

1375

Declassified E.O. 12356 Section 3.3/HND No.

785017

ACC

10000/135/598

1370

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

785017

10000/135/598

SUPPLY OF ELECTRIC POWER
JAN. 1946 - APR. 1947

Minutes of Action

Saturday Dec. 14 - contacted Italian Air Ministry - a conference had been held with S.A.S. on discussion of contract and prices - an agreement had been made and the Italian Air Ministry is willing to begin the project as soon as possible providing that the copper wire is furnished by the American authorities and transportation will be supplied by the Ciampino Airfield.

Monday Dec. 16 - Major Tolliver assured that the copper wire would be supplied by the Americans.

Captain Moore (66215) Engineering officer stated that the American authorities do not have the copper wire to supply the project!!!

Saturday 21 Dec. - Italian Air Ministry have come to final agreement with S.A.S. However, para 2 of ref. letter 56191/4054 Coll. dated 14 December states the wire is supplied by American authorities will remain the property of S.A.S.!!!?? It seems to me that is should remain property of the airfield installation. I shall endeavor to have said clause changed. 4A

Saturday 26 Dec. - A meeting with Major Piccione informed that the copper wire can be obtained if Capt. Moore (RAAF) will put in a proper request.

Saturday 4 Jan. - Capt. Moore expressed surprise at information and will put in another request for enough wire to string up as emergency by his Dept.

Lt. Favaro

4/1/47

M.2.

D. Director.

Please see enclosure 9A(1).

2. If in fact, due to these supply difficulties, the IAF cannot guarantee a regular light flying service then we should try & help. This is entirely an American affair, I think, but he knows how it goes!

3A

Saturday 21 Dec. - Italian Air Ministry have come to final agreement with S.R.E. However, para 2 of Ref. letter 56191/4034 Coll. dated 14 December states the wire is supplied by American authorities will remain the property of S.R.E.!!!!!! It seems to me that is should remain property of the Airfield installation. I shall endeavor to have said clause changed. 4M

Saturday 26 Dec. - A meeting with Major Piccione informed that the copper wire can be obtained of Capt. Moore (RAAC) will put in a proper request.

Saturday 4 Jan. - Capt. Moore expressed surprise at information and will put in another request for enough wire to string up as emergency by his Dept.

Lt Favard
4/1/47

M.2.

D. Director.

Please see enclosure 9A(7).

2. If in fact, due to these supply difficulties, the I.A.F. cannot guarantee a regular regular flying service then we should try & help. This is entirely an American affair, I think, so I leave it to you. Let us know how it goes!

Christie
in I.

785017

From : Italian Air Force
Central Office of Telecommunications and Aircraft Safety

To : Allied Commission

Date : 21st April 1947

Ref. : 222380/640 Cell.

WITHDRAWAL OF RADIO ELECTRICAL MATERIAL

We hereby inform you that one of our representatives has inspected the English radio electrical material at Ciampino. We have decided to accept the material en bloc.

THE INSPECTOR OF TELECOMMUNICATIONS

Seen 26/4/47

1

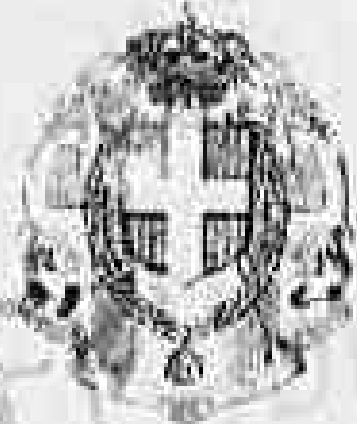
Translated by L.A.C. COSTIGAN

A. 842 28/4/47.
823/3/KNC

Seen. Ch. 25/4

B F to C 50. 5/5.

73



MINISTERO DELL'AERONAVIGAZIONE

Ufficio Centrale delle Telecomunicazioni
e dell'Assistenza del Volo

Distribuzione

Cod. V.

Riposta al f. del

Dir.

OGGETTO

Se.

Allegati

N.

Materiale
radioelettrico.

Roma.

29 APR 1947

COMMISSIONE ALLEATA

Tramite Uff. Collegamento

R.C.A.A.

Si rende noto che un incaricato
dello scrivente è visitato il materia-
le radioelettrico inglese giacente sul
campo di Ciampino. Questo ispettori-
te è venuto nella determinazione di prendere
in ^{conservazione} ~~sequestro~~ in blocco il materiale stes-
so.

L'ISPIETTORE DELLE TELECOMUNICAZIONI

(General M.A. - F. L. L. L.)

1

From : Air Ministry

To : "3601st" Romania - letterhead
(Via Pohl L. Bonn)

Amsterdam Rome

A.F.B.C. A.C. Rome

2/8
(7)

RECEIVED 30591/354 30591. REFERENCE 30593 JANUARY 1954 A DISSEMINATION OF THE PROPOSED CIVIL WAR POWER TRANSMISSION DAILY AT CLIMING AIRPORT WILL TAKE PLACE ON TUESDAY 11TH JANUARY 1954. THE DISSEMINATION WILL BE AT THE POINT FIXED AT THE NORTH ENTRANCE OF CLIMING AIRPORT.

11. JAN. 1954

Translated by L.A.U. MACHINE



FROM : THE AIR MINISTRY
Main Office for Property Control

TO : HQ ROME AREA MILCOMA, APO 794, U.S. ARMY - ROME

DATE : 15TH JUNE 1947

REF : 50125/121 COME

(6)
(7)

(10-46) CIAMPINO AIRFIELD - ELECTRIC
CONNECTION WITH A.T. - ROMAN COMPANY FOR
ELECTRICITY

With reference to letter 56191 dated 14th December 1946 - para 6 - request is made to your Headquarters to send to the Main Office for Property Control your representative to make agreements on the locality for the transformer house which is to be built in the vicinity of the airfield.

/s/ Ing. Santabarbara

Translated by Lydia

A 30
823/3/ENG.

1384



Roma 15 GEN 1946 6A

Ministero dell'Aeronautica

UFFICIO STAMPA E PROPAGANDA

DIREZIONE GENERALE DEL DEMANIO
Divisione Lavori-Sec. Impianti

Prot. N. 50185 Allegato

HEADQUARTERS ROME
AREA - Roma - AIO-
794 - U.S. Army
ROMA
(tramite Ufficio Collegamento
SEDE)

Proposta N. del

OGGETTO: (10-45) = STABILIMENTO AEROPORTO - Allacciamen-
to elettrico ad A.T. - Soc. ROMANA DI ELETTRICITA'

E. PER CONOSCENZA:

ALLA DIREZIONE DEMANIO

SEDE

Con riferimento al foglio 56494 del 14 di-
cembre 1945 - punto 6 - si prega codesto Comando
di inviare presso questa Direzione Generale Demanio
il proprio rappresentante per prendere accordi cir-
ca l'ubicazione della cabina di trasformazione da
costruirsi nelle adiacenze dell'aeroporto.-

IL MAGGIOR GENERALE G.A.
Direttore Generale
(Ing. F. SANTABARBARA)

Paulatubus

Si prega trattare per ogni lettera con solo argomenti e contenuti nelle rispettive
S. S. di Giulio - la Direzione a cui si risponde

UFFICIO STAMPA E PROPAGANDA

5H

(E)

From : Italian Air Force
 Command Directorate of Airports and Buildings,
 1st and Installation Section.

To : U.S.A.C. A.C. Rome

Ref. : 100/117 Oct.

Date : 10th January 1947

Subject: AIRPORTS - BUILDING - INSTALLATION
 SOME AIRPORTS

48

With reference to the letter of 22/10/46, the Italian Air Force is hereby informed that:

1) The Ministry will directly undertake the construction of the building to house the former army for the Italian Air Force.

2) It is necessary to contact the United States Air Force in order to obtain the necessary information for the construction of the building, which is to be completed by 1st January 1947.

The Director General
 100/117 Oct.

by L.A.C. 100/117

Orig II

Will you take over this problem from Lt Favaro.

You should contact O.E. Campore "B+A" to get agreement on the location and then inform the IAF.

Very 31/1

67



1386

54
Mod. 1021
19 A

REPUBBLICA ITALIANA

Ministero dell'Industria

DIREZIONE GENERALE
Divisione Lavori-Ser. Impianti
50.295/147.08

ALLIED FORCES SUP-COMMISSION

ALLIED COMMISSION

ALC - 104 - ROME
(tramite Ufficio Collegamento - Sede)

Disposto al p. 10

OGGETTO: (10-46) = CIAMINO AERODROMO - allacciamento elettrico
cc ad A.T. - Soc. Romana di Eletticità.-

Con riferimento al foglio ATSO/832/3/ENG dell'8
Gennaio 1947 si comunica:

- 1) - Questo Ministero provvederà direttamente alla costruzione del manufatto da edificare a cabina di trasmissione per l'aeroporto di Ciampino.
- 2) - Si conferma la necessità di prendere accordi circa l'ubicazione della cabina con i reparti competenti l'aeroporto di Ciampino, come richiesto nel foglio n. 50129 del 15 gennaio 1947.-

IL DIRETTORE GENERALE F.I.
(Ten. Col. G.A.M.I. - C. TOSCANI)

Chian

DIREZIONE GENERALE
Divisione Lavori-Sed. Impianti
14.1.47 502995

AIC - 704 - ROME
(tramite Ufficio Collegamento -Sede)
Oggetto: CLAMINO - Allacciamento elettrico
ad A.E. - Soc. Romana di Eletticità.

Con riferimento al foglio AFSC/832/3/ENC dell'8
gennaio 1947 si comunica:
1) - Questo ministero provvederà direttamente alla co-
struzione del manufatto da adibire a cabina di tra-
sformazione per l'aeroporto di Ciampino.
2) - Si conferma la necessità di prendere accordi circa
l'ubicazione della cabina con i reparti occupanti
l'aeroporto di Ciampino, come richiesto nel foglio
5.50125 del 15 gennaio 1947.-

IL DIRETTORE GENERALE F.I.
(Ten. Col. O.A. V.I. MC. TOSCANI)
Toscani

FORCES SUB-COMMISSION
ALLIED COMMISSION
AUG 794

AFCC/032/G/RMG

8 January 1947

SUBJECT: Electric Power Supply at Ciampino Airport.

TO : General Santabarbara
Office of Demanio
Italian Air Ministry

1. Reference your letter 50192/4084 Coll. dated 14 December 1946, the following information is forwarded to you for your action.

2. In view of para 2 of your letter, a conference was held at Caserta with Major Piccione, Engineering Section, HQ MIOBDA, it was stated that if the copper wire mentioned in para 2 is supplied by the American authorities it will remain the property of the airfield installation. The final disposition of the copper wire will be decided by the policy of the final handing over to the Italian Government or Air Ministry of the complete Ciampino installation.

3. With reference to para 4, your letter, the Ciampino authorities will not be able to supply the prefabricated materials for the building of the cabin. It is advised that the Air Ministry will attend to this.

4. It is therefore requested that your proposition with S.R.E. be modified to agree with the statement of HQ MIOBDA. For your information this Sub-Commission agrees with the view point.

FOR THE DEPUTY DIRECTOR

PF
PATR FAVANO,
1st Lt., Air Corps.

AFSC/832/3/ENG

8 January 1947

SUBJECT: Electric Power Supply at Ciampino Airport.

TO : General Cantaburze
Office of Demanio
Italian Air Ministry

1. Reference your letter 50191/4034 Coll. dated 14 December 1946, the following information is forwarded to you for your action.

2. In view of para 2 of your letter, a conference was held at Caserta with Major Piccione, Engineering Section, HQ MIOBIA, it was stated that if the copper wire mentioned in para 2 is supplied by the American authorities it will remain the property of the airfield installation. The final disposition of the copper wire will be decided by the policy of the final handing over to the Italian Government or Air Ministry of the complete Ciampino installation.

3. With reference to para 4, your letter, the Ciampino authorities will not be able to supply the prefabricated materials for the building of the cabin. It is advised that the Air Ministry will attend to this.

4. It is therefore requested that your proposition with S.R.A. be modified to agree with the statement of HQ MIOBIA. For your information this Sub-Commission agrees with the view point.

FOR THE DEPUTY DIRECTOR

P.F.
PAFFI FAVANO,
1st Lt., Air Corps.

U.S.

3A

From : Air Liaison
 Corps and District Engineer
 Mobile Division - Installation Section.

To : U.S. A.S.A.C. - 1200000 - 120 000 - U.S. Army
 Rome

Date : 14th December 1950

Ref. : 00151/001 Coll.

Subject: STATION AIRPORT - 1200000 - 120 000 - U.S. Army
ROMANA, ROMANA DISTRICT

With reference to letter AR. 600 001 - 001 001, previous correspondence, and a conversation with Lt. Batt Parnis, U.S. Army Air Corps the following is being known:

- 1) This Ministry has been in an agreement with the Societa Romana di Eletticita (S.R.E.) for the 117 electric wiring, as described in letter 001 001-001 of 15th November.
- 2) It is agreed that the copper wire of 50/10 and in a quantity of 3,400 lbs will be supplied by this Command to the Societa Romana di Eletticita, at no cost to them.

The cost agreed is of Lire 8,950,000

The S.R.E. will install it and it will remain their property.

17.

3) All the material installed whether wiring or cables will remain the property of the S.R.E. and consequently, their maintenance, working, insurance and all other responsibilities pertaining to them are the responsibilities of the S.R.E.

4) The work will be finished within a month from the date that the material for the walls of the cabin has been delivered to the S.R.E. except if difficulties in appropriation should be

—

7) The U.S. Works and Trucks Dependent Directorate
will be the executive authority and entrusted with the coordina-
ting of the work and its liquidation.

for the MINISTER

Translated by ME I. N. DUNTON

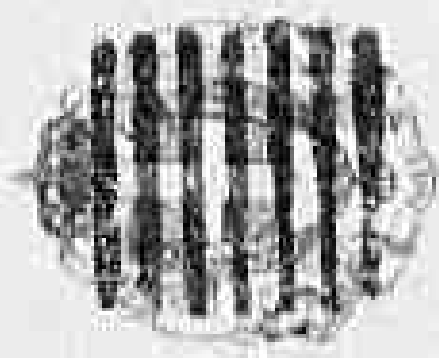
1393

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

785017

63

Translated by MS E.M. BUNICK



Ministero dell'Industria

DIREZIONE GENERALE DEL CEMENTO
Div. Lavori - Sezione Impianti

Chiusura

56/31

4034 C. E. L.

= I. C. M. A. =

(Tramite Ufficio Collegamento Sede)
Disposto al D. G. del

Da

Per

OGGETTO: IMPIANTO ARMATORI - Allacciamento elettrico ad alta
tensione - Società Romana di Elettricità.

Con riferimento al foglio AZ. 600 P2 - JPN - MN, al cer-
teggio esibito ed alla conversazione avuta col It. Air Corps
Patt Tavano, si comunica:

1. - Questo Ministero ha concordato con la Società Romana
di Elettricità (S.R.E.) per i lavori di allacciamento
elettrico ad alta tensione, come descritti nella let-
tera della S.R.E. TB-4-286 del 15 Novembre c. a., la som-
ma complessiva di L. 2.950.000.-
2. - E' pattuito che il filo di rame da 60/10, per un tota-
le di Kg. 3.400, sarà fornito gratuitamente da codesto
Comando alla Società Romana di Elettricità che lo in-
stallerà e ne resterà proprietaria.
3. - La proprietà di tutto il materiale installato di linea
e di cabina e, conseguentemente, la manutenzione, l'esser-
vizio, le assicurazioni e gli altri oneri derivanti, sa-
ranno di pertinenza della Società Romana di Elettricità.
4. - I lavori saranno ultimati entro un mese dalla data sot-
to la quale sarà fatta la consegna dei manufatti mun-
dici per cabina alla S.R.E., salvo difficoltà di espro-
prio e cause di forza maggiore.
5. - Questo Ministero provvede ad assistere la Società Ro-
mana di Elettricità nello svolgimento delle pratiche
per ottenere i permessi, i decreti e gli espropri, i
quali però restano a carico della S.R.E.

Roma 174 110 1945

At HEADQUARTERS ROME AREA

Atmosfera - APO - 794, U.S. ARMY

3.12

1394

Doc. 112
1395

56191

Allegato
4034 Q. 22

= N C M A =

(Tramite Ufficio Collegamento Sede)
Ritornello al foglio del

Dir. 72

OGGETTO: LAVORI AMBROGIO - Allacciamento elettrico ad alta
tensione - Società Romana di Eletticità.

Con riferimento al foglio AC. 500 52 - RM - UN, al car-
teggio esibito ed alla conversazione avuta col It. Air Corps
Patt Pavano, si comunica:

1. - Questo Ministero ha concordato con la Società Romana
di Eletticità (S.R.E.) per i lavori di allacciamento
elettrico ad alta tensione, come descritti nella let-
tera della S.R.E. TL-4-286 del 15 Novembre 2., la com-
pletativa di C. 2.950.CCO.-
2. - È pattuito che il filo di rame da 50/10, per un tota-
le di Kg. 3.400, sarà fornito gratuitamente da questo
Comando alla Società Romana di Eletticità che lo in-
stallerà e ne resterà proprietaria.-
3. - La proprietà di tutto il materiale installato di linea
e di cabina è, conseguentemente, la manutenzione, l'esser-
cizio, la assicurazione e gli altri oneri derivanti, sa-
ranno di pertinenza della Società Romana di Eletticità.
4. - I lavori saranno ultimati entro un mese dalla data sot-
to la quale sarà fatta la consegna del manufatto muta-
rio per cabina alla S.R.E., salvo difficoltà di capro-
prio e cause di forza maggiore.-
5. - Questo Ministero provvede ad assistere la Società Ro-
mana di Eletticità nello svolgimento delle pratiche
per ottenere i permessi, i decreti e gli espropri, i
quali però restano a carico della S.R.E.-

1.1

1.1



Ministero dell'Interno

Divisione
Polit. V. 2

Allegato
A. 2

Risposta al Regio del
Dir. 24

OGGETTO

6. Si prega di comunicare se codesto Comando provvede direttamente alla costruzione del manufatto della cabina e se a questo deve provvedere questo Ministero.
7. L'organo esecutivo al quale è affidato il coordinamento dei lavori e la liquidazione di essi è la Dipendente Direzione Demanio della III^a D.A.T.

D. IL MINISTRO

Handwritten signature

1397

Divisione
P. V. V.

Se.
Risposta al Regio del
Dir. Sta. N. 8

OGGETTO

- 6. Si prega di comunicare se codesto Comando provvede direttamente alla costruzione del manufatto della cabina o se a questo deve provvedere questo Ministero.-
- 7. L'organo esecutivo al quale è affidato il coordinamento dei lavori e la liquidazione di essi è la Dipendente Direzione Demanio della III^a Z.A.T.-

P. IL MINISTERO

Handwritten signature

*ed of 401
Exp. operations*

1 3 9 8

785017

ALLIANCE SUB COMMISSION
ALLIED COMMISSION
AFD 791, U.S. ARMY

2-9

AFM/623/3/Eng.

Date : 9 October 1946

SUBJECT : Electric Power Supply at Ciampino Airport

TO : ~~Mr.~~ Mr. Cantabene
Offices of the
Italian Air Force
Rome

Ref. to our conversation, the following information is forwarded to you for action.

1. Previously all repairs to requisitioned property was carried out by Genio Militare of the Italian Army with approval of MILITARY Commission. The work order request initiated by Rome Area Command, AFMUSA, for the project of an emergency electric power line at Ciampino Airport was not approved by AFM as they believed it was not an Italian Army commitment and that the cost should not come from Italian Army funds.

2. AFM have suggested that this is a matter which particularly concerns the Italian Air Ministry and since the Airfield will eventually be handed back by the Allies to the Italian Air Force this Sub-Commission agrees with the viewpoint.

3. It is therefore recommended that you investigate the proposition with a view of having the work put in hand and the cost agreed between the financial Department of the Italian Air Ministry and the General Director of Societa' Romana Electricita'.

FOR THE DEPUTY DIRECTOR

fk m
13/12

RF.

PATT PAVANI
1st Lt. Air Corps

Encl. 1 - Work Order Request.
Encl. 2 - Estimate of Cost S.R.E.

1399

785017

Ref. to our conversation, the following information is forwarded to you for action.

1. Previously all repairs to requisitioned property was carried out by Genio Militare of the Italian Army with approval of MILA of Allied Commission. The work order request initiated by Rome Area Command, WINGRA, was not approved by MILA as they believed it was not an Italian Army commitment and that the cost should not come from Italian Army funds.

2. MILA have suggested that this is a matter which particularly concerns the Italian Air Ministry and since the airfield will eventually be handed back by the Allies to the Italian Air Force this Sub-Commission agrees with the viewpoint.

3. It is therefore recommended that you investigate the proposed work put in hand and the cost agreed between the Financial Department of the Italian Air Ministry and the General Director of Societa' Romana Elettrotecnica.

FOR THE DEPUTY DIRECTOR:

pkm
14/2

PF.

PATT FAVANY
1st Lt. Air Corps

- Encl.1 - Work Order Request.
- Encl.2 - Estimate of Cost S.R.E.
- Encl.3 - Technical Report by S.R.E.

HEADQUARTERS ROME AREA, MTCUSA
PO 794, U.S. ARMY

AG 600.52

CEN/PO/

Date :

SUBJECT : Work Order Request

TO : Commanding Officer
8 British Liaison Unit
Rome Territorial Command,
32 Via Po, Rome, Italy.

Ref. letter from Col. Kerr of MILA to Italian Minister
for War, subject: "Repairs to Requisitioned Buildings, Rome Area",
dated 28 February 1945.

1. With reference to the above letter, the following
work order request is submitted for your approval and processing:

2. It is requested that the U.S. Army Installation at Ciampino
Airport be supplied with 300 KW of uninterrupted power.

3. This requirement may be satisfied by installing a new circuit,
that the Societa' Romana di Elettricit  has guaranteed will be operative
24 hours daily. The field may be switched from one circuit to the other
automatically depending upon which circuit is operative. (See technical re-
port submitted by Societa' Romana di Elettricit , encl.1).

4. The existing distribution system at the Airport is inadequate
and needs complete revamping. Sufficient power could be achieved by instal-
ling a new underground sub-system of about 2500 volts to 6 transformers. (See
sketch of Ciampino Airport, encl.2). The high intensity lights cannot be
installed with the present distribution system both from the standpoint of
inadequacy and continuity of service.

5. Only Societa' Romana di Elettricit  can install this electric
line as their contracts with Italian Government specifies.

6. It is requested that most urgent action be taken to correct
this situation as outlined.

FOR THE COMMANDING OFFICER :

Work Order #

C.B. MURPHY

for war, subject: "Repairs to Requisitioned Buildings, Rome Area", dated 28 February 1945.

1. With reference to the above letter, the following work order request is submitted for your approval and processing:

2. It is requested that the U.S. Army Installation at Ciampino Airport be supplied with 300 KW of uninterrupted power.

3. This requirement may be satisfied by installing a new circuit, that the Societa' Romana di Elettricit  has guaranteed will be operative 24 hours daily. The field may be switched from one circuit to the other automatically depending upon which circuit is operative. (See technical report submitted by Societa' Romana di Elettricit , encl.1).

4. The existing distribution system at the Airport is inadequate and needs complete rewiring. Sufficient power could be achieved by installing a new underground subsystem of about 2300 volts to 6 transformers. (See sketch of Ciampino Airport, encl.2). The high intensity lights cannot be installed with the present distribution system both from the standpoint of inadequacy and continuity of service.

5. Only Societa' Romana di Elettricit  can install this electric line as their contracts with Italian Government specifies.

6. It is requested that most urgent action be taken to correct this situation as outlined.

FOR THE COMMANDING OFFICER :

Work Order # _____

C.B. MURPHY
Major, AGD
Adjutant General

Encl. 1 - Technical Report by S.E.E.
Encl. 2 - Sketch of Ciampino Airport.

SOCIETA' ROMANA DI ELETTRICITA'

15 November 1946

SUBJECT : Emergency line for Ciampino Airport
TO : ROME ALLIED AREA COMMAND

In compliance with previous agreements between us and your Mr. De Rossi, we submit for your approval the two attached estimates for the construction of an electric line connecting our substation of Valle Ariccia with Ciampino Airfield.

The first estimate covering the construction of a high tension line amounts to 2,834,000 Lire. If the copper wire is furnished by you the cost would be of 1,800,000 Lire.

The second estimate for 1,895,000 Lire covers the installation of a transformer, with the provision that the necessary stone cabin be constructed by you and at your expenses, according to plans that will be provided by us.

Three lines coming respectively from Cinecitta', Valle Ariccia and Santa Palomba will be connected to the transformer, thus providing the Airfield with a practically perfect service.

Power will be sent to the transformer at a tension of 20 KV and its distribution in the Airfield, by means of a 6 KV line, will be your responsibility.

The full amount of the two estimates, 4,729,000 Lire, will be paid to us with the following understandings:

- a. No reimbursement of the above mentioned payment will ever be made by us;
- b. The stone cabin will remain your property and you will be responsible for its maintenance;
- c. The high tension line and the electrical equipment installed in the cabin will remain our own property and its maintenance will be taken care of by us.

SOCIETA' ROMANA ELETTRICITA'
The Director General

THE ALBAN AIRPORT

on the electric line, H.T., 20 KV, connecting the Ciampino Allied Military Airport with the Albano and Cinecittà' substations.

Actually the Ciampino Allied Military Airport is fed by the Cinecittà' substation, through a 20 KV electric line, installed on wooden poles, to which other lines are hooked, causing very often interruptions and troubles at the said airport.

In order to avoid such troubles, it is deemed necessary to construct another 20 KV line connecting the Ciampino Airport to the 20:20 KV station, located at Albano. In this way the Ciampino Airport electric system will be fed by two lines.

The constructing electric line for the achievement of what above said, will start from the substation located at Pratochello (Ornarec Marino), and with a tracing, demonstrated by the attached blueprint, will reach the Ciampino Airfield.

The new line will be developed on a 5 m. course and will consist of three copper conductors of 20 square millimeters size and of two telephonic conductors, iron galvanized wire, 10 square millimeters size each.

The normal power to be transmitted will be 2,000 Kw about, under form of three-phase current, 20,000 volts alternative tension, 50 c. frequency.

The insulation of the conductors will be obtained by using bolt like insulators, rigid type, having the following characteristics:

- 1) electric conductors:
 - a) electric:

dry test:	flame arc:
125,000 volts:	under rain: 300 N/m, ALI 45 gr. 20.00
 - b) mechanic: maximum load for each insulator 1500 Kg.
- 2) telephonic conductors:
 - a) electric:

dry test:	flame arc:
20,000 volts:	under rain: 300 N/m, ALI 45 gr. 60.00
 - b) mechanic: maximum load for each insulator: 1,200 Kg.

The fore said conductors will be mounted on centrifugated concrete poles, which consists of hard steel, Martin type, at high elastic limit and of concrete centrifugated in the 1:3 weight proportion.

The height of the supports will be such that the lowest conductor will be normally distant from the soil 20 feet about, with regard to the maximum arrow of the sag of the conductor, be it of rest, be it

station, located at Albano. In this way the Ciampino Airport electric system will be fed by two lines.

The constructing electric line for the reliefment of what above said, will start from the substation located at Funtocchio (Comune di Marino), and with a tracing, demonstrated by the attached blueprint, will reach the Ciampino Airport.

The new line will be developed on a 5 km. course and will consist of three copper conductors of 20 square millimeters size and of two telephonic conductors, iron galvanized wire, 10 square millimeters at each.

The normal power to be transmitted will be 1,000 Kw about, under form of three-phase current, 50,000 volts alternative tension, 50 c. frequency.

The insulation of the conductors will be obtained by using bolt like insulators, 11 in type, having the following characteristics:

- 1) electric conductors:
 - a) electric:
 - dry test: flame arc: 125,000 volts : 300 m/m, ALI 45 gr. 50.000
 - b) mechanic: maximum load per each insulator 1500 Kg.
 - b) telephonic conductors:
 - a) electric:
 - dry test: flame arc: 90,000 volts : 300 m/m, ALI 45 gr. 50.000
 - b) mechanic: maximum load per each insulator : 1,200 Kg.

The foresaid conductors will be mounted on centrifugated concrete poles, which consists of hard steel, Martin type, at high elastic limit and of concrete centrifugated in the 1:3 weight proportion.

The height of the supports will be such that the lowest conductor will be normally distant from the soil 20 feet about, with regard to the maximum arrow of the sag of the conductor, be it or not, be it windy time, when the wind blows at 150 Km. per hour normally directed on the line with a 5 gr. degree temperature or plus 55 gr. in summer time, without overload.

The supports, driven in the soil, will give the necessary guarantee of stability: they will be dimensioned according to their own weight, to the action of the wind on them and to the foresaid external action.

The settlement of the poles will have a safety coefficient not lower than 2.

- 2 -

On all supports will be hooked a "danger" sign and a crown of sharp steel points (for the poles having a diameter inferior to 50 c/m to the base) situated at a convenient height from the soil in order to avoid the access to the conductors otherwise than with step ladders or other similar means.

In its course, the electric line will constitute the following crossings:

- 1) telephonic line belonging to the Societa' Telefonica Tirrenica and telephonic line belonging to the Societa' Romana di Elettrotelegrafia;
- 2) train rail-road Rome-Albano and Highway 7 (Aptia);
- 3) rail road Rome-Ciampino-Velletri.

The said crossings will be carried out according to the rules now in force and according to particular projects which will be presented to the Public Bodies interested, for their respective approval.

The electric line whereby the forasaid one will be derived has been authorized by Decree N. 55322, 5th Division, issued by the Prefecture of Rome on January 31st, 1920.

Besides, the new installation will be constructed bearing in mind all those measures suggested by the science and by the practice in order to guarantee the safety of the human beings and the usage of things.

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From : Air Forces Sub Commission, A.C., Rome.

To : Italian Air Ministry ✓
Communications Section.

Date : 8th January 1946.

Ref : AFSC/AIR/S536/SIGS.

ELECTRIC POWER SUPPLY - CENTOCCELLE.

It has been brought to the notice of this Headquarters that the main electric supply to the radio transmitting station for the Centrale di Assistenza del Volo, Rome, located at Centocelle, is unsatisfactory.

2. Power is normally available only on alternate days, and consequently stand by petrol electric generators have to be employed as an alternative power supply. Apart from the fact that these sets are not intended for continuous running for 24 hour periods, the power available from this source is inadequate to take the full load of the transmitting station.

3. As the radio services include National and Regional Meteorological Broadcasts in addition to communications with aircraft in flight, you naturally view the commitments of this station as warranting priority treatment. This Headquarters fully supports that view.

4. It is felt that this is an Italian Air Force requirement which should be taken up by the Air Ministry with the Ministry of Public Works, through the Inspector General of Electricity Water and Gas Supplies, which is now the authority controlling the supply of electric power. It may be quoted that this Headquarters endorses your view of the importance of the requirement.

5. In this connection it is advised that this Headquarters cannot regard the use of petrol electric generating sets for the main transmitting station as satisfactory except for use as stand-by supply. A diesel electric power plant of sufficient capacity would be an acceptable alternation where main supply

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14.

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To : Italian Air Ministry
Communications Section.

Date : 8th January 1946.

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5. In this connection it is advised that this Headquarters cannot regard the use of petrol electric generating sets for the main transmitting station as satisfactory except for use as stand-by supply. A diesel electric power plant of sufficient capacity would be an acceptable alternation, where main supply is available.

but is not a very economical proposition

6. It is requested that this Headquarters may be kept informed of further developments in this matter.

EWT
for
D. M. FREEMAN E/IT.
Air Vice Marshal,
Air Officer Commanding.

Copy to S. D. G. —

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