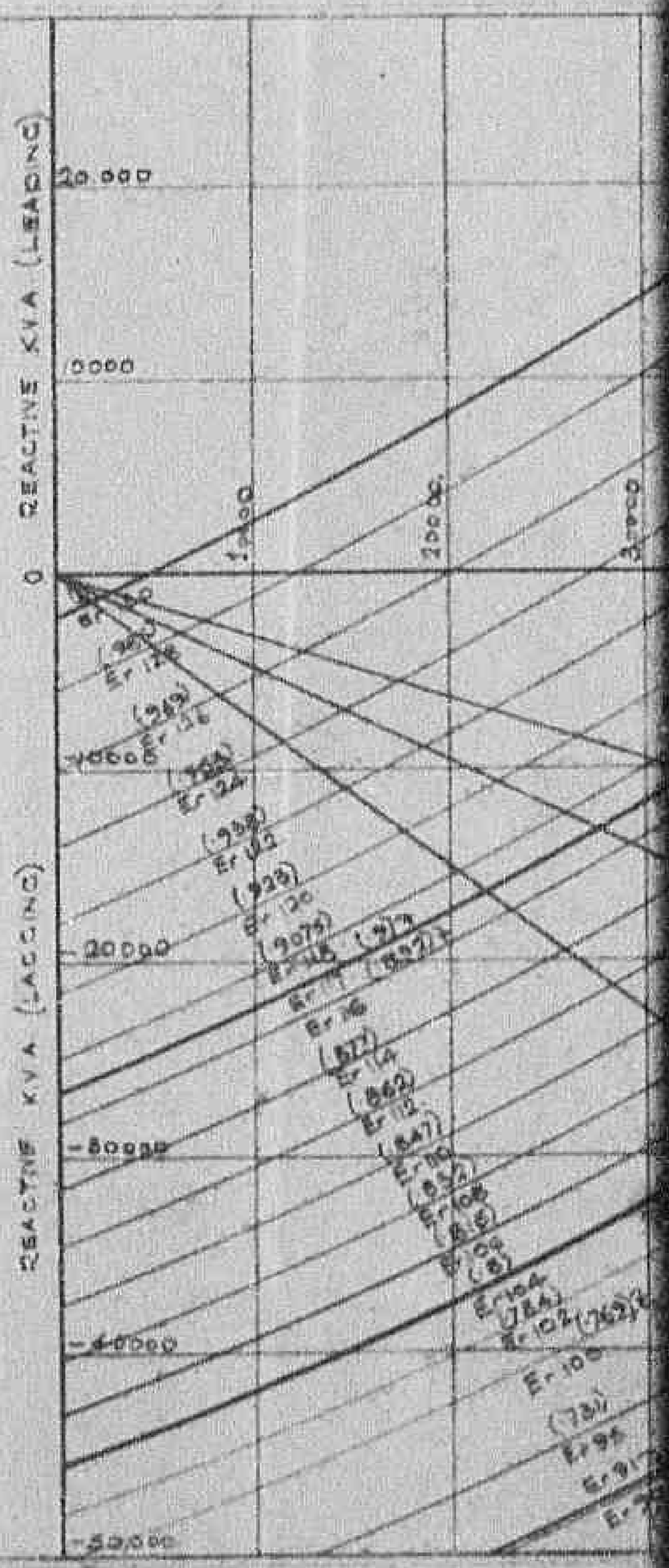
POWER CIRCLE FOR LINE [illegible] TO REFREDI
[illegible] TO PORCELLINO 120 SQ.MM. Cu.
SPACING 5.15 METRES 96.6 MILES
PORCELLINO TO TAVARNUZZE 100 SQ.M.M. Cu.
SPACING 6.15 METRES 18.1 MILES
TAVARNUZZE TO RIFREDI S.C.A. 185·23 SQ. M.M.
(100 SQ. M.M. CORRESP. Cu.) SPACING 6.5 METRES
7.7 MILES

Es 130 000 VOLTS. TEMP 50°C. FREQ. 44

FIGURES IN BRACKETS DENOTE RATIO $\frac{E_r}{E_s}$



PHASE II.



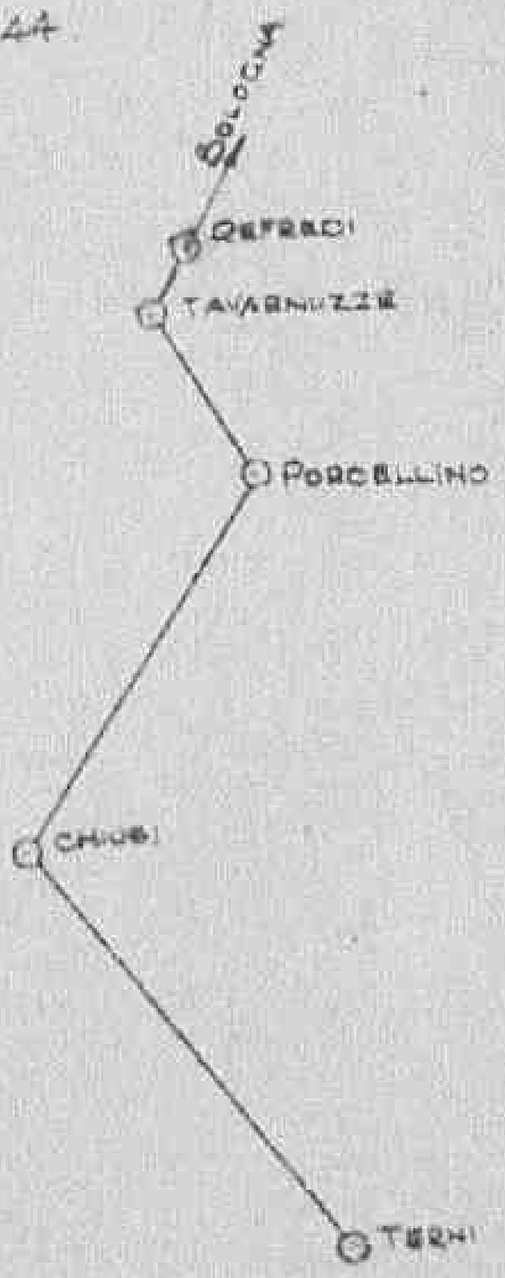
Declassified E.O. 12356 Section 3.3/NND No. 785019

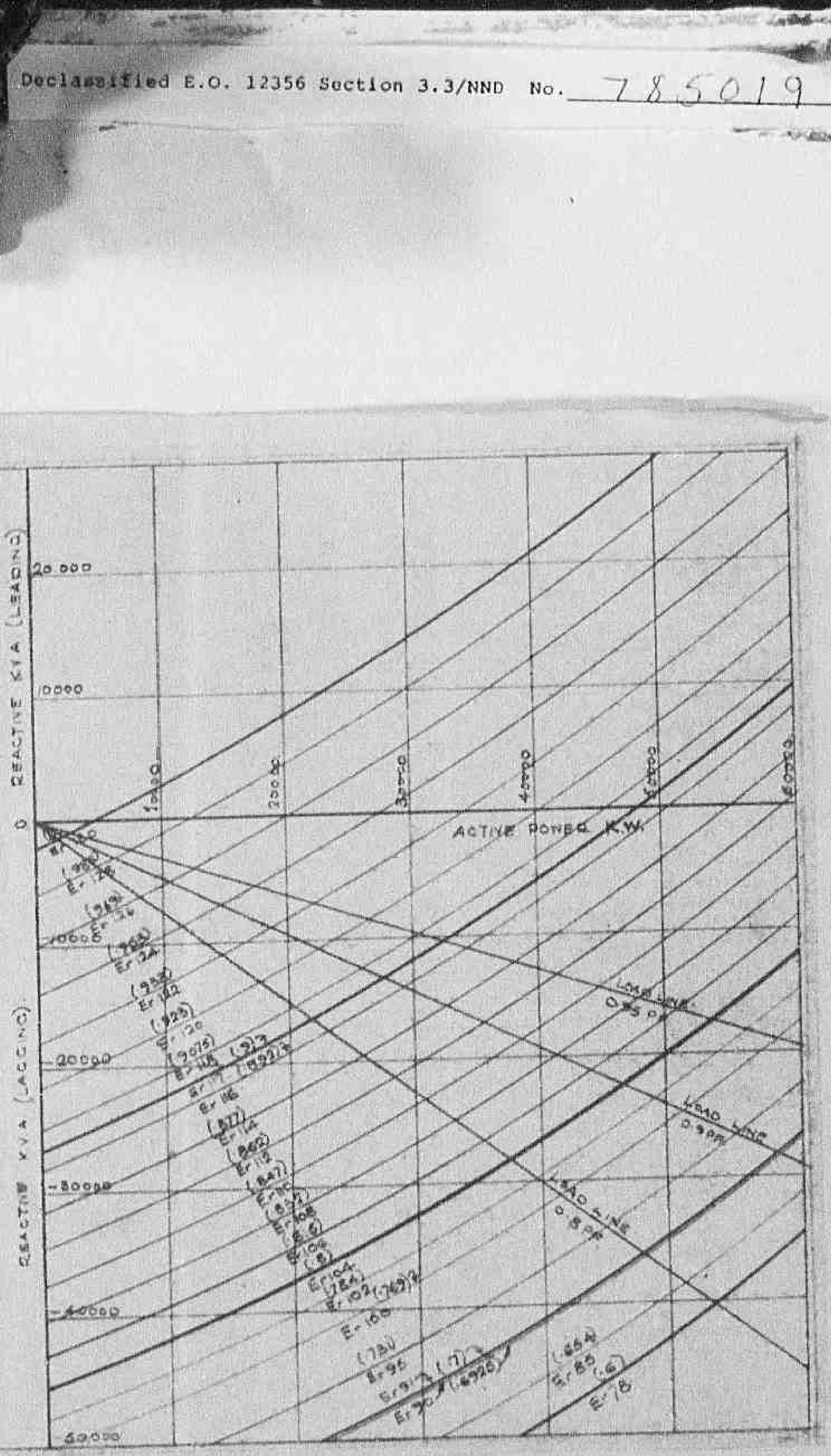
	DRAWING NO
...BRICATION	DN.A.A.I 1882.54M

...TO REFREDI
...0 SQ.MM. Cu.
...SQ.MM. Cu.
...BE-23 SQ.MM.
...5 METRES

...FROM A4

...RATIO $\frac{E_r}{E_s}$



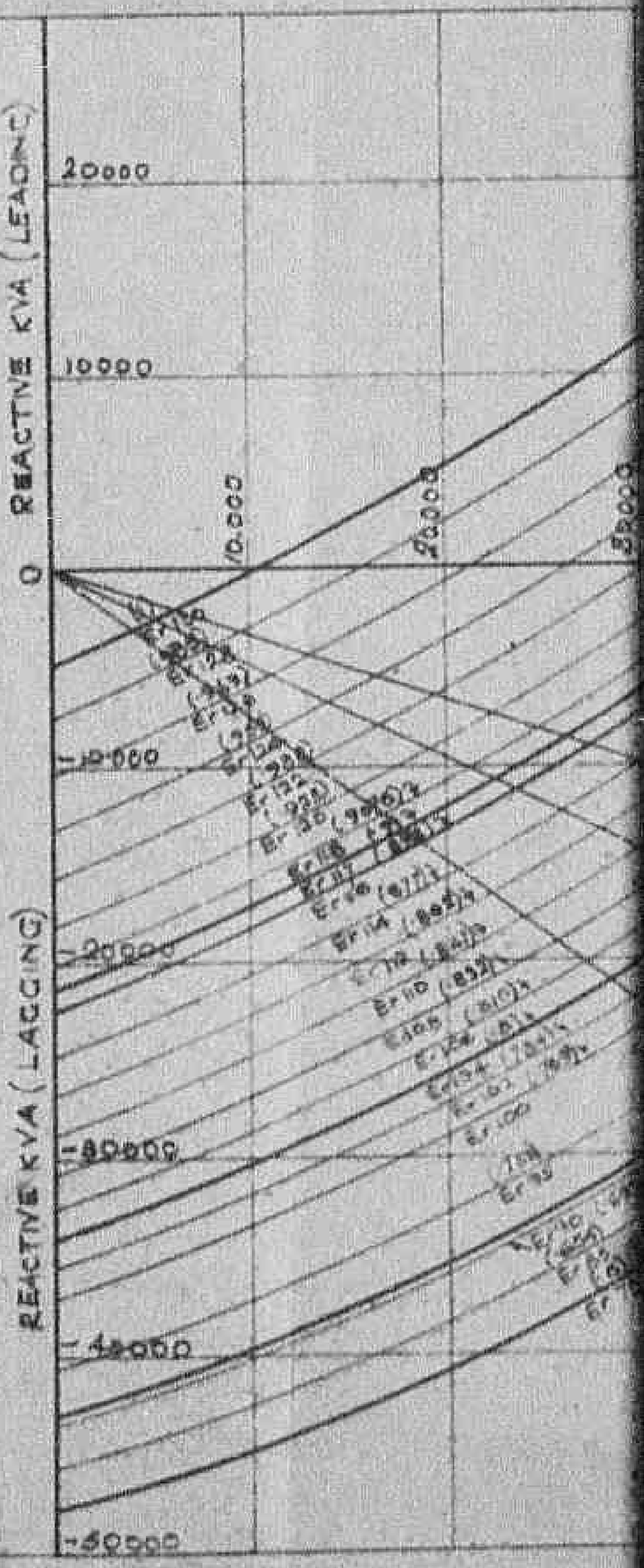


Declassified E.O. 12356 Section 3.3/NND No. 785019

DRAWN BY L.F. CHECKED BY	APPROVED for BRIGDN.	DRAWING N° D.W. A.A.I. 1883/E&M

POWER CIRCLE FOR LINE TERNI TO REFREDI
SCA 220 kV M.M. (120 kV MM. CORRESP CU)
SPACING 6.6 METRES 14 MILES
Es. 130000 TEMP 50°C. FREQ. 44.
FIGURES IN BRACKETS. DENOTE RATIO $\frac{E_r}{E_s}$

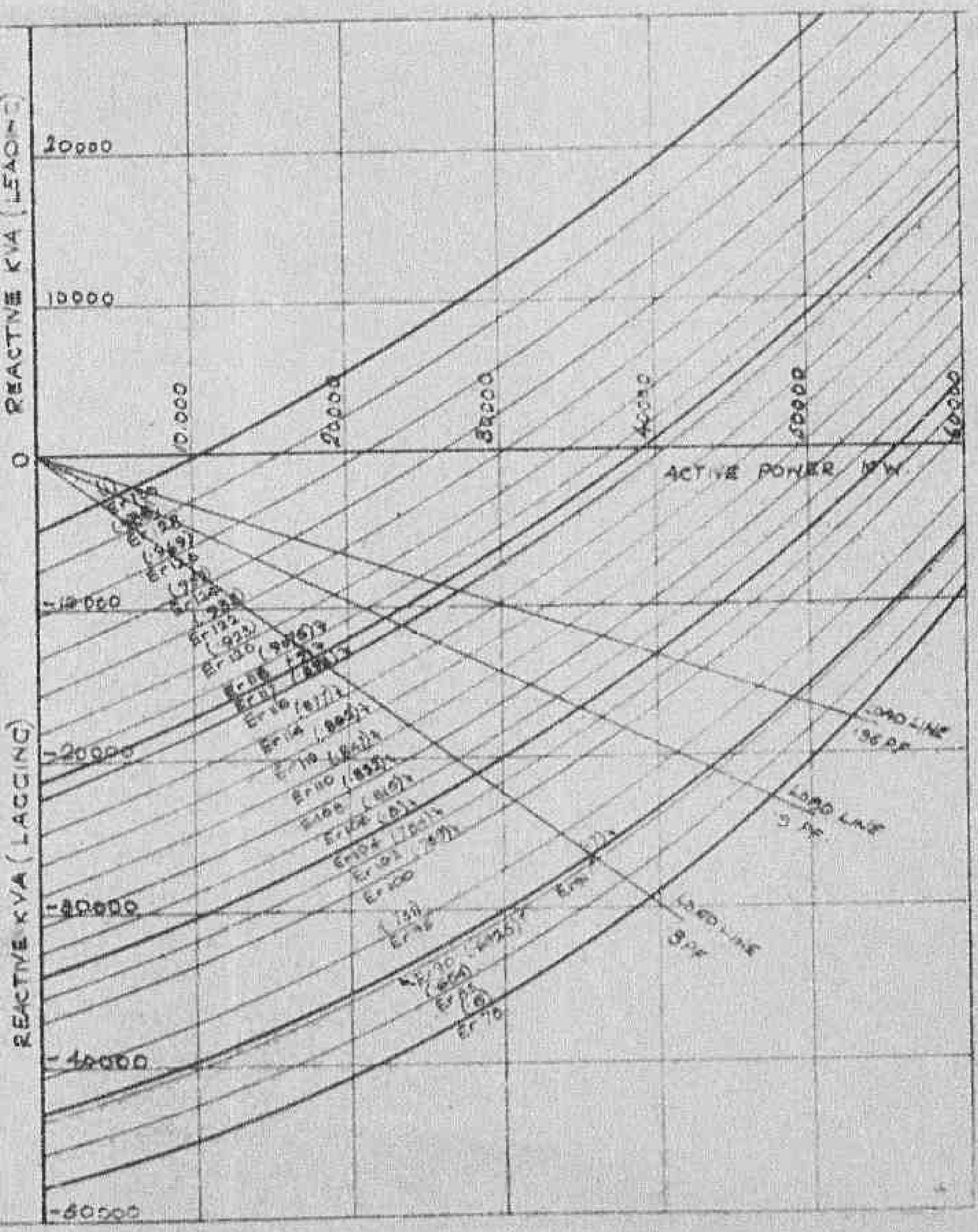
PHASE III



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

DRAWING N°
D.W. A.A.I. 1883/E&M

...I TO REFREDI.
...RROSP. Cu)
...LES
...REQ. 44
... RATIO $\frac{Er}{Es}$



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

Pub Works + Utilities

28

HEADQUARTERS ALLIED COMMISSION
APO 394
INDUSTRY SUB-COMMISSION
MINING DIVISION

Tel: 559

AFR/cc.

Ref: Mines-700.3

RECEIVED
P.W. & U. SUB-C.A.C.
3 DEC 1944 158

30 November 1944.

SUBJECT: Power - Monte Aminta Mine.

TO : Regional Commissioner, Toscana Region
Attn. Public Works and Utilities Div.

1. Reference is made to our letter Ref: Mines-700.3 of 24 November 1944 on the same subject. A little further detailed information has been obtained from the management regarding the power supply.

2. The power station develops a maximum of 7.500 K.W.H. per day when water is running freely.

3. We hear that the company has been released of the demands for 80 K.W. for the carbon bisulphide factory but that the power line to Chianciano is being tapped at several places and some fifteen villages are benefitting.

4. As far as can be ascertained the demands of Chianciano for lighting are between 600 and 700 K.W.H. per day which power is taken over a period of five hours, adding the lighting of the villages mentioned and Abbadia San Salvatore itself the total power sb consumed is 2,000 K.W.H. per day or three times the amount anticipated.

5. At present the position is as follows:

Essential mine maintenance	3,500 KWH per day
Chianciano and villages	2,000 "
Available for olive oil presses	2,000 "
	7,500 "

474

Dr Ed Pepper
Dr Ed Pepper
Dr J Cline

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

Whereas the authorized supply appears to be:

Essential mine maintenance	3,500 KWH. per day
Chianciano	700 "
Local industry	3,300 "
	7,500 "

It is suggested that this leakage of power be checked.

6. It is further pointed out by the management that in January when the countryside is frozen there will be a shortage of water and the available power will fall to 4,000 K.W.H. per day bearing only 500 K.W.H. available for industry. This Sub-Commission is confident that this fact has not been lost to sight.

7. It is again urged that no power demands be allowed to impede the maintenance of this important mine the management of which is most cooperative and has curtailed its own operations in order to meet demands for the common good.

BY COMMAND OF COMMODORE STONE :

K. S. VAUGHAN,
Director,
Industry Sub-Comm.

c/c - Public Works & Utilities S/C (1)
Float (1)
Files, Mining Division (1)

Tel.489851

WL/sp 27

M E M O R A N D U M

Reference : 158/ /PWU
Subject : Liaison with Italian Government
(Electricity)

27 Nov. 44

To : DIRECTOR P.W. & U. S/C A.C.
From : Lt.Col.W.M.Lapper - Chief Elec.Div.

1) - I believe the time has arrived when we should attempt to have a closer tie with the Ministry of Public Works in connection with the important matters of electricity supply.

2) - The present arrangement whereby I send for the Italian Government Electrical Adviser and discuss our plans and schemes does not seem to me to be a close enough liaison at this stage, when matters of all sorts are being raised from the rationing of electricity, financing of projects, rehabilitation of plants and supply of materials.

3) - I recommend that we set aside an office and ask the Minister of Public Works to arrange for an official to be always available. He could be in continuous touch with our work and would be aware of the availability of electricity in the various areas.

W.M.LAPPER
Lieut-Colonel
Chief Elec. Div.

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

To : DIRECTOR P.W. & U. S/C A.C.
From : Lt.Col.W.M.Lawder - Chief Elec.Div.

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3) - I recommend that we set aside an office and ask the Minister of Public Works to arrange for an official to be always available. He could be in continuous touch with our work and would be aware of the availability of electricity in the various areas.

W.M.LAWDER
Lieut-Colonel
Chief Elec. Div.

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

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

2-1

26

4/26

2112 DW dated 19 April 44
Reconstruction of Cowan diaries
transferred to file 171

150 final

FIELD REPORT 10.11.1944 FMV/lam 25

21 November, 1944

ACQUORIA GENERATING STATION - S.R.E.

By S.R.E. Ing. Quojani

U.S. Capt. Vannoy - Eng. Errera

50 M. HEAD

Turbine foundations completed.

Pouring concrete for penstock anchors will finish pouring in 3 days. Concrete will require 20 to 25 days to cure. This is limiting date on completion of work. Removing old runners from shaft in preparation for installation of repaired runners.

Rotor is ready. Stator now measures 20 megohms insulation resistance. Drying will continue until ready to install.

Discharge tunnel is completed. Transformer is ready. Operation of this 3500 KW unit will begin 20 Dec. 1944.

100 M. HEAD

Plans are being made to move one 4000 KW unit from Scalelle. Tentative date to begin operation at Aquoria, March.194

150 M. HEAD

Turbine parts have been moved to Terni to prepare drawings from which new castings can be made.

Eng. Quoiani is preparing to dismantle the alternator and move it inside, under cover, for repairs.

470

Distribution

Commissioner, Umbria - Lazio Region
(Att. Regional Engineer)
Col. Lapper
Major Renton - Eng. Calenda - Rile
Major Barry
Major Price
Capt. Vannoy - Capt. Duran

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

ACQUORIA GENERATING STATION - S.R.E.

By S.R.E. Ing. Quojani
S.C. Capt. Vannoy - Eng. Errera

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Distribution

Commissioner, Umbria - Lazio Region
(Att. Regional Engineer)
Col. Lapper
Major Renton - Eng. Calenda - Ville
Major Barry
Major Price
Capt. Vannoy - Capt. Duran
Eng. Errera
Eng. Colamarino

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

File 1-8

AFHQ
G-5

24

E-1.
Remarks on report

18 Sep 44

G4 ~~remarks~~ remarks on report
of availability of electrical energy
in Central Italy.

Filed in 124.

469

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

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

Tel.489081

WML/ac

23

M E M O R A N D U M

Reference : 158/ /FWU
Subject : Liaison with Italian Government (Electricity)

27 Nov. 44

To : DIRECTOR P.W. & U. S/C A.C.
from : Lt.Col.W.M.Lapper - Chief Elec.Div.

1) - I believe the time has arrived when we should attempt to have a closer tie with the Ministry of Public Works in connection with the important matters of electricity supply.

2) - The present arrangement whereby I send for the Italian Goverument Electrical Adviser and discuss our plans and schemes does not seem to me to be a close enough liaison at this stage, when matters of all sorts are being raised from the rationing of electricity, financing of projects, rehabilitation of plants and supply of materials.

3) - I recommend that we set aside an office and ask the Minister of Public Works to arrange for an official to be always available. He could be in continuous touch with our work and would be aware of the availability of electricity in the various areas.

Lt Col Lapper will

Approved.

This was discussed with Sig. Liggans on 28 nov. 1944. He will select a man who speaks english and give us his record so that he may be investigated for security purposes

Brig. 28/11/44

W.M.LAPPER
Lieut-Colonel
Chief Elec. Div.

41 refers

468

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

RECEIVED
P.W & U. S/C A.C.
2 NOV 1944 158

ARS/cf

22

ALLIED COMMISSION
TRANSPORTATION SUB COMMISSION
RAILWAYS

Ref. A.C. Tn/E/IE
Nov. 24th 1944

Lt Col Repair
A.F. 27/11
All members 2
Fil Fe

SUBJECT : Repair Hydro-Electric Plant Segittario

TO : Electrical Reconstruction Committee.

1. A request has been received from the Italian State Railways for the repair of the above plant.

2. This station formerly consisted of three generating sets of 15 000 HP each, two of these are very badly damaged, but the third is repairable.

3. Cost of work estimated 30.000.000 lire.

4. Estimated time 6 months.

5. The repair of this station has been discussed by representatives of I.S.R. M.R.S. and AC.2n.

6. It is felt, that it is better to consentrate all electrical repair work under one head and thus ensure co-ordination of effort, and it is therefore suggested that this work be supervised by the Public works Sub Comission A.C.

7. Priority of supply of current for railway purposes will of course be recognised.

8. Your approval of above is requested.

C.E. Lindberg, Lt.Col. 467
C.E. LINDBERG, LT.COL., R.E.
TRANSPORTATION SUB COMMISSION
RAILS.

Copy : M.R.S.
Copy : P. Works Utilities
Electrical Sect.

folio 31 refers

Tel.489061

LWL/sc 21

M E M O R A N D U M

Reference : 158/ /PWU
Subject : Local Newspaper "Avanti"

24 Nov.44

noted Dir

To : DIRECTOR
From : Lt.Col.Lapper

1) - Attached is a translation from "Avanti" of 22nd Nov. which refers to the electricity Supply in the Rome Area.

2) - The fact is that the energy generated by Galleto or any other Grid Station will go on to the Grid System and the Local Resources Board will decide what amount of energy will be taken off the Grid System for each area, Rome being just one of the many areas to be supplied. Rome Newspapers are therefore quite wrong in referring to energy from anyone generating station as being available for a particular locality.

3) - I consider these newspaper reports mischievous, unfair criticism and likely to cause unrest in the district and it is recommended that the press censor be asked to prevent such reports being issued.

4) - For our own information so far as I see at present there is not likely to be any appreciable increase in the supply of electricity for Rome for at least three months unless of course it is decided to close down some of the industries in order to satisfy the Romans.

W.N.LAPPER
Lieut-Colonel
Chief Elec. Div.

enclosure :
1 translation from "Avanti"

466

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

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

RESTRICTED

ALLIED CONTROL COMMISSION

INCOMING MESSAGE

23 Nov 44 158 [illegible] C/Lt 413

TO: FOR ALLIED COMMISSION FOR PUBLIC WORKS AND UTILITIES SUBCOMMISSION ATTENTION
MAJOR BARRY
SIGNAL MESSAGE CENTER No: 142/22

FROM: AMG 5 ARMY FOR HUME
CLASSIFICATION:

REFERENCE No: 2422
PRECEDENCE: PRIORITY

DATE AND TIME OF ORIGIN: NOV 221655A
OFFICE OF ORIGIN: CITE: 579

To Hume file

ACTION

RESTRICTED.

Please advise status release mobile power units urgently required to make power available for olive presses and small industries.

Lt Col Pepper

Pls answer. If we had these from U.S. we could help. Have about some of these we found recently - Gaeta?

[illegible] 23/11

Lt Col Jaffee
Pls 25 kw. sing. to Hume
with [illegible]
Pl. Sd. by Gen Mr. Genl Sh. Engr
Opr H.Q. Bty at Gaeta not portable.
AFHQ.

DIST

Action: P. Hume (2)
Info: Chief Commissioner
Legal Sec.
File (2)
F Dist

465 ARTHUR 7 NOV 1944 C.

DATE and Time of RECEIPT NOV 230830A

Distribution:

RESTRICTED

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

Adv 158

19

AMG FIFTH ARMY

INFO Chief Commissioner, Econ Sec

ALOOM

6998

241440

RESTRICTED
PRIORITY
PUBLIC WORKS

PARA ONE PD MOBILE POWER UNITS HAVE BEEN ASSIGNED TO PBS
BY CHIEF ENGINEER AFHQ PD
PAREN TO AMG FIFTH ARMY FOR HUBB FROM ALOOM FOR JENNY
SIGNED STONE CITE SIX NINE NINE EIGHT PAREN

PARA TWO PD REF YOUR TWO FOUR TWO TWO
OF TWENTY SECOND.

Major W.D Hayne called today on behalf of Capt. Gaither (Florence 1358) for portable units for olive pits presses. Want sizes 2 H.P and above. Need many of them. Hdtc
Bdl 11/44

464

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

2 0 1 9 1

O.1 & F.1.c

Inv. 18

cl. 473.406

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

15A/PWU

23 November 1946

Subject : Transfer of Matter from Pisticci.

To : Terni Co.

1. Attached is a receipt for materials received from Pisticci Converting Station and transferred to Pian dalla Rocca Converting Station by request of the Allied Commission.

W.H. LAPPE
Lieut-Colonel
Chief Electrical Div.

Attach. 1

Distribution : Terni Co.
D.W.S. A.A.I. (Att. Lt.Col. A.W. Page)
P.W.B. (Att. Lt.Col. G. Cooley)
Commissioner, Tenenna Region (Att. Regional Engineer)

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

Copy

TO WHOM IT MAY CONCERN.

The undermentioned articles are the property of the Società' per l'Industria e l'Elettricita' di Terni, and have been up to now in use at Pantano.

1. Rotor N. 420016 / SS 901 / Z4, KW 100, RPM 1460, Stator 500 V; Rotor 410 V, Amps 150/176, Cycles 50.
2. Dynamo N. 1539; MCS 34-20/6, KW 100, RPM 1460, Volts 220 - 455 A., Excitation Volts 220 - 3.7 A.

The bearer of this letter is authorised by A.C.C. to remove same and deliver to Col. Cooley, F.B.S.

R.M. Campbell M.C.M.G.

543 M. & M. Coy R.E.

20/11/44

462

Quirinal 2

Pol. 471.96 MET/ma 17

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

159/1/40 23 November 1944

Subject : Transfer of Exciter from Bastardo.

To : Terni Co.

1. Attached is a receipt for materials removed from Bastardo Generating Station and transferred to Pian della Rocca Generating Station by request of the Allied Commission.

W.A. LAPPE
Lieut-Colonel
Chief Electrical Div.

ATTACH. 1

Distribution : Terni Co.
R.I., A.A.I. (Att. Lt.Col. A.E. Page)
P.B.S. (Att. Lt.Col. C. Cooley)
Commissioner, Tuscana Region (Att. Regional Engineer)

461

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

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

6.

TO WHOM IT MAY CONCERN.

The under-mentioned articles are the property of the Societh per l'Industria e l'Elettricità di Terni, and have been up to now in use at Bastardo.

1. Motor N° 422016 / 68 961 / 24, KW 100, RPM 1460, Stator 500 V; Rotor 410 V, Amps 150/176, Cycles 50.
2. Dynamo N° 1539; EKE 24-20/5, KW 100, RPM 1460, Volts 220 - 455 A., Excitation Volts 220 - 5.7 A.

The bearer of this letter is authorised by A.C.C. to receve same and deliver to Col. Cooley, S.E.F.B.S.

20/6/44

R. M. Campbell MAMS

543 Early Conf. 60 E.

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

CONFIDENTIAL

Copy

file 158. original in 062

16

HEADQUARTERS
PENINSULAR BASE SECTION
FORWARD ECHELON
APO 782

18 November 1944.

AG 475.4 PBSENG FWD

SUBJECT: Electric Motors and Pumps.

TO : Chief Commissioner, Allied Control Commission, APO 396.

1. The pump station at Filettole, coordinates 511.5-376.5 Italy 1/50,000, sheet 104-II, Pisa, is the principal source of water for Leghorn. All pumps and motors in the system were destroyed by enemy demolition.

2. The pump station has been rehabilitated by installing gasoline engine driven pumps from U.S. Army stock and is now in operating condition. The gasoline engine driven pumps are, however, a temporary installation and must be replaced with electric motor driven pumps as soon as possible.

3. Electric power will be available at Filettole Pump Station about 20 November 1944. Local power in this zone is three phase, 50 cycle, and motors should preferably operate at 260 volts.

4. The pump-motor groups required for the Filettole Pump Station are as follows:

a. Two pump-motor groups; pump capacity 50 litres per second (800 g.p.m.) against a head of 10 meters; or one pump-motor group; pump capacity 100 litres per second (1600 g.p.m.) against a head of 10 meters.

b. One pump-motor group; pump capacity 100 litres per second (1600 g.p.m.) against a head of 145 meters.

c. One pump-motor group; pump capacity 50 litres per second (800 g.p.m.) against a head of 145 meters.

d. In lieu of sub-paragraphs b. and c. above, one pump-motor group; pump capacity 125-150 litres per second will suffice.

5. Your assistance is requested in locating and procuring the necessary pumps as listed in paragraph 4 above. Search in the Leghorn Area has so far failed to locate adequate pumps.

For the Commanding Officer:

D. W. MARTIN.
Major, AGD.
Asst Adj Gen.

459

CONFIDENTIAL

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

HEADQUARTERS ALLIED COMMISSION
APO 394
ECONOMIC SECTION

HC:mew 15

RECEIVED
P.W. & U. S/C A.C.
25 NOV 1944 15811

EC 9.01 /ES

24 November 1944

TO: Lt. Col. L. A. Jenny
PW & U S/C

SUBJECT:

May we have your recommended answer to the Ministry of Industry, Commerce and Labor on the attached letter, which suggests that the Italian Government be represented on the Electricity Control Board?

Harlan Cleveland
HARLAN CLEVELAND
Executive Director, ES

Lt Col Jenny
Pls discuss with me as soon as possible. We should permit one representative of the Italian Govt. to sit on this Board, but would it not be better to ask that the engr. from P.W. Ministry, who is working with you and who is supposed to know the program, sit on each Bd. than a new man - a person, who is not familiar with the facts?
Lind 25/11

10 NOV. SI

Roma 1 1 NOV 1944 19 Anno

MINISTERO INDUSTRIA, COMMERCIO E LAVORO
~~Ministero delle Corporazioni~~
Direzione Gen. Industria e Miniere

Al COMMISSIONE ALLEATA
Sezione Economica
ROMA

Prot. N.° 4799 Allegati

Risposta al Foglio N.°
del

OGGETTO: Commissione per la distribuzione di energia elettrica.

1 - E' noto a codesta Sezione Economica che nelle provincie ritornate sotto la giurisdizione del Governo italiano è stata recentemente definita, d'accordo con l'A.C., una nuova disciplina relativa alla distribuzione all'industria di materie prime e di prodotti vari.

2 - Tale disciplina ha essenzialmente lo scopo di dare a questo Ministero la possibilità di seguire le produzioni e di destinare le materie prime alle industrie, tenendo presenti le necessità più urgenti della ricostruzione e della popolazione civile.

3 - La destinazione di materie prime e di prodotti alle industrie non può però essere fatta oculatamente e proficuamente se questo Ministero non ha contemporaneamente l'esatta conoscenza delle disponibilità e non può intervenire nelle decisioni relative alla distribuzione dell'energia elettrica.

4 - Appare pertanto necessario, per la ripresa delle funzioni di coordinamento e di controllo sulle attività industriali, nelle provincie ritornate sotto la giurisdizione del Governo italiano, che un funzionario di questo Ministero faccia parte

457

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

Foglio N.° 1 di 99 Foglio/i Allegato/i

Risposta al Foglio N.° del

OGGETTO: Commissione per la distribuzione di energia elettrica.

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./.

457

Declassified E.O. 12356 Section 3.3/NND No. 778019

dell'Electricity Control Board istituito presso il Comando delle Forze Alleate in Roma per l'esame delle questioni relative alla produzione ed alla distribuzione dell'energia elettrica.

5 - Prego portare quanto sopra a conoscenza di detto Quartiere Generale informando anche che, quale rappresentante di questo Ministero nella commissione per l'energia elettrica, designerei il Prof. Ing. Luigi GERBELLA, f.f. di Direttore Generale dell'Industria e delle Miniere.

In caso di assenza del Prof. Gerbella, egli sarebbe sostituito dall'Ing. Giuseppe Pavia, capo divisione che si occupa dell'industria elettrotecnica.

IL MINISTRO

Ce/Da

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

5 - Prego portare quanto sopra a conoscenza di detto Quartiere Generale informando anche che, quale rappresentante di questo Ministero nella commissione per l'energia elettrica, designerei il Prof. Ing. Luigi GERBELLA, f.f. di Direttore Generale dell'Industria e delle Miniere.

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IL MINISTRO

Ge/Da

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

Quest Other R 14

ALLIED FORCE HEADQUARTERS
Electrical Reconstruction Committee (Italy)
APO 512

VSR/lam

21 November, 1944

158

Subject: Italian Electricity Situation as of 15 Nov. 1944

To : Electric Power Committee, Allied Force Local Resources Section, R.A.A.C., C.M.F.

Central Italy

1. The electric generating capacity of Central Italy has increased twenty-five percent, or 16,700 kilowatts during the period 15 October - 15 November. The present effective generating capacity is approximately 84.000 kilowatts, as compared to the capacity of 860,000 KW prior to the enemy distruction. On the evening of 15 November, the peak load for Rome and vicinity, including losses, reached 50,000 KW, the highest figure since Allied occupation.

2. The following factors have contributed to the latest increase in capacity:

a. The restoration of 14 units having a total capacity of 14.280 kilowatts.

b. Increased seasonal stream flow.

c. Increased reliability of the Rome thermal generating stations.

3. The consumption of electric energy in Central Italy during the month of October was 12.2 percent of the average monthly figure for 1941.

4. Transmission line reconstruction continued throughout the month, nearly 200 kilometers having been completed.

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

To : Electric Power Committee, Allied Force Local Resources Section, H.A.A.C., C.M.F.

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4. Transmission line reconstruction continued throughout the month, nearly 200 kilometers having been completed.

456

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

Southern Italy

5. The generating capacity of the Società Meridionale di Elettricità decreased during the month to a total of 207,140 KW. A burned out generator at the Orichella Plant caused the change.

6. The consumption of electric energy in Southern Italy during the month of October was 43 percent of average monthly figure for 1941.

W.M. LAPPER
Lieut - Colonel,
Electrical Reconstruction
Committee (Italy).

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

158 Part 13

LEGHORN TRIP 17 - 20 NOV. 1944 21st Nov. 1944

[redacted] - Lignite Mine via Leghorn, Larderello and Monte Maritttion.

Capt. [redacted] A.C.
Ing. [redacted] A.C.

The purpose of the trip was to investigate interruptions to the supply to the mine during the past 2 months and forecast future continuity of supply and load available.

During September, interruptions were excessive, amounting to a total of 86 ½ hrs. and can be subdivided under the following headings:

(I) Generator outages at Larderello for maintenance purposes.
(II) Line outages due to lightning tripping circuits.
(III) Line outages due to wind causing lines to cross or fracture.

During October conditions improved considerably, due largely to a second generator coming into service at Larderello.

During the first 15 days of November, interruptions amounted to 13 hours. Dr. Salli, Director of the mine, was satisfied that the majority of interruptions were due to unforeseen circumstances which could not be avoided, but that adequate warning was given whenever possible.

Up to the present, there have been no instances of "Load cutting" affecting the mine.

As regards the future, conditions are likely to be worse rather than better, as weather conditions will probably be worse both for the operation of the lines and also for the maintenance parties. In addition pumping and lighting loads are growing faster than the rate of increase generation.

It would appear doubtful if the max demand of the mine which is at present 450 KW can be increased to 700 KW, which will be required to operate an additional shaft, under the present conditions.

It is pointed out that the mine in fed by a single circuit line 25 miles in length, and this line has a large number of joints in it. In addition the Societa' Elettrica Maremmana have only 2 light trucks and shortly one heavy truck to maintain and rehabilitate lines bounded by Leghorn, Siena, Chiusi, Orbetello and Piombino.

Telephone communication exists between the various substations and generating stations, but again these are below standard efficiency due to the large number of joints existing.

Distribution : Chief Engineer F.B. . - Att. Lt. Col. 454
Commissioner Tuscan Region - Att. Maj. [redacted]

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

During September, interruptions were excessive, amounting to a total of 28 ½ hrs. and can be subdivided under the following headings:

(I) Generator outages at Larderello for maintenance purposes.
(II) Line outages due to lightning tripping circuits.
(III) Line outages due to wind causing lines to cross or fracture.

During October conditions improved considerably, due largely to a second generator coming into service at Larderello.

During the first 18 days of November, interruptions amounted to 13 hours. Dr. Baili, Director of the mine, was satisfied that the majority of interruptions were due to unforeseen circumstances which could not be avoided, but that adequate warning was given whenever possible.

Up to the present, there have been no instances of "load cutting" affecting the mine.

As regards the future, conditions are likely to be worse rather than better, as weather conditions will probably be worse both for the operation of the lines and also for the maintenance parties. In addition pumping and lighting loads are growing faster than the rate of increase generation.

It would appear doubtful if the max demand of the mine which is at present 450 KW can be increased to 700 KW, which will be required to operate an additional shaft, under the present conditions.

It is pointed out that the mine is fed by a single circuit line 20 miles in length, and this line has a large number of joints in it. In addition the Societa' Elettrica Maremmana have only 2 light trucks and shortly one heavy truck to maintain and rehabilitate lines bounded of Volterra, Siena, Chiusi, Orbetello and Piombino.

Telephone communication exists between the various substations and generating stations, but again these are below standard efficiency due to the large number of joints existing.

Distribution : Chief. Engineer P.B. . - att. Lt.Col. 454
Commissioner Tuscan Region - att. Eng. Engineer
Industry Sub Commission - att. Capt. Rinyer
Col. Lapper ———
Maj. Barry
Maj. Reston - Eng. Calenda
Maj. Price
Capt. Best
Eng. Rivera
Eng. Toscano - Eng. Colamarino

Note

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

General Affairs 158
File R.C.

Società Romana di Elettricità 12

Per azioni - Sede in Roma - C.P.C. Roma N. 2247
capitale sociale L. 125.000.000 - versato

Note. This is a preliminary draft of a letter to A.C. re transfer of Chimici Nazionali di Aurelia to Montecatini. R.

Roma (41) lì 25 OTTOBRE 1944
VIA POLI, 14

EC. Prot. N° 7467

AL CONSIGLIO DELLA COMMISSIONE ALLEATA
DI CONTROLLO
SOTTOCOMMISSIONE LAVORI E SERVIZI
PUBBLICI A.F.A.C. 394 -

ROMA

ESERCIZIO DELLA CENTRALE TERMICA DELLA
SOCIETA' PRODOTTI CHIMICI NAZIONALI DI AURELIA -

Si informa che in data 24 corr. si sono riuniti i rappresentanti delle Società P.C.N., Itel Cementi e S.E.E. per definire gli accordi economici relativi al funzionamento della Centrale Termica di Aurelia.

Premesso che la possibilità, in linea economica, di funzionamento della Centrale Aurelia è legata alla ripartizione del relativo onere a carattere termico su un numero notevole di utenti, quale ed ne può offrire l'intera zona di elettrificazione della S.E.E. e della sCEA; che, pertanto, una tale eventualità può essere realizzata soltanto se gli organi competenti assumeranno l'impegno di riconoscere tra le voci di gestione delle S.E.E. e della sCEA, ai fini della periodica revisione delle tariffe, anche gli oneri relativi al funzionamento della Centrale di Aurelia; che si verificherà un ritardo tra l'inizio del funzionamento della Centrale Aurelia e l'inizio della riscossione della collettività di utenti della speciale quota destinata a coprirne le spese; ciò premesso, le parti hanno raggiunto i seguenti accordi di massima, subordinati alla approvazione delle A.C.C., della Direzione Centrale della Itel Cementi della Direzione Centrale della P.C.N. e della sCEA:

1°) - La S.E.E. e l'sCEA si impegnano, a condizioni di aver avuto il riconoscimento di una sovrattasa aliquota di maggiorazione prezzi di vendita dell'energia allo scopo di rimborsare alla P.C.N. le spese di gestione dell'impianto, di effettuare tale rimborso con un ritardo di circa tre mesi, analogo a quello che si verifica tra l'inizio della fatturazione e l'effettivo incasso della collettività degli utenti.

453

Confidential Telegrams, Letters, Memoranda, etc. Records of the OSS, Record Group 226, Entry 99, Box 453, Folder 3
Declassified E.O. 12356 Section 3.3/NND No. 785019

Note. This is a preliminary draft of letter to A.C. re Production of Chemici Nazionali di Aurelia. Attached also is translation. R.

Roma (61) 6 — 25 OTTOBRE 1944
VIA POLI, 14

RG. — Tel. 7467

AL COMANDO DELLA COMMISSIONE ALLEATA
DI CONTROLLO
SOTTOCOMMISSIONE LAVORI E SERVIZI
PUBBLICI A.P.O. 394 -

R O M A

ESERCIZIO DELLA CENTRALE TERMICA DELLA
SOCIETA' PRODOTTI CHIMICI NAZIONALI DI AURELIA -

Si informa che in data 24 corr. si sono riuniti i rappresentanti delle Società P.C.N., Itel Cementi e S.E.E. per definire gli accordi economici relativi al funzionamento della Centrale Termica di Aurelia.

Premesso che la possibilità, in linea economica, di funzionamento della Centrale Aurelia è legata alla ripartizione del relativo onere a carattere termico su un numero notevole di utenti, quale può essere offerto dall'intera zona di distribuzione della S.E.E. e della ACEA, che, pertanto, una tale eventualità può essere realizzata soltanto se gli organi competenti assumeranno l'impegno di riconoscere tra le spese di gestione della S.E.E. e della ACEA, ai fini della periodica revisione delle tariffe, anche gli oneri relativi al funzionamento della Centrale di Aurelia; che si verificherà un ritardo tra l'inizio del funzionamento della Centrale Aurelia e l'inizio della ripartizione delle collettività di utenti delle speciale quote destinate a coprirne le spese; ciò premesso, le parti hanno raggiunto i seguenti accordi di massima, subordinati alla approvazione della S.E.E., della Direzione Centrale della Itel Cementi della Direzione Centrale della P.C.N. e della ACEA:

1°) - La S.E.E. e l'ACEA si impegnano, a condizioni di aver avuto il riconoscimento di una specifica aliquota di maggiorazione prezzi di vendita dell'energia allo scopo di rimborsare alla P.C.N. le spese di gestione dell'impianto, ad effettuare tale rimborso con un ritardo di circa tre mesi, analogo a quello che si verifica tra l'inizio della fatturazione e l'effettivo incasso della collettività degli utenti.

453

2°) - La P.C.N. si impegna di finanziare le spese di gestione in relazione al ritardo nel rimborso di tali spese da parte della collettività degli utenti, tramite la S.E.E. e l'ACEA.

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

Società Romana di Elettricità
Per azioni - Sede in Roma - C. P. C. Roma N. 3247
capitale sociale L. 438.000.000 - versato

Roma 14, 6
VIA POLI, 14

-2-

3°) - La Ital Cementi si impegna, a condizione di poter elevare da 1.000 a 2.000 Kw la potenza a propria disposizione, di pagare le spese di costruzione della linea elettrica a 30 KV di collegamento della Centrale Aurelia per la quale la Società Romana di Elettricità metterà a disposizione i conduttori, gli isolatori e le mensole. L'Ital Cementi metterà altresì a disposizione della S.R.E. i mezzi di trasporto per trasferire un trasformatore da 2.500 KVA, dalla Centrale di Vuloi alla Centrale Aurelia.

Indirizzo Telegrafico: ROMANELE - Codice Telegrafico: "Ulrich"

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

20371

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

2 -

w/c

No 5 Canadian General Hospital
RAMC

14

Passed to R.A.A.C.

15

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

Tel.489081

LWL/ac

M E M O R A N D U M

Reference : 158/ /PWU
Subject : Lardarello Electric Power Station
To : DEP. DIRECTOR TRANSPORTATION S.C.
From : P.W. & U. S/C

17 Nov. 44

1) - Reference Lt.Col.W.M.Lapper's telephone conversation with Lt.Col. Lindburgh concerning staff difficulties at the Lardarello Power Station.

2) - The attached letter has been handed in by Engineer ALFIO MICARELLI and fully explains the position.

3) - We are concerned in the matter owing to the assistance which Eng. Virgili and Eng.Micarelli are giving in the rehabilitation of the Electric Power Plants at Lardarello and dismissal of these men would we think jeopardise the position.

4) - Would you please treat this matter as most urgent.

W.M. LAPPER
Lieut-Colonel, R.E.
Chief Elec. Div

1 enclosure

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

TRANSLATION

"LARDARELLO"
S.A. per lo sfruttamento
delle forze endogene
ROMA
Direttore Generale

Lardarello, Nov. 14 th 1944

MEMO FOR MAJ. BELL OFFICER IN CHARGE

Yesterday afternoon Nov. 13th in Lardarello Factory, Count Federico Ginori Conti, without our knowledge, had a meeting of the zone political representations (National Liberation Committee), of the Factory Committee and workmen representations of the serveral factories of the Co.

Count Federico Ginori Conti declared that Ing.Virgili proposed at the Board of Directors of Lardarello Co. the dismissal of great number of workmen and that the proposal was declined by the Board, for interest of Count Ginori.

Count Ginori closed expressing the necessity of dismiss engineers Virgili and Micarelli from the Management, provking a subscription from the staff that has to be sent to Rome. The staff was very mush impressed by the declaration of Count Ginori, so much that the subscription is gathering many signatures.

Aquainted to-day with this fact, we assembled the Factory Committee to declare that what Count Ginori said does not correspond to the truth and that w e will report this matter to Rome to take adequate measures.

A copy of this Memo will be given to the General Mamenger of the State Railway.

Signed

Eng.ENEA VIRGILI
Eng.ALFIO MICARELLI

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

To Gen Offi
File Through Ch
Lapbr Insert 3/14/6c

158

9

MEMORANDUM FOR FILE

Subject: Agreement Between SRE and Società Cartiere di Tarquinia re Operation of Tarquinia Generating Station.

1. Attached hereto is a signed copy of an agreement between the S.R.E. and the Società Cartiere di Tarquinia, relating to the operation of the Tarquinia Generating Station.

2. There have been some differences between the Romana and Tarquinia Companies concerning this plant. I believe that this meeting resulted in complete accord between the two companies.

3. Ing. Calenda Vincenzo of the Operations and Transmission Department was with me at the meeting and is familiar with the present situation.

V.S. RENTON
Major, Inf.
Operat. & Transm. Div.

Attachment: Agreement dated 16 November

448

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

Nella riunione tenuta sotto la presidenza del Maggiore Renton e dell'Ing. Callenga tra l'Ing. Rovelli e l'Ing. Battiglione della Società Romana di Elettricità e il Dr. Franchetti incaricato dell'Amministratore Unico Dr. Molina della Società Cartiere di Tarquinia, si è stabilito quanto segue.

1°) La gestione della Centrale Idroelettrica delle Cartiere di Tarquinia verrà assunta dal giorno 1° dicembre 1944 direttamente dalla Società Anonima Cartiere, la quale provvederà a tutte le spese inerenti e conseguenti al normale funzionamento della Centrale. La Società Cartiere si impegna però di eseguire il servizio secondo le modalità tecniche che verranno impartite dalla Società Romana di Elettricità, tenuto anche presente che la Centrale in oggetto dovrà funzionare in parallelo sulla rete della Società Romana di Elettricità.

2°) La Società Cartiere si impegna di mettere a disposizione della Società Romana di Elettricità tutta l'energia che la Centrale è in grado di produrre dalle ore 6 alle ore 21 di ogni giorno, dopo aver detratto il quantitativo di energia assorbito dalle Forze Militari Alleate dimoranti attualmente nelle cartiere.

3°) La Società Romana di Elettricità pagherà mensilmente a presentazione di fattura i kWo da essa ritirati e misurati nella cartiera al prezzo di cm. 10 per ogni kWo.

I presenti accordi hanno vigore fino a quando la Cartiera non si trova in condizioni di riprendere la sua normale attività.

Roma, 16 Novembre 1944.

447

Allied Military Government

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

(COPY)

Tel. 42061

V3V/cdg

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

AOO/153/PWU

7 October 1944

Subject : Electric Energy from Tarquinia Hydro Electric Plant.

To : Paper Mill - Tarquinia.

1. Because of the shortage of electricity in Central Italy, it became necessary, about one month ago, for the Headquarters Allied Control Commission, to request the Societa' Romana di Elettricita' to arrange with your company to receive the energy from the hydro-electric plant at the Tarquinia Paper Mill.

2. At the time that the Romana Company, was requested to obtain electricity from the paper mill an oversight was made because your company was not informed by this Headquarters that it was necessary to use every possible source of electric energy. It is regretted that your company was not told of this situation because it is believed that had your company been informed of the need for electricity you would have been willing to supply all the electricity it is within your ability to furnish.

3. The Headquarters Allied Control Commission have been informed that your Director feels that it is undesirable to use the electric plant as a means of electricity supply to Central Italy.

4. At the present time, it is still considered necessary to use all the available power from the Tarquinia Paper Mill, and your fullest cooperation is requested in order that this may be done. If there is further any question over this matter, or if any assistance is required in resolving a friendly agreement between your company and the Societa' Romana di Elettricita', you are invited to come to the Headquarters, Allied Control Commission, Public Works and Utilities Sub-Commission at any time.

W.J. BAIRD
Major, C.E.,
Acting Chief, Elec.Div.

Copy to Societa' Romana di Elettricita'

446

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

Tel. 45031

(COPY)

Vs/Vs

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

ACC/158/PWU

7 Ottobre 1944

Oggetto : Energia elettrica dalla Centrale Idroelettrica di Tarquinia.

A : Cartiera di Tarquinia.

1. A causa della scarsezza di energia elettrica verificatasi nell'Italia Centrale, la Commissione Alleata di Controllo, circa un mese fa, ritenne opportuno richiedere alla Societa' Romana di Elettricita' di prendere accordi con codesta Societa' onde ottenere energia dalla centrale idroelettrica annessa alla Cartiera di Tarquinia.

2. Questo Comando, quando richiese alla Societa' Romana di ottenere elettricita' dalla cartiera, a causa di un malinteso, non informo' codesta Societa' della necessita' di usare qualunque possibile sorgente di energia elettrica. Si e' molto dolenti di non aver informato codesta Societa' in quanto si ritiene che se fosse stata informata del bisogno di energia essa sarebbe stata disposta a cedere tutta quella che era in grado di fornire.

3. La Commissione Alleata di Controllo e' stata informata che il vostro Direttore non ritiene desiderabile usare la Centrale elettrica quale mezzo di alimentazione per l'Italia Centrale.

4. Attualmente e' ancora considerato necessario usare tutta l'energia disponibile alla centrale di Tarquinia e si gradirebbe la massima cooperazione da parte di codesta Societa' per raggiungere questo scopo. Se dovesse sorgere un ulteriore questione in questo argomento o si rivelasse necessaria qualunque forma di assistenza per raggiungere un accordo amichevole fra codesta Societa' e la Romana di Elettricita', questa Commissione Alleata di Controllo e' a vostra disposizione per riceverVi in qualunque momento.

N.J. BARRY
Major, C.E.,
Acting Chief, Pwo.Div.

Copy: to Societa' Romana di Elettricita'

000 G 158 C

4 OCT Rec'd

Società Romana di Elettricità

Per azioni - Sede in Roma - C. P. C. Roma N. 2247
capitale sociale L. 138.000.000 - versato

Servizio Distribuzione Nord (ex Volsinia)

Roma (47) li 3 Ottobre 1944
VIA POLI, 14

B.V/ap

152/198

HEADQUARTERS
Allied Control Commission
P.W.U. - APO 394 - Via Veneto

Centrale Cartiera Tarquinia

All'atto del nostro accesso alla Centrale della Cartiera di Tarquinia, il Direttore della Cartiera (al quale avevamo esibito la Vostra lettera del 14 agosto) dichiarò il legale ed arbitraria la occupazione della Centrale, riservandosi ogni opportuna azione nei nostri confronti.

Poichè d'altra parte nessuna collaborazione ci viene data per l'esercizio, Vi preghiamo voler direttamente comunicare al Direttore della Cartiera che noi abbiamo agito dietro Vostro ordine, e che Vostra è stata l'iniziativa di rimettere in funzione la centrale per immetterne l'energia sulla rete Romana.

Capt Priedy
please hand
this translated

SOCIETÀ ROMANA DI ELETTRICITÀ
DIREZIONE GENERALE

443

Copia a Cv.

Allegato :

Copia di lettera N°116/198
del 12-9-44 alla Cartiera

C/Ez.

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

Servizio Distribuzione Nord (ex Volsinia)

Roma 03 li 3 Ottobre 1944
VIA POLI, 14

B.V/ap
152/198

HEADQUARTERS
Allied Control Commission
P.W.U. - APO 394 - Via Veneto

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Capt Purdy
please have
this translated
Hitch

SOCIETÀ ROMANA DI ELETTRICITÀ
DIREZIONE GENERALE

443

Copia a Cv.

Allegato :

Copia di lettera N°116/198
del 12-9-44 alla Cartiera

C/EE.

This seems to be urgent.

GEO.
5/10.

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

SOCIETÀ ROMANA DI ELETTRICITÀ
Servizio Biblioteca Nord (ex Volsinio)

COPIA

Doc 158 C

I2 Settembre I944

B.V/ap

II6/I98

CARTIERE DI

T A R Q U I N I A

(Viterbo)

Centrale Idroelettrica Tarquinia

Per ordine del Comando della Commissione Alleata di Controllo - Sottocommissione Lavori e Servizi Pubblici APO 394 Roma, - noi abbiamo assunto l'esercizio della centrale annessa alla Cartiera per convogliare l'energia sulla rete a I0.000 Volt che alimenta la zona laziale e sud toscana.

Il nostro compito essendo limitato alla produzione della energia, noi avremo cura di mantenere l'impianto in condizioni di efficienza per tutta la durata del nostro esercizio, gradiremmo peraltro che venisse eseguito insieme un inventario e una ricognizione dello stato dell'impianto.

La centrale è entrata in parallelo sulla rete ieri II settembre.

Per l'uso dell'impianto saremmo di avviso di corrispondervi un canone mensile di L. 4.500, provvedendo noi ai materiali di consumo e alla normale manutenzione.

Restiamo in attesa di Vostre comunicazioni e distintamente Vi salutiamo.

Cp. e Cv.
" Ct.

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

B.C/ap

II6/I98

CARTIERE DI

T A R Q U I N I A

(Viterbo)

Centrale Idroelettrica Tarquinia

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Cp. a Cv.
" Ct.

444

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

14 SEP Recd

158 Civ.

P.W.T.U.

Società Romana di Elettricità

Per azioni - Sede in Roma - C. P. C. Roma N. 2217
capitale sociale L. 250.000.000 - versato

1838

Servizio Distribuzione Nord (ex Volsinia)

Roma 12 Via Poli 14 — 12 Settembre 1944

B.V/ap

/198

HEADQUARTERS
Allied Control Commission
APO 394 - Via Veneto

53

Centralina Tarquinia

A Vostra ACC/158/PWU del 14 agosto.

Sono stati ultimati i lavori per l'allacciamento della centrale idraulica della cartiera di Tarquinia; la centrale è stata da noi messa in esercizio, ed è in funzione in parallelo sulla nos/ rete a 10.000 Volt, a partire dall'11 settembre alle ore 11.

La potenza ricavabile è per ora limitata dalla prestazione del trasformatore 500/10.000 Volt da 175 KVA.

Abbiamo però preso accordi con la Società Generale Esplosivi e Munizioni di Orbetello, la quale ci concederebbe l'uso di un suo trasformatore 10.000/500 Volt da 300 KVA.

Come già indicatovi, abbiamo bisogno del Vostro ausilio per il trasporto di detto trasformatore da Orbetello Scalo alla Cartiera di Tarquinia, e Vi chiediamo di mettere a nostra disposizione un automezzo adatto, tenendo presenti le caratteristiche del trasformatore che sono : altezza 1,50; dimensioni in pianta 1,20 x x 1.00; peso 30 Q.li circa.

442

Restiamo in attesa di Vostre comunicazioni per precisarVi dove e a chi l'automezzo dovrebbe presentarsi.

SOCIETÀ ROMANA DI ELETTRICITÀ
DIREZIONE GENERALE

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

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

B.V/ap

112/198

HEADQUARTERS
Allied Control Commission
APO 394 - Via Veneto

53

Centralina Tarquinia

A Vostra ACC/158/PWU del 14 agosto.

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SOCIETÀ ROMANA DI ELETTRICITÀ
DIREZIONE GENERALE

Copia a Cv.

To HEADQUARTERS ALLIED CONTROL COMMISSION
APO 394= VIA VENETO

R O M A

Roma, September 13th 1944

Subject : Electrical Station of Tarquinia

Reference to your letter ACC/158/PWU of August 14th last.

The work to connect the steam-station of Tarquinia's Paper Mills has been finished, the station has been put into exercise by us and it works on parallel on our 10.000 Volt net since the 11th of September at 11.00.

The power presently supplied is limited by that of the transformer at 500/10.000 Volt of 175 KVA.

We have taken accords with the Società Generale Esplosivi & Munizioni of Orbetello which would give us the use of one of its transformers at 10.000/500 Volt of 300 KVA.

As already notified to you, we would want your help to convey aforesaid transformer from Orbetello Scalo to the Paper Mills at Tarquinia and we therefore request you to avail us a suitable lorry. The characteristics of the transformer are the following:
Height m. 1.50- base m.1.20 x1.00- weight about 30 Quintals.

We are waiting for your answer in order to take accords where and to whom the lorry is to be taken to.

441

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

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

COPY

TARQUINIA HYDRO PLANT (Paper Mill).

The Romana Co. could not yet accede to the plant as the proprietor is not present.
Romana needs an order to put in operation the station and after - in one week the station can operate with 200 to 300 KW connected if the excitation will result sufficient at 45 cycles non connected if not.
In any case the trahsmission lines admit a convenient operation.

S/ Errera.

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

Tel.480081

HEADQUARTERS ALLIED COMMISSION
A.F.H.Q. 394
Public Works and Utilities Sub-Commission

RAB/ac 8

Reference : 15E/ /PWU
Subject : Log of Major R.A.B ell

16 Nov. 44

T o : Lt.Col.W.K.LA[illegible]ER - Chief Elec.Div.
Reg.Com.Lazio-Umbria Region (Attn Regional Engineer)
Reg.Com.Toscana Region (Attention Regional Engineer)
P.B.S. Engineers (Attention Lt.Col.C ooley)
Provincial Commissioner - Terni (Attention Maj.Lee)
Hq. 5th Army AMG (Attention Ca t.Gaither)

1) - Attached herewith is copy of the log of Maj.R.A.B ell for the period October 29th to November 16th inclusive.

E.J.BARRY
Major, C.E.
Acting Chief Elec. Div.

1 enclosure

439

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

LIAISON MAJOR R.A. BALL

October 29th - Rome

Conference with Maj. Benton - get Maj. Rivet's approval to cut load at Villa Valle in following order : 1 Rieti, 2 Mark Montoro, 3 Colato 4 Terni (interconn). This was obtained from Maj.Rivet who suggests that Colato be served to N. 1 position on completion of Terni-Foligno transmission line.

October 30th

Journey to Terni. Conference with Maj. Rivet (as above). He also says there are two power mills in operation near Arezzo and possibly one of these can produce filter paper Sal.Price phone check. Before load is cut off due to overload (above) every effort should be made to determine what is causing overload and warn concerned parties before dropping load. The AFHQ directive making military C.O. responsible for electricity rationing is interpreted by Maj. Rivet to mean that the delegates this authority locally to AC representative but that AC representative must stay within authorised allotment. Maj. Rivet is checking all points between Rome and Montoro and Florence for unauthorised energy users. When Colleto N. 1 come on he recommends following allotments :

10,000 KW to northeast
10,000 " " north center
15,000 " " Rome area

Conference with Director De Gasperi - ACC4 Company has promised to send coke and lumber (for stairs making) to Terni within a week. The Castel Madama Station now needs rotors for the two turbines. This was not known before and will delay the job. How much is not known until old rotors are brought to Terni. Tivoli drawings are being made by terni draftsmen and will be ready in two months. Two forgings for ACC4 progressing on schedule.

October 31st

Conference with Eng.Gigli and Pietramarco. Tires for transmission line crews most important as trucks will soon be immobilized - Maj. Benton attention. Jutticia unit turning this afternoon. Connections through interconn Co. already made.

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Journey to Rome with Sgt. Nichols (for Maj.Benton).

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November 1st

Conference with Maj.Berry. Have Terni make return for Castel Madama cast iron. New schedule for ACEA plants - Castel Madama February 15th (exclusive of return) Mandela March 15th , Saliceno March 31st. Journey to Terni.

November 2nd

Talked to Maj. Berry - return to Rome to-night to guide Maj.Gen. Mc Creach on inspection tour of Terni.

Conference with Maj.Fricker. Attended meeting with Leader of Communist Party, Mayor of Terni, and the Leader of the Reconstruction Societ y of Italy concerning petition they had signed in regard to new director of Interamn Co. They agreed to refrain from this activity without first consulting Maj.Fricker. Mayor wants more electricity for Terni - has recently been cut to 450 KW - Attention Lt. Brubaker.

Conference at Rieti has taken Eng.Morrelli (?) of Terni Co. into custody. He is needed in transmission line rehabilitation - attention Maj.Benton. Conference with Director De Gasperi. C.M. for cast iron for Castel Madama return. He desires letter from ACEA to that effect - Maj.Berry leave Saturday. Journey to Rome.

November 3rd

Journey to Forka Ii. I and Terni and return with Maj.Gen.Mc Creach.

November 4th

Cancelled trip to Lardarella on account Highways 1 and 2 out.

November 5th

For road information call traffic control - Rome 566914.

November 6th

Called C.I. Dry - Eng.Morelli cannot be released from jail per Maj. Fricker.

Car of transformer oil is at Pallanica for Lardarello Company. Notified Rome Office. Journey to Terni.

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November 7th

Conference with Eng.Pietrosanto - Manager of Nera Montoro who he has settled difficulties over taking orders from Villa Valle. No further action must

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ed. Two tons of tin should b e reserved for Galileo re pairs. Mobilad Lt. Simpson at Steel Works. Three MC sets at Barberdo and 3 Galeto available for Lt.Col.Cooley. Journey to Rome.

November 8th

Journey to Lerderello. Sgt. Nichols started with 40 ton truck but returned to Rome due to roads.

Conference with Sng.Virgili. Glass and bricks needed . Arranged to go to Livorno to discuss this with Lt.Col.Cooley. Carbide needed badly. Malor Price Glass Bottle. Steel from Piombino and oil from Follonica will be obtained when the road bec omes passable. R e air work is now going on 4 Ks. south so that 40 ton truck can get in (my jeep turned at this point and I walked the last 4 Km. to Lerderello).

November 10th

Tires needed for trucks and passenger cars. They are to discuss this with Maj. Lee.

November 11th

Journey to Florence.

November 12th

Conference with Maj.Lee and Capt.Gaither. Sgt. Nichols to report to Maj. Lee for duty. Journey to Lerderello.

November 13th

40 ton truck transport arrived in Lerderello. Loaded transformer and got half way to Castelnuovo - being pulled with block and tackle over steep curves.

November 14th

Trip to Livorno and return to Lerderello. Delivered Sgt.Nichols to convoy headed for Florence warned Maj. Lee by telephone. Called Maj.Berry.

Conference with Lt.Col.Cooley - Capt. Lovell reporting to Lerderello to-day for operations ob servation. Glass for Lerderello has been released. Bricks will be re leased as PBS gets the request (informed Lerderello Co. to submit new request when they go after the glass). For additional transformer oil at Lerderello, ask PBS for it and it will b e released from Piombino - Major Major Briggs. Lt.Col.Cooley will be in Rome on Nov. 21st.

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T alked with C apt. Lovell at Landeralio.

November 15th

Inspected C astelnuovo with Capt. Lovell and left him with Engr. Kust. Journey to Rome with Director Virgili and Director Micarelli.

November 16th

Conference with Maj .Berry. C heck ACRA forgings at Terni and send to Rome on first available transport . Director Gig li and B occhicchio will be in Terni 9 A.M. to-morrow to report to me at Steel Works. Chec k on loading of exciter at Terni to go to Lt.Col.Cooley, A.C . transport being provided . J ourney to Terni.

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

Tel: 478906

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

VSR/lam

13 November, 1944

158/PWU

Subject: Rehabilitation Plans for Societh Elettrica Selt Valdarno

To : Regional Commissioner, Toscana Region.
(Att. Regional Engineer).

1. A meeting was held at Headquarters, Allied Control Commission on 10 November 1944 between representatives of the Public Works and Utilities Sub-Commission and the electric operating companies of liberated Italy. A letter was sent to the Societh Elettrica Selt Valdarno announcing the meeting. In addition, Captain Rosson's office was notified by telephone. However, it is understood that the Valdarno Company lacked sufficient time to prepare for the meeting, and consequently was not represented. It would therefore be appreciated if you would transmit to the Valdarno Company the information contained hereunder concerning the meeting.

2. The meeting was called by the Public Works and Utilities Sub-Commission to request the electric companies to prepare to submit rehabilitation plans for their respective companies up to 31 December 1945. It was explained that the plans of each company should be based upon the maximum utilization of equipment and materials locally available. It was recognized that certain basic items, such as insulating materials, are difficult to obtain, and that they may have to be obtained from sources without the country. All companies were asked to declare the stocks of insulating materials presently on hand, in order that the material may be utilized at the points of greatest need. It was explained that consideration should be given to the movement of plant to points of maximum utilization. An example of this would be the movement of a generator from a point where there is normally sufficient water for six months operation, to a point where water exist for all-year operation. The companies were

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instructed not to consider the importation of machinery in their plan.

3. The companies were asked to submit their detailed plans to the Public Works and Utilities Sub-Commission within ten days after the meeting, and to send a copy of the plan to the Italian Ministry of Public Works, Attention Ing. Visentini. Because the Valdarno Company has not been notified until now, it is requested that they be asked to submit their plan to your office for transmittal to this Sub-Commission within ten days after this letter is received, and that at the same time they submit a copy to Ing. Visentini.

4. To expedite the transmittal of our request to the Valdarno Company, two copies of an Italian translation of this letter are transmitted herewith.-

L.A. JENNY
Lieut-Colonel, C.E.
Director

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

el.489081 HEADQUARTERS ALLIED COMMISSION LWL/ac
A.P.O. 394
PUBLIC WORKS AND UTILITIES SUB-COMMISSION

Reference : 150/ /PWU 13 Nov. 44
Subject : Portable generating equipment
Allied Commission Headquarters
To : HEADQUARTERS COMMANDANT

1) - This Sub-Commission is indeavoring to secure portable generating equipment of sufficient size to operate the elevators in this Headquarters and to provide emergency lighting if necessary.

2) - Would you be in a position to furnish fuel and lubricating oil required and providing capable personnel to operate and maintain the machinery?

3) - In a few days we expect to have a report on three units of Italian manufacture and we are writing this letter for preliminary information.

E.J.BARRY
Major, C.E.
Acting Chief Elec.Div.

Ufficio Rapporti

Indir. Telegrafico: ACEA - ROMA
Telefoni dello Stato: 43 543 - 43 544
Conto Corrente Postale: 1/2902

COMUNALE
AZIENDA ~~GOVERNATORIALE~~
ELETTRICITÀ ED ACQUE

158. Roma (103), 31 OTT. 1944 ANNO XX
VIA MILANO, 62

Citare nella risposta:
"Servizio I°"
Prot. N. 6931
(da citare nella Risposta)

Spett. SOCIETA' TERNI
Acciaierie di Terni
T E R N I

e p.c. A.C.C.
Public Works and Utilities
R O M A

A seguito della ns/ lettera n.3643 del 20 Ottobre relativa al rifacimento di cappe in acciaio per turbogeneratore della Centrale Montemartini si trasmette il disegno ACEA N. 3193 in cui sono rappresentati gli anelli di bronzo accennati al 4° capoverso della citata lettera e già indicati sommariamente nel dis.3191 con essa trasmesso.

Anche i suddetti anelli si sono ovalizzati per l'eccesso di velocità sotto la pressione dovuta alle matasse degli avvolgimenti, e pertanto occorre rifonderli: ve li rimettiamo entrambi insieme con la presente: vi rimettiamo pure la seconda cappa in acciaio.

La fusione deve, naturalmente, essere eseguita con speciale cura onde resti assolutamente esclusa la formazione di soffiature interne, che comprometterebbero l'equilibratura del generatore: ove disponeste delle apparecchiature occorrenti, un controllo radiografico sarebbe assai utile a tale proposito.

Circa le tolleranze di lavorazione sia per le cappe sia per gli anelli e circa le avvertenze da aversi nelle lavorazioni vi comunichiamo quanto segue:

1°) tutte le superfici sia delle cappe sia degli anelli, devono essere lisciate (VV tab. UNIM n.16);

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del 8-11-44

./.

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

Citare nella risposta:
"Servizio I°"
Prot. N. 6931
(da citare nella Risposta)

Spett. SOCIETA' TERNI
Acciaierie di Terni
T E R N I

e p.c. A.C.C.
Public Works and Utilities
R O M A

A seguito della ns/ lettera n.6543 del 20 Ottobre relativa al rifacimento di cappe in acciaio per turbogeneratore della Centrale Montecartini si trasmette il disegno A/24 N. 3193 in cui sono rappresentati gli anelli di bronzo accennati al 4° capoverso della citata lettera e già indicati sommariamente nel dis.3191 con essa trasmesso.

Anche i suddetti anelli si sono ovalizzati per l'eccesso di velocità sotto la pressione dovuta alle matasse degli avvolgimenti, e pertanto occorre rifonderli: ve li rimettiamo entrambi insieme con la presente: vi rimettiamo pure la seconda cappa in acciaio.

La fusione deve, naturalmente, essere eseguita con speciale cura onde resti assolutamente esclusa la formazione di soffiature interne, che comprometterebbero l'equilibratura del generatore: ove disponeste delle apparecchiature occorrenti, un controllo radiografico sarebbe assai utile a tale proposito.

Circa le tolleranze di lavorazione sia per le cappe sia per gli anelli e circa le avvertenze da aversi nelle lavorazioni vi comunichiamo quanto segue:

1°) tutte le superfici sia delle cappe sia degli anelli, devono essere lisciate (▽▽ tab. UNI n.36);

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2°) l'aggiustaggio fra cappe ed anelli (diametro 670 del disegno 3191 deve corrispondere ad un accoppiamento "libero stretto" in grado "preciso". (Tab. UNIM n.21);

3°) per il diametro del foro della cappa (indicato con la quota 420 nel dis. 3191) è ammessa una tolleranza di 0,1 mm. in più rispetto al foro della cappa in vostre mani;

4°) non si è indicata alcuna tolleranza per il diametro esterno (mm. 680 del dis. 3191 e 3193) del collarino di accoppiamento fra anelli ed estremità del rotore in quanto si è ivi lasciato un sopraemetallo di circa 1 mm. onde poter lavorare in Centrale detto collarino all'atto del montaggio, evitando la confezione di un apposito calibratoio;

5°) le precedenti e tutte le altre tolleranze sono indicate nei disegni coi simboli UNIM ;

6°) per tutte le quote non espressamente indicate sui disegni vi preghiamo attenervi alle analoghe dimensioni delle cappe e degli anelli originali in Vs/ mani;

7°) vi preghiamo di voler riprodurre sui nuovi pezzi tutti i contrassegni punzonati od incisi sui pezzi originali.

Restiamo in attesa di Vs/ cortesi comunicazioni in esito alla presente ed anche alla precedente nostra 20 Ottobre 5643, ed in particolare a quanto riguarda preventivo di spesa e di tempo: Vi preghiamo di voler ridurre al minimo il termine di consegna, essendovi grande urgenza di poter rimettere in servizio il turboalternatore avariato.

Distinti saluti.

IL DIRETTORE

SC\
IC\

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

Translation

AZIENDA COMUNALE ELETTRICITA' ED ACQUE

Rome, Oct. 31, 1944

To: TERNI CO.
T e r n i

Copy to A.C.C.
Public Works and Utilities
R o m e

Referring to our letter n. 6643 Oct. 20 concerning reconstruction of steel terminal covers for Montermatini Plant turbogenerator, we forward the ACEA n. 3193 blue print showing bronze rings referred to in paragraph (4) of the above mentioned letter and shown approximately in drowing n. 3191 enclose with it. Those rings, too, have been distorted because of excessive speed cousing windings to press against them, and therefore must be cast again - we send them together with this letter and the second steel terminal cover.

Casting must be done with exceptional care to avoid any possible internal gas bubble which could impare the generator balance; if necessary equipment is available an X ray control would be desirable.

About tolerances for covers and rings and constructional details we outline the following points:

1) Surfaces of covers and rings must be machined (▽▽ UNIM nO. 36 sheet).

2) Coupling between covers and rings (diameter 670 of drawing n. 3191) must be "free-tight" of "precise" grade (UNIM No. 24 sheet).

3) The diameter of cover hole (420 on drowing n. 3191) can be made 0,1 mm. larger that the one of the cover now in your hands.

4) No tolerance has been shown for the external diameter (680 on drowings 3191 - 3193) of the coupling between rings and rotor because 3 mm. excess metal will be left there to allow for subsequent grinding work in the plant

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

R o m e

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4) No tolerance has been shown for the external diameter (680 on drowings 3191 - 3193) of the coupling between rings and rotor because 3 mm. excess metal will be left there to allow for subsequent grinding work in the plant thus dispensing from a special caliber.

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

5) Any, including above, tolerances are shown on drowings according to UNIM symbols.-

6) Any dimension not shown on drowings must be equal to that of cover and rings already in your hands.

7) We request also that every stenciling of old pieces be reproduced on new ones.

We wait for an answer to the present letter and also to the one no. 6643 Oct. 20 expecially concerning time and price foressen. We also request that every effort be made to complete construction as soon as possible, the operation of the turbo-generator beeing most needed.

Distribution:

Col. Lapper DRS-11-11-44 ltr to
Major Renton - Ing. Calenda - O.& T. File
Major Barry
Major Price
Capt. Vannoy.

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

Tel. 478200.

AD/sg

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

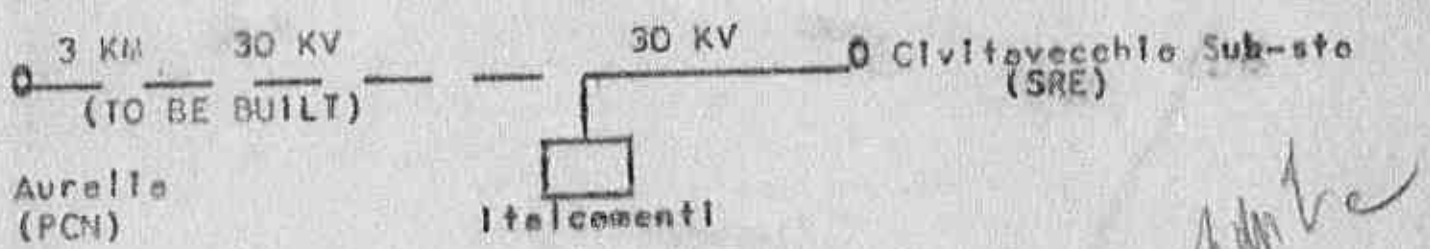
REFERENCE : AC/158/PWU.
SUBJECT : Operation of Prodotti Chimici Nazionali (Aurelia) Generating Station.
TO : Engineer Officer, PBS Advance (Attention Lt.Colonel G.Cooley). 10 November 1944.

1. As requested in your telephone conversation with Capt. Duran of this office, herewith is a general sketch indicating the manner in which it is contemplated to use Aurelia Steam-Electric Plant of Prodotti Chimici Nazionali.

2. Both the electric plant and Italcementi at Civitavecchia are designed for 50 cycle operation. It is the desire of Italcementi to have 2000 to 2500 KW available for full-scale operation which matches the anticipated production of power at Aurelia. In the light of these facts, it might appear expedient to turn the full production of Aurelia into Italcementi. However, in any event, additional line would have to be built in order to connect Aurelia into the existing system operating at 45 cycles.

3. It is contemplated that 3 KM of 30 KV line be built from the steam plant and joined with the existing 30 KV feeder from Civitavecchia substation to the plant of Italcementi as indicated on the sketch. In case of power failure from the steam plant, Italcementi could be fed as at present from the grid. If subsequent developments should require, the steam plant still could be synchronized with the 45 cycle system and supply power to the grid.

E.J.BARRY
Major C.E.
Acting Ch. Elec.Div.



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

Gen. Office File 2

Tel: 478906 HEADQUARTERS ALLIED COMMISSION VSR/lam
APO 394
Public Works and Utilities Sub-Commission

158/ /PWU 10 November 1944

MEMORANDUM FOR FILE

SUBJECT: Correspondence Relating to ACEA Transformers.

1. The attached correspondence, listed below, relates to 4 - 150/60/8 KV transformers moved from Rome to Terni in October and November 1944. The transformers belonged to ACEA; they were moved to Terni to be used at the Galleto Generating Station.

2. The Terni and ACEA companies made any financial arrangements between themselves; AC did not become involved. AC arranged both for need transport in Rome and for railway transport.

3. Before being moved to Terni, the transformers were standing, unused at the Laurentina Sub-Station of ACEA.

4. Most of the arrangements were handled with the Terni Company through Ing. Terzano. Sig. Adriano Mazzarda of the Electrical Division, Public Works and Utilities Sub-Commission is familar with the movement. Ing. Alberto Toscano also of the Electrical Division is generally familar with what occurred.

VINAL S. RENTON
Major, Inf.
Chief Operation & Transm. Dept.

List of attached correspondence:

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1 map
2 table
3 letter from ACEA no. 158 CCB dated 10/8/44
4 Design Drawing No. 3179 dated 16.8.944
5 Letter from ACEA No. 4927 Dated 18/8/1944
6 Note of ACEA on the transport od two transformer dated 18.8.44
7 Scheme of "Terni" on the transformer transport dated 9/9/44
8 B8 - Note of ACEA referring of 2 transformers dated 18/8/44

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

T/A.489081 2nd Ind. LWL/ac

MEMORANDUM

Reference : 158/ /PWU 7 Nov. 44
Subject : Power bill - line extention to 465th Bombardment Group (H) AAF
To : FINANCE SUB-COMMISSION
From : P. W. & Utilities S.C.

1) - Transmitted herewith is statement in the amount of 27.000 lire incurred by the Soc.Lucana per Imprese Idroelettriche in connection with the extention of 6 meters of 15 KW to the above mentioned Military Establishment.

2) - The attached bill is forwarded for necessary action.

E.J.BARRY
Major, C.E.
Acting Chief Elec.Div.

enclosure :
incl. 1 - ltr w/ trans.
" 2 - original bill (in quad) w/trans.
" 3 - ltr, Ministry of Finance w/ trans.
" 4 - Specification of expenses w/trans.
" 5 - 1st ind.

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36-2/Importazione
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MINISTERO DELLE CORPORAZIONI

I. An. Pitteri

Milano

Temporanea importazione di guarniture di cuoio

Declassified E.O. 12356 Section 3.3/NND No. 759019

S. Em. Pitteri

Milano

Temporanea importazione di guarnizioni di avviamento

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Declassified E.O. 12356 Section 3.3/NND No. 784019

20711