ACC 158/PWU

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

10000/150/464
(VOL. IV)

ELECTRICITY, CENTRAL ITALY
(FEB. 1945);
APR. - JULY 1945

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

158

A.F.H.Q.
C.M.F.
Tele No. Freedom 972.

SUBJECT: Electricity Supply TARVISIO Grid. ENG/2004.

TO : PW&B (Elect Division) HQ, A.C. 31 July 45.

Reference letter CE 1 District No.166 CE Works, CE.3940 dated 27 July 45 and enclosures, copies already in your possession. It is noted that the figures given cover the period when considerable difficulty was being experienced in voltage control. However it does seem that a large number of outages, such as these, mostly of the order of half an hour, point to some inherent weakness in either control or perhaps lack of intelligence on the part of switchboard operators concerned.

May we have your comments please. The necessity of maintaining a constant supply needs no further emphasis.

Total for 4 Part copies
10 - 4 Part copies
12 - 4 Part copies

A.G.J. DAVY,
Captain, R.E.,
for Brigadier,
Director of Works.

1002

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BEST COPY POSSIBLE

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

RECEIVED
P.W. & D.P.S/C A.C.
31 JUL 1945 158

125

[illegible] HEADQUARTERS ALLIED COMMUNICATIONS ZONE
APO 394
[illegible]

RWJ/Bella

26 July 1945

Tel. Algiers - 326.441

Ref. AG/3644/ZIS.

SUBJECT : Steel for the repair of Electric Transmission Towers on Tunis-Tocoaza Line.

TO : Deputy G-4, Sunsil, Algiers.

1. We refer you to our letter AG/3644/ZIS. of 20 June forwarding you an extract from a Utilities Sub-Commission 170 item of steel requirements which you declared you held in stock on the occasion of the writer's visit to Tunis with Lt. Col. Hanson.

2. We understand from Lt.Col. Hanson that you are not prepared to release this steel due to materials for Public Works & Utilities sub-commission having a low priority, despite the fact that our instructions were imparted verbally on the writer's last visit to Tunis.

3. The repair of the Tunis-Tocoaza line is of very high priority due to the urgent need for fertiliser production and you are again requested to release the steel referred to.

4. Please also treat as high priority the quantity of Galvanised steel (barbed) which forms the subject of Public Works & Utilities sub-Commission's letter AG/3644 of 13 July '45.

1001

R. V. WARE, Capt.

for A. E. CLEMENTS
Lt.Colonel,
Acting Director,
Materiel Sub-Commission.

Copy to 1 -
U.S. Logistics Section,
GHQ, AEF.

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

Subject:- Electricity Supply - TEKOA Grid.

C.E. No 1 District.
No. 166 C.E. Works.
GE 3940.

27 July 45.

DW
AFHQ

Copies to:- F.W. & U. (Elec Div) HQ AC.
20 CRE Wks.
67 CRE Wks.

The attached copy of 67 CRE Wks letter 491 of 21 July 45 showing numerous interruptions in the supply is self explanatory. It appears from enquiries made that the bulk of the trouble lies between TEKOA, TOLEFTINO and ARCOLA. The main breaker is constantly working at TOLEFTINO. The importance of the Military Installations dependant upon this supply is well known, at the same time many civil water supplies are affected. Please therefore may action be taken to ensure a more reliable supply particularly in view of the possibility of E & M personnel not being available to operate stand-by plant at some future date.

RECEIVED
FW 3.0. HQ A.C.
28 JUL 1945 15h

CWEJ/FJC.

126 Apl
12-4 Pantelleria

C. Wes Jackson Major R.E.
for Brig.
C.E.

1000

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

COPY.

Subject:- Electricity Supply - TRONTO Grid.

HQ 67 CRE (Works)
217 Area, CMF.
Ref: 421.

21 Jul 45

GI 1 District.

1. Appended herewith, please find detailed list of interruptions in the electricity supply occurring during the last month on the TRONTO - SENIGALLIA - RIMINI, HT Power Line as recorded at CATTOLICA sub-station.

2. It will be appreciated that these interruptions in supply are of such duration and frequency as seriously to impair the efficiency of installations in the affected area which rely for their continued operation primarily on electricity supplied from the mains.

i.e. Water pumping stations at FANO - PESARO - RIMINI.
No.66 (Br) Gen Hospital. No.6 Polish Gen Hospital, etc.

3. Stand-by plant is installed in all priority establishments, but it is pointed out that under present conditions this equipment is being called upon to operate far more frequently than was anticipated at the time of its installation. It is not always capable of successful continuous operation and this requires an unnecessarily large number of E & M personnel for its maintenance.

4. May an assurance therefore be obtained that a more sure supply will be available in the future. Without this it will not be possible to reduce the commitments of British E & M personnel and at the same time avoid major complaints regarding the supply of water and light to important installations.

994

(sgd) ??????????
Lieut-Colonel. C.R.E.

CONFT.

Appendix to 57 CRE (Works)
Letter ref 491 of 21 July 45

BROADCASTS ON THE ANCONA - CASTELLIDA LINE

13 June 45	0025 hrs	to	0035 hrs
	0045 hrs	to	0105 hrs
	1840 hrs	to	1850 hrs
	2350 hrs	to	0015 hrs
14 June 45	0750 hrs	to	1145 hrs
	1400 hrs	to	1640 hrs
15 June 45	0545 hrs	to	0555 hrs
	0620 hrs	to	0630 hrs
16 June 45	2350 hrs		
	to		
17 June 45	0120 hrs		
18 June 45	2320 hrs	to	2330 hrs
19 June 45	0440 hrs	to	0445 hrs
	0530 hrs	to	0610 hrs
23 June 45	0020 hrs	to	0050 hrs
24 June 45	0810 hrs	to	1025 hrs
28 June 45	2155 hrs	to	2240 hrs
29 June 45	0508 hrs	to	0510 hrs
30 June 45	0805 hrs	to	0812 hrs
2 July 45	0605 hrs	to	0615 hrs
	1800 hrs	to	1820 hrs
6 July 45	1125 hrs	to	2045 hrs
7 July 45	0500 hrs	to	0555 hrs
8 July 45	0630 hrs	to	0720 hrs
	1100 hrs	to	1125 hrs
	1140 hrs	to	1315 hrs
10 July 45	2245 hrs	to	2300 hrs

998

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

PW 40.8/2

123

HEADQUARTERS
ALLIED MILITARY GOVERNMENT
LIGURIA REGION
APO 394

OFFICE OF REGIONAL ENGINEER

RECEIVED
P.W. & U. S/C A.C.
28 JUL 1945 158

25 July 1945

RIG/PWU/113

SUBJECT : Transportation of generators

TO : Public Works & Utilities Sub-Commission
HQs. A.C. A.P.O. 394 U.S.Army
Attention Lt. Col. RENTON.

1. In reference your 158/PWU dated 19 July 1945. The 16 ton generator for the GUARCINO-plant is not quite ready. Will be ready for shipment by 1. August 1945. Can be separated for shipment in 3 parts as follows:

(1) Stator..... 7 tons
(2) Rotor..... 5 tons
(3) Accessories.. 4 tons
16 tons total

2. The 4,5 ton generator for the VADO BUSANO plant is ready and can be moved at any time. Suggest both be moved together.

997

3. Transport : A/ Contacted Transportation Section 60 Sub-Area. Only if this movement considered higher priority than Port clearance could they make available army transportation.

B/ A.M.G. Transportation Section: No gasoline available until some time next month. Cost excessive.

C/ Sea Transport: A possibility, but very uncertain as to length of time involved.

D/ Railway: This office and SAN-GIORGIO

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

HQs. A.C. A.P.O. 394 U.S.Army
Attention Lt. Col. RENTON.

1. In reference your 158/PWU dated 19 July 1945. The 16 ton generator for the GUARCINO-plant is not quite ready. Will be ready for shipment by 1. August 1945. Can be separated for shipment in 3 parts as follows:

(1) Stator..... 7 tons
(2) Rotor..... 5 tons
(3) Accessories.. 4 tons
16 tons total

2. The 4,5 ton generator for the VADO CUSANO plant is ready and can be moved at any time. Suggest both be moved together.

997

3. Transport : A/ Contacted Transportation Section 60 Sub-Area. Only if this movement considered higher priority than Port clearance could they make available army transportation.

B/ A.M.G. Transportation Section: No gasoline available until some time next month. Cost excessive.

C/ Sea Transport: A possibility, but very uncertain as to length of time involved.

D/ Railway: This office and SAN-GEORGIO are of the opinion the railway is the best solution for transport of the generators. San Georgio is taking necessary steps to ship the generators by railway and will notify this office as regards the date of departure.

ELMO E. PARKER
Capt. Inf.
Electrical Officer

23 JUL 1945

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

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

P.W.40.S/C 988

Chief Engineer,
3 District CMF,
BASEBALL 84.
CE 6004/2/1

26 July '45.

122

Subject :- Electricity Allocation
Central ITALY Aug '45.

Regional Engineer Umbria Marche Region AC.

18 CRE Wks.
104 CRE Wks.

RECEIVED
P.W. & U. S/C A.C.
28 JUL 1945 158

1. The allocation of electric power for the month of Aug '45 to the Area of Central ITALY under 3 District Control, and supplied by the Central ITALY grid is :-

PROVINCE	0600hrs to 2200hrs KWx10³	0600hrs to 2200hrs KVIIx10⁶	2200hrs to 0600hrs KWx10³	2200hrs to 0600hrs KVIIx10⁶
FROSINONE	3.00	1.20	1.50	.35
RIETI	1.50	0.70	1.25	0.30
VITERBO	1.50	0.70	1.25	0.30
ROME	1.50	0.70	1.00	0.22
ACQUILA	1.50	0.70	1.00	0.23
TOTAL	9.00	4.00	6.00	1.40

2. As no margin of power had been reserved, any essential military load which may require connection during the month will necessitate surrendering part of the balance now handed over for civil requirements.

J. Stevenson.

(J.STEVENSON)
Major R.E.
for Brigadier,
Chief Engineer.

28 JUL 1943

996

JS/GHR..

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

Subject :- TOLENTINO Power Station

RECEIVED
P.W. & U. S/C A.C
27 JUL 1945 158

A.C. ANCONA

A.F. 0221

16 July 45.

105 42 120

Reference your A/103 dated 11 July 45.

Your action is appreciated. The statement made by the Prefecture, MACERATA is, however, most misleading. It is not proposed to permanently take power from TOLENTINO district. The order referred to a specific dated i.e. June 6. when other sources were out of action. It is only at such times of emergency that TOLENTINO need feed UMES system. Since in this instance the evening hours alone were involved, only few works were likely to be affected.

It is emphasised that only in extreme necessity will TOLENTINO be asked to feed ANCONA system to the detriment of the TOLENTINO district.

118 Ages

Field
AK/HSH

Capt R E
for Lieut Colonel R E
20 CRE Works

Copy to :- Elec. Sub. Comm. AFHQ.
Liason Div. AFHQ.

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

RECEIVED
P.W. & U. S/C A.C.
27 JUL 1945 158

AC 416 Rome Headquarters Records
APO Number Rosen

Translation

MINISTRY FOR PUBLIC WORKS

CENTRAL COMMISSION FOR CONTROL AND LIMITATION OF CONSUMPTION OF ELECTRIC ENERGY.

40
119

Rome, 5 July 1945

To: Provincial Commission for Rationing and Distribution of Electric Power to
ROME

Prot. No. 981

Subject: Requests for supply of electricity for civilian use in the territory of the Italian Government.

It has been ascertained that lately the load on the distribution system has increased considerably without the allotments made by the respective Provincial Commissions being able to justify the same increase.

It must be derived that this has occurred owing to concession made based on Paragraph A) of letter 17 May 1945 No. 572 whereby the electricity supply companies were allowed to connect consumers with power up to 10 KW without need of any particular authority. The fact is that such authority was given under the specific condition that the new connections should compensate other disconnections operated, so that the power and amount of energy already distributed, within the allotments made by A.C., should not be changed.

This authority was meant to simplify and to make less bureaucratic the enormous work of allotting new supply naturally relying on the sense of responsibility of the supply companies.

Though, it must be stated that this concession has given results contrary to the wishes of this Ministry.

995

Therefore, we beg this Provincial Commission to call to the attention of the electricity supply companies what above stated so that the load on the distribution system will be again within the limits of power and amount of energy granted by A.C.

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

Also we beg this Provincial Commission to notify them of the results obtained and to communicate to them that if such action will not be effective we will revoke the authority granted them and have all new connections, with no exception, examined previously by the competent Rationing Provincial Commissions.

Awaiting a reply we remain,

Yours truly

THE PRESIDENT OF THE CENTRAL COMMISSION
(Marco Visentini)

994

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

FILE

Tel. 478906 HEADQUARTERS ALLIED COMMISSION V3R/ec
APO 394
Public Works and Utilities Sub-Commission

118

Reference : 158/PWU 23 July 1945

Subject : Disconnection of Tolentino Generating Station

To : ITALIAN MINISTRY OF PUBLIC WORKS
(Att. Prof. A. Asta)

110

1. Reference is made to our letter dated 19 July 1945, File 158/PWU, SUBJECT : Disconnection of Tolentino Generating Station.

2. Transmitted herewith is a copy of a letter dated 19 July 1945 from Headquarters AMG Ancona, together with a letter dated 15 July 1945 from the Prefect of Macerata, both dealing with the Tolentino situation.

3. From the tone of this correspondence, it appears that all necessary action has been taken to avoid a repetition of the incident.

W.N. LAFFER
Lieut-Colonel
Chief Elec. Div.

cc : HQ AMG ANCONA
DW AFHQ
CE No. 1 District
20 CRE Works

Enclosures :
copy ltr dated 19/7/45 - HQ AMG Ancona
" " " 15/7/45 -- Prefect of Macerata

993

see folio 116

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

File 158

Tel : 489081
Ext : 317

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

24 July 45

REFERENCE : ~~122/PWU~~
SUBJECT : Movement of Terni Transformers from San Giorgio
TO : Regional Commissioner, Liguria Region,
Att : Regional Engineer.

1. Acknowledgement is made of your letter containing data relative to the two transformers of 3.000 KVA and 4.000 KVA capacity respectively, belonging to Societa Terni, and presently located at the San Giorgio plant. Thank you for the work which has already been done by your office in connection with these transformers.

2. It is understood that Ing. Seganti, of Terni Company has just returned from a visit to the San Giorgio works, and it was agreed by himself, San Giorgio, and SBO of Chiavari that movement of these transformers by SBO schooner would be dangerous, since they are to large to enter the ship hatches, and would have to be transported on deck, causing the ship to be unstable.

3. In the consideration of the information contained in the foregoing, is there any other means of transportation available whereby these transformers could be moved to Terni?

By command of Rear Admiral STONE :

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

992

Copy to file 158

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

RECEIVED
P.W. & U. S/C A.C.
158

HEADQUARTERS
AMG
ANCONA PROVINCE
ABRUZZI-MARCHE REGION
CMF

116

Subject: Tolentino - Electric Power.

To AC. P.W.& U.Sub Comm.

Ref.: ANC/ A./103

From A.C.C.Ancona

Date: 19 July 45

104

Ref your 158/PWU of 12 July 45.

I have now received a reply from the Prefect of Macerata concerning the matter of the Tolentino Power Station. I enclose a copy of this reply for your information.

With regard to para.2 of your letter, para.2 of my A/103 of 11 July 45 addressed to 20 C.R.E. (copy to you), explains that in Tolentino I have only the powers of a Liaison Officer and can take no executive action. However, I think you will agree that the reply of the Prefect now satisfactorily disposes of the matter.

Answered on 25-7-45

O.J.SAUNDER, Major, R.A.
Acting Commissioner, Ancona.

Copy to: Liaison Div. for info only.

991

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

Prefettura of Macerata.

Macerata, 15.7.45.

Ref: Gab.2660.
Subject: Tolentino - Electric Power.
To: Major Maunder, A.M.G. Ancona.

Ref. your communication of 19 inst. re use of electric power from the Power Station of Tolentino.

I have immediately ordered an enquiry in order to take action against those responsible.

From enquirires instituted by the President of Azienda Elettrica, Tolentino, with the assistance of the Sindaco, it was found that the incident which caused the legitimate resentment of the British Officer concerned was ~~caused~~ due to a mistake.

As a fact, neither the engineer nor any other official of the a/m Azienda refused the request of A.M.G., Ancona; it was an ignorant worker who,under the misapprehension that he was acting in the interest of the Azienda, arbitrarily took it upon himself to reply as you know.

While I inform you that severe action has been taken against the worker concerned, I beg to express my deep regret at this involuntary incident, also on behalf of the managers of the Azienda Elettrica of Tolentino, who ask me to assure you that it will not happen again and they are always prepared to offer their collaboration on behalf of the Allied Authorities.

The Prefect.

990

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

Tel. 478906

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

V3R/ac

115

Reference : 158/PWU

23 July 1945

Subject : Disconnection of Tolentino Generating Station

To : HQ. AMG - ANCONA

1. In connection with the recent refusal of the Tolentino Authorities to supply electricity to Ancona during an emergency there is transmitted herewith a copy of a letter dated 19 July 1945 Subject : Disconnection of Tolentino Generating Station, dealing with the same question.

By Command of Rear Admiral STONE,

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

Enclosure
copy letter dated 19/7/45

Doc 1124 & 1110

RECEIVED
P.W. & U. S/C A.C.
21 JUL 1945 158

P.W+U. S/C

HEADQUARTERS
AMG
ANCONA PROVINCE
ABRUZZI-MARCHE REGION
CMF

Subject: Electric Power Ancona.

To: Prefect of Macerata.

From: AMG.HQ.Ancona

Ref.: ANC/A/103

Date: 18 July 45

R

114

Ref my A/103 of 12 July.

I have received a further explanation from the British Military Authorities concerning this matter. It was not proposed permanently to take power from Tolentino district, but only to meet the emergency which arose on a particular day namely June 6 when other sources of electric power had failed. It is only in such an emergency that Tolentino would be called upon to feed Umes, and on June 6 the evening hours alone were involved and it was unlikely that local industries in Tolentino would suffer.

The Military Authorities ask me to make it clear that only in extreme necessity would Tolentino be asked to feed the Ancona system to the detriment of the Tolentino district. I would ask you to bring this to the attention of the Tolentino Power Station, and request their co-operation in any future emergency which may arise.

D.J. MAUNDER, Major, R.A.
Acting Commissioner
Ancona.

988

Copy to: P.W. & U. SUB/C
& Liaison. Dv.

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

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

P.W. & U. S/C

HEADQUARTERS
AMG
ANCONA PROVINCE
ABRUZZI-MARCHE REGION
CMTF

Subject: Electric Power, Ancona.

To: 20 C.R.E.

From: AMG.HQ.Ancona

Ref.: ANC/A/103

Date 18 July 45.

Ref your CRE 0221 of 16 July.

I am obliged for your further letter of explanation on this subject. I am forwarding the gist of your remarks to the civil authorities.

Copies to: P.W.& U.Sub/C
& Liaison Dv..

O.J.MAUNDER, Major, R.A.
Acting Commissioner
Ancona.

RECEIVED
P.W. & U. S/C A.C.
21 JUL 1945 158

987

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

FILE

Tel. 489081
Ext. 317

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

VSE/ec

Reference : 158/PWU

21 July 1945

Subject : Availability of Electricity
Central and Southern Italy - August 1945

To : SECRETARY ELECTRIC POWER COMMITTEE APLR(I) B

1. For the month of August 1945, the following quantities of electricity are available for allocation as measured at Sub-Stations :

			Central Italy	Southern Italy
kW	x 10^3	=	204.0	137.00
kWh	x 10^6	=	113.0	68.00

2. North Italy is now supplying the Florence area with 50 cycle power over 1 - 120,000 volt and 3 - 60,000 volt lines recently repaired. The northern supply has not yet been carried below Florence because the Central Italy Grid is still operating at 45 cycles.

3. Interconnection of North Italy with Central Italy awaits operation of the third 35,000 KW unit at Galleto (Terni). This machine originally expected ready on 20 July is now scheduled for the end of the month. With the starting of the third Galleto unit the frequency of the Central Italy Grid will be increased to 50 cycles, after which the increased allocation will be available.

For the Chief Commissioner,

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

986

cc 1 file 851

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

Tels. 47599 06

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

VSH/bb

158/PWU

19 July 1945.

SUBJECT: Disconnection of Tolentino Generating Station.

TO : Italian Ministry of Public Works,
(Att: Prof. A. Asta.)

1. Transmitted herewith are copies of correspondence relating to the disconnecting of the Tolentino Generating Station from Ancona during the recent outage at Galleto. As will be noted, the result of the disconnection was that essential military installations in Ancona were deprived of electricity.

2. It is also noted from the correspondence that the Prefect of Macerata has pleaded the case for separate operation of Tolentino, pointing out that local consumers would suffer severe hardships if the entire output of Tolentino station were supplied to the UNRRA Grid.

3. It is not believed that A.M.G. at Ancona ordered that the entire Tolentino output be made available to UNRRA permanently as from 1900 hours on 6 July, as might be implied by the telegram from the Prefect of Macerata. It is believed instead that the order was only intended to cover duration of the Galleto outage, which lasted about nine hours. That particular outage occurred under unusual circumstances and a repetition is not considered likely!

4. However, in the event that future emergency conditions prevent the normal electricity supply from feeding essential Allied military installations at Ancona, or at any other place in Italy, it is imperative that everything possible, done to restore the electricity supply to the military facilities, even to the extent of curtailing those civilian consumers which can withstand an occasional interruption. The military cold storage plant at Ancona is particularly important; without electricity, food stored there will spoil.

5. It is therefore requested that the authorities at Tolentino be notified that, although it is hoped that there will be but few interruptions to the electricity supply from the Central Italy grid,

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

essential military requirements for electricity must be given first priority.

W. M. LAWSON,
Lieut.-Colonel,
Chief Elec. Div.

c.c. D.N. AFHQ.
GK * 1 Metrick
20 CMZ Norks.

984

Encl. Copy also sent to
Mg AMC Arcuna
25/7

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

Tel. 478906 HEADQUARTES ALLIED COMMISSION VSR/ac
APO 394
Public Works and Utilities Sub-Commission

Reference : 158/PWU 19 July 1945

Subject : Electricity Requirements for Sulphur Mines in north Central Italy

To : MINISTRY OF PUBLIC WORKS
(Att. Prof.Eng. A.Asta)

1. Transmitted herewith is a copy of a report prepared by the Industry Sub-Commission relating to the electricity requirements of some sulphur mines in north-central Italy.

2. This report is forwarded to you with the recommendation that consideration be given to initiating repairs to the electric facilities supplying the sulphur mines.

17 - U the last reports

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

enclosure
Report - Power for North Italy

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

1093

HEADQUARTERS ALLIED COMMISSION
APO 394
INDUSTRY SUB-COMMISSION

Tel: 489081
Ext: 559

JHP/cc.

Ref. Mines-700.3

11 July 1945.

SUBJECT: Power for North Italian Sulphur Mines.

TO : Public Works & Utilities Sub-Commission.
Attn. Maj. Renton.

1. Attached is a tabulation giving the essential facts regarding the power situation and needs at the three large North Italian mines, as of/July 1945.

2. Regarding Cabernardi the hilime has now been completed and the mine is only awaiting allotment of power to commence operations. Request has been made thru the power company and has been handed to CMZ of the Sub-Area for presentation to the proper AFLRB. Of the various requests outlined in this letter, this one for Cabernardi is considered of highest priority by this Sub-Commission.

3. Regarding Perticara, our information from the electric company is that lines will be sufficiently repaired in a few weeks so that a small allotment of power will be available. However, the minimum allotment that would serve this mine would be 350 KW. Any less amount would not operate simultaneously the lifts, ventilating fans, air compressors, water pumps and other services necessary to minimum operation. If means can be found to furnish this

982

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

quantity to Perticara, the production of sulphur can be at such time immediately increased by 600 tons per month.

4. Regarding Formignano, the mine is without power and is gradually flooding. It is understood that the same restriction as to quantity of power available applies here as at Perticara.

5. It has been suggested that perhaps the line proposed to be reconstructed from Cesena to Rimini might follow a route to Mercato Saraceno and thence by way of the present loop thru Perticara to Rimini.

6. At any rate, we suggest a study of the power possibilities for the three mines in view of the program indicated as desirable in tabulation attached.

JOHN H. POLLARD, Lt. Comdr. USNR

For: W. J. MASKREY,
Lt. Colonel,
Acting Director,
Industry Sub-Commission.-

Incl (1) Tabulation

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

	CARBONARDI	PENTICARA	FORNICHIANO
Location	20 mi. N. Fabriano	Mercato Saraceno	15 mi. S. Cesena
Status	Ready to operate	Ready to operate	Flooding.
Present Power Source	Diesel plus 30-40 KW San Querico	Truck Motor driven Alternator	None
Present Power	120 KW	50 KW	None
Power required for minimum operation	800 KW	350 KW	120 KW
When desired	10 July	Soon as possible	Soon as possible
Reason for delay	Rebuilding hiline	Hilines down	Main hilines not heavy enough
Max. Power desired	1000 KW	700 KW	250 KW
When maximum desired	1 Oct. 1945	After 1 Nov. 1945	Soon as possible.

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

40e

Tel : 489081.
Ext : 317.

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

VSR/sg

REFERENCE : 158/PWU.
SUBJECT : Transportation of Alternator for Guarcino Generating Station.
TO : Regional Commissioner, Liguria Region
Att : Regional Engineer.

19 July 45

108

1. Sometime ago the Societh Romana di elettricith, at Rome, purchased two small generators from the San Giorgio works at Genova. These machines were for the Guarcino and Vado Cusano plants and weigh 16 and 4.5 tons respectively. Dimensioned sketches of each are enclosed.

2. These machines could be put in service almost immediately upon receipt here. It would be appreciated if you would check the possibility of providing transportation to move these machines to Rome. In the event that only one of the machines can be moved, the Guarcino machine is considered to have the higher priority.

3. Please inform the Public Works and Utilities Sub-Commission of your findings.

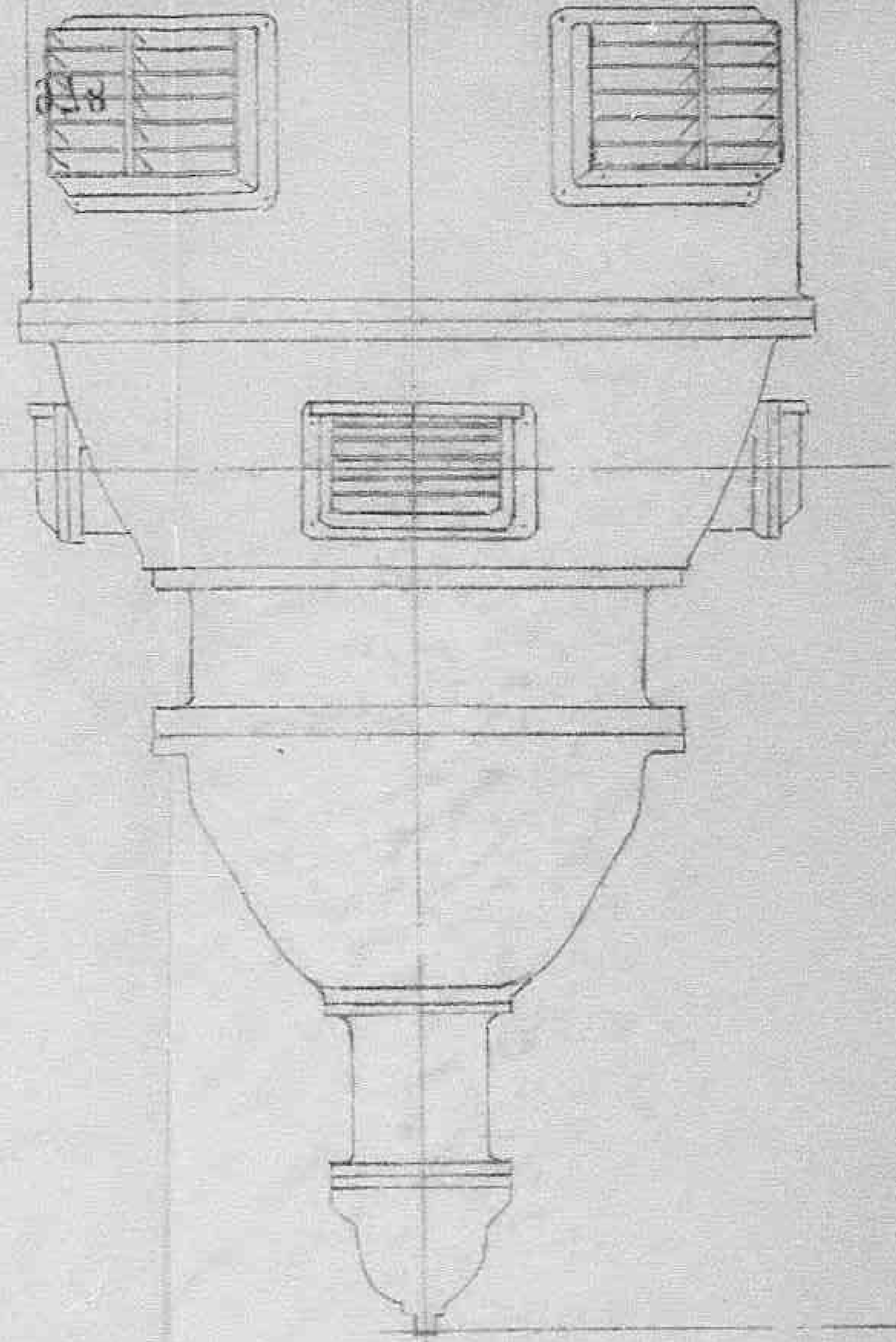
By command of Rear Admiral STONE :

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

Inclosure : 2 sketches.

979

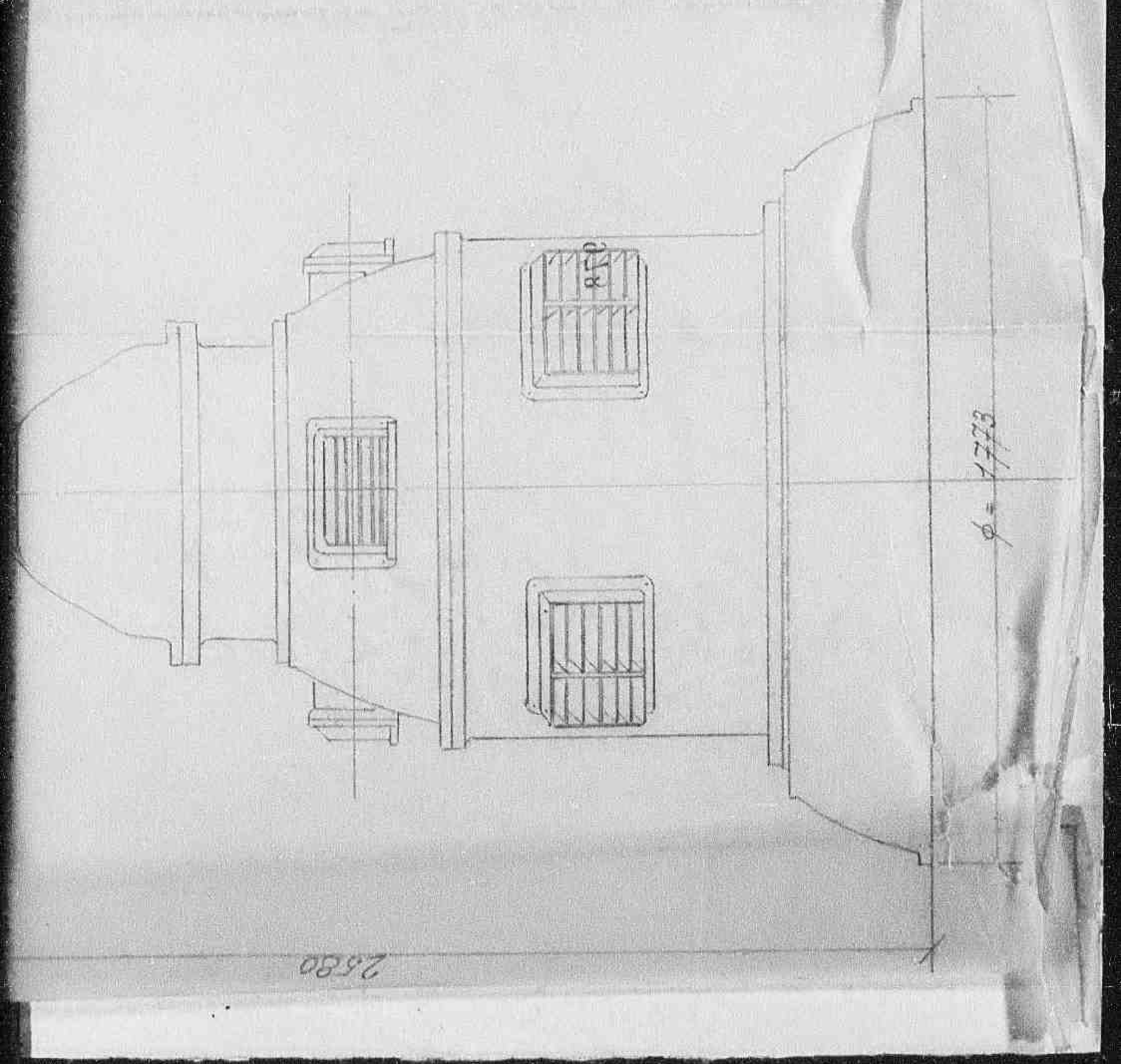
Declassified E.O. 12356 Section 3.3/NND No. 785019



-4-

VADO CVSANO PLANT

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



1225

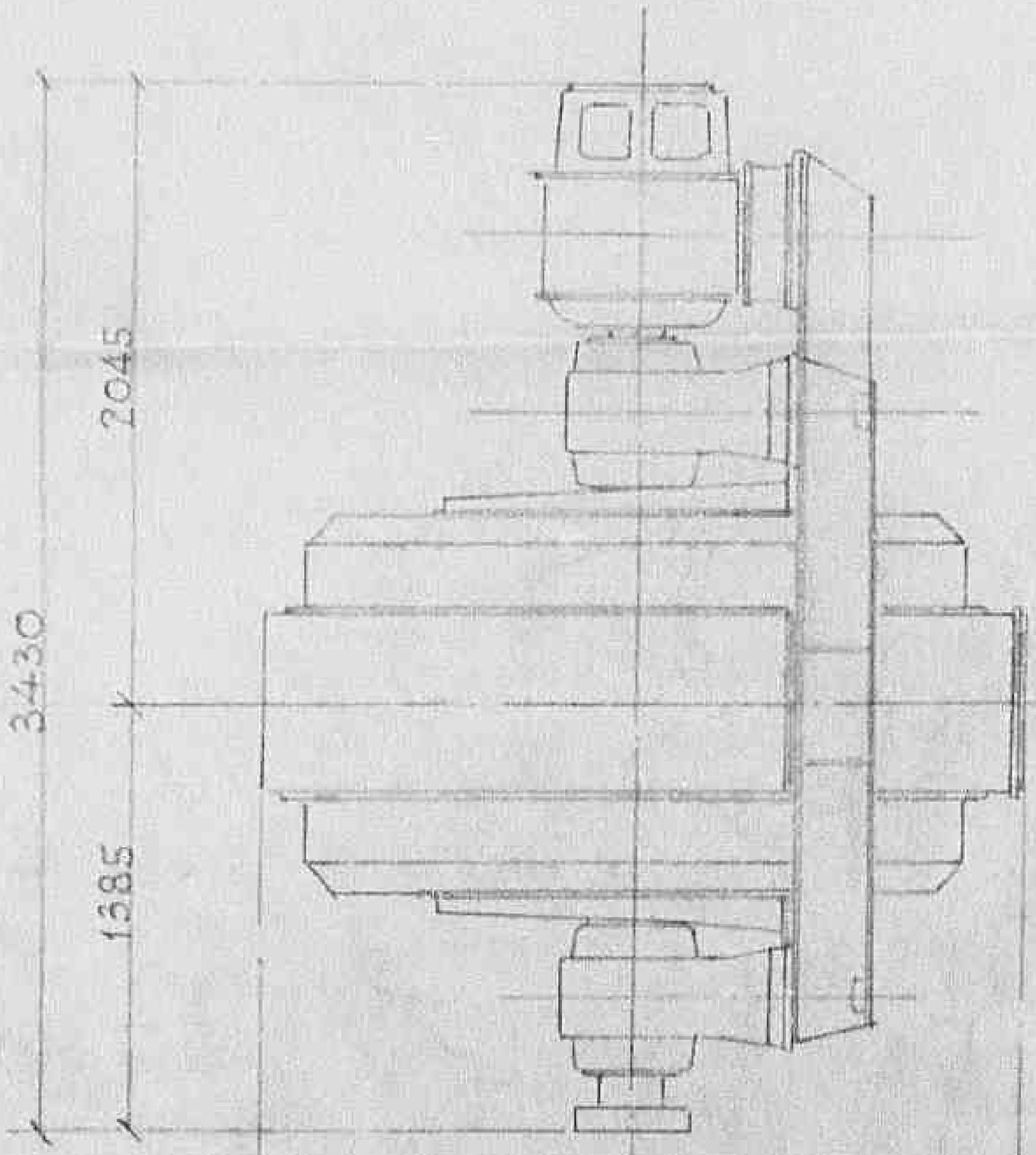
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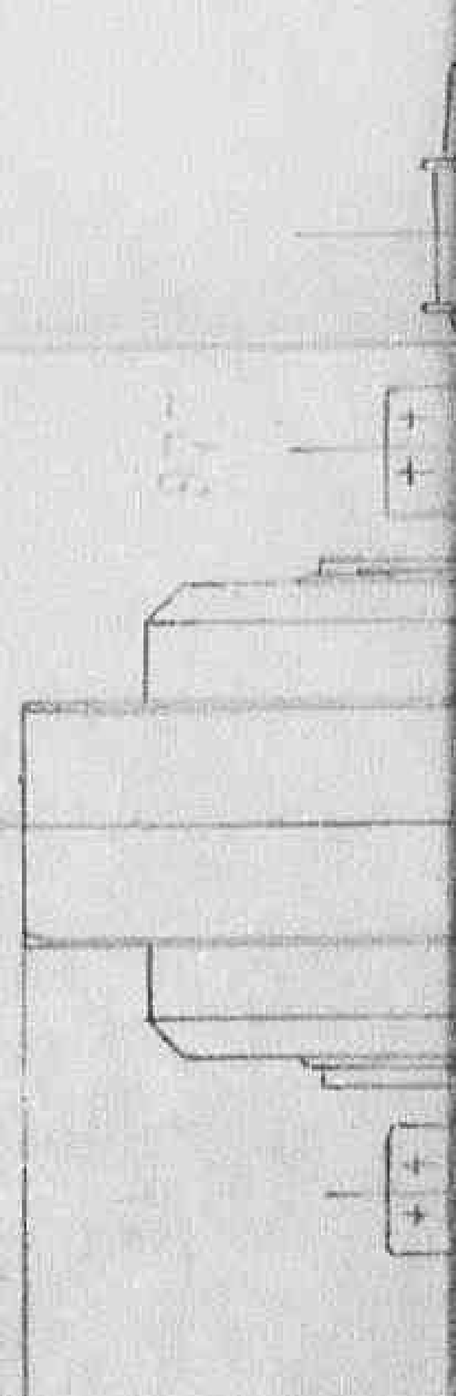
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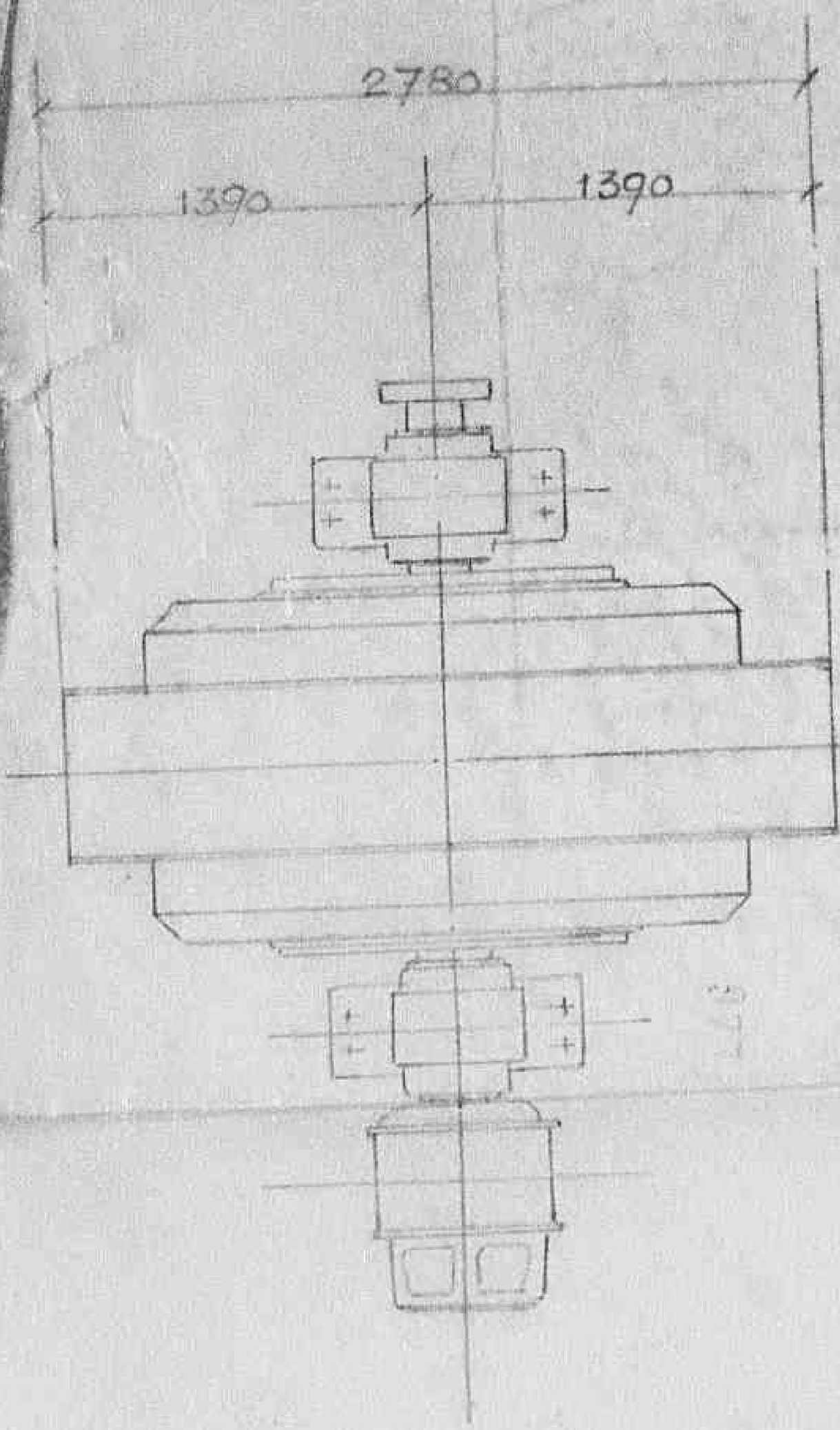
Declassified E.O. 12356 Section 3.3/NND No. 785019

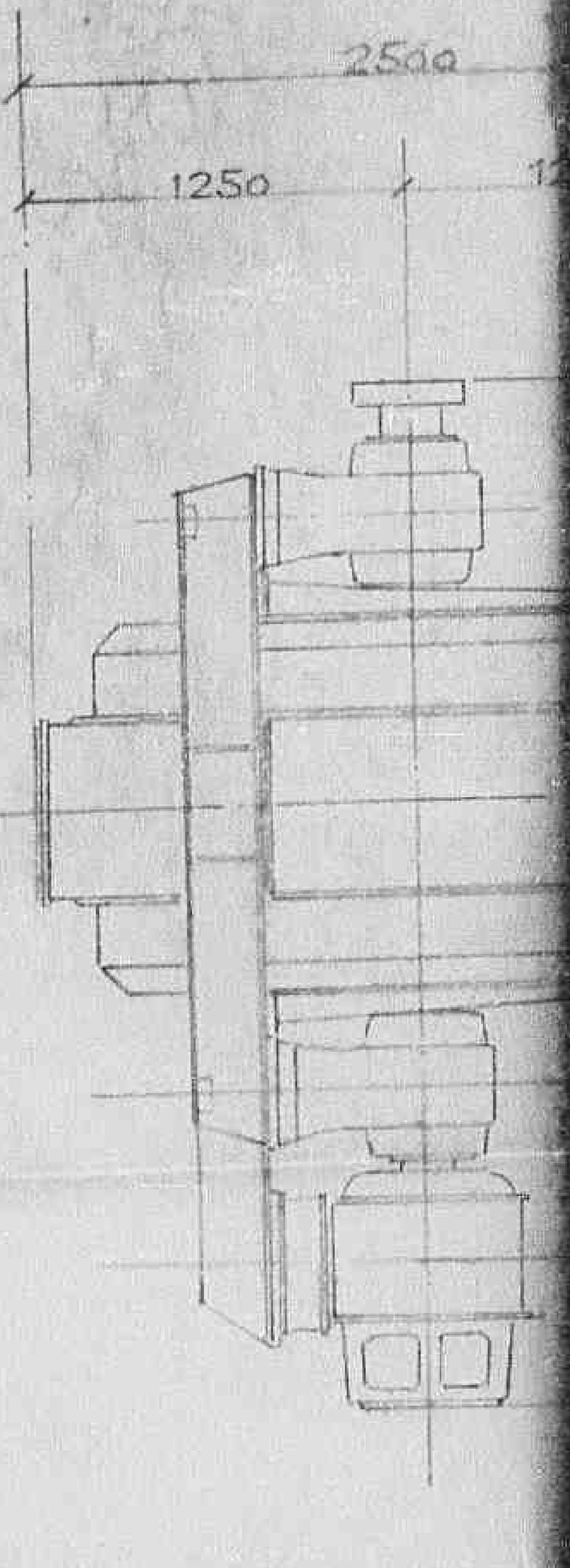
3-

- GVARCINO PLAN









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

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

Tel: 478906

File

HEADQUARTERS ALLIED COMMISSION VAR/bb

INTER OFFICE MEMO.

107

REFERENCE: 158/PWU 17 July 45.
SUBJECT : Electricity Presently absorbed by Valdarno.
TO : Chief, Electrical Division.
FROM : Lt-Col. Vinal S/ Benton.

1. Several days ago, Major Barry furnished information to this office concerning the amount of power supplied to the Valdarno system from the North. These figures are recapitulated below:

Source	Now supplied	Can supply	Line capacity
1-120 KV Line	18.000 KW	30,000 KVA	40.000 KVA
2- 60 KV Line	17.000 KW	20,000 KVA	25/30,000 KVA
TOTALS	35.000 KW	50.000 KVA	65/70.000 KVA.

2. In addition to the north supply, the Iarderello units, connected to the Valdarno system, are capable of producing 15,000 KW. Furthermore Nera Montoro is still supplying the Valdarno area from the south, with 6/7.000 KW. Provided that the peaks from the various sources are coincidental, the total load to Valdarno are as follows:

Source	KW
Lines from the North	35.000
Iarderello	15.000
Nera Montoro	6.000
	56,000

3. The July allocation for the Valdarno area is 47.000 KW divided as follows:

977

Area	Allocations - KW
Florence	16,000
Grossato	3.000
Iarderello	1.000
Leghorn	10,000

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

Area	Allocations KW (Cont.)
Lucca	5,000
Piombino	2,000
Pistoia	3,000
Prato	5,000
Siena	2,000
TOTAL	47,000 KW.

4. The difference between the allocation, 47,000 KW and the power furnished, 56,000 KW may be considered as transmission losses. Hence, it is concluded that the Valdarno area is now receiving almost the exact quantity of power allocated to it.

VINAL S. KEYTON,
Lt-Colonel, Inf.,
Plans and Operations.

Copy to: Advanced Section
Electrical Division
Att: Major R.J. Barry.

976

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

FILE

Tel. 478906 HEADQUARTERS ALLIED COMMISSION VSR/so

INTER OFFICE MEMO

106

Reference : 158/PWU 11 July 1945

Subject : Payment to Terni Company for Electric Energy

To : CHIEF, ELECTRICAL DIVISION - P.W. & U. S/C

From : Lt.Col. V.S. Renton

1. While at Terni yesterday I was informed by Prof. Eng. A. Angelini that the Società Terni is not yet being paid regularly for energy which it sells to other electric companies.

2. If this statement be true, the following points should be considered:

(a) The Società Terni has had practically no income for the electric energy generated, since it is essentially a generating company and distributes only to its own industries and to Interamna.

(b) In ordinary times the Società Terni would endeavor to enforce payment by curtailing supplies to the non-paying companies. Now, because we are concerned, they can not take this action.

3. Based on the foregoing, it is recommended that the attached letter prepared for your signature be dispatched to the Italian Ministry of Public Works.

97

VINAL S. RENTON
Lieut-Colonel, Inf.
P.W. & U. S/C

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

T/. 478906

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

R

VSR/ec

Reference : 158/PWU

13 July 1945

Subject : Payment to Societh Terni for Electric Energy

To : MINISTRY OF PUBLIC WORKS ITALIAN GOVERNMENT
(Attention Prof. Eng. A.Asta)

1. I have been informed that, since liberation, the Societh Terni has not been receiving payment regularly for the electric energy which it has produced and sold to other electric companies. If this be the case the situation should be remedied in a manner which will be just to all parties concerned.

2. It is recommended that you inquire into this situation as soon as possible, arrange for an equitable solution for any existing problems for the sale of energy between the Societh Terni and other electric companies and that the Public Works and Utilities Sub-Commission be notified of your action.

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

5

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

P.W. 418 S/C

105

RECEIVED
A.F.W. & U. S/C A.C.
16 JUL 1945 158

HEADQUARTERS
AMG
ANCONA PROVINCE
UMBRIA - MARCHE REGION
CMF

Subject Tolentino Power Station

To 20 C.R.E. 61 Area HQ Ancona

From A.M.G. HQ. Ancona

Ref. ANC/A/103

Date 11 July 45.

Reference your C.R.E.1221 of 9 July 45.

1. The difficulties outlined in your letter in connection with Tolentino Power Station are appreciated and I am at once forwarding a copy of your letter to the Prefect of Macerata asking for his co-operation in bringing to the notice of the Power Station the difficult situation which has arisen. I enclose a copy for your information.

2. You ask that suitable action should be taken against the engineer concerned. So far as Tolentino is concerned, I have only the power of a Liaison Officer, and can do no more than use my influence with the Prefect to request him to obtain the co-operation you require.

3. At the time of receiving your letter on this subject I also received a telegram from the Prefect explaining the difficulties confronting the Tolentino authorities. I enclose a translation of this telegram, and should be obliged for any further observations which you may wish to raise. I should be glad also to receive from you any suggestions for achieving efficient co-operation on the part of the power station so as to avoid any repetition of this situation in the future. You may, for example, be able to suggest some form of

974

120 retro

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

liaison with the Power Station Engineers which would ensure your instructions receiving prompt compliance.

H.M. Walton Capt.
for C.J. KAUFDER, Major, R.A.
Acting Commissioner
Ancona.

Copy to: Electrical Sub Commission
AC HQ.
Liaison Division
AC HQ.

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

HEADQUARTERS
AMG
ANCONA PROVINCE
UMBRIA - MARCHE REGION
CMF

Subject Tolentino Power Station.

To Prefect Macerata. Ref. ANC/ A/103

From A.M.G. HQ. Ancona. Date 11 July 45.

References your telegram dated 7 July 45, concerning the diversion of electric power from the Tolentino Power Cooperation.

1. I have received a letter, a copy of which I enclose for your information, from the British Military Authorities drawing attention to the difficult situation which arose as a result of the refusal of the Engineers of the Tolentino Power Station to supply power at a time when other power stations had broken down. The difficulties confronting the Tolentino authorities as outlined in your telegram are appreciated, but you will understand that it was necessary for the working of the Port of Ancona that the instructions of the Military Authorities should have been complied with immediately.

2. Would you be good enough to bring these facts to the notice of the Power Station and to use your personal influence to secure their co-operation. I should be obliged if you would forward to me at an early date any suggestions which you may have for achieving efficient liaison and co-operation between the Power Station and the Military Authorities so that any repetition of the difficult situation

973

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

which has arisen, may be avoided in the future.

H.M. Wallon Capt.

for O.J. MAUDER, Major, R.A.
Acting Commissioner
Ancona.

Copy to: 20 C.R.E. 61 Area HQ.

Electrical Sub Commission
AC.H.Q.

Liaison Division
A.C. HQ.

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

-COPY-

From: Prefettura Macerata

No.2660 Gab. The Commune of Tolentino wired to me that A.M.G.Ancona has ordered the Electric Power Corporation, Tolentino, to put at disposal of UNES all the electric power of the central plants as from 1900 hours of 6 July 1945. The enactment of this order would cause immense damage to agricultural output from suspension of threshing, and deterioration of harvested grain; anso unemployment of 500 workers of tanneries and brik works, and suspension of repair works to the Central Electric Power Station, Gerosa. Therefore I beg that A.M.G.Ancona will consider cancelling the above order.

Prefect Zanetti

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

Otile

Tel. 489081
Ext. 317

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

LWI/sc

104

Reference : 158/PWU

12 July 1945

Subject : Electric Power Ancona

To : COMMISSIONER ANCONA COMMUNE - A.M.G.

1. Reference is made to letter 9 July 1945 from 20 CRE Works to A.C. Ancona - file CRE 10221 on above subject.

2. This Sub-Commission is very interested in this case and will appreciate being informed of the action taken against the Aventino Power Plant engineer and what disposition was made.

3. It is the first case of refusal of a military order by a utility employee in Italian Government territory that has come to our attention.

By Command of Rear Admiral STONE,

E.J. RISTEMT
Colonel, C.E.
A/Director,
P.W. & U. S/C

cc : D.W. - A.P.H.Q.
C.E. - N° 1 District
20 C.R.E. Works

110 Refs

972

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

RECEIVED
P.W. & U. S/C A.C
13 JUL 1945 158

ADVANCED SECTION
ELECTRICAL DIVISION
PUBLIC WORKS & UTILITIES SUB-COMMISSION
ALLIED COMMISSION
A.P.O. 394

July 10th 1945

103

To Eng. Giuseppe LANDUCCI
Selt-Valdarno Co.

MEMORANDUM

Make the necessary arrangements immediately to provide 2,000 KW service at 120 KV Tavarnuzze to Rifredi-Grizzana, V.S.

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

ADVANCED SECTION
SUB-COMMISSION
OFFICE
10-7-45

Copy to: Lt.Col.Renton
Major Frank Kibale M.E.S.
File

971

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

Centrale Idroelettrica "La Lama"

PROP. ANTONIO MENCHINI

Telefono 27-62 - Arezzo Via Vittorio Veneto

102

C. P. E. N. 75 RECOMMENDED

T R A N S L A T I O N

Arezzo, 7 July 1945

RECEIVED
P.W. & U. S/C A.C.
13 JUL 1945 158

To : Col. LAPPER
Electricity Control
HQ. - AC. -

Subject : Price of energy for
private hydro-electric station.

Following the letters sent to you by Capt.BURN and the letter duted 5 june,copy herewith,adressed by me to this Officer,I point out that the Electric Valdarno Sty. has not yet paid to me any account for the energy given to them by my power-station of "LAMA" from August 1944 to June 1945, energy which amounts at about 3.000.000 Kwhs.

This power-station is actually in need of urgent repairs.The most important are : the repair of a turbine of 240 Kws. ruined by the successive up and down of the load and the reconstruction of a long extent of the entrance canal wall.

For these exceptionel repairs which are very expensive owing to the actual cost of materials and labour,high sums are necessary which I can not afford easily if I am not before paid for the energy I have given.

Will you allowed me to point out that,if as I have been told, the "Commissione Interministeriale dei Prezzi" will fixed the price of electric energy,they can only,as per the law, fixed the price to be paid by the PUBLIC to the distributing Societies as Valdarno,Romana etc.,but NOT the price to be paid by the same societies to the PRIVATE hydro-electric stations, and specially they can not fixed the:"EMERGENCY" prices. 979

As my power-station of "LAMA" started working again in August 1944 under the ordere,control and direction of the Allied Military Authorities,I think that the emergency prices could be fixed by the same Authorities without any estraneous interference.

Have arranged for meeting between representatives of "La Lama" and "Valdarno" in my office on 16 July.
HJR

./.

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

The successif price of the energy given by my power station to Valdarno will be fixed,at the fitting moment, between Valdarno and myself.

The actual economical difficulties and the absolute neceddity of the repairs mentioned to you,the considerable amount of money they will required,place me in the obligation to appeal to you for an urgent and satisfactorily settlement of this question ; the fixation of the emergency price and its payement.

Hoping you will give your precious help to the matter,

I am yours sincerely,

Ludwig Mercklen

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

Centrale Idroelettrica "La Lama"

PROP. ANTONIO MENCHINI

Telefono 2762 - Arezzo Via Vittorio Veneto

C. P. E. N. 75

RACCOMANDATA

Arezzo, 7 Luglio 1945

Al : Sig.Col. LAPPER
Electricity Control
HQ. - AC.- ROMA

Oggetto : Prezzo dell'Energia elettrica per le centrale private hydro-elettriche.

Facendo seguito alle comunicazioni indirizzate alla S.V. dal Capt.Burn,ed alla mia lettera del 5 Giugno 45,da me diretta al medesimo,e di cui allego copia,informa la S.V. stessa che la Stz. Elettrica del Valdarno non mi ha ancora versato nessun'acconto per l'energia fornita dalla mia Centrale elettrica della "LAMA",fornitura che dall'Agosto 1944 al Giugno 1945 ascende a circa 3.000.000 di kwhs.

La suddetta Centrale necessita presentemente di urgenti lavori e principalmente della rimessa in servizio di una turbina rovinata per gli alterni sbalzi di carico subiti e della ricostruzione di un lungo tratto del muro del canale di carico. Per queste manutenzioni eccezionali,gravemente onerose per il costo presente dei materiali e della mano d'opera,occorrono ingenti somme.Per fronteggiare queste spese mi è indispensabile ottenere il pagamento della fornitura effettuata.

Nell'occasione devo segnalare anche alla S.V. essermi giunta notizia che il contrastato prezzo della energia elettrica da me fornita,potrà forse essere determinato dalla Commissione Interministeriale dei Prezzi.In proposito,voglia consentirmi di osservare rispettosamente,che alla detta Commissione è affidata - per legge- soltanto la determinazione dei prezzi da corrispondere DAL PUBLICO per taluni servizi e generi di consumo e NON la determinazione dei prezzi per fornitura a privati e tanto meno la determinazione dei prezzi di emergenza.

969

Il prezzo successivo di fornitura alla Societa Elettrica del Valdarno sarà stabilito in un secondo tempo con accordi diretti tra lo scrivente e la Societa medesima.

./.

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

Le difficolta economiche presenti e la imprescindibile necessita dei lavori aventi ricordati, i quali richiedono larghissimo impiego di denaro, mi spingono ad interessare la S.V. per una sollecita definizione del predetto prezzo di emergenza e del relativo pagamento.

Confido nel Suo benevole ed autorevole intervento per raggiungere il desiderato scopo.

Con osservanza,

Andrea Vecchia

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

Centrale Idroelettrica "La Lama"

PROP. ANTONIO MENCHINI

Telefono 2762 - Arezzo Via Vittorio Veneto

101

TRANSLATION

C.P.E.N. 75
RECEIVED
W. & U. S/C A.C.
13 JUL 1945 15

RECOMMENDED

Arezzo, 5 June 1945

To : Col LAPIER
HQ. AC.
ROME

Subject : Emergency price for electric energy.

In ref. to the letter sent to your Hq. on the 22/5/45 by the E. & M.O. of 84 CRE, I should be glad if you could ask to this officer further informations in regard to the work my power-station of "LAMA" had to be submitted.

Capt. BURN, who with its knowledge and his perfect electrotechnical competency has been able to overcome serious difficulties, organise and maintain satisfactorily the production and distribution of electric power in our area, is in a position to give you, if he wants, further useful explanations on the circumstances under which I had and I have to run my power-station.

"LAMA" was ready to work immediately after the passing of the front line, as soon as the main lines were repaired, and has been able, by itself, to feed all the Allied Services as workshops, hospitals; the town Public Services : flour mills, olive presses, water pumps, lighting as weel as the major part of the whole Province Public Services, and this until 22 January 1945, day in which the little power station of STIA (100 Kws.) started work.

968

Successively, my power-station acted alone the major part of the time and sometimes in parallel with STIA and two other little power-station, so that when I could have done 4.800.000 Kwhs. I have done only about 3.000.000.

I must point out too, that at the contrary of the other little power-stations which have their own industries and give to Valdarno only the surplus of their production, the only industry of my power-station is to give its full production of electric-energy to Valdarno.

./.

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

Until to day I have not received from Valdarno, in spite of several requests, any part of the payment they owe me for the supply of the 3.000.000 Kwhs. In plus, one must not forget the fact that one turbine of 240 Kws. has been put out of working order because continually strained by the unbalanced load.

The technical experts from RIVA sty., Milano, who came in these last days to have a look at the turbine, will have to send their own specialists to repair it, and it can naturally be expected they will charge me very heavily.

I hope that you will have from 04 CRE the official confirmation of these further informations I took the liberty to give you, informations indispensable to fix the costing price of the energy given by me to Valdarno during the emergency period.

Confiding in an equitable solution of the controversy,

I am yours faithfully,

Antonio Stancher

copy to : Capt. BURN
84 CRE. AREZZO

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

Centrale Idroelettrica "La Lama"

PROP. ANTONIO MENCHINI

Telefono 21-62 - Arezzo Via Vittorio Veneto

C O P I A

C. P. E. N. 75 RACCOMANDATA

Arezzo 5 Giugno 1945

Al : Sig. Col.LAPPER
Controllo elettricita
Quartiere Gle.dell'A.C.ROMA

Oggetto :Prezzo di emergenza per l'energia elettrica.

Con riferimento alla comunicazione fattami di una lettera in data 24 Maggio 1945,diretta alla S.V. dal Sig.Capt. Burn,84 C.R.E. Arezzo,devo pregare di voler richiedere al predetto Sig. Capt.Burn maggiori schiarimenti in merito al lavoro e prestazioni cui è stata sottoposta la mia Centrale Elettrica della "LAMA".

Il sig.Capt.Burn,che con apprezzabili accorgimenti e con la sua particolare competenzaelettrotecnica potè superare gravissimi difficolta e potè organizzare e mantenere i servizi di produzione e distribuzione della energia elettrica nella nostra zona,è in grado di dare maggiori utili indicazioni circa le condizioni nelle quali si è svolta e si svolge la mia produzione e quale è la sua utilizzazione.

La mia centrale potè funzionare subito dopo il passaggio del fronte,tosto riparate le linee di conduttura dell'energia,ed ha potuto da sola,alimentare i servizi degli Alleati come officine,hospedali;i servici publici della città :molini da cereali,frantoi,pompatura dell'acqua potabile ed illuminazione, nonche gran parte dei servizi della provincia.Questo sino al 22 Gennaio 1945,giorno in cui iniziò il suo funzionamento la piccola Centrale di STIA (100 Kws.)-

957

Successivamente la mia centrale ha funzionato in gran parte sola per soddisfare i bisogni locali ed in parte in parallelo,oltre che con la centrale di STIA,anche con due altre piccole centrali,servendo da Centrale di Controllo.Devo altresi far notare che io non esercisco (contrariamente alle altre piccole Centrali che hanno industrie per proprio conto e che forniscono alla Valdarno l'eccedenza di energia) altra industria che

./.

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

quella della produzione e totale erogazione dell'energia prodotta dalla mia Centrale alla Valdarno.

Sino ad oggi la mia ditta non ha ricevuto, malgrado ripetute richieste, nessun acconto per la fornitura di energia elettrica di circa 3 millioni di Kilowattora nè deve trascurarsi che tale produzione, a funzionamento normale e senza le presenti limitazioni, avrebbe dovuto rappresentare una erogazione di circa 4.800.000 kilowattora. Infine non deve essere dimenticato che una turbina de 240 kwa. è stata messa fuori servizio per il continuo sforzo di carico squilibrato, e che la sua rimessa in funzione, ad opera della ditta costruttrice, RIVA di Milano, si prevede onerosissima, essendo già stata visitata dai capitecnici della ditta stessa in questi giorni.

Confido che Ella vorrà procurarsi queste ufficiali informazioni accessorie, indispensabili per l'apprezzamento dei costi e per la giusta composizione della controversia.

Con osservanza,

Antonio Schiavino

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

file

Tel : 489081.
Ext : 317.

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

WLL/ag

REFERENCE : 158/PWU.
SUBJECT : Electric Power Supply Province of Pesaro.
TO : Ministry of Public Works
Att : Eng. Asta.

12 July 45

100

1. The attached letter from Ministry of Industry, Commerce and Labor requesting assistance on securing additional power allotment for Pesaro Province is herewith transmitted for handling since it is in Italian Government Territory.

2. The matter should be handled in accordance with procedure as outlined in the 19 March 45 instructions with which you are familar.

3. The Pesaro Province is located in the area where power is at present in short supply and will be until the repair of transmission lines, in Emilia Region, now under way, are completed.

for W.M. LAPPER,
Lieut-Colonel,
Chief, Elec.Div.

copy to : Ministry of Industry, Commerce & Labor.

inclosure :
letter 9/7/45 - 2678,
Ministry of Industry,
Commerce & Labor.

966

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

RECEIVED
P.W. & U. S/C A.C.
12 JUL 1945 158

R. This I can take on 5
This I can take on 5
R 13/7

CER:0221. 98

Subject:- Electric Power Amoora.

A.C. AMOORA.

9 July 45.

The following incident occurred in Amoora on the evening of 6 July 45:-

Terni Power station, due to some plant trouble at Terni, ceased to function during the day of the 6th. This is the main supply to the Amoora district.

Three other stations however, are usually run in parallel with Terni, namely, PEDACO, PIANCELLA (owned by UERS) and TOLENTINO (Municipality)

When Terni went "off" the situation was critical. The line North to PESARO had to be cut off, and in addition PESARO ran out of water and had to close down.

On checking on the other stations it was found that TOLENTINO was working independantly of the grid and feeding only Tolentino town with normal supply.

This HQ immediately sent a TEL ordering the engineer to come onto the grid, and, if necessary cut out Tolentino Town. This was imperative to keep Amoora Water, Petrol and Cold Store installations operating.

The engineer refused, and the result was that for 5 to 6 hours, only Piancella Fiorenzo was on the line and the most of the installations were without energy.

It is requested that this be taken up with the Tolentino authority concerned and suitable action taken, steps against the engineer, since if the operatives of these power plants are allowed to please themselves it will jeopardise the whole working of the port of Amoora.

104 refers

Capt. RE.
Lt Col. RE.
AO CRE Werin.

965

Field.
AE/KM.

Copies to:- DE. AFHQ.
CE 1 District.
AC. Rome. Electric Sub Commission.

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

158

96

AFHQ RPTD CE DISTONE RPTD 20 CRE WORKS

1483 9 JULY 45 PRIORITY

RESTRICTED FD

SUBJECT IS ANCONA VOLTAGE FD

PAREN TO AFHQ CITE FOX HOW BABY NAN GEORGE RPTD DISTONE FOR CHIEF ENGINEER RPTD TWENTY COMMANDER ROYAL ENGINEERS WORKS FROM HQ ALCOM CITE AGPWU PAREN

PARA ONE FD REF YOUR FOX XRAY ONE EIGHT TWO ONE THREE OF SIXTH FD 93

PARA TWO FD SWITCHING CHANGES AT TERNI EIGHTH JULY ISOLATED SIXTY KILOVOLT WINDING OF TWENTY THOUSAND KILOVOLT AMPERE TRANSFORMER TO FEED EXCLUSIVELY UMES SYSTEM INCLUDING ANCONA CMA ALSO TRANSFORMER VOLTAGE RATIO INCREASED TO MAXIMUM FD

PARA THREE FD RESULT TO DATE IS VOLTAGE INCREASE AT CAMERINO FROM FOUR TWO TO FIVE ONE KILOVOLTS DURING MORNING PEAK WITH CONSEQUENTIAL LOAD INCREASE FD

PARA FOUR FD TRANSFORMER NOW FULLY LOADED AND FURTHER RELIEF IN ABOVE MANNER IMPOSSIBLE FD

964

PUBLIC WORKS
478906

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

PARA FIVE FD STUDYING POSSIBILITY USING ADDITIONAL TERNI TRANSFOR
EXPECTED REPAIRED SOON FD

PARA SIX FD HAVE LOCATED FIFTY SLANT SIXTY KILOVOLT TRANSFORMER I
NORTH AND SENDING ELECTRIC COMPANY ENGINEERS TO EXAMINE

Distribution by hand :

Economic Section.

963

PUBLIC WORKS

478906

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

958

95

AMG VENEZIA REGION MTD MILITARY

1407 7 JULY 45 ROUTINE

IN CLEAR FD

SUBJECT IS ELECTRICAL EQUIPMENT FD

FARM TO AMG VENEZIA REGION FOR VARNEY FOR COLONEL PARKER MTD MILITARY FROM AL ALCOM CITE ACCRU FARM.

PARA ONE FD REPORTS REACHING HERE INDICATE POSSIBILITY OF ELECTRICAL MACHINERY AND EQUIPMENT REMOVED BY GERMANS FROM CENTRAL ITALY BEING IN STORAGE BOLZANO AREA FD

PARA TWO FD PLEASE CHECK WHAT IS THERE

962

Public Works

317

S. A. DE PRETTO - ESCHER WYSS = SCHIO

Turbine idrauliche - Regolatori
Valvole Rotative - Paratoie
Pompe di qualsiasi tipo
Impianti di Cartiere
Impianti di Pastalegno
Macchine per Fabbriche Cellulosa

Capitale Sociale L. 4.350.000 int. versato

UFFICIO REGIONALE

Via Marsala, 8 - ROMA - Via Marsala, 8

Turbine a vapore - Regolatori
Impianti concentraz. "Autovapor,,
Impianti Frigoriferi
Compressori ad ammoniaca
Impianti utilizz. spoglie animali infetti, rifiuti macello, pesce, ecc.

Telegrammi: Roma - Turbine
Telefono: Roma - N. 485.463
C. P. C.: Roma 110050

On. MINISTERO DEI LAVORI PUBBLICI- Ispettorato Elettricità, Acque e Gas - ROMA

(Copy and translation)

File Elect. Central Italy Power

94

Vs. riferimento | Vs. scritto | Citare nella risposta nostro reparto

ROMA
1st of July 1945

OGGETTO: Reconstruction of turbines for hydro-electric power-plants in Central and South Italy.

Referring to your request we hereby transmit you double copy of the list of the turbines of the various societies which they intent to reconstruct or repair in a first stage of their planning for the reorganisation of their plants in Central and South Italy.

Considering that the three turbine-constructorers in Italy (Riva of Milan, Tosi of Legnano and De Pretto - Escher Wyss of Schio) in base of their preesisting contract of collaboration should reconstruct their own former turbines (also in case of entire destruction and new caracteristics) the Riva - concern of Milan by tradition would have the rights to reconstruct the major part of the machinery damaged or destroyed (see list attached).

Considering on the other hand the urgency of the reconstruction of these plants from the higher view-point of national interest, now arises the question if - in this special case - it would not be more obvious and convenient that the total work to be done should be divided amongst the three firms only considering their respective actual working capacity and ignoring, for the moment, the repartition foreseen by the old contract.

A more logical repartition could be reached by changing the actual percentage for the various firms (about 51% for Riva, about 33% for Tosi and about 16% for De Pretto-Escher Wyss) in, for instance, 25 - 30% for the De Pretto - Escher Wyss and the remaining rest for Riva and Tosi.

961

SOCIETÀ ANONIMA

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

On. MINISTERO DEI LAVORI PUBBLICI - Ispettorato [illegible]
Gas - ROMA

(Copy and translation) File Elect. central Italy Dept

94

Vs. riferimento | Vs. scritto | Citare nella risposta nostro reparto

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1st of July 1945

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96

SOCIETÀ ANONIMA
DE PRETTO - ESCHER WYSS
Un Procuratore. Un Procuratore

Form. 110 - ca. 2000 - 12-41

Declassified E.O. 12356 Section 3.3/NND No. 778019

S. A. DE PRETTO - ESCHER WYSS = SCHIO
UFFICIO REGIONALE - ROMA

Data 1st July 1945 Foglio 1

Al

OGGETTO: Report concerning the reconstruction of the turbines for damaged or destroyed hydroelectric plants in Central- and South Italy.

In the days between 23d June and 1st July 1945, the managers of the S.A.De Pretto - Escher Wyss - Schio (actually in Rome) have taken personal contact with the principal hydroelectric societies of Central and South Italyfor the question of the reconstruction of their installations. They visited the Terni, the Romana, the A.C.E.A., the Unes, the A.M.E., the Ente Volturno, and the Admi - nistration Torlonia.

The most urgent needs for the first stage of reconstruction (partly ~~xxxxxxx~~ new machinery, partly reparations) result to be:

Società Terni

Galleto - plant

For the reconstruction of the four units of 43500 kW. each provides the Terni-concern with its own means, using spare-parts for the first two units and needing now the pieces for the following together with respectiv regulators, hydro-impellers and so forth. (The latter in this occasion will be technically improved and designed for maximum efficiency on the curve-point of full load.)

It is intended to start immediately with these studies by the De Pretto-Escher Wyss- Schio and the Escher Wyss - Works in Zürich (original design of the Galleto-plant Escher Wyss Zürich)/

Papigno - plant

For the time beeing the Terni intends to reconstruct one group only, that is to say the 5th Velino, a group of 18000 kW. of Escher Wyss Zürich-construction. It is forseen to rebuilt this unit in collaboration of the Terni, the De Pretto Escher Wyss-Schio and the technical collaboration of the Escher Wyss-Works Zürich.

Cittaducale-Peschiera - plant

The two Tosi groups shall be reconstructed by the Terni, and, for the attached pumps, in collaboration with the De Pretto - Escher Wyss - Schio. The Kaplan-type turbine of 4200 kW. of De Pretto - Escher Wyss construction shall be rebuilt by Terni and De Pretto -

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

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969

Form. 110 bis - ex. 1000 - 12-41

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

Al

OGGETTO:

Preci - Plant

This unit originally kW. 4000 of Tosi construction has been entirely destroyed and must be replaced by a new heavier group with the following caracteristics: 155 m. and 6 cm./ 1".

Società Romana di Elettricità

This Society has the following programm of reconstruction:

For the Farfa Plant (ex construction Riva) construction of a new group, 162 m. and 10 cm./sec. and reconstruction H = 162, Q = 5 cm./sec.

For the Fontana Liri-Plant (ex San Giorgio) one new group H=16 m., Q = 30 CM/sec.

For the Fonte Cupa - Plant (ex Riva) one group H = 26 m., Q = 30 cm./sec.

For the Ponte Fiume- Plant (ex Riva) one group H = 15 m., Q = 51 cm./sec.

For the Ceprano - Plant (ex Riva) one group H = 47 m., Q = 16 cm./sec.

Azienda Comunale Elettricità ed Acque - A.C.E.A.

This Society has the following programm of reconstruction:

For the Salisano - Plant (ex Riva) at least one group of H = 247 m., Q = 4,5 cm./sec.

For the Mandela - Plant (ex Riva) at least one group of H = 27 m., Q= 25 cm./sec.

Unione Esercisi Elettrici - U.N.E.S.

This Society has the following programm of reconstruction:

For the Sorgenella - Plant (ex Escher Wyss Zürich) one group

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This unit originally kW. 4000 of Tosi construction has been entirely destroyed and must be replaced by a new heavier group with the following caracteristics: 155 m. and 6 cm./ 1".

Società Romana di Elettricità

This Society has the following programm of reconstruction:

For the Farfa Plant (ex construction Riva) construction of a new group, 162 m. and 10 cm./sec. and reconstruction H = 162, Q = 5 cm./sec.

For the Fontana Liri-Plant (ex San Giorgio) one new group H=16 m., Q = 30 CM/sec.

For the Fonte Cupa - Plant (ex Riva) one group H = 26 m., Q = 30 cm./sec.

For the Ponte Fiume- Plant (ex Riva) one group H = 15 m., Q = 51 cm./sec.

For the Ceprano - Plant (ex Riva) one group H = 47 m., Q = 16 cm./sec.

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For the Mandela - Plant (ex Riva) at least one group of H = 27 m., Q= 25 cm./sec.

Unione Esercizi Elettrici - U.N.E.S.

This Society has the following programm of reconstruction:

For the Scandarella - Plant (ex Escher Wyss Zürich) one group H = 45 m., Q = 4,5 cm./sec.

Form. 110 bis - ex. 1660 - 12-41

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

Al

OGGETTO:

For the Capodacqua - Plant (ex Riva) one group H = 69 m., Q = 1,2 cm./sec.

For the Venamartello - Plant (ex De Pretto - Escher Wyss) two new groups H = 300 m., Q = 4 cm./sec.

For the Mozzano - Plant (ex De Pretto - Escher Wyss and San Giorgio) two groups H= 40 m., Q = 4 cm./sec.

For the Castellano - Plant (ex Riva) two new groups H = 119 m., Q = 3,2 cm./sec.

For the Gerosa - (First stage) Plant (ex Riva) one new group H = 19,4 m., Q = 3,8 cm./sec.

For the Morino - (First stage)Plant (ex San Giorgio) two new groups H = 90 m., Q = 0,6 cm./sec.

For the Morino - (Second stage) Plant (ex San Giorgio) two new groups H = 132 m., Q = 0,9 cm./sec.

For the Molina - Plant (ex Riva) two new groups H = 14,4 m., Q = 3,3 cm./sec.

For the Farindola - Plant (ex Riva) one new group H = 211 m., Q = 0,8 cm./sec.

For the Villapotenza - (First stage) Plant (ex De Pretto - Escher Wyss) two new groups H = 20 m., Q = 12,5 cm./sec.

For the Villapotenza - (Second stage) Plant (ex San Giorgio) two new groups H = 7 m., Q = 2,5 cm./sec.

For the Furlo - Plant (ex O.E.M.) three new groups H = 40 m., Q = 4 cm./sec.

For the Raggioli - Plant (ex Riva) two new groups H =13 m., Q = 4 cm./sec.

For the Roncaglia - Plant (ex Riva) two new groups H = 7 m.,

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For the Raggioli - Plant (ex Riva) two new groups H =13 m., Q = 4 cm./sec.

For the Roncaglia - Plant (ex Riva) two new groups H = 7 m., Q = 4 cm./sec.

For the Montegallo - Plant (ex San Giorgio) two new groups H = 98 m., Q = 0,27 cm./sec.

Form. 110 bis - ex. 1000 - 12-61

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

Al

OGGETTO:

For the Sfercia - Plant (ex De Pretto and Riva) one new group H = 7 m., Q = 4 cm./sec.

For the Sant'Elena - Plant (ex Riva) two new groups H = 24 m., Q = 3,5 cm./sec.

Società Meridionale di Elettricità

This Society intends to reconstruct :

For the Pescara - (First stage) Plant (ex De Pretto - Escher Wyss) two groups H = 26 m., Q = 23,5 cm./sec.

For the Pescara - (Second stage) Plant (ex Riva) two new groups H = 75 m., Q = 23,5 cm./sec.

For the Pescara - (Forth stage) Plant (ex Riva) reconstruction of the existing four units H = 46 m., Q = 22,5 cm./sec.

For the Iatese - (Second stage) Plant (ex Riva or Tosi) one new group H = 335 m., Q = 3,4 cm./sec.

For the Lete - Plant (ex Riva or Tosi) one new group H = 360 m., Q = 2,5 cm./sec.

For the Garigliano - Plant (ex Riva or Tosi) three new groups H = 10,5 m., Q = 37 cm./sec.

Ente Autonomo Volturno - This Society intends to reconstruct:

For the Colli al Volturno - Plant (ex Riva) two new groups H = 202 m., Q = 6,5 cm./sec.

Administration of Fucino - This Society intends to reconstruct:

For the Pratofranco - Plant (ex De Pretto - Escher Wyss) reconstruction of the two units H = 105 m., Q = 5 cm./sec.

SOCIETA ANONIMA
DE PRETTO-ESCHER WYSS
Un Direttore Un Procuratore

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

Q = 3,5 cm./sec.

Società Meridionale di Elettricità

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For the Pescara - (Forth stage) Plant (ex Riva) reconstruction of the existing four units H = 46 m., Q = 22,5 cm./sec.

For the Matese - (Second stage) Plant (ex Riva or Tosi) one new group H = 335 m., Q = 3,4 cm./sec.

For the Lete - Plant (ex Riva or Tosi) one new group H = 560 m., Q = 2,5 cm./sec.

For the Garigliano - Plant (ex Riva or Tosi) three new groups H = 10,5 m., Q = 37 cm./sec.

Ente Autonomo Volturno - This Society intends to reconstruct:

For the Colli al Volturno - Plant (ex Riva) two new groups H = 202 m., Q = 6,5 cm./sec.

Administration of Fucino - This Society intends to reconstruct:

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SOCIETA ANONIMA
DE PRETTO - ESCHER WYSS
Un Direttore
Un Procuratore

Tarm. 110 bis - ca. 1000 - 12-41

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

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

INCOMING MESSAGE

P. W. & U. S/C

HEADQUARTERS ALLIED COMMISSION

Originator's Reference: FX 10219

Date/Time of Origin: JULY 061457

Message Centre No: E/8379

Date Time Rec'd: JULY 061640

Precedence: PRIORITY

93

FROM: AFHQ SIGNED EACMED CITE FREND

TO AICOM INFO CE DISTCOM, 20 CRE WORKS

RECEIVED
P.W. & U.S./C.A.C.
6 JUL 1945 158

RESTRICTED

RESTRICTED.

Subject voltage ALCONA. Situation deteriorated and is serious. Voltage 60 kv line received 33 kv at 1100 hours 5 July. Electric drive cold stores out of action and grave anxiety is felt for town water supply. Voltage on this line must be improved. Please report your action.

84-854 Ref 87

96 refers

ACTION

DIST

ACTION P W & U SC
INFO CHIEF COMMISSIONER
ECON SEC
FILE 2
FLOAT

7/7/45
Lt Col Renton at Permis on
this matter today. 4/60
to Head to HQ/
Priority D.W by
phone on the matter today.
Tobe Longer

HEADQUARTERS
JUL 1945
A. 957

RESTRICTED

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

File Elect Central Italy 92

MINISTRY OF PUBLIC WORKS
Ispettorate General for
Electricity, Water & Gas

Rome, July 2nd 1945

To : Electrical Division - P. W. & U. S/C, A.C.
(Attention Lt.Col. W.M. LAPPER)

I am including copy of the letter on allocation of power sent to Provincial Commissions to avoid during any month the connection of new customers exceeding power and energy consumed during the preceeding month.

Prof.Eng. A. Asta

1 enclosure

956

MINISTERO DEI LAVORI PUBBLICI

~~Ill. Sig. Presidente del Consiglio Superiore~~

UFFICIO MOBILITAZIONE ENERGIA ELETTRICA

COPIA

COMMISSIONE CENTRALE PER IL CONTROLLO E LA LIMITAZIONE DEL CONSUMO DELL'ENERGIA ELETTRICA----------

Roma .....

Prot. N° ..... Allegati .....

Risposta a nota del .....

OGGETTO: Richieste di forniture di elettricità per usi civili nel territorio del governo Italiano -

Si è constatato che in questi ultimi tempo il carico delle reti di distribuzione è notevolmente aumentato senza che le assegnazioni fatte dalle rispettive Commissioni Provinciali giustifichino l'aumento stesso.

Si deve arguire che ciò si sia verificato in conseguenza della concessione fatta in base al Paragrafo A) - della lettera del 17/5/1945 n.572 con la quale si consentiva alle Società distributrici di energia elettrica di procedere all'attacco di utenze con potenza fino a 10 Kw senza bisogno di particolare autorizzazione. Sta di fatto che tale autorizzazione era data sotto la specifica condizione che i nuovi attacchi dovessero compensare altre utenze distaccate in maniera che nella somma non dovessero rimanere modificate la potenza e i quantitativi di energia già distribuita, nei limiti delle assegnazioni fatte dall'A.C.

Tale autorizzazione tendeva a semplificare e a rendere meno burocratico il complesso lavoro di assegnazione di nuove forniture fidando naturalmente sul senso di responsabilità delle Società distributrici.

Devesi purtroppo constatare come tale concessione abbia avuto risultati non conformi al desiderio di questo Ministero.

Si prega pertanto questa Commissione Provinciale 955 di voler far presente quanto sopra alle Società distributrici competenti perchè provvedano a che il carico delle reti venga di bel nuovo riportato nei limiti della potenza dei quantitativi di energia concessa dalla A.C. segnalando i risultati ottenuti e comunicando alle stesse che

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

Risposta a nota del

OGGETTO: Richieste di forniture di elettricità per usi civili nel territorio del governo Italiano -

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Si resta in attesa di un cenno di assicurazione e notizie

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

in merito alla presente -

IL PRESIDENTE DELLA COMMISSIONE CENTRALE

(F.to M. Visentini)

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

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

AZIENDA GOVERNATORIALE
ELETTRICITÀ ED ACQUE
IL COMMISSARIO
Prot. N. 4394
(da citare nella Risposta)

Roma, 19 giugno 1945

W.M.Lapper
Lt.Colonel-Chief Electrical Division
P.W.U. Sub-Commission
Via Veneto- R O M A

Domani, 20 corr. alle ore 12,30 alla presenza del Sig. Sindaco e dell'On.le Giunta Comunale di Roma, riprenderà a funzionare la Centrale Idroelettrica di Castelmadama, dopo una interruzione di oltre un anno, in seguito alle gravi distruzioni operate dai tedeschi.

La prego di voler intervenire a Castelmadama all'ora indicata per presenziare alla messa in marcia della turbina.

Distinti saluti.

(Giuseppe Romita)

954

TERNI - Società per l'Industria e l'Elettricità

Mod. A

SERVIZI ELETTRICI - PAPIGNO (Terni)

File Elect control Italy

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FINANCIAL DIFFICULTIES OF THE "TERNI" COMPANY SUBSEQUENT TO THE SITUATION OF ELECTRICITY SUPPLY

This Company begs to call the kind attention of the Electrical Division of the A.C. to the great seriousness of its own financial situation, which is due to the following circumstances:

1) interruption of payments from the customers
2) non-observance of supply contracts
3) insufficiency of the selling prices of energy.

On these items it states what follows:

1) The debt situation of our users is such that the "Terni Co." has still to get some tenths million lire for energy supplied up to the end of the month of February, 1945. So the "Terni Co.", engaged in the reconstruction of its own plants, which implies a very serious burden, is compelled to apply to the credit of the banks, to a larger and larger extent, and therefore is compelled to get into more serious difficulties both to get the necessary funds and for the cost of money in the present times: difficulties and expenses which would be more right to be overcome by the users in providing the payment of their debts to the "Terni Co.".

One must keep in mind that the "Terni Co." is in Italy the only producer of electrical energy Company which has not its own distribution service. Electricity is sold to big distributing Companies that, on the contrary of "Terni Co." can rely upon a continous income of money from the public. Although their conditions are not very easy, owing to the rationing of energy, they always have cash money and this is in evident contrast with the situation of the "Terni Co." that owns only its real properties.

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

SITUATION OF ELECTRICITY SUPPLY

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95? ./.

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

This Company should have at least the right, foreseen in the contracts, to stop the supply to the users which go on absorbing energy without keeping to their duties, but this provision cannot be taken owing to the instructions of the A.C. in consideration of the prominent military and civil necessities.

Therefore the "Terni Co." asks the Electrical Division of the A.C. to give its kind help so that the instructions given by the A.C. itself to the "Terni Co." are not going to be for the users an encouragement not to keep their contracts.

2) The selling of energy from the "Terni Co." to the distributing Companies are ruled by contracts in which a minimum amount of consumption is guaranteed. At the present time these supplies are ruled by the Allied authorities in connection with their war and reconstruction aimes, not considering the former relationships between the "Terni Co." and the users. It follows as a consequence that the "Terni Co." cannot say to the users to keep to their contracts, even if it is able to furnish them the minimum guaranteed amounts. This problem is more up-to-date and important after the rehabilitation of the second unit of Galleto: in fact it would be bad if the "Terni Co." after having overcome so many difficulties and after having put up with so many burdens for the reconstruction of its own plants, could not rely upon their total utilization. Therefore we beg the Electrical Division of the A.C. to give instructions so that the dispatching of energy that has been imposed upon by the present circumstances will not be a reason for the users not to keep to the provisions of the contracts.

In connection with what written above, our Company wishes to call the kind attention of the Electrical Division of the A.C. to the

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

the contracts, to stop the supply to the users which go on absorbing energy without keeping to their duties, but this provision cannot be taken owing to the instructions of the A.C. in consideration of the prominent military and civil necessities.

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In connection with what written above, our Company wishes to call the kind attention of the Electrical Division of the A.C. to the following circumstances that are here mentioned for example's sake:

952 ./.

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

a) Our contracts with some users - such as Valderno and ones - provide for the supply of energy at the frequency of 50 cycles. The fact that the frequency is now of 45 cycles on all the grid of central and southern Italy is not a reason for the users not to keep to the contracts. Furthermore the efficiency of our machinery would be better at 50 cycles.

b) In the period between 19/9/1944 and 26/12/1944 for exceptional reasons and on the request of the A.C. we spilled from the reservoirs 37,046,000 cubic meters, which means 22,000,000 kWhours which might be produced in our rehabilitated plants. This has been done to increase the production of Nera Montoro station and has caused to the "Terni Co." a large damage which calls for a proper indemnity.

If the distributing Companies which are our users should consider the unavoidable causes as a temporary difficulty which does not affect the observance of the terms within the limits of their possible application, the "Terni Co." - besides any legal action for the proctection of its own reasons - should be compelled to ask the A.C. to allow any indemnity for the damage that is caused to it not to be able to use the energy for its own factories of Papigno, Terni, Nera Montoro and Spoleto. It is necessary to make clear this fact so that the "Terni Co." might know how to behave in accepting back energy from the users, because it is not right that the customers may keep to a provision of the contract and not to another one when there is a duty to be fulfilled, as if the "unavoidable causes" should be a burden (one does not know why) only and entirely for the "Terni Co.".

3) The increase of the selling prices of energy granted to the "Terni Co." is the lowest among those authorised in liberated Italy; and this despite the following circumstances:

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

for the supply of energy at the frequency of 50 cycles. The fact that the frequency is now of 45 cycles on all the grid of central and southern Italy is not a reason for the users not to keep to the contracts. Furthermore the efficiency of our machinery would be better at 50 cycles.

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3) The increase of the selling prices of energy granted to the "Terni Co." is the lowest among those authorised in liberated Italy; and this despite the following circumstances:

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

a) The energy produced by the plants of the "Terni Co." is overregulated by our large reservoirs in the Apennines (that is to say we have a gret amount of primary energy) so that - within the wide limits of the rated output of the available machinery - the production perfectly fits to the needs of the customers, not only when the water is high in the rivers, but especially in summer time when waters are low. The A.C. knows about the large storage of energy that is accumulating in the Turano and Salto reservoirs for next summer, when four units of Galleto station will be available. From this point of view no other plant can be put in comparison whith those of the "Terni Co." at least in central, southern and insular Italy. It is to be noted on this subject that the large amount of primary energy that the "Terni Co." gives to its own users, is such that they can fully utilise their run-of-river plants, or plants with small reservoirs. But this calls for large capitals, and it is not right that in the price of energy is not considered the remarkable expenses which are a burden for the economical situation.

b) In opposition to what happened to other Companies, the "Terni" had all its stations seriously damaged or destroyed by the Germans; the cost of produced energy is therefore affected not only by the cost of the original plants, but also - and to a large extent - by that of the rehabilitated plants.

c) The selling prices of energy are determined in the contracts on the basis of given consumptions to which the users are pledged: if for the known reason the consumptions are lower for the impossibility of the "Terni Co." to produce and of the users to receive energy, it becomes lawful an increase of the prices. But as the contracts could not foresee the circumstances of the recent past and of the present, we think it necessary a general disposition to protect the interests of the pro-

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

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

d) Before the war, as a matter of fact, there was a certain proportion between the selling price of energy sold by the "Terni Co." to the user and the price charged from the public. It seems right that the same proportion should subsist in the present time, that is to say that the price of energy produced by the "Terni" should have the same percentage increase of the price charged to the users of the distributing Companies. If the increase is different for the several societies, owing to their peculiar conditions also the price charged by the "Terni Co." will be different for each of them.

The "Terni Co." begs the Electrical Division to acknoledge the righteousness of the above principale of proportionality.

The considerations of this memorandum are contemporarily submitted to the ministry of Public Works.

The "Terni Co." hopes that the A.C. being an organisation interested to an harmonic relationship between the productors and the distributors of electrical energy, will accept the above considerations. So the A.C. will give its contribution to avoid that the failure of a solution of vital economic problems might affect or slow down the rhythm wich the "Terni Co." is using in the work of rehabilitating its plants: that undoubtly represent a useful contribution to the conduct of war and to the subsequent coming back to normality.

Truly yours.

Papigno, 19.4.1945

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

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949

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

DIFFICOLTA' FINANZIARIE DELLA SOCIETA' "TERNI" CONSEGUENTI ALLA PARTICOLARE SITUAZIONE DELLE FORNITURE DI ENERGIA.

Questa Società si permette di richiamare la cortese attenzione della Divisione Elettrica dell'A.C. sulla estrema gravità della propria situazione finanziaria, in dipedenza dalle seguenti circostanze:

1) sospensione dei pagamenti arretrati da parte delle utenze;
2) inosservanza dei contratti di fornitura;
3) insufficienza del prezzo di vendita dell'energia.

A tale riguardo sottopone quanto segue:

1) La situazione debitoria dei nostri utenti é tale che la "Terni" deve ancora percepire, per energia fornita fino a tutto il mese di febbraio di quest'anno, alcune decine di milioni di lire. Per tale fatto la "Terni", impegnata nella ricostruzione dei propri impianti, che comporta un onere gravissimo, é costretta ricorrere al credito bancario in misura sempre crescente e perciò ad esporsi a serie difficoltà sia per ottenere i fondi necessari, sia per il costo del danaro nel momento attuale: difficoltà e spese che sarebbe più giusto venissero affrontate dagli utenti per provvedere al pagamento dei loro debiti verso la "Terni".

E' da tenere presente che la "Terni" é in Italia la sola Società produttrice di energia elettrica che non ha servizio di distribuzione. L'energia viene venduta a grandi Società distributrici, che - a differenza della "Terni" - possono contare sopra un continuo afflusso di danaro [illegible] del pubblico. Per quanto anch'esse siano in condizioni disagia-

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

PARTICOLARE SITUAZIONE DELLA [illegible]

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

DIFFICOLTA' FINANZIARIE DELLA SOCIETA' "TERNI" CONSEGUENTI ALLA PARTICOLARE SITUAZIONE DELLE FORNITURE DI ENERGIA.

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9/18

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

PARTICOLARE SITUAZIONE DELLE FORNITORE DI ENERGIA.

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9/14

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

evidentemente con quella di completo immobilizzo in cui si trova la "Terni" per le circostanze qui esposte.

Questa Società avrebbe almeno il diritto - riconosciuto anche da contratti - di sospendere le forniture agli utenti che continuano a prelevare energia senza ottemperare ai loro obblighi, ma tale provvedimento non è attuabile per le disposizioni dell'A.C. in considerazione delle prevalenti necessità militari e civili.

Pertanto la "Terni" sollecita il cortese interessamento della Divisione Elettrica dell'A.C., affinché le disposizioni date dall'A.C. stessa alla "Terni" in merito alla fornitura di energia, non vengano a costituire per le utenze un incoraggiamento alla elusione dei loro impegni.

11) Le vendite di energia da parte della "Terni" alle Società distributrici sono regolate dai contratti che prevedono un minimo consumo garantito. Allo stato attuale, queste forniture sono disciplinate dalle Autorità Alleate in relazione agli scopi della guerra e della ricostruzione, a prescindere dei rapporti preesistenti fra la "Terni" e le proprie utenze. Ne consegue che la "Terni" non può senza gravi difficoltà richiamare gli utenti all'osservanza dei contratti, anche se essa sia in grado di fornire loro i minimi garantiti. Questo problema acquista carattere di maggiore attualità e importanza in seguito alla riattivazione della seconda unità di Galleto: sarebbe infatti doloroso che la "Terni", dopo aver superato tante difficoltà e aver sopportato tanti oneri per la ricostruzione dei propri impianti, non potesse contare sulla loro integrale utilizzazione. Pertanto prega la Divisione Elettrica dell'A.C. di voler disporre affinché la ripartizione dell'energia di nostra produzio-

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

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

In rapporto con quanto esposto sopra, la nostra Società desidera richiamare la cortese attenzione della Divisione Elettrica dell'A.C. sulle seguenti circostanze che vengono menzionate a titolo di esempio:

a) I nostri contratti con alcuni utenti - fra cui la "Soc.Elettrica Valdarno" e la "Unione Esercizi Elettrici" - prevedono la fornitura di energia alla frequenza di 50 periodi. Le ragioni di forza maggiore che impongono oggi la frequenza di 45 periodi su tutta la rete centromeridionale non debbono dar motivo ai nostri utenti di ritenerci inadempienti. Tra l'altro il rendimento del nostro macchinario sarebbe migliore a 50 periodi.

b) Nel periodo che va dal 19/9/1944 al 26/12/1944, sempre per ragioni di forza maggiore ed a richiesta dell'A.C., abbiamo sottratto ai nostri bacini appenninici una riserva di 37.646.000 mc. corrispondenti a 22.000.000 di kWh producibili nei nostri impianti ricostruiti. Tale svaso, che é stato effettuato per incrementare la produzione della Centrale di Nera Montoro, arreca alla "Terni" un danno cospicuo per il quale non può mancare un risarcimento.

Se le Società distributrici nostre utenti dovessero considerare le cause di forza maggiore come un motivo di invalidità dei contratti, anziché come un impedimento di carattere temporaneo che non intacca l'osservanza dei patti entro i limiti della loro possibile applicazione, la "Terni" - a prescindere da ogni azione legale intesa alla tutela delle sue ragioni - sarebbe costretta a pregare l'A.C. di essere indennizzata per il danno che le deriva dalla impossibilità di disporre dell'energia di propria produzione per i fabbisogni dei suoi stabilimenti di Papigno, Terni, Nera Montoro e Spoleto. Il chiarimento é anche necessario perché la "Terni" possa regolare [illegible]

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

ra richiamare la cortese attenzione della Divisione Elettrica dell'A.C. sulle seguenti circostanze che vengono menzionate a titolo di esempio:

a) I nostri contratti con alcuni utenti - fra cui la "Soc.Elettrica Valdarno" e la "Unione Esercizi Elettrici" - prevedono la fornitura di energia alla frequenza di 50 periodi. Le ragioni di forza maggiore che impongono oggi la frequenza di 45 periodi su tutta la rete centromeridionale non debbono dar motivo ai nostri utenti di ritenerci inadempienti. Tra l'altro il rendimento del nostro macchinario sarebbe migliore a 50 periodi.

b) Nel periodo che va dal 19/9/1944 al 26/12/1944, sempre per ragioni di forza maggiore ed a richiesta dell'A.C., abbiamo sottratto ai nostri bacini appenninici una riserva di 37.546.000 mc. corrispondenti a 22.000.000 di kWh producibili nei nostri impianti ricostruiti. Tale svaso, che é stato effettuato per incrementare la produzione della Centrale di Nera Montoro, arreca alla "Terni" un danno cospicuo per il quale non può mancare un risarcimento.

Se le Società distributrici nostre utenti dovessero considerare le cause di forza maggiore come un motivo di invalidità dei contratti, anziché come un impedimento di carattere temporaneo che non intacca l'osservanza dei patti entro i limiti della loro possibile applicazione, la "Terni" - a prescindere da ogni azione legale intesa alla tutela delle sue ragioni - sarebbe costretta a pregare l'A.C. di essere indennizzata per il danno che le deriva dalla impossibilità di disporre dell'energia di propria produzione per i fabbisogni dei suoi stabilimenti di Papigno, Terni, Nera Montoro e Spoleto. Il chiarimento é anche necessario perché la "Terni" possa regolarsi nell'accettare dalle utenze energia di ritorno, non essendo evidentemente giusto che le utenze stesse si richiamino ai contratti per una facoltà in essi prevista, e si rifiuti-

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

no di riconoscerne l'efficacia quando si tratta dell'assolvimento di un loro obbligo, come se le cause di forza maggiore dovessero gravare (non si sa perché) interamente ed esclusivamente sulla "Terni".

III) L'aumento del prezzo di vendita dell'energia concesso alla "Terni" é il minore fra quelli autorizzati nell'Italia liberata; e ciò malgrado le seguenti circostanze:

a) l'energia prodotta dagli impianti della "Terni" é superregolata dai grandi bacini di accumulazione appenninici, per cui - negli ampi limiti della potenza del macchinario disponibile - la produzione si adatta perfettamente ai fabbisogni delle utenze, non solo in periodo di morbida ma, in special modo, in periodo di magra estiva. E' nota all'A.C. la grande riserva di energia che si va accumulando nei laghi sul Salto e sul Turano per la prossima estate, quando saranno disponibili le quattro unità di Galleto. Sotto questo aspetto nessun altro impianto di produzione é paragonabile a quelli della "Terni", almeno nell'Italia Centrale, Meridionale ed Insulare. E' da osservare a questo proposito che la grande disponibilità di energia regolata che la "Terni" cede alle proprie utenze, consente a queste il pieno sfruttamento dei propri impianti con modesti serbatoi o ad acqua fluente. Ma ciò ha richiesto l'impiego di capitali cospicui e non é giusto che il prezzo dell'energia prodotta prescinda dagli interessi dei mutui, l'ammortamento delle immobilizzazioni e le notevoli spese che gravano sulla situazione economica.

b) A differenza di quanto é avvenuto presso altre Società, la "Terni" ha avuto tutte le Centrali gravemente danneggiate o distrutte dai tedeschi; il costo dell'energia da essa prodotta é quindi influenzato non solo [illegible] degli impianti originari, ma anche - ed in misura notevole -

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

si sa perché) interamente ed esclusivamente sulla "Terni".

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b) A differenza di quanto é avvenuto presso altre Società, la "Terni" ha avuto tutte le Centrali gravemente danneggiate o distrutte dai tedeschi; il costo dell'energia da essa prodotta é quindi influenzato non solo dal costo degli impianti originari, ma anche - ed in misura notevole - da quello degli impianti che li sostituiscono.

946

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

c) I prezzi di vendita dell'energia sono fissati negli accordi contrattuali in funzione di determinati prelievi per i quali gli utenti erano impegnati: se per le note ragioni, i prelevamenti sono diminuiti per la impossibilità della "Terni" di produrre e degli utenti di ricevere energia, diventa legittimo un aumento del prezzo. Ma poichè i contratti non potevano prevedere le circostanze del recente passato e quelle attuali, riteniamo necessaria una disposizione di carattere generale per salvaguardare gli interessi dei produttori di energia.

d) Prima della guerra esisteva di fatto per libera volontà dei contraenti, una determinata proporzione per il prezzo dell'energia che le utenze ritiravano dalla "Terni" ed il prezzo che da esse veniva imposto al pubblico. Sembra equo almeno che la stessa proporzione sussista nel momento attuale e cioè che il prezzo dell'energia prodotta dalla "Terni" abbia lo stesso aumento percentuale del prezzo praticato ai consumatori dalle Società distributrici. Se l'aumento è diverso per le varie Società, a causa delle particolari condizioni dei singoli esercizi, sarà diverso anche quello che la "Terni" applicherà a ciascuna di esse.

La "Terni" prega la Divisione Elettrica dell'A.C. di voler riconoscere l'equità dell'accennato criterio di proporzionabilità.

Le considerazioni contenute nel presente pro-memoria vengono contemporaneamente sottoposte al Ministero dei LL.PP.

La "Terni" confida che l'A.C., come ente interessato ad un'armonica correlazione fra le esigenze dell'attività produttrice e di quella distributrice dell'energia elettrica, accoglierà le considerazioni qui esposte. Concorrerà così ad evitare che la mancata soluzione di vitali problemi di carattere economico vada a compromettere o

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

erano impegnati: se per le note ragioni, i prelevamenti sono diminuiti per la impossibilità della "Terni" di produrre e degli utenti di ricevere energia, diventa legittimo un aumento del prezzo. Ma poichè i contratti non potevano prevedere le circostanze del recente passato e quelle attuali, riteniamo necessaria una disposizione di carattere generale per salvaguardare gli interessi dei produttori di energia.

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945

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utile apporto alla condotta della guerra ed al successivo avviamento alla normalità.

Con osservanza.

Papigno, lì 18 Aprile 1945

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

Con osservanza.

Rapigno, li 19 Aprile 1945

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

M E M O

For Lt.Col. LAMER

File Control 41-54

89

(23)

Supply of materials
information Electricity.

I received your letters nr.306/RTU and nr.150/RTU both of April 24th 1945 and passed them on to Mr.Visentini to discuss the matter with H.E. the Minister of F.W. Mr.Visentini himself will answer your letters and inform you about Mr.Kuhl's decisions.

In the mean-time I wish to point out the following items.

1. Time ago I suggested names of electrical skilled men and believe the Ministry of P.W. will find among them men qualified to take over all matters relating to financial questions, supervision of rehabilitation works, supplies and operation control of electrical plants.

2. As detailed knowledge of damages and progress of works, and particularly field trips are the base for supervision and judgment on supplying material, in which matter our work was hampered by present difficulty of transportation means, it is hoped that transportation facilities may be quickly given to the Italian Government and that the highest priority may be ensured to the "Linea Gotica Orientale".

3. We very much appreciate the field trip reports that you regularly send us and are sure that you will kindly continue to send them as long as regular trips will not be arranged by us and that you will let us have every other available element on damages, rehabilitation programs ecc.

4. As to the procedure to be followed for supplies it would be considered useful that agreements be taken in advance on it and as to which Italian Government bodies allocations of different kind of materials will be made.

9/3

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

Information Electricity.

(23)

I received your letters nr.306/PRU and nr.358/PRU both of April 24th 1945 and passed them on to Mr. Visentini to discuss the matter with H.E. the Minister of I.T. Mr.Visentini himself will answer your letters and inform you about Mr.Mini's decisions.

In the mean-time I wish to point out the following items.

1. Time ago I suggested names of electrical skilled men and believe the Ministry of I.T. will find among them an qualified to take over all matters relating to financial questions, supervision of rehabilitation works, supplies and operation control of electrical plants.

2. As detailed knowledge of damages and progress of works, and particularly field trips are the base for supervision and judgment on supplying material, in which matter our work was hampered by present difficulty of transportation means, it is hoped that transportation facilities may be quickly given to the Italian Government and that the highest priority may be ensured to the "Luogotenente Generale".

3. We very much appreciate the field trip reports that you regularly send us and are sure that you will kindly continue to send them as long as regular trips will not be arranged by us and that you will let us have every other available element on damages, rehabilitation programs ecc.

4. As to the procedure to be followed for supplies it would be considered useful that agreements be taken in advance on it and as to which Italian Government bodies allocations of different kind of materials will be made.

943

Rome April 25th 1945

AA/ec

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

88

Centrale Idroelettrica "La Lama"

PROP. ANTONIO MENCHINI

Telefono 2762 - Arezzo - Via Vittorio Veneto

W & U, Sec.
1 JUN 1945 158

C. P. E. N. 75

Arezzo 5 Giugno 1945

QUARTIER GENERALE A.C.
Lt.Col. LAPPER - Controllo elettricità - ROMA
e per conoscenza al Sig.Capt. J. Burn -
84 C. R. E. - AREZZO

51

Con riferimento alla comunicazione fattami da una lettera in data 24 maggio 1945, diretta alla S.V. dal sig.Capt. J.Burn - 84 C.R.E. - Arezzo, devo pregare di voler richiedere al predetto sig.Capitano Burn maggiori chiarimenti in merito al lavoro e prestazioni cui è stata sottoposta la mia Centrale elettrica della Lama.

Il sig.capt Burn - che con apprezzabili accorgimenti e con la sua particolare competenza elettrotecnica potè superare gravissime difficoltà e potè organizzare e mantenere i servizi di produzione e distribuzione della energia elettrica nella nostra zona - è in grado di dare maggiori utili indicazioni circa le condizioni nelle quali si è svolta e si svolge la mia produzione e quale è la sua utilizzazione.

La mia Centrale potè funzionare subito dopo il passaggio del fronte, tosto ripristinate le linee di conduttura dell'energia, ed ha potuto da sola alimentare i servizi degli Alleati (Officine), i servizi pubblici della città (mulini da cereali ed olive, pompatura dell'acqua potabile ed illuminazione) nonchè gran parte dei servizi della provincia. Questo sino al 22 gennaio 1945, giorno in cui iniziò il suo funzionamento la piccola Centrale di Stia di circa 100 Kwa. Successivamente la mia Centrale ha funzionato in gran parte da sola per soddisfare i bisogni locali ed in parte in parallelo, oltre che con la Centrale di Stia, anche con due altre piccole Centrali, servendo da Centrale di Controllo. Devo altresì far notare che io non esercisco (contrariamente alle altre piccole Centrali che hanno industrie per proprio conto e che forniscono alla Valdarno l'eccedenza di energia) altra industria che quella della produzione e totale erogazione dell'energia, prodotta dalla mia Centrale, alla Valdarno.

Sino ad oggi la mia ditta non ha ricevuto - malgrado ripetute richieste- nessun acconto per la fornitura di energia elettrica di circa 3 milioni di Kilowattora; nè deve trascurarsi che tale produzione, a funzionamento normale e senza le presenti limitazioni, avrebbe dovuto rappresentare una erogazione di circa 4.000.000 kilowattora. Infine non deve essere dimenticato che una turbina di 240 Kwa. è stata messa fuori servizio per il continuo sforzo di carico squilibrato, e che la sua rimessa in funzione, ad opera della ditta costruttrice (Riva di Milano), si prevede oneresissimo, essendo stata visitata dai capitecnici della ditta stessa in questi giorni.
Confido che Ella vorrà procurarsi queste ufficiali informazioni accessorie, indispensabili per l'apprezzamento dei costi e per la giusta composizione della controversia.

Con osservanza

Antonio Menchini

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

87

DISTONE INFO APHQ

971 1 JULY 45 PRIORITY

RESTRICTED FD

SUBJECT IS ANCONA VOLTAGE FD

PARTY TO DISTONE INFO APHQ FOR DOC KILLIAN FROM HQ ALCOM SIXTH ACCPT PARTY

PARA ONE FD ANCONA VOLTAGE CONTINUES BAD BECAUSE OF TRANSFORMER OUTAGE SATURDAY AFTERNOON UNA LENGTH OF OUTAGE NOT YET KNOWN FD

PARA TWO FD EXPERIMENTING SUNDAY NIGHT TO FEED ALL FLORENCE AREA FROM NORTH THUS UNLOADING CENTRAL ITALY SYSTEM TO PERMIT SOME VOLTAGE RISE FD

PARA THREE FD ALSO ARE ENDEAVORING TO LOCATE SIXTY ELEVEN FIFTY KING VICTOR TRANSFORMER OF FIFTEEN THOUSAND KING VICTOR ABLE MAXIMUM CAPACITY TO INSTALL AT TERNI TO RAISE OUTGOING VOLTAGE TO ANCONA

941

PUBLIC WORKS
478906

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

INCOMING MESSAGE

HEADQUARTERS ALLIED COMMISSION

PW 86

Originator's Reference: ...KC04...
Date/Time of Origin: ...JUNE 301800B...
Message Centre No: ...B/7504...
Date Time Rec'd: ...JUNE 302115B...
Precedence: ...IMPORTANT...

FROM: CE DISTONE
TO : HQ ALCOM (FIES DIV) INFO AFHQ FOR DM

RESTRICTED

RESTRICTED

No improvement yet on 60 KV line ARCONA. Important installations in great difficulties. Essential voltage increased to 50 KV or nearest forthwith. Report action taken earliest.

RECEIVED
P.W. & U. S/C A.C.
16 JUN 1945 158

84-8-93 Rel

Dist

Action - PW & U SC
Info - Chief Communicaions
Econ Sec
File 2
Float

HEADQUARTERS
17 JUL 1945
A. C.

RESTRICTED

940

ACTION

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

RECEIVED
P.W. & U. S/C A.C.
28 JUN 19[illegible] 158

INCOMING MESSAGE

HEADQUARTERS ALLIED COMMISSION

Originator's Reference: FX 13739
Date/Time of Origin: JUN 271806B
Message Centre No: E/7023
Date Time Rec'd: JUN 272025B
Precedence: ROUTINE

FROM: AFHQ SIGNED SACMED CITE FHENG FOR CE.

TO : DISTONE. HQ ALCOM. 20 CRE

RESTRICTED

RESTRICTED.

Subject voltage ANCONA.

Information received transformer at TERNI will be changed night 28/29.

Report conditions on 30 June.

ACTION

DIST

ACTION: Pub Works Util
INFO: Chief Commissioner
Econ Sec
Communications S/C
File 2
Float

HEADQUARTERS
28 JUN 1945
A. 939 C.

RESTRICTED

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

158

84

AFHQ RPTD DISTONE

1

702 27 JUNE 45 PRIORITY

RESTRICTED PD

SUBJECT IS ANCONA VOLTAGE PD

PAREN TO AFHQ CITE FOX HOW EASY NAN GEORGE RPTD DISTONE FOR CHIEF ENGINEER FROM HQ ALCOM CITE ACFWU PAREN

PARA ONE PD REF YOUR FOX XRAY ONE THREE ZERO SEVEN ZERO DATED TWENTY SIX PD

PARA TWO PD TRANSFORMERS WILL BE CHANGED AT TERNI NIGHT OF TWENTY EIGHT SIX JUNE TO IMPROVE ANCONA VOLTAGE PD

PARA TWO PD CHANGE NOT POSSIBLE PREVIOUSLY BECAUSE OF NECESSITY OF MAINTAINING CONTINUOUS SUPPLY TO HIGH PRIORITY CUSTOMERS

13

65-86-93 Reg
87

938

Public Works

478906

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

Tel. 469081
Ext. 317

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

LWL/ac

79

Reference : 158/PWU

26 June 1945

Subject : Power allocation for the month of July 1945

To : ADVANCED SECTION ELECTRICAL DIVISION
Public Works and Utilities Sub-Commission
(Att. Maj. Barry) in care of AMG Florence Province
telephone 1153 - Florence

1. Enclosed herewith for information is copy of power allocation for the month of July 1945.

For the Chief Commissioner

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

1 enclosure

937

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

Tel.489081
Ext. 317.

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

LWL/ee

158/PWU.

16 June 1945.

SUBJECT: Lake of Piediluco.

TO : Ministry of Public Works (att: Eng. Asta)

78

The attached letter dealing with the installation of necessary screens at the mouth of the canals to the Terni power plant, to prevent loss of small fish, is passed to you for necessary action.

W.M. LAPPEN,
Lieut-Colonel,
Chief, Elec. Div.

67 letters

C.c.to: Economic Section
" " Ministry of Agriculture
Ufficio Centrale della Pesca.
" " Agriculture Sub-Commission

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

16

AIR OFFICE MEMO

Reference : GS / PWD 25 June 1945
Subject : Electricity supply
To : VIII HEADQUARTERS - Economic Section AC
ECONOMIC SECTION AC
ECONOMIC SECTION (Att. Col. L.J.Jenny)
INDUSTRY S/C, AC
INDUSTRY S/C, AC - Coal Section (Att. Lt.Col. EVANS)
PUBLIC RELATIONS DIV., AC
AGRICULTURE S/C, AC
FOOD S/C, AC
LABOUR S/C, AC
TRANS. S/C - Products & Works Div., AC
From : Public Works and Utilities S/C

1. Attached statements subject : Electricity Southern Italy and Electricity Central Italy are passed to you for information.

2. The figures at the foot of page 1 of each of these statements give the latest estimate of availability of power for the months of July to December 1945 inclusive.

3. Towards the end of July the frequency of supply for the whole of Central Italy will be raised from 45 cycles to 50 cycles.

W.E. LAPTHORN
Lieut-Colonel,
Chief Elec. Div.

936

GS : File 158

2 enclosures

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

(158)

74

DISTORS RUFS AFMS

213 21 JUNE 45 PRIORITY

IN CLEAR PD

SUBJECT IS ANCONA VOLTAGE PD

PARAM TO DISTORS FOR CHIEF ENGINEER RUFS AFMS FOR DIRECTOR OF WORKS

FROM HQ ALGIC CITE ACCTH PARAM

PARA ONE PD SITUATION CAUSED PARTIALLY BY HIGH LOADING OF GALLETO MACHINES AND PARTIALLY BY LOW POWER FACTOR ON UNKO SYSTEM WHICH SUPPLIES ANCONA PD

PARA TWO PD INSTRUCTIONS GIVEN LAST NIGHT FOR DRASTIC LOAD REDUCTIONS ON SYSTEM TO RELIEVE LOADING AT GALLETO HOPE PERMITTING SOME VOLTAGE INCREASE THERE PD

PARA THREE PD POSSIBILITY OF RAISING UNKO POWER FACTOR UNDER STUDY PD

PARA FOUR PD BELIEVE ONLY EFFECTIVE IMPROVEMENT AT ANCONA WILL RESULT FROM ELIMINATION OF ALL NON ESSENTIAL LOAD IN ANCONA AREA

935

PUBLIC WORKS

476906

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

INCOMING MESSAGE

HEADQUARTERS ALLIED COMMISSION

P. W & U

Originator's Reference: FX13070

Date/Time of Origin: JUNE 261620B

Message Centre No: E/6825

Date Time Rec'd: JUNE 262025B

Precedence: PRIORITY

FROM: AFHQ SIGNED SACMED CITE FWENG

TO : HQ ALCOM INFO CE DISTONE

73

RESTRICTED

RESTRICTED

ANCONA voltage is subject. Reports state 50 KV line receiving at 30 KV. Situation must be improved and civilian users must be disconnected if you cannot switch in suitable transformers. Confirm action taken.

RECEIVED
P.W. & U. S/C A.C.
27 JUN 1945 138

HEADQUARTERS
27 JUN 1945
A.C.

Dist

Action - PW & U SC
Info - Chief Commissioner
Econ Sec
File 2
Float

84 WAM

RELEASED

RESTRICTED

934

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

72

ADVANCED SECTION
ELECTRICAL DIVISION
PUBLIC WORKS & UTILITIES SUB-COMMISSION
ALLIED COMMISSION
A.P.O. 394

RECEIVED
P.W. & U. S/C A.C.
25 JUN 1945 158

6 Via Cerretani, Florence
Telephone No. 1153
June 21st 1945

SUBJECT: Photographs.

TO : Major Laughlin
Electrical Division P.W. & U. S/C
H.Q. Allied Commission APO 394

The following are the titles for the negatives now in process at Rome:

SUVIANA, Italy - June 12th 1945

11-3
No. 1 dam and intake for State Railway generating station at Suviana.

11-4
No.2 main dam at Suviana generating station.

20-11
Suviana generating station (exterior)

20-12
Spillway or overflow at main dam Suviana generating station.

10-48
General view of reservoir from main dam.

9-22
Interior of generating room Suviana generating station.

9-22
Damaged transformer Suviana generating station.

PIANO DELLA ROCCA, Italy - June 1st 1945

10-48
Switch yard at Piano della Rocca generating station.

10-47
Exterior of Piano della Rocca generating station.

93?

LEGHORN, Italy - June 5th 1945

20-12
Interior of turbine room Leghorn steam generating station.

20-11
Interior of boilers room Leghorn generating station.

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

21-10
Exterior of Leghorn steam generating station.

21-11
Coal handling system Leghorn generating station.

SUVIANA, Italy - June 12th 1945

7-15
General view of switch yard Suviana generating station.

7-16
Interior of generating room, viewed from control room floor level Suviana generating station.

PAVANA, Italy - June 12th 1945

7-25
Pavana generating station.

7-26
Repeat.

GALLICANO, Italy - June 1st 1945

10-40
Exterior Gallicano generating station

10-39
Interior Gallicano generating station.

CASTELNUOVO GARFAGNANA, Lucca Province, Italy, June 1st

7-23
Castelnuovo generating station.

7-24
Repeat.

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

932

2 copies made to be retained in Photographic Section

ADVANCED SECTION SUB-COMMISSION OFFICER ELECTRICAL DIVISION

27/6/45

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

Subject:- Price of electricity.

84 C.R.E.Works
CRE/27/14.
20 June 45.

71

H.Q. A.C. ROME
A.F.O. 394.
P.W. and Utilities Sub Commission.

RECEIVED
P.W. & U. S/C A.C.
22 JUN 1945
158

(54)

Reference your 158/P.W.W. of 30 May 45. Attached herewith are costings and statements from Sig. MENCHINI, sig. BOCCI and Lanificio di STIA.

Since my letter to you, you will see from MENCHINI's letter that Valdarno have now only offered him 150% over the pre-war prices which is a little hard in view of the fact Valdarno are authorized by you to charge 200% more (your 064/PWW of 4 Dec 44) and a later letter in which they are authorized 300%.

In April of this year I wrote to Valdarno reference prices in conjunction with A.M.G. AREZZO and you will see from their reply (attached) they were prepared to offer 300% at that time.

F.23-47k Cent areas

Captain R.E.
for/ Lt.Col. R.E.
84 C.R.E.Works.

JFB/MB.
float.

Enclosures passed to Interministerial Price Committee
28 June 45.

28-47k Cent areas

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

.15

VIA VARESE 5 - 11A

(71) (Ing. GIUSEPPE) LEVA (Technical Adviser of Soc. Idroelettrica "La Lamia")

Contract expired in {August Sept. 1941} — Expired in Sept. 1934 until 1944.

.6 Lire

Entire output purchased by Valdarno.

.35

Conference 27 June with Eng. Leva (La Lamia)

Contract 1934 to 1944 (Expired in Sept.)
Price .6 Lire / Kw.h.
Valdarno offered .3 Lire after Sept.

ING. RENATO GIURATI
FIRENZE
VIA CAVOUR, N. 18
Telefono N. 20-955 e 22-322

P.W. & U. S/C

Florence, 16th June 1945

70

RECEIVED
P.W. & U. S/C A.C.
20 JUN 1945 158

To THE H.A. ALLIED COMMISSION
ROMA

The undersigned would be interested to know the name of an American person, concern or company prepared to invest the required financial capital for the construction of a hydroelectrical plant on the Arno River, the project of which has been accomplished by the undersigned and for which the necessary authorisation of the Italian government is now under application.

Just the give a summary idea of the importance of the construction, I beg giving hereunder the following details:

Annual production	122.000.000 Kwh.
Maximum of power to be produced	16.000 HP.
Expenditure for construction at present cost prices	Lires 1.000.000.000

The plant is furnished with two reservoirs of a total capacity of 147.000.000 cubic metres, for the purpose of regulating the natural stream of the river, to make possible the irrigation of a surface of 87.000 Acres of ground in the Arno plain, between Florence and sea.

Thanking before hand for your kind information, I am,

Dear Sirs,

Yours very truly 929

No action necessary 1949

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

The undersigned would be interested to know the name of an American person, concern or company prepared to invest the required financial capital for the construction of a hydroelectrical plant on the Arno River, the project of which has been accomplished by the undersigned and for which the necessary authorisation of the Italian government is now under application.

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Thanking before hand for your kind information, I am,

Dear Sirs,

Yours very truly

924

No action necessary. HPA

16.000) 13.000.000.000 (812.50 per HP.

130.00 5-

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

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

INCOMING MESSAGE

HEADQUARTERS ALLIED COMMISSION

Pld 011

Originator's Reference:

Date/Time of Origin: JUNE 201400B

Message Centre No: E/5892

Date Time Rec'd: JUNE 201600

Precedence: IMPORTANT

FROM: ADW (E.M.) C/O 61 AREA

TO : HQ ALCOM, DW AFHQ, INFO: CE DISTONE

69

R

IN CLEAR.

Subject voltage at ANCONA. Situation in ANCONA for cold store unsatisfactory. 60 K.V. line voltage is 39 K.V. See our FX 86303 dated 2 June. Advise D.W.

RECEIVED
P.W. & U. S/C A.C.
20 JUN 1945 158

HEADQUARTERS
20 JUN 1945
A. C.

DIST

ACTION - PW & U SC
INFO - CHIEF COMMISSIONER
ECON SEC
FILE 2
FLOAT

ACTION

RESTRICTED

928

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

INCOMING MESSAGE

HEADQUARTERS ALLIED COMMISSION

P W 68

Originator's Reference: E 786
Date/Time & Origin: JUNE 19/1745B

Message Centre No: E/5827
Date Time Rec'd: JUNE 20/0830B
Precedence: IMPORTANT

FROM: CK DISTONE

TO : HQ AC (ELEC DIV) RAAC

RECEIVED
P.W. & U.S/C A.C.
20 JUN 1945 158

R

RESTRICTED.

Subject is electricity supply ANCONA. Voltage at present only 40000. Improvement to 64000 urgently required. Please signal when improvement is likely to take place. Military installations unable to function

ACTION

DIST

ACTION : PW & U SC

INFO : CHIEF COMMISSIONER
ECON SEC
FILE (2)
FLOAT

HEADQUARTERS
20 JUN 1945
A. C.

RESTRICTED

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

Tel:478208 HEADQUARTERS AILIED COMMISSION
APO 394
Agriculture Sub-Commission

BCFM/oc 67

AGR/ 506.6

13 June 1945

SUBJECT: Lake of Piediluco

To : Public Works Sub-Commission

RECEIVED
P W & U
15 JUN 1945 158

1. A very large percentage of the minnows placed into subject lake to repopulate it with fish lose themselves into two canals recently constructed by the "Societa Idroelettrica" of Terni. This situation can be remedied easily by installing grill doors at the mouth of the canals to prevent the minnows from escaping. Under the Italian law the electric company is responsible for safeguarding the fisheries resources of the lake.

2. It is requested that this matter be referred to the competent Italian Ministerial authority for immediate action.

J. M. Merritt
JAMES M.MERRITT
Director

Distribution:
Economic Section
Ministry of Agriculture
Ufficio Centrale della Pesca
Files

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

0 0 152

COPY

nr. 212

Rome, 4th June 1945

SUBJECT :
Procurement of Transportation
for Electric Power Companies.

TO A.C. HQ.
P.W. & U. Sub-Commission
Electrical Division

1. Reference your letter 122/PWU of May 28th, I am informing you that Mr. Visentini had a talk with Mr. Ruini to discuss the above mentioned matter.

2. It is considered first that some help may be obtained throught the procedure already stated for giving to Electric Companies higher priority for transportation by means of State Railways vans.
In order to obtain such facilities in any case Electric Companies will send us their applications specifying the number and characteristics of vans required.

3. It is thought a good help might be obtained throught the vehicles that, as it is known, will be given to the Italian Government by Allied Military Authorities.

4. The matter of allocations of these vehicles is being dealt by the Ministry of Transports, Ispettorato per la Motorizzazione, who will collect lists of requirements and consequently allocate the vehicles available.

5. The Ispettorato Generale for Electricity Water and Gas are collecting the requirements of Electric Companies and their own requirements, which will be submitted to the Ispettorato per la Motorizzazione, in order to obtain the necessary vehicles.

6. I shall keep you informed about the action which will be taken.

Original in File 122

Eng. A. Asta
"Ispettorato Generale"
for Electricity Water and Gas

925

AA/ac/sg

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

Pubs. Central Files 154 Panel 1

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

Electrical Division

MEMORANDUM ON THE STANDARDISATION OF FREQUENCY
FOR CENTRAL AND SOUTHERN ITALY

1) - With reference to the electrical power situation in South, Central and North Italy, it is now known that surplus power is available in North Italy over and above their needs after the restoration of industry to normal operation.

2) - Arrangements have been made for 100,000 Kilowatts of electric power to be transmitted from North Italy to Central Italy as and when the transmission facilities become available. It is hoped that some of this power may be taken by Central Italy at the end of July and that sufficient transmission capacity will be available for the full 100,000 Kilowatts to be taken by the end of August.

3) - It is further proposed that 20,000 Kilowatts of power will be transmitted from Central to Southern Italy through the Terni-Pescara line which will be repaired by the end of August.

4) - The question of frequency of supply is an important matter at this stage and as the incoming supply from the North will be at 50 cycles it is necessary that the electrical system receiving this supply shall operate at the same frequency. If different frequencies are allowed to exist the systems will have to operate as isolated areas and a loss in capacity and reliability will take place.

5) - On an interconnected grid system advantage is taken of diversity of load and reduction in spare capacity to meet emergency, and by this means an increase in generating facilities is made available together with a greatly increased reliability of supply.

924

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

6) - The frequency of supply in Central Italy was mainly 50 cycles although there was a large area around Rome operating at 45 cycles.

In order to gain the benefit of an interconnected grid system, arrangements were made for the whole of Central Italy to be interconnected and to operate under a Master Control Centre.

A frequency of 45 cycles was chosen because at that time plans were being developed to send power to Bologna which was in a 42 cycle area, the change from 42 cycles to 45 cycles being easily accomplished.

7) - In view of the changed conditions whereby power is to be brought in from the North at 50 cycles, it is desired now to change over the whole of Central Italy to 50 cycles. Furthermore as Southern Italy is also operating at 45 cycles this will be bought into line so that a standard of 50 cycles will then obtain for the whole of that portion of Italy South of Bologna.

8) - This matter was put before the Advisory Committee on Electric Power (Central Italy) at their meeting held on 25th May 1945. At this meeting Eng. Masturzo of the Societa Meridionale di Elettricita the parent company operating in South Italy attended.

9) - The Committee agreed that it was most desirable that the frequency change shall take place and stressed the importance of this being done at the present time while the demand is below normal and before further factories are put into operation.

The Committee however considered that any costs which consumers may have to incur should not be claimed against the power companies.

10) - It is anticipated that there will be some factories where speed of drive of machinery is critical and changes in pulley or gear size may have to be made. In some cases new electric motors may have to be installed. Production generally will be increased since the change in frequency will mean a 11% increase in the speed of electric motors. Only rotating electrical plant will be affected by the change.

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

11) - Italy is anxious to effect this standardisation of frequency and bring her country in line with the European Standard. Attempts have already been made but the electrical companies have not been very cooperative. There is still a decree calling upon all companies to change to 50 cycles by the year 1952 but any boom in factory production may make it difficult for this to be done, and in fact there is no guarantee that it will be carried out by that date.

12) - The benefits to be obtained by having a standard frequency of 50 cycles are as follows :

(a) - 50 cycles is a European standard.

(b) - Italy will be free to buy the standard electrical plant and equipment at a cheaper cost than at present.

(c) - Large saving in generating costs in Italy by operating an interconnected electrical system.

(d) - Frequency changers, a costly and wasteful machine will not be required.

13) - As an increase in frequency will also mean an increase in demand for power it is necessary that additional power facilities be arranged before any change is made. The following programme is therefore recommended :

15th July 1945 - The third 35,000 KW unit will come into operation at Terni and will provide the extra power required to effect a change in frequency. The frequency in Central Italy to be raised from 45 cycles to 47 cycles.

31st July 1945 - Subject to satisfactory operation at 47 cycles the frequency in Central Italy to be raised from 47 cycles to 50 cycles. If this change causes some factories to cease work owing to difficulty in machinery drive, the Inspector General of Electricity, Water and Gas of the Ministry of Public Works will decide whether the factories shall cease work until the necessary adjustments have been made or whether they can be kept in operation while the alterations are being prepared. This will be done either by isolating plant on separate frequencies or reducing the system frequency.

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

1st September to 1st October 1945 - It is understood that at this date Southern Italy will have made the necessary adjustments so that their frequency can be raised to 50 cycles and interconnection made with Central Italy. It will be desired to effect this in two stages as outlined above. The additional load taken up by Southern Italy due to the increase in frequency will be supplied from Central Italy and power may have to be curtailed in the South during the transitional stages.

14) - The change of frequency in Central Italy to 45 cycles was a condition brought about by the war, and the electrical companies could not avoid having to make the change which was advised by Allied Commission.

Again Allied Commission are advising that in order to transmit a large block of power from North Italy to Central and Southern Italy the frequency of Central and Southern Italy should be raised to 50 cycles to meet this contingency.

15) - Since the change in frequency is being forced upon the electrical companies due to conditions brought about by the war, and bearing in mind that a standard frequency will allow of an interconnected grid system with the resultant increase in power available for the activation of additional factories, it is considered that consumers should have no claim upon the electrical companies for any costs which they may incur in making adjustments to plant to suit the changed frequency conditions.

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

Rome, 29 May 1945

921

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

File

Tel. 478096 HEADQUARTERS ALLIED COMMISSION VSR/bb

INTER OFFICE MEMO

64

11 June 45

REFERENCE: 158/PWU
SUBJECT : Visit to Guarcino Generating Station, 9 June 1945.
TO : Distribution.
FROM : P. Wks. & U. Sub-Commission.

1. In company with Ing. Di Stefani, SME, and Ing. Pietromarchi, I visited Guarcino Generating Station on 9 June 1945. This plant is located at Guarcino, about 10 kilometers east of Fiuggi, and 60 kilometers east of Rome. It is on the Cosa River. It was under construction during the war.

2. Characteristics of the plant follow:

Capacity: 1,600 HP for five months.
800 HP minimum.
1,750 KVA
Head : 188 meters.

3. Plans call for the plant to be used also as a 20 KV substation, and to be connected with the Subiaco station at 20 KV. With the exception of minor damages to the top of the penstock, the plant has been unaffected by the war. The Romana Company states that the plant can be operating in 3 months, provided that they receive 50 tons of cement, and that the generators, weighing about 15 tons be transported from Cesco, where it was manufactured.

4. In consideration of the low capacity of the plant, it is recommended that transportation and materials, both scarce items, not be made available for the project at this time.

R

VENAL S. RENTON,
Lt-Colonel, Inf.,
Plans and Operations.

920

Distribution:
Lt-Col. Lapper
Lt-Col. Renton
Major Price
Ing. A. Anta.

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

Tel. 478.906 HEADQUARTERS ALLIED COMMISSION VSR/lam
APO 394
Public Works and Utilities Sub-Commission

63

Reference: 158/PWU 6 June, 1945

SUBJECT : Electric Company Operating Statistics.

TO : Italian Ministry of Public Works
(Attention Prof. A. Asta)

1. Transmitted herewith are two examples of weekly reports received from A.C.E.A. and U.N.E.S. companies, relating to current operating statistics.

2. Since the Electrical Division no longer contemplates compiling data of this nature, these statistics are of no more concern to us. It would be appreciated if you would notify the electric companies that this information is no longer required here, and that it should be sent to your office in the future, if you need it.-

R.M. LAPPER,
Lieut-Colonel,
Chief Electrical Division.

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

DCK/fe/sg

62

COPY

RESTRICTED

ALLIED FORCE HEADQUARTERS
APO 512

ADMINISTRATIVE MEMORANDUM)
NUMBER 32)

30 May 1945

Electric Power Rehabilitation I
Local Resources in Italy - Mainland & Islands II
Establishment of Local Sub-Committees of Labor and Wages Control Committee.III

I---ELECTRIC POWER REHABILITATION

AFHQ Administrative Memorandum Number 58, 1944, and Section I Administrative Memorandum Number 7, 1945, are rescinded.

1. The Electrical Reconstruction Committee created by above Administrative Memoranda is dissolved.

2. The functions of electric power rehabilitation are transferred to the Allied Commission.

3. Military agencies engaged in electric power rehabilitation activities will coordinate their plans with the Allied Commission.

II --LOCAL RESOURCES IN ITALY - MAINLAND & ISLANDS

AFHQ Administrative Memorandum Number 52, 1944, is amended as follows:

1. Section I, Paragraph 2, Restricted Items is amended by the addition of the following after Item 1:-

"7. Poplar Wood."

2. Section I, Paragraph 1 (f), Industrial Gases and Chemicals, delete Serial 29 and substitute:

"29. Gas Bottles and Containers - other than those specifically designed for the storage of Methane Gas."

III - ESTABLISHMENT OF LOCAL SUB-COMMITTEES OF LABOR AND WAGES CONTROL COMMITTEE

AFHQ Administrative Memorandum Number 25, 1945, is amended as follows:

1. In Paragraph 6b, line 3, before "Allied" insert "Combined" and after "scale" insert "and bonuses".

2. Paragraph 2b of Appendix "A" is amended by the addition of the words: "(including an appropriate allowance for paid annual and other holidays)".

3. Paragraph 3 of Appendix "A" is amended by the insertion of the words "sickness insurance" after the words "social insurance".

BY COMMAND OF FIELD MARSHAL ALEXANDER:

C.W. Gairdner-Beard
Colonel, AGD
Adjutant General

RESTRICTED

Original to file 171
Copy to 051

918

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

FOR ACTION ADMAR FOR OCS FORCOS FOR OCAO FOR OLAC RPTD UK BASE SECTION (LONDON) FOR CABINET SECRETARIAT RPTD APWA FOR PRIO

11 JUNE 45

ROUTINE

RESTRICTED FD

THIS IS MOO ONE SIX EIGHT FD

REPEA COM ONE NINETY EIGHT FD

PARAS TO FOR ACTION ADMAR MOO OCS FOR OCAO FOR OLAC RPTD UK BASE SECTION (LONDON) FOR CABINET SECRETARIAT RPTD APWA FOR PRIO FROM HQ AIOOM DTG ADDRO PARAS

PARA ONE FD AIOOM RADIO EIGHT FIVE NINE THREE SHOULD R-T SHOULD BE IN COM HYPHEN MOO SERIES FD PLEASE GIVE IT MOO MEMBER ONE SIX NINE FD

PARA TWO FD MEW SUBJECT OLM BELIEVE MOO NUMBER WAS OMITTED ON OUR CABLE NINE THREE TWO SIX DTG SEVEN JUNE FOUR FIVE RELATIVE TO MOO AIRDRAM FIVE SEVEN FD IF SO DWA GIVE MOO NUMBER ONE SIX SIX FD.

Distribution
INFO; PW&U S/C -1

RB Files-2

Requisition Branch

549

H. D. QUARTIER
Lt. Col., QMC
Economic Section

NICHOLAS PIGNATARO
CWO, USA
Asst. Adjutant

917

Fab. Elect Central Italy

Società Metallurgica Italiana

ANONIMA SEDENTE IN ROMA CAPITALE L. 90.000.000 INTERAMENTE VERSATO

SEDE COMMERCIALE E AMMINISTRATIVA
MILANO - VIA LEOPARDI, 15

STABILIMENTI IN
LIVORNO
CAMPO TIZZORO
LIMESTRE PISTOIESE
FORNACI di BARGA
SESTO S.GIOVANNI

CODICI TELEGRAFICI USATI
A.B.C. 5ª & 6ª EDIZIONE
A.I.
BENTLEY'S
RUDOLF MOSSE

N.° 843
da citare nella risposta

Roma 27th May 1945
VIA REGINA ELENA, N. 86

67

UFFICIO DI ROMA

Com.C/P

- To Public Works Utilities Subcommission Electrical Department

- To Industry Subcommission (Ref.AC/5680/ind) .

ROME

Translation

Conductors productions

1. - During the german occupation, aiming to save in best condition possible the most important machinery we got it moved from our factory in Fornaci di Barga to Brescia included Machinery for conductor production .

2. - At present to satisfy steady requirments of conductors for the Rail-way and for Electrical Societies it would be necessary to bring the machinary back to Fornaci di Barga, to be able to increase the actual power .

3. - It consists of :

a) - a complete drawing plant for the production of troley wires;

b) - two drawing plants for wire of 1.60 mm. to 8 mm. diameter; engines particularly fit for the production of wires for cables .

4. - On the meantime, we are dealing with the Allied Authorities in Tuscany and Lombardia to get transportation, we beg this subcommission to be so kind as to step in at these Authorities to point out the special urgence needed for the conductor production .

We presume that 4 big truchs would be sufficient .

We thank beforehand .

SOCIETÀ METALLURGICA ITALIANA

TELEFONO 40-697 - TELEG. CUPRUM - ROMA

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

STABILIMENTI
IN
LIVORNO
CAMPO TIZZORO
LIMESTRE PISTOIESE
FORNACI di BARGA
SESTO S GIOVANNI

CODICI TELEGRAFICI USATI
A B C 5ª & 6ª EDIZIONE
A I
BENTLEY'S
RUDOLF MOSSE

da citare nella risposta

UFFICIO DI ROMA

Com.C/P

- To Public Works Utilities
  Subcommission
  Electrical Department

- To Industry Subcommission
  (Ref.AC/5680/ind) .

ROME

Translation

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2. - At present to satisfy steady requirments of conductors for the Rail-way and for Electrical Societies it would be necessary to bring the machinery back to Fornaci di Barga, to be able to increase the actual power .

3. - It consists of :

   a) - a complete drawing plant for the production of trolley wires;

   b) - two drawing plants for wire of 1.50 mm. to 8 mm. diameter; engines particularly fit for the production of wires for cables .

4. - On the meantime, we are dealing with the Allied Authorities in Tuscany and Lombardia to get transportation, we beg this subcommission to be so kind as to step in at these Authorities to point out the special urgence needed for the conductor production .

   We presume that 4 big truchs would be sufficient .

   We thank beforehand .

SOCIETÀ METALLURGICA ITALIANA
M. CALVETTI

TELEFONI 40-607 - TELEG CUPRUM - ROMA

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

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

Tel. 489081
Ext. 317

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

LWL/ac

Reference : 158/PWU

1 June 1945

Subject : Power allocation for the month of June 1945

To : ADVANCED SECTION ELECTRICAL DIVISION
Public Works and Utilities Sub-Commission
(att. Maj. Barry) in care of AMG Florence Province
telephone 1153 - Florence

1. Enclosed herewith for information is copy of power allocation for the month of June 1945.

For the Chief Commissioner

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

915

1 enclosure

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

(Ref Rentin & Pirelli Ödeal Contel
Italy
work

~~Mai Price~~

REPORT ON THE MEETING HOLD ON 2/6/45
IN COL LAPPER'S OFFICE

59 bis

Present : Lt. Col. Lapper
Eng. Visentini
Eng. Anta

Maj. Laughlin attended the meeting as well as Maj. Price for the matter regarding Vomano plant.

Col.Lapper informed that Eng. (?) Amodio has been appointed Commissioner at Larderello Co. Owing to the importance of their plants, he considered to be paramount to have a coordinated works program agreed upon.

As Eng.Virgili seems to be no longer the Director of the Company and the appointement of a new Director is expected any moment, Col.Lapper thought advisable to hold a meeting in his office with the new Director as soon as he will be appointed, in order to decide whether to keep on the actual works program or to modify it.

Col.Lapper asked about the financial standing of Terni Co and the works situation of Vomano plant.

He was afraid the present uncertain situation of the Company could hamper the financing for the works which are being carried out, particularly those at Vomano plant.

Eng.Visentini thought, that, for the time being, nothing can be done as regards financing of reconstruction works as the matter is being dealt with by the Ministry of Finance. As to the guarantees required by the Company in order to obtain private financing for the new works, he believed the situation is being improved owing to the increase of sales from Terni Co. Anyhow Col.Lapper doubted some quantities of energy have not yet been paid by some Companies, perhaps due to the fact that

91

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

power was supplied at 45 instead of 50 ~. In order to examine the matter carefully it is thought convenient to held a meeting together with representatives of the Company.

Another important matter arising from the situation of Vomano plant is that concerned with cement.

In the meeting of 14 March held in Eng.Visentini' s office with Maj.Barry, the latter declared the Allied Commission would have allotted 1500 tons of cement of type 620 for the two months of April and May, in order to meet the bequirement of the Company for both types 620 and 500. The Ministry of Public Works was supposed to provide for the requirement of cement 350 for the same period and the requirement for the following months. Following the freezing of all the cement by the Allied Military Authorities,no allotment was made to Terni Co. When successively cement was released the allotments for the electric industry were being made to an extent of only 1000 tons. per month. During April and May no allotment for Vomano plant was possible.

Owing to the present limited availability for electric industry is not possible to have at present, by exception, the above mentioned allotment of 1500 tons. Starting from July, all the quantities of cement will be made available to the Ministry of Industry. Therefore it was decided the Ministry of Public Works will make timely arrangements with it about the requirement for electric industry.

Unfortunately it is difficult that considerable quantities of cement can be allotted to the electric industry, as first priority should be given to the works for railway communications, being the electric situation much less serious.

Owing to this situation, difficulties may arise for Terni Co. to complete their outdoor works during the good season. Therefore it seemed advisable to examine, together with Terni itself whether it is preferable to resume working within next July, or to delay them until next spring.

A meeting on this matter will be held in Eng.Visentini's office and the results will be notified to Col.Lapper.

913

Names of members to be appointed as members of the Advisory Committee for Northern Italy were agreed. Names of the representatives of Municipalities, State Railways and minor Companies will be suggested by the Ministry of Public Works as soon as informations will be available from Northern Italy.

AA/ac

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

MEETING OF 5/6/45
HOLD IN ENG.VISENTINI'S OFFICE
ABOUT VOMANO PLANTS

Present : Eng. Visentini
" Asta
" Angelini
" Gigli

The matter of allotments of cement for resuming works at Vomano plant was discussed and the following agreements were made.

1. The Ministry of Public Works, Ispettorato Generale Elettricita, Acqua, Gas will make application to the Ministry of Industry in order to get a monthly allotment of cement for the electric industry greater than the previous one of 1000 tons made to A.C. Electrical Division for the months of April and May.

2. Should the Ministry of Industry raise objections against increasing the monthly allotment, the "Ispettorato" will get in touch, through the A.C. Electrical Division, with the Industry Sub-Commission to have the total monthly allotment to the Ministry itself increased. Even a rilevant increase in the allotment to the electric industry would affect slightly the total allotment of the whole Ministry of Industry.

3. After obtaining this allotment, Terni Co. will be allotted the cement required for Vomano plants; speeding up the works within the first few months.

Eng.Angelini pointed also out the opportunity of taking into consideration the possibility of carrying out works of a certain importance but on a small scale, which require quantities of cement comparatively modest.

Rome, 9th June 1945

917

AA/ac

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

MINISTERO DEI TRASPORTI
FERROVIE DELLO STATO

COMPARTIMENTO DI

UFFICIO ELETTRIFICAZIONE
ROMA

4 giugno 1945

Al N. NER/ 1935/41 del

OGGETTO Andamento lavori

RECEIVED
P.W. & U. S/C A.C.
6 JUN 1945 158

COMMISSIONE ALLEATA PUBLIC
WORKS AND UTILITIE
R O M A
Via Veneto- 8° piano

Si rimette una copia del rapporto dei lavori di ripristino di linee elettriche e degli Impianti idroelettrici del Sagittario, eseguiti a tutto il 31 s.m.

IL INGEGNERE CAPO DELL'UFFICIO

911

III Sezione - Ufficio - Stazione, ecc

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

MINISTERO DEI TRASPORTI

FERROVIE DELLO STATO

Ufficio Elettrificazione Roma

Media giornaliera della MANO D'OPERA impiegata durante il mese di MAGGIO nei seguenti lavori:

	Pers.Ditte	Pers. F.S.
RIPRISTINO LINEE PRIMARIE		
Linea Foligno-Falconara	15	5
" Orte Ponticino	98	17
CENTRALE DEL SAGITTARIO	20	47

RECEIVED
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5 JUN 1945 158

910

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

2 -

Subject:- Price of electricity.

D4 C.E.E.Works
C2%/27/14
30 May 45.

56

H.Q., A.C. SCMS (Attention of Lt.Col. HAPPE, Electricity Control)

Reference this Office letter of even number dated 24 May 45 para 5. (Copy Attached).
Herewith two letters which were omitted from the above quoted memo.
Error regretted.

RECEIVED
P.W. & U. S/C A.C.
-3 JUN 1945 158

AE/MB.
Encl.

Captain R.E.
for/Lt.Col. R.E.
D4 C&S Works.

909

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

Subject:- Price of electricity.

84 C.R.E. Works
CRE 27/14
24 May 45.

C.R. No 1 District.

copy H.Q. A.C. Rome ✓

Will you amend this H.Q. letter CRE 27/14 dated 24 May 45 (copy to you), addressed as under:

H.Q., A.C. ROME (attention Lt.Col. HOPPER, Electricity Control)

To read:

H.Q., A.C. ROME (attention Lt.Col LAPPER. Electricity Control)

Captain R.E.
for/Lt.Col. R.E.
84 C.R.E. Works.

908

Subject:- Use of Electricity.

3, CME Works
CME/27/14.
24 May 45.

1 [illegible], A.C., MCME. (attention of Lt-Col Lepper, Electricity Control).

Copy : C.E. 1 District.
Signor Mancini, AREZZO.
Director Lanificio di Stia.

1. General dissatisfaction is being caused with small hydro station owners in AREZZO Area by Valdarno Electricity Coy regarding the matter of payment for power produced during the emergency period Aug 44 to May 45.

2. Previously nearly all these small stations had private industries attached and surplus current was sold to Valdarno.

3. When this H.Q. took over the area it ruled that all power produced would be supplied into the Valdarno network and power rationed to all civilian consumers.

4. Until the installation of POLANO 60/10 K.V. transformer early in May 45 this area was solely dependent on these local stations with a 1,000 K.V.A. transformer at AREZZO 35/10 K.V. as emergency supply, the voltage and frequency being too low to be of any use except lighting.

5. Signor Mancini, the owner of the largest station (1,240 K.V.A.) has been offered 0.36 lire per K.W. Hr. for the emergency period as set out in para 1. He complains that this price is not sufficient to cover his expenses (are two letters attached). Pre-War he used to supply current in parallel with Grid and therefore able to give full output. Now owing to the fact that his station acts as controlling station for group, he suffers all the losses.

6. This situation will be rectified with the installing of new pumps for AREZZO town within the next few days, but up till now it has been a military and civilian necessity that 50 frequency be maintained for the town pumps.

7. The same applies to 100 K.V.A. set owned by Lanificio di STIA whose average production 5 - 22 May 45 was 700 K.W. Hrs daily which at price of 0.30 lire brings them in 210 lire per day (24 hours). They complain that they cannot go on running station unless prices are raised. This again will be rectified when all are in parallel with TRONI.

8. Similar conditions apply to the other four privately owned stations.

9. May this matter of price of energy for the emergency period be taken up immediately and a decision given, as it is felt that Valdarno are taking advantage of the small owners in that they are compelled by the military to give all power to Valdarno which has hindered the reconstruction of their own factories and where there were undamaged, as in the case of flour mills, they were only allowed to use their own power for 6 hours out of the 24.

907

[signature]
Captain RE.,
for Lt-Col RE.,

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

and surplus current for sale to Valdarno.

3. When this H.Q. took over the area it ruled that all power produced would be supplied into the Valdarno network and power restored to all civilian consumers.

4. Until the installation of POIANO 60/10 K.V. transformer early in May 45 this area was solely dependent on these local stations with a 1,000 K.V.A. transformer at AREZZO 35/10 K.V. as emergency supply, the voltage and frequency being too low to be of any use except lighting.

5. Signor Mannucci, the owner of the largest station (1,240 K.V.A.) has been offered 0.30 lire per K.W. hr. for the emergency period as set out in para 1. He complains that this price is not sufficient to cover his expenses (one two letters attached). Pre-War he used to supply current in parallel with Grid and therefore able to give full output. Now owing to the fact that his station acts as controlling station for group, he suffers all the losses.

6. This situation will be rectified with the installing of new pumps for AREZZO town within the next few days, but up till now it has been a military and civilian necessity that 50 frequency be maintained for the town pumps.

7. The same applies to 400 K.V.A. set owned by Lanificio di STIA whose average production 5 - 22 May 45 was 700 K.W. Hrs daily which at price of 0.30 lire brings them in 210 lire per day (24 hours). They complain that they cannot go on running station unless prices are raised. This again will be rectified when all are in parallel with TERNI.

8. Similar conditions apply to the other four privately owned stations.

9. May this matter of price of energy for the emergency period be taken up immediately and a decision given, as it is felt that Valdarno are taking advantage of the small owners in that they are compelled by the military to give all power to Valdarno which has hindered the reconstruction of their own factories and where these were unlumegal, as in the case of flour mills, they were only allowed to use their own power for 6 hours out of the 24.

907

Captain RE.,
for/ Lt-Col RE.,
No. G2B Works.

JFF/TS.
float.

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

COPY.

Centrale Idroelettrica La Lama.
Prop. ANTONIO MENCHINI
Telefono 27-62 - AREZZO - Via Vittorio Veneto.

AREZZO 16 Maggio 1945

Al Sig. Capitano BEEF
Comandante Servizi Elettrici - 8. C.R.E. Wks. AREZZO.

Informo la S.V. che ieri mi sono recato a Firenze, presso la Direzione della Società Elettrica del Valdarno, per determinare il prezzo della energia elettrica fornita dalla mia Centrale per i servizi pubblici e per quelli privati della città e provincia, sino dall'agosto 1944.

Dopo prolungata discussione ho ricevuto offerta di L.0,30 per kilowattore, in confronto della mia richiesta di L.2,00.

Questa offerta è irrisoria di fronto al costo di produzione che devo sostenere e che è dimostrato con chiare cifre dallo stato dimostrativo che allego alla presente, e dal servizio gravoso che ho dovuto sostenere e che tutt'ora sostengo di carico continuamente squilibrato con una conseguente limitazione di produzione di kwora. Aggiungo che il costo di esercizio dovrà in seguito sopportare anche più gravi oneri, perchè una turbina è fuori uso, perchè le griglie devono essere tutte di nuovo rigirate e raddrizzate e perchè lunghi tratti di muro nel canale di adduzione e di scarico devono essere ricostruiti essendo stati danneggiati dai bombardamenti e dalle grandi piene di quest'anno.

In questa condizione di cose sarei grato alla S.V. se volesse intervenire presso il Comando Alleato, acciò la mia fornitura in tempo di emergenza possa ricevere quella remunerazione adeguata alle spese che ho sostenuto e che dovrò sostenere.

Ringrazio anticipatamente.

Con osservanza ANTONIO MENCHINI.

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16 May 1945.

To:- Capt. Barn,
8. CRE Works, AREZZO.

Yesterday I went to FLORENCE, to the Head Office of Società Elettrica del Valdarno, to establish the price of electric power supplied by my Power Station to the public and private services in the town and in the Province, since August 1944.

After a long discussion they offered me 0.30 Lire per KWH, against my request of 2 Lire.

This offer is useless, as I have to support many production expenses, as is clearly shown on the attached statement. I had and still have a loss as the load is continually irregular, therefore limiting my production. Afterwards my expenses will be increased as one turbine is not in working order, the grills must be repaired and straightened, and I must rebuild long stretches of wall in the intake and discharge canals damaged by the air raids and the floods.

I am now applying to you, hoping you will take the matter up with the Allied Authorities, in order that power supplied during the emergency period and my next expenses are justly paid for. With many thanks.

906

(sgd) ANTONIO MENCHINI.

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

- C O P Y -

C E N T R A L E I D R O E L E T T R I C A "L A L A M A"

Prop. ANTONIO MECHINI

TELEFONO 27-62 AREZZO. Via Vittorio Veneto.

Elementi del costo della produzione calcolati secondo i valori attualmente correnti e per una utilizzazione media annua di Kw. 2.500.000 e tenendo presente che residuano 46 anni di sfruttamento della concessione.

La mancanza di adeguati profitti non ha permesso sin qui di iniziare l'ammortamento delle spese d'impianto, mentre questo ammortamento e' ormai urgente. Si nota del pari che se l'utilizzazione media presa a base dei computi dovesse ridursi, il costo unitario della produzione subirebbe un aumento.

ANALISI DEGLI ONERI E DELLE SPESE	Annuali	per Kw/ora
Ammortamento annuo impianti reversibili	L. 1.245.630	- 0,4982520
Deperimento installazioni e macchinari non reversibili	246.220	- 0,0984880
Remunerazione del capitale impiegato-parte non reversibile	255.000	- 0,1020000
Canone erariale per derivazione ARNO	7.116	- 0,0028464
Compenso per la salvezza della Centrale dalle distruzioni tedesche-Ammortamento	510.624	- 0,2042496
Dimissioni di passivita' bancarie	150.290	- 0,0601160
Manutenzioni ordinarie	300.600	- 0,1202400
" straordinarie	560.000	- 0,2240000
Imposte, tasse, tributi vari	130.680	- 0,0522720
Assicurazioni varie	280.500	- 0,1122000
Consumi di materie prime	85.000	- 0,0340000
" di materiale elettrico	25.090	- 0,0100360
Stipendi e salari personale Centrale	550.000	- 0,2200000
Autotrasporti e trasporti vari	320.000	- 0,1280000
Direzione e impiegati	250.000	- 0,1000000
Spese di amministrazione	70.000	- 0,0280000
Spese non classificate e minute varie	25.000	- 0,0100000
Totali	L. 5.011.870	- 2,0047480

firmato: Antonio Mechini

TRANSLATION.

Production expenses as below are calculated on current prices for an average production of 2,500,0 Kw hrs per year and taking into consideration the concession is good for another 46 years, as I have never had adequate profits I have not been able to meet the installation costs and it now becoming urgent. It must be considered too that if the yearly average production is reduced, the price per unit will have the increased.

ANALYSIS OF EXPENSES	Per annum	per Kw hrs.
Annual depreciation of plant to be handed back after 46 years	L. 1.245.630	- 0,4982520 — .498
Annual depreciation of plant not handed back	246.220	- 0,0984880 — .098
Interest of invested capital	255.000	- 0,1020000 — .102
[illegible] for the [illegible] derivation	7.116	- 0,0028464

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

Divisioni di passivita' bancarie	300.600	- 0,1202400
Manutenzioni ordinarie	560.000	- 0,2240000
" straordinarie	130.800	- 0,0523200
Imposte, tasse, tributi vari	280.500	- 0,1122000
Assicurazioni varie	85.000	- 0,0340000
Consumi di materie prime	25.090	- 0,0100360
" di materiale elettrico	550.000	- 0,2200000
Stipendi e salari personale Centrale	320.000	- 0,1280000
Automezzi e trasporti vari	250.000	- 0,1000000
Direzione e impiegati	70.000	- 0,0280000
Spese di amministrazione	25.000	- 0,0100000
Spese non classificate e minute varie		
Totali.....	L. 5.011.870	- 2,0047480

firmato: Antonio Marchini

TRANSLATION.

Production expenses as below are calculated on current prices for an average production of 2,500,0 Kw hrs per year and taking into consideration the concession is good for another 46 years, as I have never had adequate profits 905 have not been able to meet the installation costs and it now becoming urgent. [illegible] be considered too much if the yearly average production is reduced, the price per unit will have the increased.

ANALYSIS OF EXPENSES

	Per annum		per Kw hrs.
Annual depreciation of plant to be handed back after 46 years	L. 1.245.630	-	0,4982520 — .498
Annual depreciation of plant not handed back	246.220	-	0,0984880 — .098
Interest of invested capital	255.000	-	0,1020000 — .102
Taxes for the APNO derivation	7.116	-	0,0028464
Interest on monies paid to Germans to avoid destruction of Station	510.624	-	0,2042496 — .204
Bank charges	159.290	-	0,0601160
Ordinary maintenance	300.600	-	0,1202400 .902
Extraordinary maintenance	560.000	-	0,2240000
Taxes and verious expenses	130.800	-	0,0523200
Insurance	280.500	-	0,1122000
Running costs Machinery	85.000	-	0,0340000
" " electric plant	25.090	-	0,0100360
Wages of the Station personnel	550.000	-	0,2200000
Vehicles and transports	320.000	-	0,1280000
Office and clerks	250.000	-	0,1000000
Administration expenses	70.000	-	0,0280000 1.004
Miscellaneous expenses	25.000	-	0,0100000
Total lire	5.011.870	-	2,0047480

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

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

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P.W. & U. S/C A.C.
JUN 1945 158

HEADQUARTERS ALLIED COMMISSION
APO 394
LEGAL SUB-COMMISSION

WEB/lc.
1.June 1945.

AC/4014/6/L.

SUBJECT : Electricity Supply.

TO : A/Director, P.W. & U. S/C.

1. There is returned herewith your 158/PWU. of 28 May 45. and enclosure.

2. It is to be observed that the question raised depends solely upon Italian municipal law. Whatever its ultimate implications, the problem is one of the rights of consumers against the electrical companies under their various contracts and in the light of Italian legislation. It is no concern whatever of the Allied Commission.

3. I have consulted my Italian legal advisors who advise me that they do not agree that the changeover envisaged in your letter is brought about by war conditions. Indeed it is quite clear that it is not, since you yourselves say that it will "considerably improve the reliability of the service and make more power available". There is no suggestion that the companies would not continue to operate without the changeover.

4. I am further advised that it is impossible to answer the question you ask without an examination of the various forms of contract between the companies and their consumers. If, however, upon the true construction of those contracts in the light of existing Italian law the companies will be liable to the consumers for expenses caused by the changeover, it cannot be argued that those contracts are over-ridden by war conditions.

5. It is of course possible for the Italian Government to take care of the position by further legislation.

W. E. BEHRENS,
Colonel,
Deputy Chief Legal Advisor.

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Incls : 158/PWU. of 28 May 45. and enclosure.

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

Tele.320 HEADQUARTERS ALLIED COMMISSION WML/ce

Inter Office Memo.

REFERENCE: 156/PWU. 28 May 45.
SUBJECT : Electricity Supply.
TO : Director, Legal Sub-Commission.
FROM : A/Director, P.W. & U. S/C.

1. Attached is a memorandum which Lt.Col. Lapper of the Electrical Division of this Sub-Commission has drawn up in connection with the standardization of frequency for Central and Southern Italy.

2. The Italian Government already have a decree in which it is stated that frequency shall be standardized by 1952. The present conditions, however, brought about by the war seem to be an opportune moment for this to be carried out for Central and Southern Italy.

3. By August of this year it will be possible to receive a large amount of power from North Italy at 50 cyclesfrequency,and in order to distribute this throughout the grid system of Central and Southern Italy, it will considerably improve the reliability of the service and make more power available if the Central and Southern Italy electrical system is raised from 45 to 50 cycles.

4. While the electrical companies and the Ministry of Public Work agree to this procedure, they are a little concerned regarding claims which may be made by consumers for costs incurred in the changing over of certain electrical motors or equipment brought about by the change in frequency. It is our contention that this change is brought about by war conditions and, therefore, the companies cannot be held responsible.

5. It is desired to know whether the Legal Department of the Italian Government and Allied Commission could agree to this contention and whether a note could be sent to the electrical companies indicating this view.

E.J. RISTEEN,
Colonel, C.E.,
A/Director.

903

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

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

WML/ac

Electrical Division

MEMORANDUM ON THE STANDARDISATION OF FREQUENCY
FOR CENTRAL AND SOUTHERN ITALY

1) - With reference to the electrical power situation in South, Central and North Italy, it is now known that surplus power is available in North Italy over and above their needs after the restoration of industry to normal operation.

2) - Arrangements have been made for 100,000 Kilowatts of electric power to be transmitted from North Italy to Central Italy as and when the transmission facilities become available. It is hoped that some of this power may be taken by Central Italy at the end of July and that sufficient transmission capacity will be available for the full 100,000 Kilowatts to be taken by the end of August.

3) - It is further proposed that 20,000 Kilowatts of power will be transmitted from Central to Southern Italy through the Terni-Pescara line which will be repaired by the end of August.

4) - The question of frequency of supply is an important matter at this stage and as the incoming supply from the North will be at 50 cycles it is necessary that the electrical system receiving this supply shall operate at the same frequency. If different frequencies are allowed to exist the systems will have to operate as isolated areas and a loss in capacity and reliability will take place.

5) - On an interconnected grid system advantage is taken of diversity of load and reduction in spare capacity to meet emergency, and by this means an increase in generating facilities is made available together with a greatly increased reliability of supply.

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

6) - The frequency of supply in Central Italy was mainly 50 cycles although there was a large area around Rome operating at 45 cycles.

In order to gain the benefit of an interconnected grid system, arrengements were made for the whole of Central Italy to be interconnected and to operate under a Master Control Centre.

A frequency of 45 cycles was chosen because at that time plans were being developed to send power to Bologna which was in a 42 cycle area, the change from 42 cycles to 45 cycles being easily accomplished.

7) - In view of the changed conditions whereby power is to be brought in from the North at 50 cycles, it is desired now to change over the whole of Central Italy to 50 cycles. Further more as Southern Italy is also operating at 45 cycles this will be bought into line so that a standard of 50 cycles will then obtain for the whole of that portion of Italy South of Bologna.

8) - This matter was put before the Advisory Committee on Electric Power (Central Italy) at their meeting held on 25th May 1945. At this meeting Mng. Masturzo of the Societa Meridionale di Elettricita the parent company operating in South Italy attended.

9) - The Committee agreed that it was most desirable that the frequency change shall take place and stressed the importance of this being done at the present time while the demand is below normal and before further factories are put into operation.

The Committee however considered that any costs which consumers may have to incur should not be claimed against the power companies.

10) - It is anticipated that there will be some factories where speed of drive of machinery is critical and changes in pulley or gear size may have to be made. In some cases new electric motors may have to be installed. Production generally will be increased since the change in frequency will mean a 11% increase in the speed of electric motors. Only rotating electrical plant will be affected by the change.

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

11) - Italy is anxious to effect this standardisation of frequency and bring her country in line with the European Standard. Attempts have already been made but the electrical companies have not been very cooperative. There is still a decree calling upon all companies to change to 50 cycles by the year 1952 but any boom in factory production may make it difficult for this to be done, and in fact there is no guarantee that it will be carried out by that date.

12) - The benefits to be obtained by having a standard frequency of 50 cycles are as follows :

(a) - 50 cycles is a European standard.

(b) - Italy will be free to buy the standard electrical plant and equipment at a cheaper cost than at present.

(c) - Large saving in generating costs in Italy by operating an interconnected electrical system.

(d) - Frequency changers, a costly and wasteful machine will not be required.

13) - As an increase in frequency will also mean an increase in demand for power it is necessary that additional power facilities be arranged before any change is made. The following programme is therefore recommended :

15th July 1945 - The third 35,000 KW unit will come into operation at Terni and will provide the extra power required to effect a change in frequency. The frequency in Central Italy to be raised from 45 cycles to 47 cycles.

31st July 1945 - Subject to satisfactory operation at 47 cycles the frequency in Central Italy to be raised from 47 cycles to 50 cycles. If this change causes some factories to cease work owing to difficulty in machinery drive, the Inspector General of Electricity, Water and Gas of the Ministry of Public Works will decide whether the factories shall cease work until the necessary adjustments have been made or whether they can be kept in operation while the alterations are being prepared. This will be done either by isolating plant on separate frequencies or reducing the system frequency.

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

(1st September to 1st October 1945 - It is understood that at this date Southern Italy will have made the necessary adjustments so that their frequency can be raised to 50 cycles and interconnection made with Central Italy. It will be desired to effect this in two stages as outlined above. The additional load taken up by Southern Italy due to the increase in frequency will be supplied from Central Italy and power may have to be curtailed in the South during the transitional stages.

14) - The change of frequency in Central Italy to 45 cycles was a condition brought about by the war, and the electrical companies could not avoid having to make the change which was advised by Allied Commission.

Again Allied Commission are advising that in order to transmit a large block of power from North Italy to Central and Southern Italy the frequency of Central and Southern Italy should be raised to 50 cycles to meet this contingency.

15) - Since the change in frequency is being forced upon the electrical companies due to conditions brought about by the war, and bearing in mind that a standard frequency will allow of an interconnected grid system with the resultant increase in power available for the activation of additional factories, it is considered that consumers should have no claim upon the electrical companies for any costs which they may incur in making adjustments to plant to suit the changed frequency conditions.

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

Rome, 29 May 1945

899

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

Tel.489081
Ext.317

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

WML/ce

30 May 45.

158/PWU.

SUBJECT: Price of Electricity.

TO : 84 CRE (Works).

1. Ref. your letter CRE/27/14 dated 24 May 45.

2. It is noted that small hydro-station owners in Arezzo area have some complaint in regard to cost of electricity from SMLT VALDARNO.

3. Would you be good enough to ask them to submit a statement to us when an examination will be made and the matter settled with the Selt Valdarno Company.

For the Chief Commissioner:

W.M. LAPPEN,
Lieut-Colonel,
Chief, Elec.Div.

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

Tel. 489081
Ext. 317

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

WML/ac

53

Reference : 158/PWU

29 May 1945

Subject : Standardisation of frequency

To : MINISTRY OF PUBLIC WORKS (Att Eng. Asta)

1. Attached is a report which is being passed to the Legal Department of Allied Commission requesting their advise regarding the claim which may be made by consumers of electricity in the event of a change being made in the electric frequency of supply in Central and Southern Italy.

2. You will be further advised when a reply has been received from the Legal Department.

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

1 enclosure

897

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

Title 158 D

52

(2)

58 Refs

RAFA

6593 27 MAY 85 PRIORITY

GOAS LIGHT SAL FD

SUBJECT IS RANGE LIGHT BEAMS FOR CAPTURING "D" BEAMS FD . REF EIGHT SEVEN FOUR ONE EIGHT FD

PARA TO RAFA FIELD ALPHA ONE ARMY PARA

PARA ONE ID FACILITIES BEING INSTALLED TO PERMIT TRANSMISSION OF ONE HUNDRED THOUSAND KILOWATTS FROM NORTH ITALY FOR USE IN CENTRAL AND SOUTHERN ITALY BY THIRTY FIRST AUGUST FD

PARA TWO ID ENGINEERING OF POWER FLOW IN CENTRAL ITALY WILL GIVE TWENTY THOUSAND KILOWATTS TRANSFER TO SOUTHERN ITALY FD

PARA THREE ID PRESENT RANGE LOAD IN SOUTHERN ITALY ONE HUNDRED AND SEVENTY THOUSAND KILOWATTS WITH ADDITIONAL THIRTY THOUSAND KILOWATTS TOTAL ONE HUNDRED AND NINETY THOUSAND BY THIS DATE THERE WILL BE SIXTY EIGHT PERCENT OF NORMAL DEMAND FD

PARA FIVE ID TOTAL POWER AVAILABLE IN CENTRAL ITALY AT THIRTY FIRST AUGUST WILL BE TWO HUNDRED THOUSAND KILOWATTS LESS EIGHTY THOUSAND KILOWATTS FROM NORTH ITALY. TOTAL TWO HUNDRED AND EIGHTYTHOUSAND KILOWATTS THIS WILL BE FIFTY PERCENT OF NORMAL DEMAND FD

896

PUBLIC WORKS

317

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

WARM.

8593 27 MAY 45 PRIORITY

PARA FIVE FD ADDITIONAL FOUR ENGINES AVAILABLE FROM THIRTY DOT ABOUT TO THIRTY FIRST JANUARY EIGHTEEN FORTY SIX BY REPAIRED PLANT IN SOUTHERN ITALY THIRTY THOUSAND KILOWATTS AND BY REPAIRED PLANT IN CENTRAL ITALY FORTY THOUSAND KILOWATTS FD

PARA SIX FX FD BY THIRTY FIRST JANUARY EIGHTEEN FORTY SIX SOUTHERN ITALY WILL HAVE TWO HUNDRED AND TWENTY THOUSAND KILOWATTS AVAILABLE FOR USE OR SEVENTY SEVEN PERCENT OF NORMAL DEMAND FD

PARA SEVEN FD BY THIRTY FIRST JANUARY EIGHTEEN FORTY-SIX CENTRAL ITALY WILL HAVE THREE HUNDRED AND TWENTY THOUSAND KILOWATTS AVAILABLE FOR USE OR FIFTY SEVEN PERCENT OF NORMAL DEMAND

PUBLIC WORKS

27

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

fwu

INCOMING MESSAGE

Reg: 50

HEADQUARTERS ALLIED COMMISSION

Originator's Reference: 87418
Date/Time of Origin: MAY 242212
Message Centre No: E/2265
Date Time Rec'd: MAY 251010
Precedence: ROUTINE

RECEIVED
P.W. & U. S/C A.C.
25 MAY 1945 158

FROM: WARX
TO : HQ Fleurt

(2)

CONFIDENTIAL

CONFIDENTIAL.

Electric power for central ITALY this is Com 98.

In regard to requisitions for category "B" items, require soonest revised estimate of power available during next 6 months period for central part of ITALY. Submit following information as soon as possible: availability date and amount of electric power on hand in northern ITALY which can be transmitted to central ITALY; ability of booster stations and electric lines in north of ITALY to carry load contemplated above; if not in condition, indicate date expected to be able to carry load; southernmost point to which it is planned to distribute power. Indicate also total power capacity in central ITALY with addition of this amount, in terms of percentage of pre-war capacity.

ACTION

Distribution

Action: REQ Br 5
Info A/President
Chief Commissioner
Econ Sec
File 2
Float

894

Reqn. Br. Dist.

ACTION: Public Works & U tilities S/C-2 ✓
INFO: Econ. Sec. 1
FILES: RB-2

HEADQUARTERS
25 MAY 945

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24 MAY 1945 158

25 MAG. 1945

49

MINISTERO INDUSTRIA COMMERCIO E LAVORO
Direzione Generale Industria e Miniere
Divisione VI

Uff. 1823

AC. PUBLIC WORKS & UTILITIES S/C.
Electrical division
R O M A

OGGETTO - Centrale termoelettrica Ilva - Piombino -

Il Sig. Col. Cooly della Commissione Alleata - Energia elettrica in Livorno ha richiesto alla Direzione dello Stabilimento Ilva di Piombino la riattivazione di quella sua centrale termoelettrica onde immettere energia sulla rete nazionale fino a che non andranno in funzione quegli impianti siderurgici, per il funzionamento dei quali la Centrale è stata ricostruita.

La produzione termica di energia elettrica comporta, come è noto, una spesa per kwh. già per se stessa molto alta e verrebbe ad attingere livelli tali da non potersi giustificare industrialmente, qualora quella Centrale dovesse servire non per gli impianti siderurgici ma come centrale elettrica ausiliaria, come per altro è stato sperimentato a proposito dell'esercizio delle Centrale elettrica a vapore della Cisa Viscosa di Rieti.

A parte il fatto che l'esercizio della centrale di cui si tratta è subordinato all'arrivo del carbone, o della lignite, 893 bene alla Società Ilva che sia chiarito e precisato intanto come e da chi verrebbero rimborsate le spese, alle quali essa andrebbe incontro per immettere l'energia elettrica, prodotta nelle suindicate e deprecate condizioni di esercizio, nella rete nazionale.

Si rimane in attesa delle opportune notizie.

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

Oggetto - Centrale termoelettrica Ilva - Piombino -

Il Sig. Col. Cooly della Commissione Alleata - Energia elettrica in Livorno ha richiesto alla Direzione dello Stabilimento Ilva di Piombino la riattivazione di quella sua centrale termoelettrica onde immettere energia sulla rete nazionale fino a che non andranno in funzione quegli impianti siderurgici, per il funzionamento dei quali la Centrale è stata ricostruita.

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A parte il fatto che l'esercizio della centrale di cui si tratta è subordinato all'arrivo del carbone, o della lignite, occorre alla Società Ilva che sia chiarito e precisato intanto come e da chi verrebbero rimborsate le spese, alle quali essa andrebbe incontro per immettere l'energia elettrica, prodotta nelle suindicate e deprecate condizioni di esercizio, nella rete nazionale.

893

Si rimane in attesa delle opportune notizie.

IL CAPO DIVISIONE
(Ing. C. Pavia)

Pa./To

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

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

Prot. N. 3049 div.Gab.

RISPOSTA

RECEIVED
P.W. & U. S/C A.C.
158
Addì 18 maggio 1945

P. 12

4 6

a _____

R. PREFETTURA DI TERNI

Foglio di trasmissione PUBBLIC WORKS AND UTILITIES

Sub- Commission(Att.Col.Lapper)-
COMMISSIONE ALLEATA = ROMA = Via Veneto

ALLEGATI		Scopo dell'invio
Numero	DESCRIZIONE	
1	Decreto pari numero e data, con il quale viene costituita la Commissione provinciale per la disciplina ed il controllo sulla distribuzione ed utilizzazione dell'energia elettrica;	

....che si trasmette per conoscenza.

B/L

IL PREFETTO

892

46A

IL PREFETTO ~~REGGENTE~~ DELLA PROVINCIA DI TERNI

Prot.n/ 3043 div.Gab.

V I S T O il R.D.L. 5/4/1944 n.55 contenente le norme per la limitazione del consumo della energia elettrica;

V I S T O l'articolo 8 di detto Decreto nel quale è previsto la istituzione di una Commissione Provinciale per la disciplina ed il controllo sulla distribuzione ed utilizzazione della energia elettrica;

V I S T E le designazioni degli Enti e degli Uffici competenti:

D E C R E T A

La Commissione provinciale per la disciplina ed il controllo sulla distribuzione ed utilizzazione della energia elettrica è così costituita:

Dr.Dario Sarro - Consigliere di Prefettura - ff.Vice Prefetto Vicario - Presidente
Dr.Aurelio Pretangelo-Direttore della Camera di Commercio-V.Presidente
Dr.Ing.Guglielmo Adorni,Funzionario dell'Ufficio del Genio Civile-Componente
Dr.Ing.Carlo Seganti-Vice Direttore Serv.Elettr.Soc."Terni"componente
Dr.Ing.Mario Collicci-Direttore Soc.UMES Perugia-componente
Comm.Adolfo Bocco-Presidente Ass.Industr.Prov.di Terni-componente

Faranno parte della commissione in qualità di esperti tecnici aggregati i sigg.

Dr.Ing.Mario Segre - presso Camera di Commercio
Sig.Nicola Bernardi - Capo Servizio Soc.Interamna

Le Camera di Commercio,Industria ed Agricoltura è incaricata della esecuzione del presente decreto, ed è autorizzata a riscuotere per i permessi rilasciati un diritto d'ufficio con le modalità e nella misura che verranno stabilite dalla Commissione stessa.-

Terni,18 maggio 1945

IL PREFETTO
P° Gorlo

R.C.C.

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

V I S T O il R.D.L. 3/4/1944 n.85 contenente le norme per la limitazione del consumo della energia elettrica;

V I S T O l'articolo 8 di detto Decreto nel quale è prevista la istituzione di una Commissione Provinciale per la disciplina ed il controllo sulla distribuzione ed utilizzazione della energia elettrica;

V I S T E le designazioni degli Enti e degli Uffici competenti:

D E C R E T A

La Commissione provinciale per la disciplina ed il controllo sulla distribuzione ed utilizzazione della energia elettrica è così costituita:

Dr.Ennio Sarro - Consigliere di Prefettura - ff.Vice Prefetto Vicario - Presidente
Dr.Aurelio Pretongelo-Direttore della Camera di Commercio-V.Presidente
Dr.Ing.Guglielmo Aderni,funzionario dell'Ufficio del Genio Civile-Componente
Dr.Ing.Carlo Segnati-Vice Direttore Serv.Elettr.Soc."Terni"componente
Dr.Ing.Mario Colizzi-Direttore Soc.UMES Perugia-componente
Comm.Adolfo Bosco-Presidente Ass.Industr.Prov.di Terni-componente

Faranno parte della commissione in qualità di esperti tecnici aggregati i sigg.

Dr.Ing.Mario Segre - presso Camera di Commercio
Sig.Nicola Serantoli - Capo Servizio Soc.Interamna

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Terni,18 maggio 1945

IL PREFETTO
F° Carlo

P.C.C.
IL CAPO DI GABINETTO

B/L

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

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

22/5 (transportation?)

Called Capt. Worley and acquainted him with the fact that a barrack of some kind would have to be maintained. Also that Genl. Civic for Tiber River Plan not to remove a portion of the bank on the north side of the Right bank as per plan to the Right bank pump site. Capt. Worley states the barges are up & wide. He will contact Genl. Civic to discuss the plans for the work.

A.H. Kruger.

See folio 87, (2nd part)

89

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

1 -

2 - Dir. Eng. Prod. & Sto...
3 - Dir. Eng. Prod. & Stores, AFHQ ADV e...
4 - D.M. - AFHQ
5/8 - O.I.T., G-2 AFHQ (Att. Maj. Corvin)
9 - C.E. - District 1.
10 - C.E. - District 2.
11 - C.E. - District 3.
12 - C.E. - 15th Army Group.
13 - Eng. Fenbase.
14 - Flag Officer - R.N. Western Italy.
15 - D.M.W.S. (Italy) - Tran. Incr. ChF.
16 - C.R.E. - RAAC.
17/18 - A.C. - Economic Section.
19 - A.C. - Economic Section (Att. Col. L.A. Jenny).
20 - A.C. - Agriculture S/C.
21 - A.C. - Commerce S/C.
22 - A.C. - Finance S/C.
23 - A.C. - Food S/C.
24 - A.C. - Industry S/C.
25 - A.C. - Labour S/C.
26 - A.C. - Navy S/C.
27 - A.C. - Shipping S/C.
28 - A.C. - Transportation S/C.
29 - A.C. - Mines Division - Industry S/C.
30 - A.C. - Priority & Movements Section.
31 - A.C. - Requisition Section.
32 - A.C. - Supply & Resources Section.
33/34 - AFHQ, RAAC - ChF.
35 - Commissioner Naples Comune.
36/37 - Regional Commissioner Toscana Region.
38 - (Att. Reg. Engineer) Emilia Region.
39 - Liguria Region.
40 - Piemonte Region.
41 - Lombardia Region.
42 - Venezia Region.
43 - File.

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

from Eng Aste (at 14.30 on Thursday 17th)

The matter of removing the embankment on the Tiber is still being discussed by Romana and Genio Civile. An agreement was reached as to the technical role of this problem; it seems that a partial removal will make it possible the navigation on the river permitting at the same time the operation of water pumps for S. Paolo steam plant. 40' in wide

No agreement as so far been reached as to whom will be charged of this work (Romana Co or Genio Civile).

talked to Asta Vesintini
Eng. Tus - 2 is to be back Thi week and will be the matter will be discussed.
Letter

88

cft Worley 394
489081

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

Maj Laughlin,

This is the previous correspondence between Romana Co. and Genio Civile as to the removal of the embankment on the Tiber.

These letters were sent by Romana to attention of Col Luffer who gave them back to me.

Lewis

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

6-1

Ministero delle Corporazioni

IL MINISTRO

888

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

Società Romana di Elettricità

Per azioni - Sede in Roma - C.C.C. Roma N.° 2217
capitale sociale L. 478.500.000 versato

Roma (6) li
VIA POLI, 14

30 aprile 1945

Es. 1° 783/244

Public Works Utilities
Sub Commission
Via Veneto
ROMA

Il Ministero dei LL.PP. ci scrive le lettere che vi alle=ghiamo in copia, come pure vi alleghiamo copia delle n/ risposte.

Vi saremmo grati se vorrete direttamente far presente al Ministero di c.s. come la demolizione dello sbarramento possa esse re nociva all'eventuale funzionamento della Centrale Termoelettri=ca di S. Paolo e che comunque il lavoro non è di n/ competenza.

Z.SL.

SOCIETÀ ROMANA DI ELETTRICITÀ
DIREZIONE GENERALE
887

The Ministry of Public Works has written us the letters of which we enclose a copy,together with copies of our answers to them.

We shall be very grateful if you would directly point out to a/m Ministry that the dismantling of the barrage might be prejudicial for the eventual operation of the steam-electrical Station at S. Paolo and that anyhow this work is not within the limits of our authority.

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

SOCIETA' ROMANA DI ELETTRICITA'

Roma, April 28th 1945
Es. 783/243

COPY

To the Ministry of Public Works
Corpo Reale Genio Civile
Uff.speciale per il Tevere e l'Agro Romano
Via Nazzanano

R O M A

Subject: Navigation on the River Tiber

Referring to Note No. 2807 on 24th last from this Office, we cannot but confirm what has already been written, that is, that the works of removing the barrage, which has been effectuated in due time by Allied Commission, are not within the limits of our competence.

Therefore it is impossible for us to accept this charge, ever the more so that we foresee serious incovenients to the working of the steam Station whenever a/m barrage were to be removed, so that we are not in a position to take any responsibility about this matter.

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

SOC. ROMANA DI ELETTRICITA'

Roma, 23 aprile 1945

Es. 783/243

C O P I A

On.le MINISTERO DEI LL.PP.
Corpo Reale Genio Civile
Uff. speciale per il Tevere e l'Agro Romano
Via Rozambano
R O M A

Navigazione fiume Tevere

Con riferimento alla Nota n. 2807 del 24 corr. di codesto Ufficio, non possiamo esimerci dal confermare quanto già scritto e cioè non essere i lavori di rimozione dello sbarramento, a suo tempo effettuati dalla Commissione Alleata, di n/ competenza.

Di conseguenza non ci è possibile assumere tale incarico tanto più che prevediamo gravi inconvenienti per il funzionamento della Centrale terr mica ove lo sbarramento in oggetto venisse rimosso, il che ci vieta di assumere responsabilità in proposito.

885

LD.SB.

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

COPIA

Ministero dei LL. PP.

CORPO REALE DEL GENIO CIVILE

uff. spec. p.il Tevere e
l'Agro Romano

Roma, 24 aprile 1945

Alla Soc. Romana di Elettricità

Via Poli 14

ROMA

n° 2807

Oggetto : navigazione Fiume Tevere

In riscontro alla nota 783/222 del 14/4 u.s. di codesta Società, si conferma il contenuto della nota 2557 del 12/4 di questo ufficio.

Per quanto poi si riferisce all'ultimo capoverso della nota 783/130 del 6 aprile u.s. invito codesta Società a voler dare immediatamente corso ai lavori di rimozione dello sbarramento effettuato nell'alveo del Tevere, salvo a definire a suo tempo, a carico di quel Ente dovrà gravare la spesa relativa.

Si attende cenno di assicurazione a riguardo

F;to ing. Capo
(Giulio Bellomo)

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

SOCIETA' ROMANA DI ELETTRICITA'

COPY

Ministry of Public Works
CORPO REALE DEL GENIO CIVILE
Uff. spec. per il Tevere e
l'Agro Romano

Roma, April 24th 1945

To SOCIETA' ROMANA DI ELETTRICITA'
Via Poli 14
R O M A

No. 2907

Subject: Navigation of the River Tiber

Answering to note 783/422 on 14th April last of this Company, we confirm the content of Note 2557 on 12th april last of our Office.

Referring to the last period of note 783/180 on April 6th last we beg this Company to begin immediately the work of removal of the barrage effectuated in the river-bed of the Tiber, reserving for later on the definition of what enterprise will have to take to itself the expenses relating to it.

We are waiting for a sign of assurance about this matter.

Signed :Chied Engineer
(Giulio Bellomo)

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

SOCIETA' ROMANA DI ELETTRICITA'

- - - - - -

Roma, 14 aprile 1945

C O P I A

AL CORPO REALE DEL GENIO CIVILE
UFFICIO SPECIALE
PER IL TEVERE E L'AGRO ROMANO
Via Mozambano

R O M A

Es. 783/222

NAVIGAZIONE FIUME TEVERE

Con riferimento alla nota n. 2557 del 12 corr. relativa alla rimozione dello sbarramento sul Tevere in corrispondenza della Centrale termoelettrica S. Paolo, facciamo presente che abbiamo già risposto con nostra lettera n. Es. 783/180 del 6 aprile u.s. alla nota n. 2011 del 24 marzo u.s. di co= desto Ufficio.

Nell'eventualità di qualche smarrimento ci pregiamo allegare copia della suddetta nostra lettera.

N; 1 allegato

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

SOCIETA' ROMANA DI ELETTRICITA'

COPY

Roma, April 14th 1945
Es. 783/222

To CORPO REALE DEL GENIO CIVILE
Uff. Speciale per il Tevere e
l'Agro Romano
Via Mozambano ROMA

Subject; Navigation on the River Tiber

Referring to our note N°.2557 on the 12th last relating to the removal of the barrage on the Tiber corresponding to the steam-electrical Sation of S.Paolo, we point out that we have already answered with a letter Es. 783/180 on April 6th last to the note N°.2011 on March 24th from this Office.

We enclose a copy of a/m letter for the case of some miscurriage.

1 enclosure

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

COPIA

MINISTERO DEI LL.PP.

Corpo Reale del Genio Civile
Uff. Spec. per il Tevere e
l'Agro Romano

n. 2557

Roma, I2 aprile 1945

Alla Società Romana di Elettricità

Via Poli I4 - Roma

e p.c. all'Ispett. Gener. p.il Tevere

Oggetto : Navigazione fiume Tevere

Con riferimento alla mia raccomandata del 24 marzo u.s. n° 2011, tutt'ora inevasa interesso codesta Società a dare inizio subito ai lavori di rimozione dello sbarramento sul Tevere in corrispondenza della Centrale termoelettrica di S. Paolo, giacchè mi viene sollecitato da Enti e Ditte interessate nonchè dalla Commissione Alleata, l'immediato integrale ripristino della navigabilità del fiume.

I lavori di rimozione, come è stato disposto nel sopraluogo del 3I marzo u.s., debbono essere eseguiti procedendo dalla parte centrale del fiume verso la sponda destra, in modo da costituire subito un sicuro passaggio ai natanti.

Avverto che la soppressione dello sbarramento non pregiudica il problema del funzionamento delle pompe durante il periodo di magra, in quanto sono allo studio da parte del competente ufficio tecnico del Ministero dei LL.PP., i provvedimenti da adottare per assicurare il funzionamento stesso.

887

L'Ing. Capo Giulio Bellomo

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

COPY

SOCIETA', ROMANA DI ELETTRICITA'

MINISTRY OF PUBLIC WORKS
Corpo Reale del Genio Civile
Uff. spec. per il Tevere e
l'Agro Romano
Nº. 2557

Roma, April 12th 1945

To SOCIETA' ROMANA DI ELETTRICITA'
Via Poli 14
ROMA

To the attention of Ispettore Generale per il Tevere

Subject: Navigation on the River Tiber

Referring to my registered letter on March 24th last Nº.2011 which has not yet received an answer, I request this Company to begin directly the work of removing the barrage on the Tiber corresponding to the steam-electrical Station of S. Paolo, as I am asked by enterprises and firms interested in this, as well as by Allied Commission , to restore immediately the entire navigation on the river.

The work of removal, as has been directed during the visit on the spot on March 31st last, has to be effectuated proceeding from the central part of the river going to the right bank, so as to constitute immediately a sure passage for crafts.

I point out that the suppression of the barrage does not prejudice the problem of the working of pumps during the period of low waters, as the proceedings to be adopted in order to ensure this working are being studied at the qualified technical office of the Ministry of Public Works.

Chief Engineer

Giulio Bellomo

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

SOCIETA' ROMANA DI ELETTRICITA'

Roma, 6 aprile 1945

C o p i a

Es. 783/180

On.le MINISTERO DEI LAVORI PUBBLICI
CORPO REALE DEL GENIO CIVILE
Uff. Speciale per il Tevere e L'agro Romano
Via Mozambano
R O M A

OGGETTO : navigazione fiume Tevere

E' pervenuta la Raccomandata 24 marzo n° 2011 di codesto Ufficio con la quale in relazione alla navigabilità del fiume si richiede la sollecita rimozione dello sbarramento effettuato nel Settembre u.s. nell'alveo del Tevere, allo scopo di ottenere un innalzamento del pelo dell'acqua tale da consentire il funzionamento della Centrale Termoelettrica di S. Paolo della S.R.E.

E' certamente a conoscenza di codesto Ufficio che detto sbarramento venne eseguito dalla Commissione Alleata ; e che, pertanto, la rimozione di esso potrà essere fatta solo previ accordi con detta Commissione.

Il sopraluogo effettuato alle Centrali il 31 marzo da rappresentanti del Ministero LL.PP. della Commissione e di codesto Ufficio, ha messo in evidenza alcune contrastanti condizioni di esercizio da tenere presenti per la soluzione del problema dei confronti della navigabilità del fiume e dell'esercizio delle Centrali.

Ogni provvedimento è pertanto subordinato alle determinazioni che in seguito a detto sopraluogo verranno prese dai rappresentanti degli Enti di cui sopra.

Si fa comunque presente che la rimozione o la modifica dello sbarramento determinerebbe durante il periodo di magra del fiume gli stessi inconvenienti per il funzionamento della Centrale Termica, che indussero la Commissione Alleata alla costruzione dello stesso, e cioè, in conseguenza dell'abbassamento del pelo d'acqua la impossibilità di mantenere il servizio di pompaggio della acqua di refrigerazione dei condensatori.

Pertanto indipendentemente dal fatto che i lavori e gli oneri relativi alla modifica o alla rimozione dello sbarramento in parola non potrebbero essere di n/ pertinenza, ogni disposizione in tale senso implicherebbe responsabilità che sono sin da ora declinate dalla n/ Società e per le quali sono solo giudici le superiori Autorità competenti.

880

E.S.E.

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

SOCIETA' ROMANA DI ELETTRICITA'

Roma, April 6th 1945
Es. 783/180

COPY

To the MINISTERY OF PUBLIC WORKS
CORPO REALE DEL GENIO CIVILE
Uff. speciale per il Tevere e l'Agro Romano
Via Nazzanano

R O M A

Subject: Navigation on the River Tiber

This Office has sent on arch 24th a registered letter N°. 2011 which has reached us ,and which ,referring to the navigability of the river, requested the speedy removal of the barrage effectuated within September last in the river-bed of the Tiber with the aim of abtaining an increase to the water-level so as to allow the working of S.R.E. steam-Station at S. Paolo.

This Office certainly knows that a/m barrage has been effectuated by Allied Commission and that therefore the removal of it may take place only after agreements with a/m Commission.

The visit on the spot effectuated at the Sations on March 31st by representatives of the Ministry of Public Works has brought to evidence some contrasting conditions of operation which have to be remembered on solving the problems of the navigability of the river confronted with the running of the Stations.

Therefore each measure is subordinated to the determinations which shall be taken after a/m visit by the representatives of a/m units.

We point however out that the removal or alterations to the barrage would determine during the period of low-waters of the river the same inconvenients to the operation of the Steam-Station which induced the Allied Commission to build the barrage, that is, the impossibility to maintain the service of pumping the refrigerating water for condensers consequently to the lowering of the water-level.

879

Thus, independently from the fact that the works and the expenses relating to the removal or the alteration of a/m barrage could not be put to our competence, eury measure in that sense would imply such responsibilities which the Company declines to enter into from now on, and which may only be judged by competent Authorities in charge.

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

COPIA

MINISTERO DEI LAVORI PUBBLICI
CORPO REALE DEL GENIO CIVILE

Uff. speciale per il Tevere e
l'Agro Romano

N° 2011 Roma, 24 marzo 1945

Alla Soc. Romana di Elettricità
ROMA

Alla Azienda Comunale Elettricità ed Acque
ROMA

Oggetto : navigazione fiume Tevere

URGENTISSIMA - RACCOMANDATA

S'invitano codeste Società in indirizzo, di voler compiacersi disporre che venga sollecitamente rimosso lo sbarramento effettuato nel settembre u.s. nell'alveo del fiume Tevere, allo scopo di ottenre un innalzamento del pelo d'acqua, tale da consentire il funzionamento della centrale termica di S. Paolo produttrice dell'energia elettrica per la città di Roma.

Quanto sopra vien richiesto in quanto detto sbarramento costituisce un notevole ostacolo alla navigazione dei natanti destinati al trasporto dei rifornimenti sia per il Comando Alleato, sia per la popolazione civile della zona di Roma.

Si rimane in attesa di cortese assicurazione in merito.

l'Ing. CAPO (Giulio Bellomo).

878

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

SOCIETA' ROMANA DI ELETTRICITA'

COPY

MINISTRY OF PUBLIC WORKS
CORPO REALE DEL GENIO CIVILE
Uff. speciale per il Tevere e
l'Agro Romano
No. 2011

Roma, March 24th 1945

To SOCIETA' ROMANA DI ELETTRICITA'
ROMA

To AZIENDA COMUNALE ELETTRICITA' ED ACQUE
ROMA

Subject: Navigation on the river Tiber

MOST URGENT= REGISTERED

The Companiesas addressed above are requested to speedily give directions for the removal of the barrage effectuated during September last in the river-bed of the Tiber, so as to obtain an increase in the water level sufficient to allow the operation of the S. Paolo steam-station producing electrical energy for the town of Rome.

What above mentioned is required on account of a/ m barrage constituing a serious obstacle to the navigation of floating crafts intended to convery supplies either for Allied Headquarters or for the civilian population of Rome area.

We are waiting for a kind confirmation of this matter.

Signed: Chief Engineer
Giulio Bellomo

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

al. 489041
Ext. 317

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

LWL/ac

Reference : 158/PWU

12 May 1945

Subject : Repairs to Power Plants
Azienda Speciale dei Servizi
Municipalizzati del Comune di Tolentino

To : MINISTRY OF PUBLIC WORKS (Att Eng. A.Aste)

1) Enclosed herewith are papers including form AC/1 for necessary action.

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

876

Enclosures

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

HEADQUARTERS
TOSCANA REGION
ALLIED MILITARY GOVERNMENT

file 43

(158)

11 May 1945

ADMINISTRATIVE ORDER)
:
NUMBER 12)

I, ROBERT G. KIRKWOOD, Regional Commissioner, Toscana Region, A.M.G. by virtue of the powers vested in me do hereby

O R D E R

that, as and from this date Ing.ADOLFO AMIDEI, be, and he is hereby appointed Managing Director for the SOCIETA' ANONIMA LARDARELLO to do and perform ant and all lawful acts as is or may be required of him in the capacity in which he is appointed and as fixed and established by authority of AlliedMMilitary Government for such office.

2. This appointment is temporary, and for the duration of occupation. As long as he continues in office as such temporary appointee during the period of occupation, he may be paid the salary commensurate with the office he so fills.

875

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

copy "B"
original delivered
to Land to Minister
for communications
by Lt Cerrobonna Valiero
by MAJOR 12/5/45

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

11/5/75

Lt Col. Purdan

42

Please discuss this with me before 22 may Nestrue Power Com meeting. 871

AHE

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

C O N F I D E N T I A L

18th of April. The Swiss show many more items on their list than was shown on the Italian list and they have changed several of the Italian quantities, mostly upwards. That list is attached hereto as Appendix "A".

The Swiss are very anxious that every possible effort be made in Italy to begin making these exports, first because they are in need of these products and second so as to establish Italian credits in Switzerland to be used to offset Swiss

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

ENGINEERING DIVISION
HEADQUARTERS
A.M.G.
UMBRIA MARCHES REGION
C.M.F.

42

TO : P.W. & U. Sub-Commission (Att Lt. Col. Lupper)
Headquarters Allied Commission
Subject: Electrical Situation General.
Date : 4 May 1945

The Orvieto area of the UNES is supplied from Terni via 60 Kv line this also supplies power to Viterbo province & as there is only one 500 Kva 60/10 Kv transformer available this is being very badly overloaded in conversation with Ing. Colizzi UNES Perugia I am given to understand that UNES have no other 60/10 transformers available. While checking up on the use of power at a lignite mine at Gualdo Cattaneo, Foligno I find that this mine is supplied direct from Terni via a 60 Kv line tapped in just below the Cappuccini sub-station Foligno.

(The lignite mine being the same company as the power plants)

There is no control of amount of electricity used, approx 100 KW being used at present.

The 60 Kv line feeds into an outdoor sub station(private) on to a 2000 Kva 60/10 Kv transformer, this, seems rather uneconical as the UNES have a 10 Kv line to the mine, this could be used leaving the transformer free to be transfered to the Orvieto area under agreement with UNES & Terni.

Perugia with an allotment of 4400 Kws has more power than required this could be cut by at least 1000 Kws allowing Pesaro & Ancona area an extra 1000 Kws, as at present Pesaro Province only receives 130 Kws of which the army take 110 Kws.

Full street lighting was allowed in Perugia permission being given by Major Page R.E. 367 Work Sec. D.C.R.E. Perugia.

P.F.C. Stephens Capt 7/3

For the Regional Engineer
P.F.C. Stephens Capt.
Electrical Officer.

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

41

Folio 41 moved
to file 051

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

158 Q 40

Subject:- Reconstruction of High Tension Transmission Lines.

RECEIVED
P.W. & U.S/C A.C.
10 MAY 1945 158

R.

Military Railway Service
C.M.F.
Tele: Firebox 84
Tn.A.3.(E)/12-91A.
7th May 1945.

To:- Director General,
Italian State Railways,
Rome.

Copy to:- Servizion Lavori e Construzioni,
Italian State Railways, Rome.

Electric Power Sub-Commission A.C.
M.A.A.C.

The Electric Power Sub-Commission are greatly concerned regarding the delay in repairing the high tension transmission lines radiating from Lardarello and in particular the reconstruction of the line Lardarello - Ponticino.

Will you please investigate the reason for the delay in reconstruction and arrange for the completion of the work as quickly as possible.

A. C. Kubale
Major, R.E.
for Brigadier,
Director, Military Railway Service.

Folio 35 Pages
871

MINISTERO DEI LAVORI PUBBLICI

~~xxxx

Alla Soc. Gen. Elettrica della Sicilia
Via Sistina 48 - ROMA

Alla Soc. Elettrica Sarda
Via Sistina 48 - ROMA
e per conoscenza:
Headquarters A.C. Public Works
and Utilities Sub-commission -
Via Veneto - ROMA

Prot. N° Allegati
Risposta a nota del

RECEIVED
P.W. & U. SUB A.C.
7 MAY 1945 158

OGGETTO: Dati statici sulla ricostruzione degli impianti di produzione e di trasporto dell'energia elettrica.-

Vi preghiamo far pervenire a questo Ministero - Ispettorato Generale dell'Elettricità Acque e Gas - entro il giorno 5 di ogni mese le seguenti notizie riguardanti il mese precedente per la statistica di cui allo oggetto:

Centrali di produzione -

1° = Situazione dei lavori di riparazione in corso per il macchinario delle centrali segnalando per ogni macchina i seguenti dati:

a) - Se il lavoro procede secondo il programma precedentemente stabilito con l'Electrical Division della A.C.;

b) - Eventuali cause del ritardo con l'indicazione della nuova data di ultimazione prevista;

c) - Notizie riguardanti il materiale occorrente eventualmente richiesto;

d) - Macchinario di cui è completata la riparazione nel corso del mese indicandone la potenza effettivamente disponibile in seguito alla ripresa dell'esercizio.

2° = Nominativo della centrale e numero della macchina di cui si è iniziata la riparazione nel corso del mese indicando la potenza di targa della macchina stessa, la data presumibile di ultimazione ed il materiale eventualmente richiesto per la riparazione.

870

Linee di trasmissione- (limitatamente a quelle con tensione di esercizio superiore a 30 Kv) -

1° = Per quelle in corso di riparazione indicare:

Translation attd

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

a) - Se il lavoro procede secondo il programma stabilito con la Electrica Division della A.C.

b) - Eventuali cause del ritardo con la indicazione della nuova data di ultimazione prevista.

c) - Notizie riguardanti il materiale occorrente eventualmente richiesto.

d) - Le linee di cui si è ultimata la riparazione nel corso del mese segnandone la lunghezza totale.

2° = Notizie riguardanti le linee di cui si è iniziata la riparazione nel corso del mese:

a) - Gli estremi del tracciato della linea (da.....a....

b) - La lunghezza totale della linea.

c) - La lunghezza della parte in corso di riparazione.

d) - La data di inizio del lavoro ed il mese in cui si presume esso sarà ultimato.

e) - Materiale richiesto per la riparazione.

Gli elementi suddetti occorrono per il successivo aggiornamento della statistica predisposta dal l'Electrical Division della A.C. e che verrà ora continuata da questo Ispettorato. L'invio dovrà avere inizio con gli elementi riguardanti il mese di aprile. Tuttavia codesta Società, fino a nuova disposizione, continuerà ad inviare una copia dei dati alla A.C. come finora praticato, per conoscenza.-

L'ISPETTORE GENERALE
(Marco Visentini)
M. Visentini

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

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

158

Società Romana di Elettricità

Per azioni - Sede in Roma - C.C.C. Roma N. xxxx
capitale sociale L. 400.000.000 versato

Roma (6) li April 30th 1945
VIA POLI, 14

To
Lt. Col. W.M. LAPPER
Ing. Pietromarchi
Public Works & Utilities Sub-Commission
R O M A .

To the attention of

Referring to your letter on April 21st last I notify that I have given orders for the admission of civilian and military visitors to the Central Load Dispatcher Office, according with the recommendations contained in a/m letter.

Enclosed a copy of this order for information.

(Dr. Ing. Aldo Rovelli)
General Director

1 enclosure

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

Directions to follow for the admission of visitors to the Central Load Dispatcher Office for Electrical Energy

- - - - -

People wanting to be received at the Central Load Dispatcher office for Electrical Energy must enter exclusively from the Via Poli N°. 14 entrance.

The doorkeeper of Via Poli N°. 14 will allow to enter:

a) Allied soldiers wearing an uniform only if provided with a permit signed by Col. Lapper similar to the fac-simile enclosed in these directions;

b) Civilians, even if provided with a permit, have to get through the IV. Floor usher on duty a permit from Ing. Pietromarchi before being introduced into the office.

The usher on duty at the IV.Floor has to enterevery single visitor, civilian as well as military, into the special register made for this use,with name, time, and purpose of visit.

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

Tel.45/081
Ext. 317

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

LWL/ca

37

Reference : 153/PWU
Subject : Hydroelectric Plant Lexnoli del Trigno (Campobasso)

3 May 1945

To : MINISTRY OF PUBLIC WORKS
(Att Eng. A.Aste)

1. Since the property in question is situated in what is now Italian Government Territory the matter is herewith transmitted for necessary action.

Allied 28

W.H.LAPPER
Lieut-Colonel,
Chief Elec. Div.

867

1 enclosure

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

Copy for Col. Lapper

Given to Vice by Major Vallerio 1 May 1945.

Memorandum 156

Larderello (Pisa)
April 19th 1945

SUBJECT: Larderello Company.

TO : Regional Commissioner
Tuscana Region A.M.G.

1. - Pursuant to the instructions contained in your letter addressed to the Italian State Railway and Prince Ginori-Conti, a successful meeting was held in Rome, and the names of two individuals acceptable to both parties are herein submitted to your approval:

2. - The names are:

a) Ing. Marino DELLA TORRE
b) Ing. Adolfo AMIDEI

3. - The names of two men are submitted because the qualifications of Ing. Marino della Torre are, in my opinion, entirely unsuitable and inadequate for the position of manager of this Company. To the best of my knowledge, he is entirely inexperienced in the type of work carried on here, and is only three or four years out of college. An attempt once before to bring him to Larderello resulted in considerable confusion, and Major R.A. Bell, who was the Allied Representative of the time, immediately drove him back to Rome with orders not to return to Larderello. It is my personal opinion that he would be subject to influence of both parties, which would only result in a greater degree of confusion than before.

Suspecting the nomination of Della Torre, I personally attended the meeting to forestall the possibility of only one man being nominated and then, at a later date, having to go through the whole routine again. The nomination of Della Torre was immediately vetoed by me, and I asked the principles to nominate another man. The name of Ing. Adolfo Amidei was agreed upon. He is a man with considerable experience, both technically and commercially, and commands the respect and confidence of both factions.

856

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

4. - The following recommendation are submitted for your approval:

a) That Ing. Marino Della Torre be rejected as a candidate for Manager of this plant.

b) That Ing. Adolfo Amidei, if acceptable politically, be named as Manager.

V.F. Vallero
Major, A.C.
Officer in charge.

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

Tel. 470.906 HEADQUARTERS ALLIED COMMISSION 35 PWU/RR
APO 394
Public Works and Utilities Sub-Commission

REFERENCE : 158/PWU 2 May 1945

SUBJECT : Reconstruction of Italian State Railways Electrical Transmission Lines.

TO : Italian Ministry of Public Works (Att. Ing. A. Asta)

1. It is understood that the contracts for the following Italian State Railway electric transmission lines have not yet been awarded, although they have been under consideration for several months:

Larderello - Pontieino	120 KV line
Larderello - Cascina	120 KV line
Cascina - Rifredi	120 KV line
Anversa - Prenestina	60 KV line.

2. The completion of the first three mentioned lines will permit the output of Larderello to be transmitted to existing switching points. If neither the Larderello - Pontieino, nor the Larderello - Cascina lines are built, the completion of the present construction program at the Larderello plants will be useless since there will be no means of transmitting the increased energy from the plants. It is recommended that the importance of early completion of these lines be brought to the attention of the Ministry of Communications.

3. Completion of the Anversa - Prenestina line for 60 KV operation was at one time considered, in order to permit transmission of the Anversa plant output to Rome. It is suggested that further study be given the advisability of rebuilding this line for 60 KV use in consideration of the following:

a) Reported previous unreliability of the two Anversa - Prenestina lines, and the fact that only one line has been considered for rehabilitation.

b) The possibility of rebuilding two Anversa - Prenestina lines to make one 120 KV line.

c) The possibility of connecting Anversa to the Pescara group through Sulmona, rather than use the Anversa - Prenestina line.

Foto 40 Rg 864

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4. Inasmuch as completion of Anvarsa is expected late this fall or winter, it is recommended that early consideration be given the question of the Anversa - Prenestina line.

W.H. LAFFER
Lieut-Colonel,
Chief Electrical Div.

cc.:

Major Barry
E.D. Transmission line File.
C.E. & T. File.

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

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

R 34

RECEIVED
P.W. & U.
2 MAY 1945 158

6 Via Cerretani, Florence
Telephone nº 1153
April 30th 1945

TO: Electrical Division
Public Works & Utilities Sub-Commission
(Attent. Lt-Col. Renton)
HQs Allied Commission
A.P.O. 394

Herewith information called for:

a) Schedule of progress of repairs to generating stations Valdarno Electrical Co. as at April 30th.

b) Schedule of progress of repair to transmission lines Valdarno Electrical Co. as April 30th.

c) The general data at April 30th are similar to the March 31st Only 42 Km. of transmission lines have been repaired.

d) The civilian labour directly engaged on electrical rehabilitation work Valdarno Co. are 985.

LEGHORN grid as at April 30th:

Total Monthly output	KWH	7,760,000
Thermal Larderello Co.		6,000,000
Lima		1,200,000
Pian della Rocca (no water)		10,000
Piaggione		500,000
Ponte a Moriano		50,000
Total peak on the grid	KW	16,500
Castelnuovo Val di Cecina		11,000
Lima		1,500
Larderello old		3,500
Piaggione		700
Pian della Rocca		200
Ponte a Moriano		100

ADVANCED SECTION
SUB-COMM.
OFFICIAL
DIV.
ELECTRICAL DIVISION

A. Crowther
Major R.E.
O.I.C.

862

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

PUBLIC WORKS AND UTILITIES SUB-COMMISSION

ELECTRICAL DIVISION

REHABILITATION PROGRESS OF TRANSMISSION LINES ..April 30th..... 1945

CENTRAL ITALY

E OF LINE	Location	Voltage of Line KV	Expected Date of Completion	REMARKS (a) Progress. (b) Cause of delay. (c) Materials Required.
Livorno - Pontedera		30	Unknown	a) Completed 50% b) None c) None
Pescia - Pontedera		30	Unknown	a) Completed 70% b) Temporary suspended - No transport c) None
Empoli - Santa Croce		30	May 20th	a) Completed 40% b) None c) None
Pontedera - Santa Croce		30	May 20th	a) Completed 40% b) None c) None

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

PUBLIC WORKS AND UTILITIES SUB-COMMISSION

ELECTRICAL DIVISION

ELECTRIFICATION PROGRESS OF TRANSMISSION LINES ..April 30th..... 1945

CENTRAL ITALY

Voltage of Line KV	Expected Date of Completion	REMARKS (a) Progress. (b) Cause of delay. (c) Materials Required.
30	Unknown	a) Completed 50% b) None c) None
30	Unknown	a) Completed 70% b) Temporary suspended - No transport c) None
0	May 20th	a) Completed 40% b) None c) None
0	May 20th	a) Completed 10% b) None c) None

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

PUBLIC WORKS AND UTILITIES SUB-COMMISSION

ELECTRICAL DIVISION

REHABILITATION PROGRESS OF TRANSMISSION LINES ..April.30th..... 1945

CENTRAL ITALY

NAME OF LINE	Location	Voltage of Line KV	Expected Date of Completion	REMARKS (a) Progress. (b) Cause of delay. (c) Material
Piano della Rocca - Gallicano - Corfino.		60	May 25th	a) 6 towers to replace - 90% wires to be b) Mines to be cleared - transport to be c) None

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

PUBLIC WORKS AND UTILITIES SUB-COMMISSION

ELECTRICAL DIVISION

REHABILITATION PROGRESS OF TRANSMISSION LINES ..April 30th..... 1945

CENTRAL ITALY

Voltage of Line KV	Expected Date of Completion	REMARKS (a) Progress. (b) Cause of delay. (c) Materials Required.
60	May 25th	a) 6 towers to replace - 90% wires to be replaced b) Mines to be cleared - transport to be supplied c) None

0200

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PUBLIC WORKS AND UTILITIES SUB-COMMISSION

ELECTRICAL DIVISION

REHABILITATION PROGRESS OF ELECTRIC GENERATING PLANT ... April 30th 1945

CENTRAL ITALY

NAME OF STATION and Number of Plant	Company Location	Name plate size of Plant Under Repair KW	Expected Date of Completion	REMARKS (a) Progress. (b) Cause of delay. (c) Actio
LIMA	Valdarno	1.5 MW	May 15th	a) Up to revised schedule b) None c) None
PIANO DELLA ROCCA	Valdarno	11 M.W.	May 15th	a) Up to revised schedule b) None c) None
LEGHORN Steam Plant	Valdarno	11 M.W.	no date	a) Up to revised schedule b) lack of transport and boilers c) cement - refractory bricks
CORFINO	Valdarno	1.5 M.W.	May 25th	a) Up to revised schedule b) repairs to transmission lines c) food for workers - transport
SILLANO	Valdarno	0.4 M.W.	no date	a) transmission line not yet inst b) c) none

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

ADVANCED SECTION
PSYCHOLOGICAL WARFARE BRANCH

PUBLIC WORKS AND UTILITIES SUB-COMMISSION

ELECTRICAL DIVISION

REHABILITATION PROGRESS OF ELECTRIC GENERATING PLANT ...April..30th..... 1945

CENTRAL ITALY

...ny ...ctric	(Name) late size of Plant Under Repair KW	Expected Date of Completion	REMARKS (a) Progress. (b) Cause of delay. (c) Materials Required.
...darno	1.5 MW	May 15th	a) Up to revised schedule b) None c) None
...arno	11 M.W.	May 15th	a) Up to revised schedule b) None c) None
...arno	11 M.W.	no date	a) Up to revised schedule b) lack of transport and boilers repairs c) cement - refractory bricks
...arno	1.5 M.W.	May 25th	a) Up to revised schedule b) repairs to transmission lines c) food for workers - transport
...arno	0.4 M.W.	no date	a) transmission line not yet inspected b) c) none

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

0 33

TO : HQ.AC. Public Works and Utility Sub-Commission

FROM : HQ A.M.G. Umbria-Marche Region

P.W. & U. - C.A.C.
1 MAY 1945 158

SUBJECT : Electricity

REF : R5/5I4/8

DATE : 28 April I945

(110-2nd Part

Reference your letter I58/PWU dated 4 of April I945 on the subject of protection for Galleto power station Terni.

The attached copy of report from P.P.S.O. Terni is forwarded for your information.

HEADQUARTERS
1 MAY 1945
A. M. G.

FOR THE REGIONAL COMMISSIONER:

S. PICKERING
Lt. Colonel
R.P.S.O.

/tm

Col Lapsley Int

859

E/R 15

3-73

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RECEIVED
P.W. & U. - G.A.C.
2 MAY 1945 158

32

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

Florence, 6 Via Cerretani
Telephone nº 1153
April 28th 1945

SUBJECT: Release of electric generating plants from P.B.S. control to Allied Commission.

Ref. : A/1 CSW/ab

TO : Chief Electrical Division
Public Works & Utilities Sub-Commission
H.Q. Allied Commission
A.P.O. 394

1. - In accordance with verbal agreement the P.B.S. Electrical Engineer has released control of the following electric generating installations:

Installation	Company	Remarks
Castelnuovo Garfagnana	Valdarno	Rebuild
Corfino	"	Reassemble
Gallicano	"	Rebuild
Lima (+)	"	3rd unit only
Riofreddo	"	Rebuild
Sestaione	"	Rebuild
Sillano	"	Reassemble
Sillico	"	Reassemble
Sperando	"	Rebuild
Valpiana	S. E. M.	Rebuild
Leghorn	Valdarno	Steam plant
Le Piane	Bolognese Co.	Destroyed
Santa Maria	"	Rebuild
Pavana	FF.SS.	Destroyed
Suviana	"	Destroyed
Castelnuovo Val di Cecina	Larderello	Rebuild steam plan

858

(+) NOTE: Work on second unit will continue by P.B.S. Engineer.

Copy to: Lt-Col. Lapper (2)
Col. Cooley
Selt-Valdarno
File

Thomas Major, Major

ADVANCED SECTION P.W. & U. SUB-COMM. OFFICIAL DATE ELECTRICAL DIVISION

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

MINISTERO DEI LAVORI PUBBLICI
Ispettorato Gen.le E.A.G.

Prot. N. 443 Allegati

Roma, 29 Aprile 1945 - 31

OGGETTO

Risposta a nota del N.

Alla Società Nazionale Chimica - NAPOLI = Alla Soc.Meridionale di Elettricità - NAPOLI = Alla Soc.Romana di Elettricità - ROMA = Alla Az. Com.Elettr. Acqua - ROMA = Alla Unione Esercizi Elettrici = ROMA = Alla Soc.Terni - ROMA = Alla Soc.Selt-Valdarno = FIRENZE - FF.SS.-ROMA.
e p.c.: Headquarters A.C. Public Works and Utilities Subcommission - Via Veneto
ROMA

OGGETTO: Dati statistici sulla ricostruzione degli impianti di produzione e di trasporto dell'energia elettrica.=

Vi preghiamo far pervenire a questo Ministero, Ispettorato Generale dell'Elettricità Acque e Gas, entro il giorno 5 di ogni mese le seguenti notizie riguardanti il mese precedente per la statistica di cui in oggetto:

Centrali di produzione -

1° = Situazione dei lavori di riparazione in corso per il macchinario delle centrali segnalando per ogni macchina i seguenti dati:

a) Se il lavoro procede secondo il programma precedentemente stabilito con l'Electrical Division della A.C.

b) Eventuali cause del ritardo con la indicazione della nuova data di ultimazione prevista.

c) Notizie riguardanti il materiale occorrente eventualmente richiesto.

857 ././.

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

d) macchinario di cui è completata la riparazione nel corso del mese indicandone la potenza effettivamente disponibile in seguito alla ripresa dell'esercizio.
2° = Nominativo della centrale e numero della macchina di cui si è iniziata la riparazione nel corso del mese indicando la potenza di targa della macchina stessa, la data presumibile di ultimazione e il materiale eventualmente richiesto per la riparazione.
Linee di trasmissione (limitatamente a quelle con tensione di esercizio superiore a 30 KV) -
1° = Per quelle in corso di riparazione indicare:
a) Se il lavoro procede secondo il programma stabilito con la Electrica Division della A.C.
b) Eventuali cause del ritardo con la indicazione della nuova data di ultimazione prevista.
c) Notizie riguardanti il materiale occorrente eventualmente richiesto.
d) Le linee di cui si è ultimata la riparazione nel corso del mese segnandone la lunghezze totale.
2° = Notizie riguardanti le linee di cui si è iniziata la riparazione nel corso del mese:
a) Gli estremi del tracciato della linea (da..... a .....).
b) La lunghezza totale della linea.
c) La lunghezza della parte in corso di riparazione.
d) La data di inizio del lavoro e il mese in cui si presume esso sarà ultimato.
e) Materiale richiesto per la riparazione.

Gli elementi suddetti occorrono per il successivo aggiornamento della statistica predisposta dall'Electrical Division della A.C. e che verrà ora continuata da questo Ispettorato. L'invio dovrà avere inizio con

./.

AJ

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

MINISTERO DEI LAVORI PUBBLICI

Roma, ... 194... A...

Al ...

Prot. N. ... Allegati ... Risposta a nota del ... N. ...

OGGETTO ...

Gli elementi riguardanti il mese di aprile. Tuttavia codesta Società, fino a nuova disposizione, continuerà ad inviare una copia dei dati alla A.C. come finora praticato, per conoscenza.

Riteniamo opportuno inviare uno stralcio della statistica suddetta riguardante codesto Ente per facilitare il compito richiesto.

L'ISPETTORE GENERALE
(Marco Visentini)

M. Visentini

File 30

Tel.489061 HEADQUARTERS ALLIED COMMISSION W.I/he
Ext. 317 ATO 394
Public Works and Utilities Sub-Commission

Reference : 156/E/U 28 April 1945

Subject - Monthly electrical report - March

To : Distribution List below

1. Please be good enough to make the following correction in the Electrical Report for the month of March 1945 sent with our letter 15 April 1945:

Page 6 - Pescara 4 expected dated of completion to read January 1945 instead of January 1945.

For the Chief Commissioner

W.H.L. [illegible]
Lieut-Colonel,
Chief Elec. Div.

Distribution

C.B. - AFHQ
~~A.F.H.Q. Eng. Prod. & Stores, AFHQ~~
~~D.1.~~ - District 1
~~D.2.~~ - District 2
~~D.3.~~ - District 3
~~Pescara~~
~~Area Off. - R.N. Western Italy~~
~~U.S.S.A.S. (Italy)~~
C.R.E. - RAAC
~~E.C.~~ - Economic Section
~~A.C.~~ - Agriculture S/C
~~A.C.~~ - Commerce A/C
~~A.C.~~ - Finance S/C
~~A.C.~~ - Food S/C
~~I.C.~~ - Industry S/C
~~T.C.~~ - Transportation S/C
~~P.W.~~ - Public Works & Util. S/C
~~M.D.~~ - Mines Division
~~P.M.~~ - Priority & Movements Sec.
~~R.S.~~ - Requisition Section
~~S.R.~~ - Supply & Resources Section
~~Elec.~~ Elec. Power Com. AFHQ(I)3,
RAAC - CMF

~~Commissioner~~ Naples Comune
Regional Commissioner ~~Liguria~~-Marche ~~RCG~~
(Att Reg. Engineer) ~~Piedmont~~ Region
~~Emilia~~ Region
~~Liguria~~ Region
Piemonte Region

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

1. Please be good enough to make the following correction in the Electrical Report for the month of March 1945 sent with our letter 13 April 1945:

Page 6 - Pescara 4 expectes dated of completion to read January 1946 instead of January 1945.

For the Chief Commissioner

W.M.LAMBERT
Lieut-Colonel,
Chief Elec. Div.

Distribution

~~C.C.~~ - AFHQ
~~D.T.Mag.Prod. & Stores~~, AFHQ
~~No. 1~~ - District 1
~~No. 2~~ - District 2
~~No. 3~~ - District 3
~~Z.~~ - Zonbase
~~Mil. Off.~~ - R.N. Western Italy
~~C.M.R.S.~~ (Italy)
~~C.R.E.~~ - RAAC
~~Econ.C.~~ - Economic Section
~~Agric.C.~~ - Agriculture S/C
~~Com.C.~~ - Commerce A/C
~~Fin.C.~~ - Finance S/C
~~Food C.~~ - Food S/C
~~Ind.C.~~ - Industry S/C
~~Lab.C.~~ - Labour S/C
~~Nav.C.~~ - Navy S/C
~~Ship.C.~~ - Shipping S/C
~~Trans.C.~~ - Transportation S/C
~~P.W.C.~~ - Public Works & Util. S/C
~~Mines~~ - Mines Division
~~Pri.Mov.~~ - Priority & Movements Sec.
~~Req.~~ - Requisition Section
~~Sup.Res.~~ - Supply & Resources Section
~~Elec.~~ Elec. Power Sec. AFHQ(I)B,
RAAC - G.E.

~~Commissioner~~ Naples Comm.
Regional Commissioner ~~Abruzzi~~-Marche Reg.
(Att Reg. Engineer) ~~Campania~~ Region
~~Puglia~~ Region
~~Liguria~~ Region
~~Piemonte~~ Region
~~Lombardia~~ Region
~~Emilia~~ Region

855

~~A.F.H.Q.~~ - AFHQ
C.E. - 15th Army Group
~~G.T.T.~~ - G-3 AFHQ CMF (Att.Maj. Carvin)

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

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

nr. 162

Rome, 25th April 1945

29

To A.C. HQ.
F.W. & U. Subcommission
Electrical Division

ROME

Subject :
Inventory of transformers
Lists of insulators
and insulating material.

I am including the translation of two letters sent to the Companies from which data on transformers and lists of insulators and insulating material were not yet received.

Ing. L. Aschieri

"Ispettorato Generale"
for Electricity Water and Gas

AS/30

Ing. L. Aschieri

854

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

Rome, 25th April 1945

C o p y

To SOC.ROMANA DI ELETTRICITA'
(Att. Eng. A.Lololo d'Oria)

" SOC. T E R N I
(Att.Prof.A.M.Angelini)

" SOC. U. N. E. S.
(Att.Eng. C.Fascetti)

Subject :

Inventory of transformers.

1. In the meetings of March and April of the Central Italy Advisory Committee Companies were recommended to send to the Ministry of I.W. the lists of their transformers showing data on capacity, ratio, number of phases, frequency, present conditions and location, technical personnel to study their most suitable utilisation.

2. At present we did not yet receive such lists from this Company.

3. It is requested that this list be sent as soon as possible, to enable an efficient rehabilitation and operating program to be established.

The Eng. A.ACITA

"Ispettorato Generale"
for Electricity Water and 85?

AA/BC

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

Rome, 25th April 1945

C o p y

To SOC.ROMANA DI ELETTRICITA'
(Att.Eng. A.Loiolo d'Orla)

" SOC. T E R N I
(Att. Prof. A.M.Angelini)

" SOC. U. N. E. B.
(Att. Eng. C.Fascetti)

" S.E.L.T. VALDARNO
(Att.Eng. Landucci)

" A. C. E. A.
(Att.Eng. A. G.Angelucci)

Subject :

Lists of Insulators
and insulating material.

1. In the meetings of March and April of the Central Italy Advisory Committee Companies were recommended to send to the Ministry of I. M. the lists of insulators and insulating materials required for rehabilitation.

2. At present we did not yet receive such lists from this Company. This will delay the coordination of insulators requirements and hamper suitable allocation of them for rehabilitation purposes.

3. It is requested that the this list be sent as soon as possible, so that any delay may be possibly avoided in future.

Eng. A.ASTA

" Ispettorato General
for Electricity Water and Gas

852

AA/EC

RECEIVED
P.W. & U.S/C.A.C.
29 APR 1945 15C

PUBLIC WORKS & UTILITIES SUB-COMMISSION

Electrical Division

Lt Renton 27

Make copies for me please. Thanks

FIELD ENGINEERS REPORT.

1) - Name of Station TAVARNUZZE Sub-station

Name of Company Selt-Valdarno

Date of visit 23rd April 1945

2) - Progress of work.

a) EMPOLI line was energized 22nd April 1945

b) 6000 KVA, 33.3 KV - 6 KV transformer has been repaired for use of 4 1500 KVA, 5 4 KV static condensers that are now being installed.

This work is expected to be completed by 10th May 1945.

c) Foundation and cooling equipment for 20,000 KVA, 120 KV to 36 KV transformer are ready. Transformer is now under oil test. Installation will be complete by 15th May 1945.

3) - Matters requiring attention.

4) - Anticipated date of completion. 851

ADVANCED SECTION
P.W. & U.S.
SUB-COMMN
OFFICIAL
DATE
A.C.
ELECTRICAL DIVISION

Dist. FLORENCE

Signed Clarence S. Wilcox
Rank Major Ord.
Field Engineer

Comments.

This substation receives power at 60 KV from TERNI (120 KV) transmission line. Power is furnished to PRATO (120 KV) transmission line at 60 KV. A 6000 KVA transformer at this substation operates

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

b) 6000 KVA, 33.3 KV - 6 KV transformer has been repaired for use of 4 1500 KVA, 5 4 KV static condensers that are now being installed.

This work is expected to be completed by 10th May 1945.

c) Foundation and cooling equipment for 20,000 KVA, 120 KV to 36 KV transformer are ready. Transformer is now under oil test. Installation will be complete by 15th May 1945.

3) - Matters requiring attention.

4) - Anticipated date of completion.

851

ADVANCED SECTION · A.M.G. SUB-COMM. OFFICIAL DATE A.C. · ELECTRICAL DIVISION

Dist. FLORENCE

Signed Clarence S. Wilcox
Rank Major Ord.
Field Engineer

Comments.

This substation receives power at 60 KV from TERNI (120 KV) transmission line. Power is furnished to PRATO (120 KV) transmission line at 60 KV. A 6000 KVA transformer at this substation operates from 60 KV to 31.5 KV. Power is furnished at 30 KV to EMPOLI over the (120 KV) transmission line. Two 30 KV lines also lead to Florence, PERETOLA substation.

NOTE - Add separate report only where necessary.

Copy to: Lt-Col. Lapper
Major Crowther
Major Wilcox
File

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

PUBLIC WORKS & UTILITIES SUB-COMMISSION

Electrical Division

FIELD ENGINEERS REPORT.

1) - Name of Station DESERTOLI-CORFINO transmission line

Name of Company SELT-VALDARNO

Date of visit 25th April 1945

2) - Progress of work.

Two 60 KV lines are mounted on pin type insulators on one tower. This line connects Piano della Rocca, Gallicano, Castelnuovo and Corfino plants. Approximately seven towers are down and a good deal of the wire. Prebably enough wire could be salvaged to rebuild on circuit.

3) - Matters requiring attention.

4) - Anticipated date of completion.

859

Dist. FLORENCE

Signed Clarence S.Wilcox
Rank Major, Ord.
Field Engineer

ADVANCED SECTION
SUB-COMM

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

Castelnuovo and Corfino plants. Approximately seven towers are down and a good deal of the wire. Probably enough wire could be salvaged to rebuild on circuit.

3) - Matters requiring attention.

4) - Anticipated date of completion.

859

Dist. FLORENCE

Signed Clarence S.Wilcox
Rank Major, Crd.
Field Engineer



NOTE - Add separate report only where necessary.

Copy to: Lt-Col. Lapper
Capt. Marshall, 15 Army Group
Major Wilcox
2 File

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

PUBLIC WORKS & UTILITIES SUB-COMMISSION

Electrical Division

FIELD ENGINEERS REPORT.

1) - Name of Station GALLICANO hydro-plant (map sheet 11, L1604)

Name of Company SELT-VALDARNO

Date of visit April 25th 1945

2) - Progress of work.

This plant was badly damaged during German occupation. The diversion dam consisted of four large gates, two of which were completely destroyed. The remaining two and their lifting equipment are in good condition. Two conduits lead to the plant headworks. The entrance to the tunnels has been blocked with stone and mined. A portion of one conduit has serious breacks in a canal section. The headworks and two penstocks have been damaged by shell fire. Two overflow pipes have also been damaged by shell fire. The tail race and overflow canal are undamaged. This flow floods directly into the Pian della Rocca intake conduit. The power house was demolished; substation only slightly damaged. Power house crane can possibly be repaired. Substation crane is undamaged.

The station originally contained one vertical and three horizontal 6000 KVA units as well as one 3200 KVA unit. The vertical 6000 KVA unit appears to be undamaged. The turbine had been sealed in by wall. One horizontal 6000 KVA unit had been dismantled and hidden without being damaged. The other units had been very nearby demolished by demolition charges. Two 60-5 KV, 6000 KVA transformers had been hidden underground. One 30-5 KV, 6000 KVA transformer in good condition. One 60.30-5 KV, 6000 KVA transformer some damage. One 30-5 KV, 3200 KVA transformer in good condition.

3) - Matters requiring attention.

Valdarno Company are clearing débris from plant. P.B.S. electrical engineer has initiated work of making temporary repairs to diversion dam and hydraulic line including overflow pipes at headworks. This work should be completed within 15 days. Present flow of Serchio that would be made available to Pian della Rocca plant is estimated as not over 8 cubic meters per second.

4) - Anticipated date of completion. 8/4

Dist. FIORENCE

Signed Clarence S. Wilcox
Rank Major Ord.
Field Engineer

ADVANCED SECTION

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

The remaining two and their lifting equipment are in good condition. Two conduits lead to the plant headworks. The entrance to the tunnels has been blocked with stone and mined. A portion of one conduit has serious breaks in a canal section. The headworks and two penstocks have been damaged by shell fire. Two overflow pipes have also been damaged by shell fire. The tail race and overflow canal are undamaged. This flow floods directly into the Pian della Rocca intake conduit. The power house was demolished; substation only slightly damaged. Power house crane can possibly be repaired. Substation crane is undamaged.
The station originally contained one vertical and three horizontal 6000

3) - Matters requiring attention.

KVA units as well as one 3200 KVA unit. The vertical 6000 KVA unit appears to be undamaged. The turbine had been sealed in by wall. One horizontal 6000 KVA unit had been dismantled and hidden without being damaged. The other units had been very nearby demolished by demolition charges. Two 60-5 KV, 6000 KVA transformers had been hidden underground. One 30-5 KV, 6000 KVA transformer in good condition. One 60.30-5 KV, 6000 KVA transformer some damage. One 30-5 KV, 3200 KVA transformer in good condition.

3) - Matters requiring attention.

Valdarno Company are clearing débris from plant. P.B.S. electrical engineer has initiated work of making temporary repairs to diversion dam and hydraulic line including overflow pipes at headworks. This work

4) - Anticipated date of completion.

should be completed within 15 days. Present flow of Serchio that would be made available to Pian della Rocca plant is estimated as not over 8 cubic meters per second.

Dist. FLORENCE

Signed Clarence S. Wilcox
Rank Major Ord.
Field Engineer

ADVANCED SECTION
SUB-COMM
OFFICIAL
DATE
ELECTRICAL DIVISION

NOTE - Add separate report only where necessary.

Copy to: Lt-Col. Lapper
Capt. Marshall, 15 Army Group
Major Wilcox
2 File

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

PUBLIC WORKS & UTILITIES SUB-COMMISSION

Electrical Division

FIELD ENGINEERS REPORT.

1) - **Name of Station** PIANO DELLA ROCCA (map sheet 11, 02496)

Name of Company SELT-VALDARNO

Date of visit 25th April 1945

2) - **Progress of work.**

Plant originally contained three 14,000 KVA units. One unit had been dismantled. One unit has been repaired and the other is under repair. The turbine from the disassembled unit was used to repair the other two units. The intake canal has been damaged in five places by artillery fire.

3) - **Matters requiring attention.**

Approximately 10 tons of cement needed for repairs. This work is being done by the P.B.S. engineers. Repairs to second unit will be completed in one month.

8/8

4) - **Anticipated date of completion.**

Dist. FLORENCE

Signed Clarence S. Wilcox
Rank Major, Ord.
Field Engineer

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

mantled. One unit has been repaired and the other is under repair. The turbine from the disassembled unit was used to repair the other two units. The intake canal has been damaged in five places by artillery fire.

3) - **Matters requiring attention.**

Approximately 10 tons of cement needed for repairs. This work is being done by the P.B.S. engineers. Repairs to second unit will be completed in one month.

818

4) - **Anticipated date of completion.**

Dist. FLORENCE

Signed Clarence S. Wilcox
Rank Major, Ord.
Field Engineer

ADVANCED SECTION FWD SUB-COMM OFFICIAL SIZE A.C. GENERAL DIVISION

NOTE - Add separate report only where necessary.

Copy to: Lt-Col. Lapper
Capt. Marshall, 15 Army Group
Major Wilcox
2 File

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

PUBLIC WORKS & UTILITIES SUB-COMMISSION

Electrical Division

FIELD ENGINEERS REPORT.

1) - **Name of Station** CORFINO hydro-plant (map.ref.sheet 11,L12,12)
Name of Company SELT-VALDARNO
Date of visit 25th April 1945

2) - **Progress of work.**

This station was not damaged by German occupation. One unit was in operation at time of inspection. Generator characteristics: 5500 Volts, 252 Amps, 2400 KVA, 750 RPM, 50 cycles, 0.7 power factor.
A similar unit had been entirely disassembled and the alternator, turbine and governors hidden underground. A smaller unit was in place but had been covered by a mound of rocks cemented together. All transformers had been removed to underground locations and sealed in. These included two 4500 KVA, 5.5 - 62 KV and one 2500 KVA, 66-30 KV unit.

3) - **Matters requiring attention.**

The plant engineer was ordered to unearth and assemble all equipment that had been removed from the power house. Slight damage to the power house roof from shell fire will require tiles for repair. The P.B.S. electrical engineer is investigating the condition of transmission facilities both to the north and the south of this station.

4) - **Anticipated date of completion.**

Unknown.

Dist. FIORENCE

Signed Clarence S. Wilcox
Rank Major Ord.
Field Engineer

Copy to: Lt-Col. Lapper
Major Wilcox
File (2)

ADVANCED SECTION

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

5500 Volts, 252 Amps, 2400 KVA, 750 RPM, 50 cycles, 0.7 power factor.
A similar unit had been entirely disassembled and the alternator, turbine and governor, hidden underground. A smaller unit was in place but had been covered by a mound of rocks cemented together. All transformers had been removed to underground locations and sealed in. These included two 4500 KVA, 5.5 - 62 KV and one 2500 KVA, 66-30 KV unit.

3) - Matters requiring attention.

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4) - Anticipated date of completion.

Unknown.

Dist. FLORENCE

Signed Clarence S. Wilcox
Rank Major Ord.
Field Engineer

Copy to: Lt-Col. Lapper
Major Wilcox
File (2)

ADVANCED SECTION
SUB-COMM
OFFICIAL
MIS
A-2
ELECTRICAL DIVISION

NOTE - Add separate report only where necessary.

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

PUBLIC WORKS & UTILITIES SUB-COMMISSION

Electrical Division

FIELD ENGINEERS REPORT.

1) - Name of Station CASTELNUOVO hydro plant (map sheet 11,L1409)

Name of Company SELT-VALDARNO

Date of visit 25th April 1945

2) - Progress of work. This plant was badly damaged during German occupation. The diversion dam on the Serchio River was not damaged. The hydraulic operated gates are now able to function through power supplied by the Corfino plant. The intake tunnel from the dam to the headworks has been damaged in two places and will require 10 tons of cement for repair. The headworks and penstock are undamaged. The power house and substation have been completely demolished.

The plant contained three 2400 KW vertical generating units. Unit n° 1 has sustained considerable damage to the exciter and governor, and slight damage to the alternator due to the crane falling across the unit. The turbine appears undamaged.

Unit n° 2 has been dismantled and hidden underground. The alternator, governor and turbine should be in good condition, with the exception of the alternator cover plate. The cover plate had been left in the open and was damaged by bombing. A section of the cast rim had been blown out, but as the spider and bearing were undamaged, it appears useable.

Unit n° 3 was damaged by the falling power house and other nearby demolitions. The exciter and governor were badly damaged. Bolts holding the generator and turbine shaft were sheared with possible internal damage to both machines. Crane was badly damaged. One transformer had been hidden; of other two one was slightly damaged by falling débris, the other more seriously.

3) - Matters requiring attention. Clearing up rubble is in progress. Valdarno Company is to submit a report on proposed rehabilitation schedule. This station was verbally released by P.B.S. for our action. (Lt-Col. Cooley to Major Wilcox).

Dist. FLORENCE

Signed Clarence S. Wilcox
Rank Major, Ord.
Field Engineer.

Copy to: Lt-Col. Lapper
Capt. Marshall, 15 Army Group
Major Wilcox

ADVANCED SECTION

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

power supplied by the Corfino plant. The intake tunnel from the dam to the headworks has been damaged in two places and will require 10 tons of cement for repair. The headworks and penstock are undamaged. The power house and substation have been completely demolished.

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~~3) - Matters requiring attention.~~

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~~4) - Anticipated date of completion.~~

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Dist. FLORENCE

Signed Clarence S. Wilcox
Rank Major, Ord.
Field Engineer.

Copy to: Lt-Col. Lapper
Capt. Marshall, 15 Army Group
Major Wilcox
2 File
NOTE - Add separate report only where necessary.

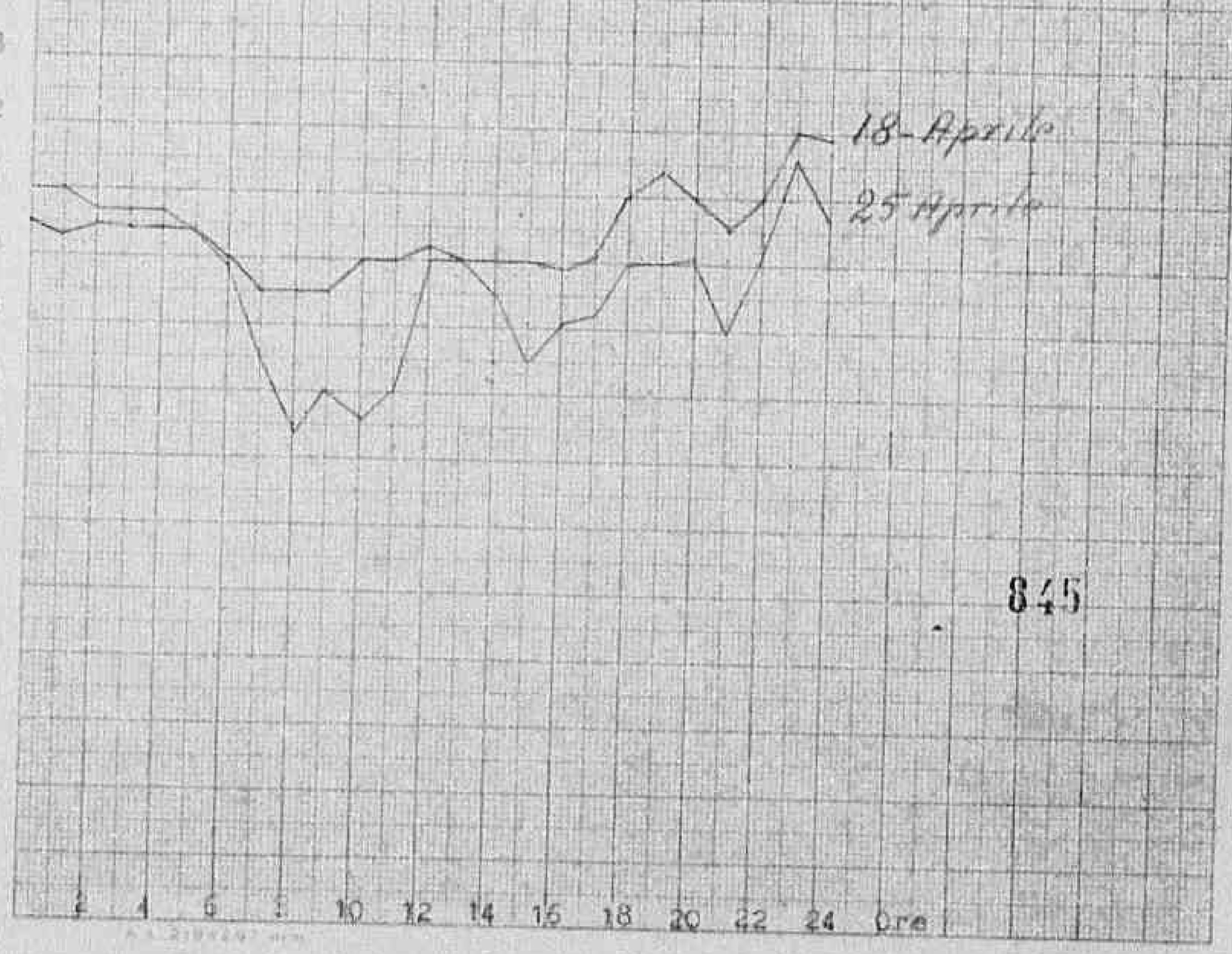
ADVANCED SECTION
SUB-COMM
OFFICIAL
DATE
A.F.H.Q.
ELECTRICAL DIVISION

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

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

Uff. Sol. Reale, Jun. Luigi

Diagramma di Tensione
a Castelnuovo



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

RECEIVED
P.W. & U. S/C A.C.
27 APR 1945 158

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

26

April 24th 1945

TO: Lt-Col. Renton
Public Works & Utilities Sub-Commission
H.Q. Allied Commission
A.P.O. 394

Attached copies of report on water, electricity and sewage, cities of Massa, Carrara etc. are forwarded for information.

8/4

A. Crowther, Major R.E.

2 enclosures

Copies to files 078-062

Copy on 062 pending Duccio's Cab.

25

ELECTRICITY GENERATING STATIONS
(Centrali di Produzione dell'Energia Elettrica)

WEEKLY GENERATION REPORT
(Relazione settimanale sulla Produzione)

Name of Company _____
(Società)
Address of Company (Indirizzo) _____

Name of Station (Centrale)	Units generated kWh x 10^6 (energia prodotta)	Max load KW (carico massimo)	State of Reservoir kWh x 10^6 (condizioni del bacino)
Hydro Stations (Idroelett.)			

THERMAL ELECTRICITY GENERATING STATIONS
(Centrali Termiche per la Produzione dell'Energia)

WEEKLY FUEL REPORT
(Relazione Settimanale sul Combustibile)

Name of Thermal Station (Centrale Termica)		Fuel in stock at Beginning of week (combust. in magazzino al principio della settimana TONS (Tonn)	Fuel delivered during the week (combust. consegnato durante la settimana) TONS (Tonn)	Fuel used during the week (combust.) impiegato durante la settimana TONS (Tonn)	Fuel in stock at end of week (combust. in magazzino a fine settimana) TONS (Tonn)
	Coal Carbone				
	Oil Nafta				
	Coal Carbone				
	Oil Nafta				
	Coal Carbone				
	Oil Nafta				
	Coal Carbone				
	Oil Nafta				
	Coal Carbone				
	Oil Nafta				
	Coal Carbone				
	Oil Nafta				

Report for Midnight Saturday _____ 1945
Relazione alla mezzanotte del Sabato

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

Name of Thermal Station (Centrale Termica)		Beginning of week (combust. in magazzino al principio della settimana TONS(Tonn)	ing the week (combust. consegnato durante la settimana) TONS (Tonn)	during the week (combust.) impiegato durante la settimana TONS (Tonn)	end of week (combust. in magazzino a fine settimana) TONS(Tonn)
	Coal Carbone				
	Oil Nafta				
	Coal Carbone				
	Oil Nafta				
	Coal Carbone				
	Oil Nafta				
	Coal Carbone				
	Oil Nafta				
	Coal Carbone				
	Oil Nafta				
	Coal Carbone				
	Oil Nafta				

Report for Midnight Saturday _____ 1945
Relazione alla mezzanotte del Sabato

Signed (Firmato) _____

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/S.A.C
25 APR 1945 158

Attn. Maj Barry

24

I L V A

Stab/to di Piombino

C O N S U M I D I E N E R G I A

Cominciamo con lo stabilire il quantitativo di vapore producibile.

Capacità produttiva di ogni caldaia

Babcock -

Calorie del carbone 6.500 a Kg.
Superficie di griglia mt. 2,43x4,75 = mq. 11,54
Carbone bruciato per mq. di griglia e per ora 100 Kg.
Carbone bruciato per ogni caldaia 1.154 Kg.
Calorie 1.154x6.500 = 7.501.000
Rendimento presupposto 52%
Calorie prodotte 3.900.520
Calorie contenuto nel vapore surriscaldato a 300° - 700
Vapore prodotto 3.900.520 : 700 =5,57

Tosi -

Calorie del carbone 6.500 a Kg.
Superficie di griglia mt. 2,92 x 2,43 = mq. 7
Carbone bruciato per ogni mq. di griglia e per ora 100 Kg.
Carbone " " " caldaia 700 Kg. per ora
Calorie 700 x 6.500 = 4.550.000
Rendimento presupposto 52%
Calorie prodotte 2.366.000
Calorie contenute nel vapore surriscaldato a 300°c. 700
Vapore prodotto 2.366.000 : 700 = 3,38 T.

In tale ipotesi, nelle peggiori condizioni, potremo avere 4 Tosi e 4 Babcock in marcia con un totale di vapore prodotto di T. 36.
Energia producibile con il totale di vapore 4.000 Kwh.

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

Eseguiamo ora un prospetto di utilizzazione e produzione di energia per le varie ipotesi di marcia:

	Acciaieria e laminatoi fermi	1 forno in acciaieria 1000 e 850 in marcia (1)	2 forni in Acciaieria 1000 e 850 in marcia (1)	2 forni in Acciaieria e 1 treno medio (2)
Acciaieria	-	250	350	350
Laminatoi	-	400	400	1.300
Torneria cilindri e finissato	-	100	100	100
Pompe H_2O mare - 1° Salto	200	240	280	320
" " " - 2° "	600	650	700	750
Pompe H_2O dolce (Salivoli)	30	70	70	70
Servizi caldaie	60	60	60	60
" centrale	20	20	20	20
" officina	60	60	60	60
" discarica	150	150	150	150
Energia totale	1.120	2.000	2.100	3.180
Energia prodotta	4.000	2.000	2.000	4.000
Energia disponibile	2.880	--	-100	820

(1) Con 20 Tonn. di vapore per il blooming ad 850 e Acciaieria con un passaggio normale

(2) Con marcia non contemporanea dello sbozzatore.

I consumi segnati in tabella sono così ricavati:

- 1° Ipotesi -

Acciaieria e Laminatoi Fermi - 841

Acqua mare

Pompe 1° Salto - in marcia 1 pompa da 3500 mc/h 11 m. di

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

prevalenza 200 Kw.

Pompe 2° Salto - in marcia 1 pompa 2000 mc/h 50 m. prevalenza 400 Kw.
e 1 pompa 1000 mc/h 50 m. prevalenza 200 Kw.
per un consumo totale di 3.000 mc. d'acqua
(2.000 cond. Stal - 1.000 cond. Ansaldo)

Acqua dolce

1 pompa in marcia in Salivoli da 30 Kw.

Servizi caldaie

In marcia 1 pompa alimento 40 Kw.
2 pompe per condensa 20 Kw.

Centrale

Servizi ausiliari condensa - 2 pompe da 8 Kw. + 4 Kw. servizi vari.

Discarica

2 grues da 5% T. con motori da 80 Kw. a c.c. ognuno a lavoro non contemporaneo; gruppo convertitore da 180 Kw. su un assorbimento medio di 150 Kw.

- 2° Ipotesi -

1 forno Acciaieria - 1000 e 850 in marcia

Acciaieria

Un gruppo convertitore in marcia da 400 Kw. per grue collaggio e caricatrice di 1 forno carico medio 50 % = Kw. 200 più 1 motore gassogeno Kw. 30 più servizi annessi Kw. 20 - Totale Kw. 250.

Laminatoi

Servizi ausiliari motori 1000 e 850 , grue e via rulli Kw. 400.

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

Torneria cilindri e finimento

2 torni in marcia più finimento con la relativa grue per un complesso di Kw. 100.

Acqua mare

Consumo d'acqua di un forno in acciaieria	150 mc/h.
" " per Blooming	100 "
	Totale 250 mc/h

che corrisponde alla marcia di 1/4 d'ora di una pompa del 1° salto e 1/4 d'ora di una pompa da 1.000 del 2° salto, corrispondente a 40 e 50 Kw. rispettivamente.

H_2O dolce

Per 1'850 raffreddato ad H_2O dolce occorrono le pompe di ricupero con un consumo di 40 Kw.

ALTRI CONSUMI come nella 1^ ipotesi.

3^ Ipotesi -

2 forni Acciaieria 1000 e 850 in marcia

Acciaieria

Si può considerare che il carico aumenti del 40% rispetto al caso precedente quindi avremo una potenza assorbita del 40%.

Laminatoi

Torneria e finimento - Vedi ipotesi precedente.

Acqua mare

Aumentando la marcia di un forno e per conseguenza aumento di turni di lavorazione al 1000 e 850 avremo un ulteriore aumento di consumo d'acqua di altri 250 mc. e quindi un aumento rispettivamente di 40 e 50 Kw. per il 1° e 2° salto.

ALTRI CONSUMI - come nella ipotesi precedente.

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- 4^ Ipotesi -

2 forni in Acciaieria e 1 treno medio in marcia

I consumi che variano sono :

Laminatoi : altri 900 Kw. per la messa in marcia del motore da 1200 HP.

Acqua di mare : altri 250 Kw. per il raffreddamento dei forni di riscaldo con il relativo aumento proporzionale di 40 e 50 Kw. per il 1° e 2° salto rispettivamente.

Piombino 28 marzo 1945

I.L.V.A.
STABILIMENTO DI PIOMBINO

POWER REQUIREMENT

STEAM GENERATION

Generating capacity of each boiler.

Babcock

Coal calories	6,500 each Kg.
Grate surface mt 2.43 x 4.75	sqm 11.54
Coal burned per each sqm per hour	Kg. 100
Coal burned in each boiler	Kg. 1,154 per hour
Calories 1,154 x 6;500	7,501,000 per hour
Efficiency	52 %
Calories produced	3,900,520
Calories of the superheated steam at 300°	700
Steam produced 3,900,520 : 700	5,570 Kg

Tosi

Coal calories	6,500 each Kg.
Grate surface mt 2.92 x 2.43	sqm 7
Coal burned per each grate sqm per hour	Kg. 100
Coal burned per each boiler	Kg. 700 per hour
Calories 700 x 6,500	4,550,000 per hour
Efficiency	52 %
Calories produced	2,366,000
Calories of the superheated steam at 300°	700
Steam produced 2,366,000 : 700	3,380 Kg.

According with the above, in worst conditions, we may operate 4 Tosi and 4 Babcock with a total of T 36 steam production per hour.

Power to be generated with the above 4,000 KW

POWER SCHEDULE

		30 April Steel works & steel mills non operating	1 August 1 steel furnace 1000 & 850 operating (1)	1 August 2 steel work furnace 1000 & 850 operating (1)	15 Sept. 2 steel work furnace & 1 middle steel-mill (2)
Steel works		---	250	350	350
Steel-mills		---	400	400	1300
Roller turney		---	100	100	100
Pumps sea w.	1 hd	200	240	280	320
" " "	2 hd	600	650	700	750
" fresh " (Salivoli)		30	70	70	70
Boilers operation		60	60	60	60
Power plant oper.		20	20	20	20

837

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

Calories produced 3,900,520
Calories of the superheated steam at 300° 700
Steam produced 3,900,520 : 700 5,570 Kg

Tosi

Coal calories	6,500 each Kg.
Grate surface mt 2.92 x 2.43	sqm 7
Coal burned per each grate sqm per hour	Kg. 100
Coal burned per each boiler	Kg. 700 per hour
Calories 700 x 6,500	4,550,000 per hour
Efficiency	52 %
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Calories of the superheated steam at 300°	700
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According with the above, in worst conditions, we may operate 4 Tosi and 4 Babcock with a total of T 36 steam production per hour.

Power to be generated with the above 4,000 KW

POWER SCHEDULE

	30 April	1 August	1 August	15 Sept.
	Steel works & steel mills non operating	1 steel furnace 1000 & 850 operating (1)	2 steel work furnace 1000 & 850 operating (1)	2 steel work furnace & 1 middle steel-mill (2)
Steel works	---	250	350	350
Steel-mills	---	400	400	1300
Roller turney	---	100	100	100
Pumps sea w. 1 hd	200	240	280	320
" " " 2 hd	600	650	700	750
" fresh " (Salivoli)	30	70	70	70
Boilers operation	60	60	60	60
Power plant oper.	20	20	20	20
Workshop operation	60	60	60	60
Unloading	150	150	150	150
Required power	1,120	2,000	2,190	3,180
Total generation	4,000	2,000	2,000	4,000
Available power	2,980	---	- 190	820

(1) With 20 tons steam for the blooming and 850 & normal steel works operat.
(2) With rough-hewer alternate operation. 1200 KF motor to be repaired.

837

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

The scheduled power requirements are forecasted as follows:

1st. Steel works and steel mills not operating.

Sea water.

Pumps 1 head - one 3500 cu m unit, head 11 mt. 200 KW in oper.
Pumps 2 head - one 2000 cu m unit, head 50 mt - 400 KW in operation
and 1 - 1000 cu m pump - head 50 mt - 200 KW in operation for a total capacity of 3000 cu m water
(Stal 2000 cond. - Ansaldo 1000 cond.)

Fresh water.

1 pump operating in Salivoli 30 KW

Boilers

1 water feeding pump 40 KW in operation
2 ocndensor pumps 20 KW " "

Power plant

Auxiliary services condenser - two 8 KW pumps + 4 KW for services.

Unloading

Two 50 T cranes with 80 KW D.C. motors not operating in the same time; one 180 KW converter with 150 KW average load.

2nd. 1 Steel furnace - 1,000 & 850 operating.

Steel works

One 400 KW converter operating for the furnace loading and unloading crane 50 % average load - KW 200 plus 1 gazometer KW 30 motor plus auxiliaries KW 20 - Total KW 250.

Steel mills

Auxiliary services motors 1000 and 850, crane and roller roadway KW 400.

Roller turney

2 lathes operating with crane: KW 100

836

Sea water

Water required for a steel furnace	150 cu m
Water required for the Blooming	100 " "
Total	250 cu m

corresponding to the operation of 1/4 hour of one pump of the

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

1 pump operating in Salivoli 30 KW

Boilers

1 water feeding pump 40 KW in operation
2 condensor pumps 20 KW " "

Power plant

Auxiliary services condenser - two 8 KW pumps + 4 KW for services.

Unloading

Two 50 T cranes with 80 KW D.C. motors not operating in the same time; one 180 KW converter with 150 KW average load.

2nd. 1 Steel furnace - 1,000 & 850 operating.

Steel works

One 400 KW converter operating for the furnace loading and unloading crane 50 % average load - KW 200 plus 1 gazometer KW 30 motor plus auxiliaries KW 20 - Total KW 250.

Steel mills

Auxiliary services motors 1000 and 850, crane and roller roadway KW 400.

Roller turney

836

2 lathes operating with crane: KW 100

Sea water

Water required for a steel furnace	150 cu m
Water required for the Blooming	100 " "
Total	250 cu m

corresponding to the operation of 1/4 hour of one pump of the 1st head and 1/4 hour of one 1000 pump of the 2nd head; power required 40 and 50 KW.

Fresh water

The "850" may be cooled with fresh water operating two pumps with 40 KW total load.

Other requirements:according with 1st.

3rd. 2 steel furnace and 850 operating.

Steel works

The load may increase of 40 % on the above and the power required increases of 40 %.

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Steel mills.

Tornary according with 2nd.

Sea water.

Adding one furnace and increasing the shifts for the 1000 and 850, the water required increases of 250 cu m and the power required increases of 40 and 50 Kw for the 1st and 2nd pump.

Other supplies: according with 2nd.

4th. 2 furnaces in the steel works and 1 medium size blooming mill in operation.

The power requirements increase as follows:

Steel mill.

900 KW for the operation of a 1200 HP motor.

Sea water.

250 KW for the cooling of the heating furnace and increase of 40 and 50 KW for the 1st and 2nd head.

Piombino, 28th March 1945

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

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

file

Tel.489081
Ext.317

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

WML/oe

158/PWU.

24 Apr 45.

SUBJECT: Information Electricity.

TO : Ministry of Public Works
(att: Eng. Asta)

1. Attached is a report on progress of restoration of electrical plant and transmission system in Italy for the month of March 1945. This report will be produced and circulated before the 10th of each month following that to which it refers.

2. You will appreciate that there is quite a lot of work entailed in developing and collecting data for such a report and as South Italy and a part of Central Italy now come under the jurisdiction of the Italian Government, we shall have to call upon you to supply the data for that part of the report.

3. It is essential that all information for the report shall be at this office not later than the 5th of the following month and it is requested that you circulate the Electrical Companies asking them to supply you with the necessary data. As there is no clear line of demarcation as between Electric Companies and Italian Government territory, it is thought desirable that you obtain the necessary information from all the Electrical Companies in Southern and Central Italy in the first instance. These data could then be analised by both of our Statistical Departments and made up into the form of a monthly report.

4. It is further necessary that this Sub-Commission obtain weekly information with regard to the output of electricity from each of the generating stations operating throughout Italy, Sicily and Sardinia. This information, together with the fuel requirements, is wanted for the various Resources Boards and also for assessing the amount of imported fuel and other materials.

5. Attached to this letter is a form which has been drawn up and which it is requested that you circulate to all the Electrical Companies in Central Italy, Southern Italy, Sicily and Sardinia, asking them to complete the data and return the form to you, as quickly as possible, after the end of each week.

6. This question of statistical data is of the utmost importance both from the point of judging the progress of

89 refers

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

electrical rehabilitation and also the amount of imported materials required and it is requested that you urge the Electrical Companies to supply information promptly.

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

2 encl.

copy to:file 051.

833

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

LWI/ac

Tel. 489081
Ext. 317

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

22

23 April 1945

Reference : 158/PWU

Subject : Power allocation for the month of May 1945

To : ADVANCED SECTION ELECTRICAL DIVISION
PUBLIC WORKS & UTILITIES SUB-COMMISSION, AC
in care of Florence Province AMG
Telephone - Florence 1153

1) - Enclosed herewith for information is copy of power allocation for the month of May 1945.

For the Chief Commissioner,

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

1 enclosure

832

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

Tel. 489081
Ext. 317

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

LWL/ao

21

Reference : 158/PWU

23 April 1945

Subject : Reports on electricity Central Italy and rehabilitation to electric plants

To : DIRECTORATE ON ENG. PROD. & STORES - AFHQ, ADV.
c/o ROME AREA ALLIED COMMAND

(13)

Reference letter 12/3/DEPS dated 18 April 45.

1. Transmitted herewith are the folkwing reports :

-	Electrical Control Central Italy	8/1/45
-	Operation Programme for February '45	24/1/45
-	Progress Report for January '45	13/2/45
-	" " " February '45	10/3/45
-	" " " March '45	13/4/45

For the Chief Commissioner,

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

enclosures as Encls 13

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

FILE

Tel. 489081
Ext. 317

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

LWL/mc

20

23 April 1945

Reference : 158/PWU

Subject : Power allocation for the month of May 1945

To : REGIONAL COMMISSIONER UMBRIA-MARCHE REGION
(Att Reg. Engineer) TOSCANA REGION
EMILIA REGION
LIGURIA REGION
PIEMONTE REGION
LOMBARDIA REGION
VENEZIA REGION

1. Enclosed herewith for information is copy of power allocation for the month of May 1945.

By Command of Rear Admiral STONE.

W.H. LAPPER
Lieut-Colonel,
Chief Elec. Div.

1 enclosure

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

Tel.489081
Ext.317

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

WML/ce

158/PWU.

21 Apr 1945.

SUBJECT: Master Control Central Italy.

TO : Eng. Aldo TOVELLI, Director
"Società Romana di Elettricità",
Via Poli 14, Rome

1. With reference to the Master Control for the Central Italy grid system which is now situated at your offices Via Poli 14 and operating under Eng. Pietromarchi, it is desirable that precautions be taken regarding persons who may wish to visit this control centre.

2. With regard to any civilian wishing access to the control room this will be left to the discretion of Eng. Pietromarchi and yourself.

3. You may, however, find some difficulty in the case of Allied personnel in uniform who may visit your offices and request access to the control room. In this case, unless they are in possession of a letter, copy attached, they should not be allowed in the control room and should be referred to this office for information.

W.M. LAPPEN,
Lieut-Colonel,
Chief, Elec.Div.

encl.

cc. to: Eng. Pietromarchi.

831

0 2 4 61

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

Tel.489081
Ext.317

HEADQUARTERS ALLIED COMMISSION WML/os
AFO 394
Public Works and Utilities Sub-Commission

... ... 1945.

158/PWU. " " "

SUBJECT: Master Control Central Italy.

TO : Eng. Aldo ROVELLI, Director
"Societh Romana di Elettricith",
Via Poli 14, Rome

or Eng. Domenico PIETROMARCHI.
" "

Please allow the bearer of this letter

.....
.....

" "

to enter the offices of the "Societh Romana di Elettricith" for the purpose of visiting the Master Control for the Central Italy grid system.

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

830

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

Tel.489081 HEADQUARTERS ALLIED COMMISSION WML/ee
Ext.317 APO 394
Public Works and Utilities Sub-Commission

58/PWU. 21 Apr.45

SUBJECT: Master Control Central Italy.

TO : Eng. Aldo TOVELLI, Director
"Società Romana di Elettricità",
Via Poli 14, ROME or Eng. Domenico PIETROMARCHI.

Please allow the bearer of this letter
Lieut-Colonel W.M. LAPPER, Chief Elect. Div.
Public Works & Utilities Sub-Commission, A.C.,
to enter the offices of the "Società Romana di Elettricità" for the purpose of visiting the Master Control for the Central Italy grid system.

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

18

Similar letters for:

Col. E.J. Riatedt, A/Director,
Lt.Col. V.S. Renton, of the Elec.Div.
Major L.W. Laughlin, " " " "
" E.J. Barry, " " " "
" L.G. Price, " " " "

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

Tel.489081
Ext.317.

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

WML/ce

158/PWU.

19 Apr 45.

SUBJECT: Electricity Central Italy.

TO : Advance Section Electrical Divn.,A.C.
Public Works & Utilities Sub-Comm.
(att: Major Crowther).

1. I received your note and the civilian engineer called here a few days ago. I have informed him that we will keep him in mind ready for when move is made in Liguria region.

2. With regard to your weekly report this is as usual most interesting and gives us the picture which we require regarding your activities. A standard form has been drawn up for giving a brief report on visits to power plants and I shall be glad if you would use this standard form in addition to your usual report. In case you have not seen the form a copy is attached.

W.M. LAPPER,
Lieut-Colonel,
Chief, Elec.Divn.

828

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

Tel. 478.906

[redacted] HEADQUARTERS ALLIED COMMISSION [redacted] ADV/mm
AND SHA
Public Works and Utilities Subcommission

16

Reference : 156/2/0 18 April 1945

Subject : Capacity of 12 kilns - diagrams.

To : See list below.

Herewith one copy of a graph for simple determination of voltage drops on overhead lines. It must not be considered lethal bible, but provides a quick method of obtaining an approximate answer.

[redacted]

W.F. Lacey
Lieutenant-Colonel
Chief Electrical Inv.

Regional Commissioner (Att. Reg. Engineer)
[redacted]
[redacted]
[redacted]
[redacted]

M E M O R A N D U M

NERA MONTORO STATION -

In Nera Montoro Station 4 generating groups, alternator of 6000 KVA, turbine for 25 cm/s each, head fall 23,10 m., are installed at present.

As the canal is not able to carry water enough for the three groups together, one of them is always kept standing by.

The generated output is about 100.000.000 KWh.

In order to utilize the plant in a more suitable way the construction of a gallery was started some time ago so as to double approximately the utilizable flow. A new group of 14.000 KVA was also ordered to Firms of Northern Italy. An increase of output of beyond 50.000.000 KWh would be enabled. It was heard that the group was already built and can be assembled as soon as Northern Italy will be liberated.

Therefore, it is necessary to resume at once civil engineering works interrupted owing to the war, in order to have them ready when the group will be assembled. The completion of works will take a year time and need 18.000 Q. of cement (two trucks per week).

Irrespectively of the installation of the new group 14.000 KVA, the new gallery will enable to utilize completely the four present groups. Such operation corresponds to a yearly average flow of about 86 cm/s and to an output of 120.000.000 KWh with an increase of 20.000.000 KWh. This figure will be very slightly reduced even if, owing to the storage of Salto & Turano reservoirs, Nera River would miss the increase due to corresponding rainfalls.

Rome April 17th 1945

827

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

of 6000 KVA, turbine for 25 cm/s each, head fall 23,10 m., are installed at present.

As the canal is not able to carry water enough for the three groups together, one of them is always kept standing by.

The generated output is about 100.000.000 KWh.

In order to utilize the plant in a more suitable way the construction of a gallery was started some time ago so as to double approximately the utilizable flow. A new group of 14.000 KVA was also ordered to Firms of Northern Italy. An increase of output of beyond 50.000.000 KWh would be enabled. It was heard that the group was already built and can be assembled as soon as Northern Italy will be liberated.

Therefore, it is necessary to resume at once civil engineering works interrupted owing to the war, in order to have them ready when the group will be assembled. The completion of works will take a year time and need 10.000 Q. of cement (two trucks per week).

Irrespectively of the installation of the new group 14.000 KVA, the new gallery will enable to utilize completely the four present groups. Such operation corresponds to a yearly average flow of about 86 cm/s and to an output of 120.000.000 KWh with an increase of 20.000.000 KWh. This figure will be very slightly reduced even if, owing to the storage of Salto & Turano reservoirs, Nera River would miss the increase due to corresponding rainfalls.

Rome April 17th 1945

827

Lt. Col. Laffer.

AA/ao

Due to a temporary tight situation regarding cement which is required for other plants with an earlier service date the above project can not be approved at this time.

JJK 19-4-45

Left by Mr Pandiani in the meeting of April 16th 1945 of the Central Italy Advisory Committee that a copy sent to Mr. Vincenti -

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

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

ALLIED CONTROL COMMISSION

INTER-OFFICE MEMORANDUM

14

SUBJECT: Supply of Electric Power to Ist. Poligrafico dello Stato-Rome FILE No. Misc.

TO : Chief Electrical Division PW & U S/Comm A.C 20th April 1945

(1) Attached memo from Ist. Poligrafico reports interruption in electric power which has prevented them from continuing the production of banknotes recently

(2) Allied Financial Agency is very anxious that the production should continue to meet urgent national demands.

(3) Will you please inform this office if this was a temporary stoppage or whether there is any reason to expect further stoppages. An early reply would be appreciated

Encl.

ALLIED FINANCIAL AGENCY

Major

RECEIVED
P.W. & U. S/C A.C.
20 APR 1945

826

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

Roma, 20/4/945

IST. POL. DELLO STATO (OFF. CARTE VALORI)

Sig. Magg. W.F. Cook

Agenzia Finanziaria Alleata

Banca d'Italia

R O M A

Vi informo che è due giorni che abbiamo iniziata la stampa delle banconote nuovo tipo,

Durante questo periodo, abbiamo avuto e continuiamo ad avere, delle prolungate interruzioni di energia elettrica fatto che non si verificava più da mesi.

Vi saremo grati se vorreste interessarvi in merito.

Tel. 80921

Il v. Direttore

(U. Goldano)

825

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

RECEIVED
P.W. A.U.S/C.A.
9 APR 1945 158

DIRECTORATE OF ENG.PROD.& STORES
AFHQ. ADV.
c/o ROME AREA ALLIED COMMAND

FF 13

Tel. No. 66170

Subject:Electric Power

18. April '45 12/3/DEPS

HQ Allied Commission
Public Works Utilities Sub. Commission
Electrical Division

The U/m letters have been sent by you to DEPS (Main) AFHQ. As they are also of immediate concern to this office may copies of this correspondence please be sent here.

Your Ref.No.	Date	Subject
158/PWU	8/1/45	Electrical Control Central Italy.
158/PWU	24/1/45	Operation Programme for February '45,
158/PWU	13/2/45	Progress Report for Jan '45.
158/PWU	10/3/45	Repairs being made to Plants - Progress report for Feb. '45

21 refers

R. BOGER
Major RE.
for Brigadier
D.E.P.& S. 824

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

10 April 1945

To Colonel LAPPER

I have the pleasure to inform you that the No.3 Galleto Group has started operation and will be able to carry the whole load.

/s/ Prof. A. Angelini

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

Società Romana di Elettricità

Per azioni - Sede in Roma - C.C.C. Roma N.: 2017
capitale sociale L. 478.300.000 versato

Roma, 6 Aprile 1945
VIA POLI, 14

To Lt.Col. W.M. LAPPER (1/2 Ing. Asta)
Chief Electrical Division
Public Works & Utilities Sub-Commission
APO 394
R O M E .

VOG - 2nd Part

1. Con riferimento alla nota 158/PWU/del 5 aprile 1945 prendiamo atto che la Camera di Controllo permanente del Central Italy Electricity Scheme, sita presso la Società Romana di Elettricità, Via Poli 14, entrerà in servizio alle ore 15 del giorno 14 aprile 1945, ed assicuriamo che questa Società predisporrà quanto di sua competenza perchè il passaggio abbia luogo regolarmente.

2. Abbiamo anche preso nota che la Camera di controllo di emergenza, sita nel fabbricato del Ministero delle Corporazioni, verrà in avvenire utilizzata nel caso che la camera permanente di Via Poli 14 diventi inutilizzabile per quasiasi ragione.

SOCIETÀ ROMANA DI ELETTRICITÀ
IL DIRETTORE GENERALE

1. Reference to your letter 158/PWU on 5th April 1945 we take notice that the permanent control room of the Central Italy Electricity Scheme, located in this Company's building, will be placed in operation at 1500 hours on Saturday 14 April 1945, and we assure you that this Company will prepare what depends from it for the regular movement of the control room.

2. We have also taken notice that the emergency control room in the Ministero delle Corporazioni building will be utilised in the future in the fall that the permanent room of Via Poli 14 became unusable for any reason.

820

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

Firenze, 19 Febbraio 1945

Prot. num.2587/E/01109
OGGETTO: L'energia elettrica per la ripresa industriale della Provincia di Firenze.-

On. COMMISSIONE ALLEATA
Industry Sub Commission
R O M A

p.c. On. MINISTERO INDUSTRIA E COMMERCIO
R O M A

p.c; TOSCANA INDUSTRY AND COMMERCE DIVISION
F I R E N Z E

L'importanza industriale della Provincia di Firenze era caratterizzata dall'esistenza in tempi normali nella Provincia stessa di circa 4500 aziende tra grandi, medie e piccole aziende. Nella zone di Firenze si raggruppavano specialmente le attività dell'industria meccanica, dei materiali da costruzione e dell'abbigliamento; a Prato quelle tessili (laneria) e nella zona di Empoli le industrie vetrarie e della confezione in serie.

In rapporto a tali attività trovavano impiego oltre 100.000 operai, oltre a molte altre diecine di migliaia di lavoratori a domicilio e alle dipendenze di botteghe artigiane(che erano circa 30.000); attualmente in vece, dai primi elementi informativi risulta che in attività industriali in genere lavorano soltanto 30.000 operai all'incirca.

Una delle principali cause di questa notevolissima contrazione di attività è costituita dalla scarsa erogazione di energia elettrica.

All'uopo l'Associazione degli Industriali della Provincia di Firenze ha svolto un'apposita indagine per conoscere con la massima approssimazione possibile le conseguenze della deficienza dell'energia elettrica sulla produzione industriale e sull'occupazione operaia.

A seguito di tale indagine è risultato dal complesso dei dati raccolti:

a) che nella zona di Firenze la scarsità di energia elettrica provoca una riduzione di circa il 50% sull'attività produttiva in confronto a quella che sarebbe immediatamente possibile, mentre nelle zone di Prato e Empoli ogni attività industriale è pressochè paralizzata per la mancata erogazione di elettricità;

821

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

b) in dette zone, complessivamente, potrebbero essere riassorbiti in tempo relativamente breve circa 25.000 lavoratori nel campo industriale e molte altre migliaia nel campo dell'artigianato.

Conclusione;

ragioni di carattere economico e sociale rendono necessaria l'erogazione supplementare per il mese di marzo di almeno 5000 Kw. a Firenze, 4000 a Prato, 1000 ad Empoli, onde evitare che il prolungato stato di disoccupazione di diecine di migliaia di lavoratori aggravi il loro insostenibile disagio e dia luogo a gravi movimenti di masse operaie disoccupate.

IL PRESIDENTE
(E. De Micheli)

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

PROVINCIA DI FIRENZE

Situazione dell'energia elettrica al 28 febbraio 1945

per un importante gruppo di aziende industriali

Attività svolta	Numero delle ditte	Situazione attuale in Kw.	Quantitativo ulteriore richiesto in Kw.	Riassorbimento nodopera ulteriore con di energia
Industria meccanica e metallurgica	64	608,80	1645,50	71
Industria abbigliamento in genere	52	55	1341	177
Industria del gas	1	250	350	-
Industria degli autotrasporti	3	5	105	9
Industria chimica	10	11	192	2
Industria grafica e affini	24	22	805	9
Industria molitoria e pastificazione	3	23	85	3
Industrie agricole alimentari	6	10	179	11
Industrie dei laterizi, calce, cemento, miniere, edilizia	13	60	1113	5
Industria del vetro e della ceramica	5	150	410	
Industria del legno	15	12	304	2
Industria dello spettacolo	3	-	64	
Industrie varie	6	20	81	
	205	1226,80	6671,50	56

Nota: 1) Come fatto noto dall'Associazione degli Industriali della Provincia di Firenze - Il Presidente, C.te Dott. Danilo de Micheli.

2) Questa analisi non include tutte le industrie.

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

PROVINCIA DI FIRENZE

Situazione dell'energia elettrica al 28 febbraio 1945

per un importante gruppo di aziende industriali

svolta	Numero delle ditte	Situazione attuale in Kw.	Quantitativo ulteriore richiesto in Kw.	Riassorbimento mano dopera con l'ulteriore concessione di energia elettr.
omica e metallurgica	64	608,80	1645,50	716
bigliamento in genere	52	55	1241	1776
gas	1	250	350	-
li autotrasporti	2	5	105	940
mica	10	11	192	244
fica e affini	24	22	805	954
itoria e pastificazione	2	23	85	33
coli alimentari	6	10	179	112
laterizi, calce, cemento,				
ere, edilizia	13	60	1113	535
vetro e della ceramica	5	150	410	72
legno	15	12	304	207
o spettacolo	2	-	64	-
e	6	20	81	89
	205	1226,80	6674,50	5679

fatto noto dall'Associazione degli Industriali della Provincia
renze - Il Presidente, C.te Dott. Danilo de Michelli.

n analisi non include tutte le industrie.

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

INDAGINE FABBISOGNO ENERGIA ELETTRICA

compiuta per un gruppo di aziende industriali nella Provincia di Firenze alla data del 28 Febbr

Nominativo della Ditta	Attività svolta	Situazione attuale in Kw.	Quantitativo richiesto giornaliero in Kw.	Attuale riduzione in produzione per mancanza energia elettrica	Quan... sarà ... con... ene...
(1)	(2)	(3)	(4)	(5)	
INDUSTRIA MECCANICA E METALLURGICA					
1) Pignone S.A. - Firenze	Fonderia ghisa	190	230	5%	
2) Officine Galileo - Firenze	meccanica e precis.	50	200	-	
3) Fonderia Veraci - Firenze	fonderia ghisa	5	10	50%	
4) Fonderia delle Cure - Firenze	" "	10	40	30%	
5) Angiolo Silfiani - Firenze	elettromeccanica	72	160	-	
6) Oreste Manni - Firenze	fabbrica motori	30	60	-	
7) Maurizio Ferrero - Firenze	fabbrica bilancie	20	35	50%	
8) S.A. PRIMA - Firenze	macchine automatiche	-	40	50%	
9) Renato Simonti - Firenze	officina meccanica	50	85	-	
10) Mario Dorin - Firenze	costruz.meccaniche	15	30	50%	
11) A.O.F.E. - Firenze	costruz.elettriche	-	40	60%	
12) F.I.A.F. - Firenze	officina riparazioni	-	20	-	
13) Metalleria Toscana -Firenze	fabbrica stoviglie	-	20	-	
14) Arrigo Pecchioli - Firenze	macchine utensili	15	30	60%	
15) Valsadv - Firenze	stampaggio metalli	30	60	80%	
16) S.A.E.M.A. - Firenze	officina meccanica	-	30	-	
17) Vincenzo Benedetti -Firenze	officina meccanica	-	20,5	75%	
18) Oreste Zati & C. - Rifredi	officina meccanica	-	20	-	
19) S.T.I.C.E. - Firenze	cucine economiche	15	20	60%	
20) S.Cittadini - Firenze	elettromeccanica	24	32	40%	
21) Stab.Artistici Fiorentini	fusioni artistiche	20	50	60%	
22) LAFOLA & C.-Filiale-Firenze	officina meccanica	0,5	15	50%	
23) Caporali S.A. - Firenze	offic.elettromecc.	2,5	8	-	

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

INDAGINE FABBISOGNO ENERGIA ELETTRICA

gruppo di aziende industriali nella Provincia di Firenze alla data del 28 febbraio 1945

(1) Ditta	(2) Attività svolta	(3) Situazione attuale in Kw.	(4) Quantitativo richiesto giornaliero in Km.	(5) Attuale riduzione in produzione per mancanza energia elettrica	(6) Numero operai che saranno occupati con l'ulteriore concessione delle energia elettrica
MECCANICA E METALLURGICA					
Firenze	Fonderia ghisa	190	230	60%	-
- Firenze	meccanica e precis.	50	200	-	-
- Firenze	fonderia ghisa	5	10	50%	-
uro - Firenze	" "	10	40	60%	120
- Firenze	elettromeccanica	72	160	-	-
Firenze	fabbrica motori	30	60	-	-
- Firenze	fabbrica bilancie	20	35	30%	-
renze	macchine automatiche	-	40	30%	35
- Firenze	officina meccanica	50	85	-	5
irenze	costruz.meccaniche	15	30	50%	15
irenze	costruz.elettriche	-	40	60%	15
irenze	officine riparazioni	-	20	-	-
ena -Firenze	fabbrica stoviglie	-	20	-	-
i - Firenze	macchine utensili	15	30	60%	5
- Firenze	stampaggio metalli	30	60	60%	50
- Firenze	officina meccanica	-	30	-	50
tti -Firenze	officina meccanica	-	20,5	75%	45
- Rifredi	officina meccanica	-	20	-	-
- Firenze	officine economiche	15	20	60%	-
- Firenze	elettromeccanica	24	32	40%	4
Fiorentini	fusioni artistiche	20	50	60%	25
ule-Firenze	officina meccanica	0,2	15	50%	5
- Firenze	offic.elettromecc.	2,5	8	-	6

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

9) Renato Simonti - Firenze	officina meccanica	50	65	-	
10) Mario Dorin - Firenze	costruz.meccaniche	15	30	50%	
11) A.O.F.S. - Firenze	costruz.elettriche	-	40	80%	
12) F.I.A.T. - Firenze	officina riparazioni	-	20	-	
13) Metalleria Toscana -Firenze	fabbrica stoviglie	-	20	-	
14) Arrigo Pecchioli - Firenze	macchine utensili	15	30	60%	
15) Valsecchi - Firenze	stampaggio metalli	20	60	60%	
16) S.A.M.M.A. - Firenze	officina meccanica	-	33	-	
17) Vincenzo Benedetti -Firenze	officina meccanica	-	20,5	75%	
18) Oreste Nuti & C. - Rifredi	officina meccanica	-	20	-	
19) S.T.I.C.E. - Firenze	cucine economiche	15	20	60%	
20) C.Cittadini - Firenze	elettromeccanica	24	32	40%	
21) Stab.Artistici Fiorentini	fusioni artistiche	20	50	60%	
22) LANCIA & C.-Filiale-Firenze	officina meccanica	0,3	15	50%	
23) Caporali S.A. - Firenze	offic.elettromecc.	2,5	8	-	
24) C.C.M.E.F. - Firenze	costruz.meccaniche	4	8	60%	
25) Estintori Nuti - Firenze	estintori incendi	20	-	-	
26) Renato Convelle - Firenze	fonderia artistica	-	4	-	
27) Guido Tacconi - Firenze	costruz.meccaniche	-	3	-	
28) Giuseppe Bianchi - Firenze	costruz.velocipedi	-	3	-	
29) Off.Mecc.Fiorentina-Firenze	officina meccanica	6	20	65%	
30) Orfanotr.Madonna del Grappe	officina meccanica	-	7	-	
31) Ing. Piccinini - Firenze	fonderia ghisa	5	-	-	
32) C.R.E.S.A. - Firenze	elettromeccanica	-	9	-	
33) C.M.E.F. - Firenze	officina meccanica	-	20	-	
34) Soc.It.Radioelettrica-Firenze	apparecchi radio	-	10	ferma	
35) Corridi Guido - Firenze	elettrotecnica	-	2	50%	
36) Costruzioni Meccaniche di Precisione - Firenze		-	12	-	
37) Off. Biagioni Ugo - Firenze	elettromeccanica	-	7	ferma	
38) Salvadore Salvadori -Firenze	meccanica di precis.	-	10	-	
39) Siniscatti Oliviero - Firenze	nichelatura	-	16	-	
40) S.A. Resisto - Firenze	raccoglitori metallici	-	10	-	
41) Ang.&Arm. Del Taglia-Firenze	stab.meccanico	-	20	-	
42) A. Pettinelli - Firenze	mobili in ferro	-	10	90%	

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

Firenze	officina meccanica	50	85	-	5
renze	costruz.meccaniche	15	30	50%	15
renze	costruz.elettriche	-	40	80%	15
renze	officina riparazioni	-	20	-	-
ze -Firenze	fabbrica stoviglie	-	20	-	-
- Firenze	macchine utensili	15	30	60%	5
- Firenze	stampaggio metalli	30	60	60%	50
- Firenze	officina meccanica	-	30	-	50
i -Firenze	officina meccanica	-	20,5	75%	45
- Rifredi	officina meccanica	-	20	-	-
- Firenze	casine economiche	15	20	60%	-
- Firenze	elettromeccanica	24	32	40%	4
ventini	fusioni artistiche	20	50	60%	25
ale-Firenze	officina meccanica	0,3	15	50%	5
- Firenze	offic.elettromecc.	2,5	8	-	8
- Firenze	costruz.meccaniche	4	8	60%	-
- Firenze	estintori incendi	20	-	-	-
- Firenze	fonderia artistica	-	4	-	20
- Firenze	costruz.meccaniche	-	3	-	30
- Firenze	costruz.velocipedi	-	3	-	15
ina-Firenze	officina meccanica	6	20	65%	8
del Grappo	officina meccanica	-	7	-	18
- Firenze	fonderia ghisa	5	-	-	-
- Firenze	elettromeccanica	-	3	-	-
- Firenze	officina meccanica	-	20	-	25
trica-Firenze	apparecchi radio	-	10	ferma	30
- Firenze	elettrotecnica	-	2	50%	5
meniche di Precisione - Firenze		-	12	-	4
- Firenze	elettromeccanica	-	7	ferma	2
ori -Firenze	meccanica di precis.	-	10	-	-
ero - Firenze	nichelatura	-	16	-	4
- Firenze	raccoglitori metallici	-	10	-	20
aglia-Firenze	stab.meccanico	-	20	-	30
- Firenze	mobili in ferro	-	10	90%	5

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

(1)	(2)	(3)	(4)	(5)
(segue industria meccanica e metallurgica)				
43) O. Vannini - Firenze	carrozzeria aut.	-	20	60%
44) O.R.I.A. - Firenze	riparaz. auto	-	30	-
45) Fratelli Biondi - Firenze	metalli artistici	-	2	80%
46) Spadini & Bongi - Firenze	ottica	-	1	ferma
47) Cammelli Francesco -Sesto F.	elettromeccanica	-	6	ferma
48) Cesare Vespignani - Firenze	ottica	-	1	-
49) Bini Mario - Firenze	officina meccanica	-	1	-
50) Giuseppe Michelagnoli -Sigma	fonderia	-	20	ferma
51) Soc.Costruz.Meccaniche Affini - Firenze		5	20	60%
52) Quintilio Vaggelli - Firenze	costruz.grafiche	-	12	ferma
53) Mariotti - Sesto F.	costruz.meccaniche	-	7	ferma
54) Casa di Benv.Cellini-Firenze	officina d'arte	20	-	-
55) Galvano Elettrica Fiorentina		-	6	ferma
56) Bagnoli Antonio - S.Casciano	officina meccanica	-	4	-
57) G.Lippi - Firenze	officina meccanica	-	12	ferma
58) L. Ciolli & Figlio -Compiobbi	pesi e misure	-	10	ferma
59) I.M.M.A.Ugolini - Firenze	macchine alimentari	-	37	ferma
60) Puliti e Schreyer - Firenze	argenteria	-	3	-
61) Leopoldo Rafanelli- Firenze	argenteria	-	8	-
62) Guido Zipoli - Firenze	argenteria	-	8	-
63) Fratelli Paoli - Firenze	argenteria	-	7	-
64) Binazzi Edoardo - Firenze	doratura	-	7	80%
		608,80	1645,50	

INDUSTRIA DELL'ABBIGLIAMENTO IN GENERE

1) Manifatt.Toscana Pellicceric - Firenze		25	100	75%
2) Fratelli Pasi - Lastra a Signa	Cappello	-	60	ferma

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

(2)	(3)	(4)	(5)	(6)
meccaniche e metallurgiche)				
- Firenze carrozzerie aut.	-	20	60%	2
- Firenze riparaz. auto	-	30	-	-
- Firenze metalli artistici	-	2	80%	13
- Firenze ottica	-	1	ferma	3
op -Sesto F. elettromeccanica	-	6	ferma	11
i - Firenze ottica	-	1	-	-
- Firenze officina meccanica	-	1	-	-
gnoli -Si gna fonderia	-	20	ferma	15
aniche Affini - Firenze	5	20	60%	20
li - Firenze costruz.grafiche	-	12	ferma	10
- Sesto F. costruz.meccaniche	-	7	ferma	4
lini-Firenze officina d'arte	20	-	-	-
a Fiorentina	-	6	ferma	2
- S.Jacopino officina meccanica	-	4	-	-
- Firenze officina meccanica	-	12	ferma	15
do -Compiobbi pesi e misure	-	10	ferma	8
- Firenze macchine alimentari	-	37	ferma	12
r - Firenze argenteria	-	3	-	-
li- Firenze argenteria	-	8	-	-
- Firenze argenteria	-	8	-	-
- Firenze argenteria	-	7	-	-
- Firenze doratura	-	7	80%	3
	608,80	1645,50		716
ABBIGLIAMENTO IN GENERE				
Pelliccerie - Firenze	25	100	75%	300
Lastra a Signa Cappello	-	60	ferma	30

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

61) Leopoldo Rafanelli-	Firenze	argenteria	-	8	-
62) Guido Zipoli	- Firenze	argenteria	-	8	-
63) Fratelli Paoli	- Firenze	argenteria	-	7	-
64) Binazzi Edoardo	- Firenze	dorratura	-	7	80%
			608,80	1645,50	

INDUSTRIA DELL'ABBIGLIAMENTO IN GENERE

1) Manifatt.Toscana Pelliccerie	- Firenze		25	100	75%
2) Fratelli Pasi	- Lastra a Signa	Cappello	-	60	ferma
3) G. Passigli	- Firenze	Calzificio	-	20	ferma
4) Giulio Corti & F/lli	- Signa	Cappello	-	21	ferma
5) Tanoi	- Firenze	Calzificio	-	40	ferma
6) Adele Alazzi Fantechi-	Firenze	confezioni	-	20	50%
7) Fratelli Andrei-	Lastra aSigna	cappello	-	50	60%
8) Weber	- Firenze	cappello	-	3	90%
9) G. Palloni	- Firenze	confezioni	-	4	60%
10) G. Calvelli	- Firenze	confezioni	-	7	-
11) S.A.Industria Filati	- Firenze	filati	-	40	ferma
12) Ugo Ballerini -	S.Piero a Ponti	cappello	-	20	ferma
13) S.A.Calzaturificio	Firenze		-	10	ferma
14) Ernesto Corti & Figli-	Firenze	arredamento	-	10	50%
15) Inducapp	- Firenze	cappello	-	20	ferma
16) Marzocco	- Firenze	calzaturificio	-	50	95%
17) Florentia	- Firenze	calzaturificio	-	3	50%
18) S.A.Enrico Taccetti-	Lastra a S.	cappello	-	15	ferma
19) Fausti & Marini	- Firenze	pelletteria	-	3	ferma
20) Amedeo Pandolfini-	Firenze	conceria	-	8	-
21) Maltagliati & Figli -	Firenze	confezioni	-	25	30%
22) Bruggisser	- Firenze	cappello	-	10	ferma
23) Filippo Maria Bazzanti-	Firenze	cappello	-	8	-
24) Stab.Valli & C.	- Firenze	confezioni	-	15	ferma

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

- Firenze	argenteria	-	6	-	-
- Firenze	argenteria	-	8	-	-
- Firenze	argenteria	-	7	-	-
- Firenze	doratura	-	7	80%	3
		608,80	1645,50		716

ABBIGLIAMENTO IN GENERE

Pelliccerie - Firenze		25	100	75%	300
astra a Signa	Cappello	-	60	ferma	30
irenze	Calzificio	-	20	ferma	150
lli - Signa	Cappello	-	21	ferma	110
- Firenze	Calzificio	-	40	ferma	140
echi-Firenze	confezioni	-	20	50%	60
Lastra aSigna	cappello	-	50	60%	50
Firenze	cappello	-	3	90%	3
Firenze	confezioni	-	4	60%	10
Firense	confezioni	-	7	-	16
ati - Firenze	fileti	-	40	ferma	30
Piero a Ponti	cappello	-	20	ferma	30
o Firenze		-	10	ferma	45
igli-Firenze	arredamento	-	10	50%	21
Firense	cappello	-	20	ferma	13
Firenze	calzaturificio	-	50	95%	75
Firense	calzaturificio	-	3	50%	40
ti-Lastra a S.	cappello	-	15	ferma	-
- Firenze	pelletteria	-	3	ferma	50
- Firenze	conceria	-	8	-	-
gli -Firenze	confezioni	-	25	80%	5
- Firenze	cappello	-	10	ferma	10
anti-Firenze	cappello	-	8	-	-
- Firense	confezioni	-	15	ferma	20

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

(1)	(2)	(3)	(4)	(5)
(segue industria dell'abbigliamento in genere)				
25) Marzocco - Firenze	berrettificio	-	3	ferma
26) Lavoraz.Ital.Biancheria Affini - Firenze		-	13	ferma
27) S.T.I.F.A. - Firenze	pelletteria	-	5	-
28) S.A.Giannozzi - Firenze	conceria	20	40	80%
29) Alfredo Nardini - Firenze	maglificio	-	10	ferma
30) Fabbrica Ital. Maglierie - Firenze		-	10	80%
31) Ovattificio Toscano S.A.- Firenze		-	56	-
32) Egiziano Pandolfini - Firenze	maglificio	-	7	60%
33) A.L.B.A. - Firenze	biancheria	-	2	-
34) Torcitura Toscana - Firenze	torcitura	-	5	60%
35) Calzificio Impero - Firenze		-	40	-
36) S.A. Careve - Firenze	maglificio	-	20	ferma
37) Edoardo Gallo - Firenze	conceria	-	23	-
38) Renato Conti - Sesto F.	stringhe	-	10	ferma
39) Nello Guarducci - Firenze	conceria	10	30	70%
40) Pastacaldi Lemmo - Firenze	ovattificio	-	350	ferma
41) Annina Vignoli - Firenze	tintoria	-	2	-
42) Crosti & Gualandi - Firenze	tintoria	-	8	-
43) Guido Bemporad - Firenze	tintoria	-	50	90%
44) Manetti Angiolo - Firenze	calzaturificio	-	20	25%
45) Galli Bruno - Firenze	conceria	-	8	80%
46) Motta Angelo - Firenze	maglificio	-	4	50%
47) Mario Chiti - Firenze	tintoria	-	5	50%
48) S.T.I.G.A. - Firenze	calzaturificio	-	10	70%
49) S.A.Egisto Guidarelli-Firenze	pelletteria	-	40	50%
50) Marchi Bignani Virginia-Firenze	ricami	-	1	ferma
51) Massabni Bross & Saba -Firenze	ricami	-	2	ferma
52) E. Giovannozzi - Firenze	confez.camicie	-	5	ferma
		55	1241	

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

(2)		(3)	(4)	(5)	(6)
ll'abbigliamento in genere)					
Firenze	berrettificio	-	3	forma	30
oheria Affini - Firenze		-	15	ferma	11
Firenze	pelletteria	-	5	-	-
Firenze	conceria	20	40	80%	-
Firenze	maglificio	-	10	ferma	30
glierie - Firenze		-	10	80%	30
no S.A.- Firenze		-	56	-	-
ni - Firenze	maglificio	-	7	60%	20
- Firenze	biancheria	-	2	-	-
- Firenze	torcitura	-	5	60%	4
- Firenze		-	40	-	-
- Firenze	maglificio	-	20	ferma	170
- Firenze	conceria	-	23	-	-
sto F.	stringhe	-	10	ferma	6
Firenze	conceria	10	30	70%	10
- Firenze	ovattificio	-	350	ferma	60
Firenze	tintoria	-	2	-	-
- Firenze	tintoria	-	8	-	10
- Firenze	tintoria	-	50	90%	20
- Firenze	calzaturificio	-	20	25%	40
- Firenze	conceria	-	8	80%	10
- Firenze	maglificio	-	4	50%	30
- Firenze	tintoria	-	5	50%	15
- Firenze	calzaturificio	-	10	70%	11
lli-Firenze	pelletteria	-	40	50%	30
rginia-Firenze	ricami	-	1	ferma	2
Saba -Firenze	ricami	-	2	ferma	5
- Firenze	confez.camicie	-	5	ferma	24
		55	1241		1776

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

44) Mannelli Angelo	- Barbano	calzaturificio	-	20	20%
45) Galli Bruno	- Firenze	concerie	-	8	80%
46) Motta Angelo	- Firenze	maglificio	-	4	50%
47) Mario Chiti	- Firenze	tintoria	-	5	50%
48) S.T.I.G.A.	- Firenze	calzaturificio	-	10	70%
49) S.A.Egisto Guidarelli-Firenze		pelletteria	-	40	50%
50) Marchi Bigmani Virginia-Firenze		ricami	-	1	ferma
51) Massabni Bross & Sabe -Firenze		ricami	-	2	ferma
52) R. Giovannozzi - Firenze		confez.camicie	-	5	ferma
			55	1241	

INDUSTRIA DEL GAS

1) Società Toscana Gas - Firenze			250	350	40%

INDUSTRIA DEGLI AUTOTRASPORTI

1) Società Trasporti Urbani - Firenze			-	70	ferma
2) S.I.T.A.	- Firenze	trasporti	5	10	80%
3) S.A.I.R.A.	- Firenze	trasporti	-	25	50%
			5	105	

INDUSTRIA MOLITORIA E DELLA PASTIFICAZIONE

1) Luigi Zangheri	- Galluzzo	pastificio	5	30	ferma
2) Borgioli & Figli -	Signa	molino	-	15	ferma
3) Carlo Meriggi	- Certaldo	molino	18	40	40%
			23	85	

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

Firenze	[illegible]	-	20	[illegible]	[illegible]
Firenze	concerie	-	8	80%	10
Firenze	maglificio	-	4	50%	30
Firenze	tintoria	-	5	50%	15
Firenze	calzaturificio	-	10	70%	11
lli-Firenze	pelletteria	-	40	50%	30
ania-Firenze	ricami	-	1	ferma	2
ba -Firenze	ricami	-	2	ferma	5
- Firenze	confez.camicie	-	5	ferma	24
		55	1241		1776
- Firenze		250	350	40%	-

OTRASPORTI

rbani - Firenze		-	70	ferma	900
nze	trasporti	5	10	50%	-
nze	trasporti	-	25	50%	40
		5	105		940

S DELLA PASTIFICAZIONE

Gallazzo	pastificio	5	30	ferma	25
Signa	molino	-	15	ferma	4
Certaldo	molino	18	40	10%	4
		23	85		33

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

(1)	(2)	(3)	(4)	(5)
INDUSTRIA CHIMICA				
1) Società Toscana Acoto - Figline	Prodotti chimici	-	50	forma
2) Colorificio Romer - Firenze	colorificio	8	12	50%
3) Montecatini S.A. - Firenze	prodotti chimici	-	10	ferma
4) Aguzzi & Benedetti - Firenze	farmacogena	-	5	50%
5) E. Ragionieri - Sesto F/no	farmacogeno	3	12	-
6) Pietro Rossi - Firenze	coloranti	-	34	80%
7) Alighiero Campiatrini -Sesto F.	saponi	-	40	80%
8) Raffaello Paoletti- Sesto F.	saponi	-	20	-
9) Tommaso & Ottavio Del Conte-Fir.	saponi	-	4	-
10) Fratelli Bargioni-Firenze	saponi	-	5	ferma
		11	192	
INDUSTRIA GRAFICA				
1) Stab.Ind.Toscano e Cartiera Cini - Firenze		-	d. 400	-
2) Vallecchi - Firenze	editore	-	d. 8	40%
3) Soc.Armando Paoletti- Firenze	tipografia	-	40	50%
4) Casa Editrice Marzocco- "	editore	10	90	60%
5) Costa & Guerrini - Firenze	zincotipia	-	4	80%
6) Stab.Ind.Cartotecnico Castello - Firenze		-	30	ferma
7) La Fiorentina - Firenze	scatolificio	-	50	80%
8) Bruno Sernesi - Firenze	scatolificio	-	10	50%
9) G. & P. Mignani - Firenze	tipografia	-	4	ferma
10) Alinari & Figli - Firenze	editori	-	10	ferma
11) Concetti - Firenze	tipografia	-	15	ferma
12) Stab. Tipografico Fiorentino - Firenze		-	15	60%
13) Fratelli Alinari - Firenze	tipografia	-	6	70%
14) Azienda Valgiusti - Firenze	grafica	-	30	-
15) Roberto Capecchi - Firenze	scatolificio	-	12	40%
16) G. Filippini - Firenze	grafica	-	4	ferma
17) Arti Grafiche Alinari Bagliani - Firenze		-	20	80%

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

(2)		(3)	(4)	(5)	(6)
OA					
Aspto - Figline	Prodotti chimici	-	50	ferma	60
c - Firenze	colorificio	8	12	50%	25
- Firenze	prodotti chimici	-	10	ferma	12
ti - Firenze	farmacogena	-	5	50%	11
Sesto F/no	farmacogeno	3	12	-	-
Firenze	coloranti	-	34	80%	100
rini -Sesto F.	saponi	-	40	80%	20
i- Sesto F.	saponi	-	20	-	10
Del Conte-Fir.	saponi	-	4	-	-
i-Firenze	Saponi	-	5	ferma	6
		11	192		244
i					
e Cartiera Cini - Firenze		-	d. 400	-	200
ze	editore	-	d. 8	40%	100
tti- Firenze	tipografia	-	40	30%	32
acco- "	editore	10	90	60%	140
- Firenze	zincotipia	-	4	80%	12
nico Castello - Firenze		-	30	ferma	100
irenze	scatolificio	-	50	80%	50
irenze	scatolificio	-	10	50%	20
Firenze	tipografia	-	4	ferma	10
Firenze	editori	-	10	ferma	6
	tipografia	-	15	ferma	9
Fiorentino - Firenze		-	13	60%	3
- Firenze	tipografia	-	6	70%	30
- Firenze	grafica	-	30	-	-
- Firenze	scatolificio	-	12	40%	18
- Firenze	grafica	-	4	ferma	9
ari Baglioni - Firenze		-	20	80%	50 interni 100 esterni

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

8) Bruno Sernesi - Firenze	scatolificio	-	10	50%
9) G. & P. Mignani - Firenze	tipografia	-	4	ferma
10) Linari & Figli - Firenze	editori	-	10	ferma
11) Cenacetti - Firenze	tipografia	-	15	ferma
12) Stab. Tipografico Fiorentino - Firenze		-	13	60%
13) Fratelli Alinari - Firenze	tipografia	-	6	70%
14) Azienda Valgiusti - Firenze	grafica	-	30	-
15) Roberto Capecchi - Firenze	scatolificio	-	12	40%
16) G. Filippini - Firenze	grafica	-	4	ferma
17) Arti Grafiche Alinari Baglioni - Firenze		-	20	80%
18) Stab.Tip.Chiari - Firenze	tipografia	8	12	-
19) Litografia Fiorentina - Firenze		-	7	40%
20) Alfredo Sernesi - Firenze	scatolificio	-	10	ferma
21) Masseranghi - Firenze	legatoria	4	7	30%
22) Mario Meriggi - Firenze	litolitografia	-	10	ferma
23) Fedini & Figlio - Firenze	litografia	-	10	80%
24) Collegio di S.Bonavent.-Quarati	tipografia	-	3	ferma
		22	805	

INDUSTRIE AGRICOLE ALIMENTARI

1) Soc.An.G.Arrigoni - Sesto F.no	Conserve	-	100	80%
2) Soc. Rousseau - Ponte a Elsa	surrogati caffè	-	7	ferma
3) Mercantile - Firenze	gen.alim.vari	10	35	70%
4) Lab.Enotecnico Caroglio-Firenze	vino	-	3	-
5) Ugolini Gastone - Firenze	dolciaria	-	32	ferma
6) Gensini Ferrero - Sesto F.no	biscotti e caramelle	-	2	-
		10	179	

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

nze	scatolificio	-	10	50%	20
irenze	tipografia	-	4	ferma	10
irenze	editori	-	10	ferma	6
	tipografia	-	15	ferma	9
orentino - Firenze		-	13	60%	5
irenze	tipografia	-	6	70%	30
Firenze	grafica	-	30	-	-
Firenze	scatolificio	-	12	40%	18
Firenze	grafica	-	4	ferma	5
Bagioni - Firenze		-	20	80%	50 interni 100 esterni
renze	tipografia	8	12	-	8
- Firenze		-	7	40%	17
irenze	scatolificio	-	10	ferma	20
irenze	legatoria	4	7	30%	5
irense	litolitografia	-	10	ferma	6
irenze	litografia	-	10	80%	6
nt.-Quarati	tipografia	-	2	ferma	7
		22	805		954

ALIMENTARI

Sesto F.no	conserve	-	100	80%	60
a Elsa	surrogati caffè	-	7	ferma	30
nze	gen.alim.vari	10	35	70%	7
io-Firenze	vino	-	9	-	8
enze	dolciaria	-	32	ferma	7
to F.no	biscotti e caramelle	-	2	-	-
		10	179		112

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

(1)	(2)	(3)	(4)	(5)
INDUSTRIE DEI LATERIZI, CALCE, CEMENTO, MINIERE, EDILIZIA				
1) I.N.C.I.S.A. - Firenze	cementi	20	300	terna
2) Italcementi - Indisa Valdarno	cementi	-	100	40%
3) Fornaci di Granaiolo -Granaiolo	laterizi	5	65	60%
4) Carlo Sannini - Impruneta	laterizi	-	30	50%
5) Miniera di Gallicano - Gallicano	lignniti	-	30	-
6) Antonio Brunori -Borgo S.Lorenzo	laterizi	-	120	-
7) M.E.S.A. - Firenze	laterizi	-	30	terna
8) Soc.Ind.Mineraria Estrazione Lignniti - Vinci		6	8	40%
9) S.A.Pecchioli -Molin del Piano	calce-cemento	-	50	terna
10) S.A.Fornaci di S.Giusto-Scandicci	laterizi	-	60	terna
11) Fornaci Michelagnoli - Signa	laterizi	-	20	terna
12) Impresa Guido Luder - Firenze	edilizia	24	-	-
13) Soc.An.Costruzioni Laterizi e Imprese - Empoli		5	300	90%
		60	1113	
INDUSTRIA DEL VETRO E DELLA CERAMICA				
1) S.A.I.V.O. - Firenze	vetro d'ottica	60	240	80%
2) V.I.S. - Firenze	vetro sicurezza	10	20	40%
3) Ottorino Del Vivo - Sesto F.	ceramica	-	20	80%
4) Zaccagnini - Firenze	ceramica	60	70	30%
5) Egisto Fantechi - Sesto F.	ceramica	-	60	30%
		150	410	
INDUSTRIA DEL LEGNO				
[illegible]	[illegible]	-	50	terna

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

(2)		(3)	(4)	(5)	(6)
LATERIZI, CALCE, CEMENTO, MINIERE, EDILIZIA					
Fidrense	cementi	20	300	ferma	100
Colsa Valdarno	cementi	-	100	40%	50
Colo -Gramaiolo	laterizi	5	65	60%	60
Impruneta	laterizi	-	30	50%	45
no - Galliano	ligniti	-	30	-	-
Borgo S.Lorenzo	laterizi	-	120	-	-
Firenze	laterizi	-	30	ferma	30
Estrazione Ligniti - Vinci		6	8	40%	30
Pin del Pino	calce-cemento	-	50	ferma	20
Cinato-Scandicci	laterizi	-	60	ferma	20
Poli - Signa	laterizi	-	20	ferma	30
er - Firenze	edilizia	24	-	-	-
Laterizi e Imprese - Empoli		5	300	90%	150
		60	1113		535
VETRO E DELLA CERAMICA					
ze	vetro d'ottica	80	240	80%	-
ze	vetro sicurezza	10	20	40%	15
- Sesto F.	ceramica	-	20	80%	40
rme	ceramica	60	70	30%	8
Sesto F.	ceramica	-	60	30%	10
		150	410		73
LEGNO					
		-	80	ferma	5

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

5) Egisto Fantechi - Sesto F.	ceramica	-	60		30%
		150	410		

INDUSTRIA DEL LEGNO

1) Daniele Lapi - Firenze	segheria	-	50	ferma
2) A.I.E.A. - Firenze	segheria	-	10	ferma
3) Emilio Paoli - Firenze	mobilificio	-	2	-
4) Emilio Vigiani & F. - Firenze	mobilificio	5	30	90%
5) Guglielmo Pecorini - Firenze	mobilificio	-	10	40%
6) Arturo Fanciani - Firenze	autocoeria	-	8	60%
7) Fratelli Ferri - Firenze	mobilificio	-	20	40%
8) Ricci & Bacchi - Firenze	segheria	-	70	90%
9) Galletti & Spinelli - Firenze	biliardi	-	5	50%
10) Rangoni Basilio & Figlio-Firenze	falegnameria	5	7	20%
11) Bruno Conti - Firenze	mobilificio	-	13	75%
12) Giulio Parretti - Firenze	segheria	-	35	70%
13) Fratelli Benciati - Firenze	falegnameria	-	6	70%
14) Guarnieri Guarniero - Firenze	mobilificio	2	35	70
15) Orfanotr.Madonna del Grappa - Firenze	falegnameria	-	4	70%
		12	304	

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

- Sesto F.	ceramica	-	60	30%	10
		150	410		73

IENTO

Firenze	segheria	-	50	ferma	5
Firenze	segheria	-	10	ferma	10
Firenze	mobilificio	-	2	-	-
& F. - Firenze	mobilificio	5	30	90%	15
ini - Firenze	mobilificio	-	10	40%	8
- Firenze	astuccerie	-	8	80%	20
- Firenze	mobilificio	-	20	40%	40
- Firenze	segheria	-	70	50%	30
nelli - Firenze	biliardi	-	6	50%	9
& Figlio-Firenze	falegnameria	5	7	20%	4
- Firenze	mobilificio	-	13	75%	15
- Firenze	segheria	-	35	70%	30
uti - Firenze	falegnameria	-	6	70%	10
ndero - Firenze	mobilificio	2	35	70	10
na Del Grappa - Firenze	falegnameria	-	4	70%	7
		12	304		207

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

(1)	(2)	(3)	(4)	(5)
INDUSTRIA DELLO SPETTACOLO				
1) Cinema Modernissimo - Firenze		-	32	-
2) Cinema Aurora - Firenze		-	24	-
3) Cinema Teatro Verdi - Sesto Fiorentino		-	8	-
		-	64	-
INDUSTRIE VARIE				
1) Luigi Salvadori - Firenze	cotone idrofilo	-	d. 16	40%
2) F.I.L.A. - Firenze	lapis e affini	20	40	80%
3) Solgen - Firenze	impermeabilizzanti	-	12	forza
4) Valente Bandini - Firenze	mastici-scagliola	-	10	forza
5) Mora Anselmo - Firenze	pennini	-	1	forza
6) Bruno Luschi - Firenze	pennini e affini	-	2	-
		20	81	-

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

		(2)	(3)	(4)	(5)	(6)
IC SPETTACOLO						
nissimo - Firenze			-	32	-	-
ta - Firenze			-	24	-	-
o Verdi - Sesto Fiorentino			-	8	-	-
			-	64	-	-
IIE						
ori - Firenze		cotone idrofilo	-	16	40%	20
- Firenze		lapis e affini	20	40	80%	-
- Firenze		impermeabilizzanti	-	12	ferma	40
ini - Firenze		mastici-scagliole	-	10	ferma	14
- Firenze		pennini	-	1	ferma	15
- Firenze		pennini o affini	-	2	-	-
			20	81	-	89

RECEIVED
P.W. & U.S.C.A.C.
15 APR 1945 15

April 5th 1945

Trip to Santa Maria and Le Piane
with Eng. Di Bella, Officine Galileo.

At Santa Maria rubbish and débris has been well cleared allowing close inspection of damages, which were much greater than were evident on first inspection of 28th Feb. before plant was cleared. In addition to damage caused by building collapse, alternators were mined in lower half and all alternator frames broken, both exciters wrecked beyond repair and all regulators ruined as well as the cases and two Pelton wheels of the turbine.

The crane has been dismantled and will require a number of castings in addition to replacement or straightening of one girder which they propose to haul out for repair.

A sufficient number of oil circuit breakers, two current transformers and one potential transformer appear to be in fair conditions.

The only ingress to plant from Castiglione de' Pepoli is a very steep and rough trail which Capt. Barnes, C.A.O., proposes to repair, still this and the transportation requirement constitute a major problem. Plant was built in 1910 when materials and machinery were let down hill on skids in snow. Apparently nothing has ever been brought out.

There remains a question of transmitting any power generated here as it formerly was transmitted to Bologna over two 50 KV lines (transformers to be repaired are 5/50 KV). There are no lines near into which 50 KV can be tied and utilization of this 2,000 KW will apparently depend on line repairs and finding a good transformer near Bologna.

Also visited Le Piane, 12 Km below Santa Maria.

Capo centrale is Ferdinando SEVERIN. Station consisted of two 5,000 KW machines mainly used to improve power factor, with necessary switchegear and transformers. Plant is completely destroyed beyond repair, the only piece of apparatus appearing worthy of repair being one 50 KV potential transformer. 15 T hand operated crane with span of 13.9 meters might be used at Santa Maria. Dam and hydraulic works are in good condition except for about 40 feet of penstock where it crosses over highway.

In consideration of the cost, time and transportation

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

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The only ingress to plant from Castiglione de' Pepoli is a very steep and rough trail which Capt. Barnes, C.A.O., proposes to repair, still this and the transportation requirement constitute a major problem. Plant was built in 1910 when materials and machinery were let down hill on skids in snow. Apparently nothing has ever been brought out.

There remains a question of transmitting any power generated here as it formerly was transmitted to Bologna over two 50 KV lines (transformers to be repaired are 5/50 KV). There are no lines near into which 50 KV can be tied and utilization of this 2,000 KW will apparently depend on line repairs and finding a good transformer near Bologna.

Also visited Le Piane, 12 Km below Santa Maria.

Capo centrale is Ferdinando SEVERIN. Station consisted of two 5,000 KW machines mainly used to improve power factor, with necessary switchegear and transformers. Plant is completely destroyed beyond repair, the only piece of apparatus appearing worthy of repair being one 50 KV potential transformer. 15 T hand operated crane with span of 13.9 meters might be used at Santa Maria. Dam and hydraulic works are in good condition except for about 40 feet of penstock where it crosses over highway.

In consideration of the cost, time and transportation requirement to rehabilitate 2,000 KW, and additional cost of transmission lines, it is considered doubtful that Allied Commission should undertake the project.

Albert E. Duran
Capt. S.C.

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

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

42

158/PWU ILVA STEEL WORKS. 1st. IND. S'00/ogR

Budget Sub-Section, Finance Sub-Commission, AC. 12 April 1945

TO: Public Works and Utilities Sub-Commission.

1. Representatives of State Railways have been contacted. They are agreeable but point out that the coal must be allotted by the Coal Division of the Economic Division (Col. Ockey).

2. It is the understanding of the State Railways that Ilva will not be ready for operation until the end of May 1945.

J.R.H. HALL.
Major
Chief Budget Officer.

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P.W. & U. S/C A.C.
13 Apr 1945
158

col Lapperton
ETP 13/4

E.J.K. 15-4-45

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

Budget

HJR/ac

Tel. 317

RECEIVED
29 MAR 1945

INTER OFFICE MEMORANDUM

28 March 1945

Reference : 158/PWU

Subject : ILVA Steel Works Power Plant - Piombino

To : FINANCE SUB-COMMISSION
(Att Major J.R.H. Hall)

From : Public Works and Utilities Sub-Commission

1) - The Ilva Power Plant will be ready to resume operations on approximately the 15th of April. Reconstruction of this project was under the direction of this Sub-Commission. The Ilva Company is not a distributor of power, and the energy generated will be delivered to the Central Italy Grid.

2) - This station is comparatively efficient and it is planned to operated ten hours daily six days a week at an average rate of 3,000 KW. Under these conditions fuel consumption is estimated to be 40 tons per day.

3) - Operation of this plant is a military necessity, and it is requested that its operation be subsidized by the Italian Government to the extent of furnishing the coal without cost to the Company.

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

818

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P.W. & U. S/C A.C.
12 APR 1945 156

6

Unione Esercizi Elettrici

SOCIETÀ PER AZIONI - SEDE IN ROMA
CAPITALE SOCIALE L. 600.000.000

DIREZIONE GENERALE

Roma, 7 Aprile 1945

Via Torino, 117

HEADQUARTERS ALLIED COMMISSION
APO 394
Public Works and Utilities Sub-Commission
- R O M A -

N. 572/ S.P.L. III Prod. Sigla DT/ec

OGGETTO:
Svaso del bacino di Scandarello

In considerazione sia della inattività della centrale di Venamar- tello che della necessità di eseguire urgenti riparazioni alle opere di scarico del bacino in oggetto, Vi preveniamo che salvo Vs/ contrario av viso procederemo al completo svuotamento del bacino stesso nel prossimo mese di luglio. L'epoca è stata scelta sia perchè i lavori di riparazio ne non verranno disturbati dalla sopravvenienza di piena, sia perchè il bacino potrà essere riempito con le piogge autunnali, in modo da poter essere utilizzato quando sarà in funzione il gruppo da 10.000 KVA tra- sferito da Gerosa, mentre la portata di magra del fiume è sufficiente nel periodo estivo al pieno carico del gruppo da 3750 KVA che si trova in avanzata riparazione.-

Unione Esercizi Elettrici
Il Direttore Generale — Un Procuratore

Col Lappen
AUS 13/4

translation attached

affare 795

817

U. P. C. ROMA N. 1547 Telegrammi - UNIEL - Telefoni - 45956 - 45456 - 47771

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

Ministero Lavori Pubblici

Translation by S. Bini

No. 572/832 Prod. DT/ec

Rome 1st April 45

To/ A.C. Headquarters
Public Works - A.M.S./C.
Rome

Subject:
emptying of Scandarello reservoir

Considering the ~~unfeasibility~~ non-operation of Nemamartello Station and the necessity of carrying out urgent repair works to the discharge canal of the mentioned reservoir, We inform you that, excepting contrary orders, we will start emptying the reservoir itself within next July. We have fixed this time because repair works will not be hampered by flooding and the reservoir can be refilled with Autumn rains, in order to be able to utilise it when 10,000 KVH groups carried from Ferola will be in operation, whilst the low water capacity of the river is sufficient during the summer for the breakdown of 3750 KVH groups, which repair is well in hand.

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

Florence, April 9th 1945

RESTRICTED
P.W. & U.
2 Army Gp 158

Note to Lt-Col. Renton.

Power supply to BOLOGNA from Terni through the Valdarno and State Railways grids.

As soon as it will be possible to supply power to Bologna from Terni, through the Valdarno and State Railways grids, may the following suggestions be considered:

a) - Operating at 120 KV one line Terni to Tavarnuzze, and at 60 KV two lines Terno to Castelnuovo dei Sabbioni, and at 30 KV two lines Castelnuovo dei Sabbioni to Tavarnuzze and Prato.

The diagram 1) shows how the connection may be operated until Tavarnuzze, where one 6500 KVA 31/60 KV transformer may increase the tension to 60 KV, to be sent to Bologna on the railway 120 KV line operated at 60.

As shown in our information sheet, we think that it will not be possible to operate at 120 KV the Terni Tavarnuzze line connected on the Rome grid. The transformers ratio do not admit a correct regulation, and the generation tension is submitted to the Rome requirements and may not be regulated according with the northern grid.

b) - We suggest to operate according to our second diagram (suggested) and to energize from Terni at 60 KV.

The Florence, Prato and Bologna supply may be given directly from the generating plant, and the transformers 60/30 located in Castelnuovo dei Sabbioni; Florence and Prato may be connected on the grid according with the requirements of each substation. The three substations of Castelnuovo dei Sabbioni, Tavarnuzze and Prato are also connected through 30 KV transmission lines in order to have sufficient transformers spare capacity.

The distance from Terni to Florence is 180 Km. and from Florence to Bologna 80 Km., but three lines between Terni and Florence may be able to carry out all the power required for the northern grid (Florence - Bologna) during the first period.

In a second period it will be possible to operate at 120 KV also the Florence-Bologna line and to have a special Florence grid from Terni so that the tension on the alternator may be given according with the Florence requirements.

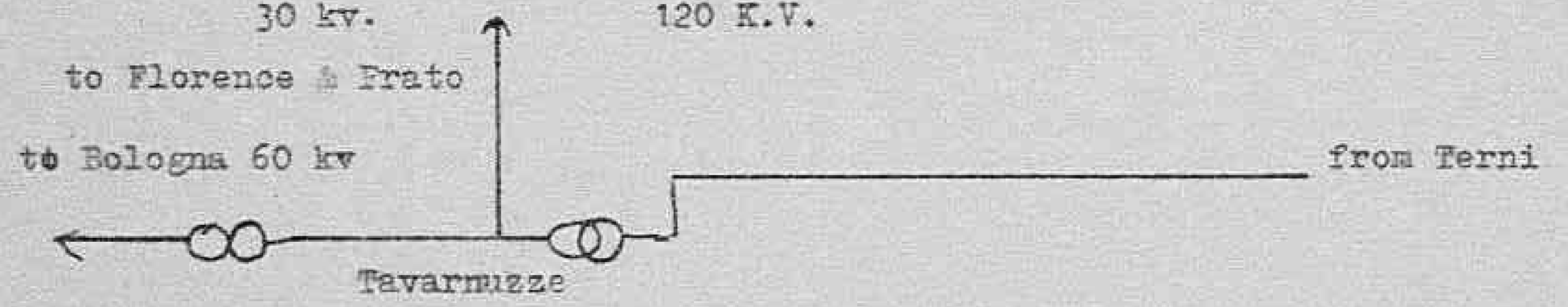
815

attached: transformers schedule - 2 diagrams.

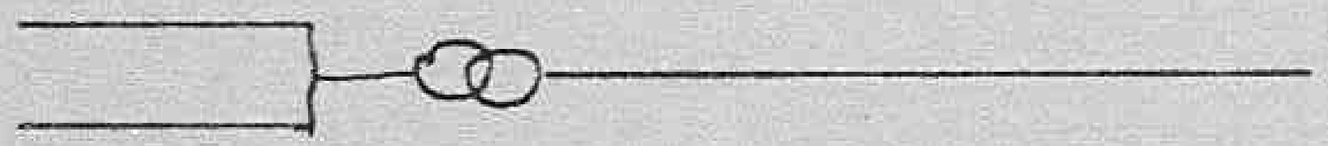
Transformers location	Capacity K V A	Connection	Ratios	present condit. completion date	Remarks
TAVARNUZZE (from Pescia)	6,000	Y/Y	60/28.5-30-31.5	April 20th	Oil drying out to be completed
TAVARNUZZE	20,000	Y/Y	121.6/36-38-40-42-44	April 25th	do
TAVARNUZZE	20,000	Y/Y	do	May 31st	case repaired mountage not yet started
CASTELNUOVO SABBIONI	12,000	Y/Y	60/30	in operation	no taps
CASTELNUOVO SABBIONI	12,000	Y/Y	60/30	ready	—
PRATO	5,500	Y/Y	60/30		

814

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60 K.V.

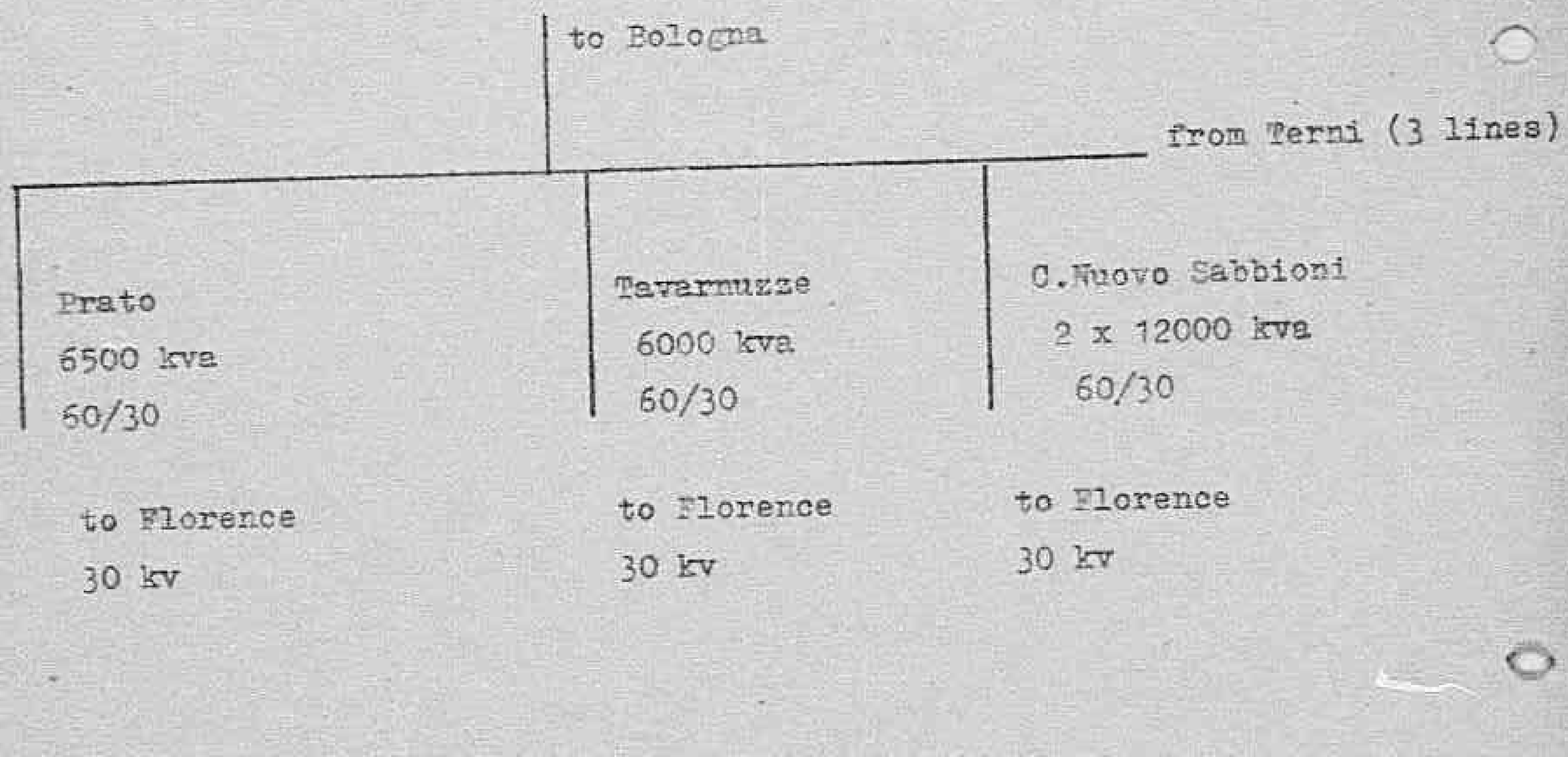


C.Nuovo Sabbioni
2 x 12000 kva
60/30

813

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suggested



812

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

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12 APR 1945 158

Florence, April 7th 1945

4

For information

Bologna Area

Information given from Luigi Vignoli, a "Bolognese" Co. employee now working for the M.R.S. on the 120 KW Rifredi Bolognese line repairs.

1. - The locations on sheet 11 map 1:200,000,are:

MAGLIO	L 8343
CANONICA	L 8844

Both are connected with the S.A.D.E. Bolognese grid through a 15 KV line.

2. - In the area south of Bologna (Reno valley) in addition to the power plants scheduled in our files, the following must be considered:

a) PIOPPE DI SALVARO — location L 7528
Bolognese Co. — flow 6 cu m
head 4 m
Plant — 1 asynchronous gener. 275 KW
1 generator 30 KW
Hz 42

The power available in high summer is reduced to 20 KW - in may 100 KW. The plant is destroyed.

The plant operates also as substation on the 50 KV Santa Maria - Battiforo lines - through 2 transformers 50/15 1 x 1500 1 x 750 KVA.

b) SERRINI DI VERGATO — location L 7226
Bolognese Co. — flow 6 cu m
head 5.5 m
generators - 1 x 290 KW
1 x 124 KW
Hz 42

Connected to the grid on the 15 KV line Pioppe - Porrette.

The BUILDING has been destroyed, mining the walls but the units have not been mined. They have been damaged when the building collapsed.

811

location L 0760

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

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CANONICA L 8844

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head 5.5 m
generators - 1 x 290 KW
1 x 124 KW
Hz 42

Connected to the grid on the 15 KV line Pioppe - Porretta.

The ~~plant~~ BUILDING has been destroyed, in mining the wall 811 but the units have not been mined. They have been damaged when the building collapsed.

c) TAVIANO — location L 0760
Bolognese Co. — flow 1.2 cu m
head 5.5 m
generators - 1 x 170 KW
1 x 110 KW
Hz 42

Conngected to the grid on the 5 KV line Ponte della Venturina - Porretta Terme.

The plant has been destroyed.

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d) PIANACCIO — Location L 0950
Bolognese Co. — flow 0.9 cu m
head 7 m
generators - 1 x 54 KW
1 x 23 KW
1 x 11 KW

The plant has been destroyed.

e) PORCHIA (supplies to Bolognese) — Location L 1252
Max Power 60 KW

Connected to the grid on the 5 KV line Porretta to Pianaccio.

3. - Bologna substations.

The Bolognese substations have been located on sheet 11, map 1:200,000 as following:

SANTA VIOLA - State Railway L 5187
BORGO PANIGALE - Edison Co. L 5883
CORTICELLA - Adriatica Co. L 5589
TRE MADONNE - Bolognese Co. L 4983

4. - The Battiferro steam plant was in operating conditions until Dec. 1944 (no information later).

1 turbine
generators unit 1,000 KW
boilers 15 atm pressure.

5. - The Battiferro substation is connected with:

2 x 2 x 50 KV lines to Tre Madonne
1 x 50 KV line to Porto Maggiore
1 x 50 KV line to Ferrara
1 x 50 KV line to Santa Maria (the same line is also connected to Tre Madonne)

and with the Bologna city grid through

12 x 15 KV lines
9 x 3 KV lines.

6. - The Tre Madonne substation is connected at 120 KV with Ponale (Riva di Trento) Edison-Cisalpina and Forlì;

870

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

Connected to the grid of [illegible]
to Pianaccio.

3. - Bologna substations.

The Bolognese substations have been located on sheet 11, map 1:200,000 as following:

SANTA VIOLA - State Railway	L 5187
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1 x 50 KV line to Santa Maria (the same line is also connected to Tre Madonne)

and with the Bologna city grid through

12 x 15 KV lines
9 x 3 KV lines.

6. - The Tre Madonne substation is connected at 120 KV with Ponale (Riva di Trento) Edison-Cisalpina and Forlì; at50 KV with two Battiferro lines, two Santa Maria lines (one bus connected with Pioppe - Battiferro, one direct). at 15 KV and 3 KV on the city grid.

870

The 120/50 KV transformers capacity is 17,000 KVA.

7. - Annexed an approximate map of the Bolognese 15 and 5 KV grid in the Reno valley.

ADVANCED SECTION SIG-C/AM OFFICIAL DATE A.C. ELECTRICAL

[signature]
Colonel [illegible] and the mete[illegible]
on 11 [illegible] 1945.

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

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12 APR 1945 159

Rif. Rapp. 3
Foto stats

Rapp. 16. Lt-Col. Keeton:
Re. 30 K.V. linie Tavarnuzze - Empoli - Pontedera

Ufficiale - Completion date expired 30/1

4 Gangs working on this line.
1. From Tavarnuzze to Empoli
1. From Empoli towards Tavarnuzze.
1. From Empoli to S. CROCE
1. From S. CROCE to PONTEDERA.

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30 K.V. Line Lavorno - Pontedera P.B.S.
Completed to Fornace Zucchi
1. Gang is working towards Pontedera

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30 K.V. Line Pontedera - Altopascio
No work is progressing owing to lack of Transformers.

K.

809 x/45.

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

Società Romana di Elettricità

Per azioni - Sede in Roma - C.C.C. Roma N.

capitale sociale L. 475 [illegible] versato

RECEIVED
P.W. & U. S/C A.C.
10 APR 1945
158

Rome 7th April 7th 1945
VIA POLI 14

Es. N. 793/

To the attention of: The Prefect of Rome
HEAD QUARTERS ALLIED COMMISSION APO 394
Public Works & Utilities Sub-commission
Via Vittorio Veneto-ROMA
Comando Generale dell'Arma dei Reali Carabinieri
H.E. the Questore di Roma
Ministero dei LL.PP. Ispettorato Acque-Gas-Elettr

Undersigned Società Romana di Elettricità located in Rome, Via Poli 14, notifies what follows:

About 2200 this night a group of bandits has suddenly assailed the staff on guard at our electrical Sub-station at Cinecittà, located in an isolated spot on the 10th Km. of the Via Tuscolana.

The masked assailors firstly disarmed by surprise the watchman of the Sub-station and afterwards immobilized him, together with the remaining three workmen on duty, menacing them of death. They subsequently made away with, loading it on a lorry which they had managed to introduce within the enclosure of the Sub-station, a considerable quantity of sundry electrical materials having a relevat value and utmostly needed for the repairs of the war-damaged plants. They have furthermore taken away 45 tins containing each 20 Kg. of lubricant oil and 3 barrels of insulating transformer oil, as weal as an electrical pump belonging to outsiders.

Our dependents managed to free themselves from their fetters immediately after the departure of the bandits ant to run to acquaint the Carabiniere on duty at the Refugee Centre inside the Cinema-city at the same time they related the happenings to the chief of a/m Sub-station, Mr. Gaetano Cristiani, at his own dwelling on the Via Appia 451, who immediately proceeded by phone to denounce the fact to the Comissario di Pubblica Sicurezza of Quadraro, speaking to Maresciallo Grande, who, although he had the avail of some agents and was ready to act immediately, pointed however out that he had not the vehicles needed to reach in time the locality of the Sub-station.

The fact is also to be pointed out that about one and a half

./.

month ago there had taken place at the same Sub-station a most mysterious theft of a considerable quantity of iron plate stored there, and that on March 31st last two unsigned letters were delivered at the Management of our Company,which made known to the same Company that some unknown people intended to effectuate a theft within the next days, with the intention of making a big hit in the aforesaid Sub-station.

On account of these letters the chief of Cinecittà himself was charged by the Management of undersigned Company to contact immediately the local Carabinieri Headquarters,so as to obtain that safety measures were taken on behalf of a/m Sub-station. The Commander of the local Carabinieri Station, Lt. Ambrosi, pointed out firstly the deficiency of the personnel at his avail, he however promised he would do his best to send in some survey-patrols,authorizing at the same time the Sub-station's chief to place on the spot an armed watchman.The bandits however managed to effectuate their intent without any disturbance.

There is certainly no need of further arguments to demonstrate how serious this happening was,which is still more impressing when considering that the staff charged with that particular Sub-station and also with the other ones dislocated at the outskirts of Rome, rightfully alarmed, refuse to be on duty during night-time if expedient protective measures be not adopted.

From the other side we must point out that at Cinecittà Substation very important transportation lines pass through-for instance the H/T. electrical pipeline arriving from Ceprano plant- and that from that Sub-station there go very important lines of supply for users-for instance Italo-Radio- having the utmost importance for war and for national aims.

Undersigned Company thinks it expedient to notify also that the thefts of copper-wire are continually repeating themselves,which is taken from sundry electrical lines not yet in tension,whose repairs are still being effectuated. The quantity of the material thus made away with amounts presently to 90 Tons of copper-wire,to 70 Tons of alluminium-wire and to 12 Tons of telephone-wire,so that the Company has almost exhausted its own warehouse stores,which means a very serious prejudice to the future maintainance of plants at present working ,and for the restoration of the war-damaged ones.

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

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./.

807

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

The denounciations of these thefts have been sent in each time by undersigned Company to the Commissariato di P.S. of Trevi, to the Comando della Compagnia interna Reali Carabinieri in the Piazza in Lucina, to the Comando Generale dell'Arma dei Carabinieri in the Via XXIV Maggio, to the Tenenza dei Reali Carabinieri di Anagni, Colleferro, Ferentino, Guarcino and Civitavecchia, and also to Allied Commission located in the Via Vittorio Veneto.

The necessity is therefore evident of arranging for all those means apt to guarantee in the best way the safety and the regularity of the important service effectuated by undersigned Company, particularly of resuming the permanent armed guard which in the past and ever since the beginning of war has always been kept in all our Company's Substation by Italian Armed Forces' men, and that was continued even during German occupation by German troops themselves, so evident the necessity seemed of an adequate protection for plants having such a vital importance.

The electrical Sub-station needing an efficient protection by Armed Forces are the following ones:

Cinecittà Sub-Station- Via Tuscolana -Km 10
Magliana " " - Via della Magliana transversal to Fosse Papa Leone
Tor di Quinto " " -Viale del Lazio
Tiburtina " " - By Scalo Tiburtino
Monte Mario " " - Via Angelo Emo
Tor Pignattara" " - Via Angelo Berardi

It is also indispensable that expedient survey-patrols be constitued for our electrical and telephone lines, in order to prevent the repeated thefts of electrical and telephonic conductors, already signalled, after more precise agreements which may be made and for which we are at your disposal.

Undersigned Company confides that the Superior Authorities concerned with the regularity of the electrical energy production and distribution service will dispose, by common accord, the timely actuation of the urgent and indispensable measures required and imposed by the actual situation; by all means it must point out that in the case this was not to take place, it might no more be in a position of vouchsafing for the regularity of the service.

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

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806

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

Società Romana di Elettricità 2A

Per azioni - Sede in Roma - C.C.C. Roma N. 3217
capitale sociale L. 47.500.000 versato

Roma (6) li 7 aprile 1945
VIA POLI, 14

Es. N. 783/191

A S.E. Il Prefetto di Roma
p.c. HEADQUARTERS ALLIED COMMISSION
APO 394
Public Works and Utilities Sub Commission
Via Vittorio Veneto - Roma
p.c. Comando Generale dell'Arma dei Reali Carabinieri
" A S.E. Il Questore di Roma
" Ministero LL.PP. - Ispettorato Acque-Gas-Elettr.

La sottoscritta Società Romana di Elettricità soc. per azioni con sede in Roma a Via Poli I4, espone quanto segue :
Verso le ore 22 di questa notte un gruppo di banditi ha improvvisamente assalito il personale di guardia nella n/ Sottostazione elettrica di Cinecittà posta in località isolata sulla via Tuscolana al km. IO.
Gli aggressori - bendati - hanno anzitutto disarmato di sorpresa il guardiano della Sottostazione stessa e lo hanno poi immobilizzato insieme agli altri tre operai in servizio sotto minaccia di morte.

Successivamente hanno asportato - caricandolo su di un camion che era stato fatto penetrare nel recinto della Sottostazione - notevoli quantità di materiale elettrico vario di valore rilevante e oltremodo necessario per la riparazione degli impianti danneggiati dalla guerra. Inoltre hanno asportato n. 45 latte da 20 kg. ciascuna di olio lubrificante e n.3 fusti di olio isolante per trasformatori, nonchè una elettropompa di proprietà di terzi.

I n/ dipendenti, riusciti a liberarsi dai legami, subito dopo la partenza dei banditi, correvano ad avvertire il carabiniere di servizio presso il centro profughi situato entro la Città cinematografica e rendevano in pari tempo edotto dell'accaduto il capo della Sottostazione anzidetta sig. Gaetano Cristiani - che si trovava presso la propria abitazione in Via Appia n. 45I - il quale provvedeva immediatamente a denunciare il fatto, a mezzo del telefono, al Commissariato di Pubblica Sicurezza del Quadraro, parlando con il Maresciallo Grande, il quale, pur avendo agenti a disposizione e dimostrandosi disposto ad agire con immediatezza, faceva tuttavia presente di non avere i mezzi necessari per raggiungere tempestivamente la località ove trovasi la Sottostazione.

E' da tener presente, peraltro, che circa un mese e mezzo fa era avvenuto, in quella sottostazione un misterioso furto di un ingente quantitativo di lamiere di ferro ivi depositate e che il giorno 3I marzo u.s. erano pervenute alla Direzione della n/ Società, due lettere anonime a carattere confidenziale con le quali si avvertiva la Società stessa che una

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

azione delittuosa a scopo di rapina sarebbe stata intrapresa nei prossimi giorni da ignoti i quali miravano ad effettuare un grosso colpo nella sottostazione su indicata.

A seguito di tali lettere lo stesso Capo della Sottostazione di Cinecittà fu incaricato dalla Direzione della Società sottoscritta di prendere immediato contatto con il locale comando dell'arma dei carabinieri, onde ottenere l'adozione di misure di sicurezza nei riguardi della Sottostazione di che trattasi.

Il Comandante della locale stazione dei Carabinieri, Ten. Ambrosi, tenne a far presente anzitutto la deficienza del personale che egli aveva a disposizione, ma promise che avrebbe fatto il possibile per disporre delle pattuglie di sorveglianza, autorizzando intanto il Capo della Sottostazione a mettere un guardiano armato. Tuttavia i banditi hanno potuto mandare ad effetto i loro propositi senza alcun disturbo.

Non vi è certo bisogno di colorite argomentazioni per dimostrare la gravità dell'accaduto che appare tanto più impressionante quando si consideri che il personale addetto a quella Sottostazione e a quelle altre che si trovano dislocate nella periferia di Roma, messo giustamente in allarme, si rifiuta di prestare servizio nelle ore notturne se non vengono adottate misure adeguate di protezione.

E' d'altra parte da porre in rilievo che alla Sottostazione di Cinecittà fanno capo importantissime linee di trasporto, tra cui l'elettrodotto ad A.T. che proviene dagli impianti di Ceprano e dalla Sottostazione stessa si dipartono importantissime linee che alimentano utenze - tra le quali quella dell'Italo Radio - che hanno somma importanza ai fini bellici e nazionali.

La scrivente trova opportuno segnalare inoltre che continuano a ripetersi furti di filo di rame che viene asportato dalle varie linee elettriche ancora in tensione e che si trovano in corso di riparazione. Il quantitativo del materiale così asportato ammonta a tutt'oggi a ben 90 tonn. di filo di rame , a 75 tonn. di filo di alluminio e a 12 tonn. di filo telefonico e la Società conseguentemente ha pressochè esaurito le sue scorte di magazzino con pregiudizio gravissimo per la buona manutenzione degli impianti attualmente in funzione e per il ripristino di quelli danneggiati dalla guerra.

Le denuncie di tali furti sono state presentate di volta in volta, dalla Società scrivente al Commissariato di P.S. di Trevi, al Comando della Compagnia interna dei Reali Carabinieri in Piazza in Lucina, al Comando generale dell'arma dei Carabinieri in Via XXIV Maggio, alla tenenza dei Reali Carabinieri di Anagni, di Colleferro, Ferentino, Guarcino e Civitavecchia ed inoltre anche alla Commissione Alleata con sede in Via Vittorio Veneto.

E' pertanto evidente la necessità che siano sollecitamente disposte tutte quelle misure atte a garantire nel miglior modo la sicurezza e la regolarità dell'importante servizio disimpegnato dalla Società sottoscritta, ripristinando, in particolr modo, la guardia armata permanente che, per il passato e fin dall'inizio della guerra fu sempre effettuata, in tutte le Sottostazioni della n/ Società, da presidi delle forze armate italiane e che fu continuata persino durante l'occupazione tedesca dalle stesse truppe tedesche, tanto apparve sempre evidente la necessità di un'adeguata protezione d'impianti di così vitale importanza.

804/.

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

Le sottostazioni elettriche che hanno necessità di un'efficiente protezione ed opera delle forze armate sono le seguenti : Sott. Cinecittà - Via Tuscolana km. IO ; Sott. Magliana - Via della Magliana Traversa fosse Papa Leone ; Sott. Tor di Quinto - Viale del Lazio ; Sott. Tiburtina presso Scalo Tiburtino ; Sott. Monte Mario - Via Angelo Emo ; Sott. Tor Pignattara - Via Angelo Berardi.

E' inoltre indispensabile che vengano costituite opportune pattuglie di sorveglianza delle n/ linee elettriche e telefoniche per impedire il ripetersi dei furti dei conduttori elettrici e telefonici già segnalati, secondo più precisi accordi che potranno essere presi e per i quali ci teniamo a disposizione.

La Società scrivente confida che le superiori autorità interessate alla regolarità del servizio della produzione e della distribuzione dell'energia elettrica, dispongano in concorde intesa, l'attuazione tempestiva degli urgenti e indispensabili provvedimenti richiesti e imposti dall'attuale situazione ; deve fare, ad ogni modo, presente che, nel caso ciò non avvenisse, essa non potrebbe più essere chiamata a rispondere della regolarità del servizio.

SOCIETÀ ROMANA DI ELETTRICITÀ
DIREZIONE GENERALE

V.SL.

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HEADQUARTERS ALLIED COMMISSION
APO 394
INDUSTRY SUB-COMMISSION

Tel: 559

AFR/co

Ref:Mines-700.3

6 April 1945

SUBJECT: 30,000 Volt power line to Cabernardi sulphur mine

TO : Public Works & Utilities Sub-Commission, HQ. AC.

1. The Cabernardi sulphur mine, now under maintenance, could enter the production stage by the end of June 1945.

2. The mine drew operational power from the U.N.E.S. 30,000 Volt grid. It is understood that the particular line concerned, from Fabriano, is not in the immediate repair programme, on the other hand it is assumed that the line will be repaired by the time it is possible to activate it.

3. This Sub-Commission would be glad to have your estimate of the time which will elapse before operational power for this mine can be transmitted over this line. It is realised that a firm date cannot be given at this juncture but a rough guide would be appreciated in order that the mining company can plan for the future.

4. The mine is the largest potential individual producer in Italy. It can produce 1,200 tons of crude sulphur per month with 800 KW., initial operational needs being 500 KW. Sulphur is in short supply and it is desired that production should start as soon as power is available.

5. If the date of the possible supply of power is far distant the mining company will endeavour to locate and purchase a diesel set in order to permit an output on a reduced scale. At the same time the diesel set might be needed only for a short time in which case the company would not wish to expend the large sum which would be involved nor to acquire a set which might be used advantageously elsewhere.

W. S. VAUGHAN,
Director,
Industry Sub-Commission.

c/c - Economic Section (1)
Reg.Comm., Marche-Umbria Region (1)
C.E. No. 1 District (1)
Sulphur Control (Major Reeve) (1)
Societa' Montecatini (1)
Float (1)
Files, Mining Division (2)

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MINISTERO DELLE CORPORAZIONI

SERVIZI DELL'INDUSTRIA
DIV. - SEZ.

36-12

Consorzio provinciale tra i produttori
dell'agricoltura di
Foggia

autorizzazione per acquisto macchine
calcolatrici

801

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35-12

Consorzio provinciale tra i produt
tori dell'agricoltura di
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La Precisa, Roma. Ord. 633. 3600

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