Declassified E.O. 12356 Section 3.3/NND No. 785015

ACC 10000/147/456 T/14-C/CS
(1 of 2)

PROGRAM OF ESSENTIAL ITALIAN IMPORT

MAR.- DEC. 1945

Declassified E.O. 12356 Section 3.3/NND No. 785015

OF ESSENTIAL ITALIAN IMPORT 1945 - PART I

R.. DEC. 1945

File T14C

62

L.C Airgram 139 dated 15 December 1945

Appendix C

V.NEZIA GIULIA AND UDINE: PROGRAMME OF ESSENTIAL CIVIL IMPORTS
J-N - JUNE 1946

SECTION "C" - SIGNAL COMMUNICATIONS

REQUIREMENTS

1. See Annexure 1 to this appendix. Requirements have been screened at this HQ and notes to the annexure show items and quantities which are available in UE and British Theatre stocks.

2. It is requested that

(a) requirements may be approved and authority given for issue of theatre availabilities for civil affairs.

(b) items NOT shown as available from theatre stocks may be procured and shipped to this theatre.

JUSTIFICATION

3. General

Equipment listed in Annexure I Part 1 to this Appendix is essential for the prompt rehabilitation of the communications in VENEZIA GIULIA and UDINE during the first six months of 1946.

4. UDINE

To date only twenty per cent of the telegraph offices have been reopened for wire transmission. The items listed in Annexure I are the minimum required to reopen the remaining essential offices and to maintain the wire routes necessary for the proper functioning of government and essential private communication during the first half of 1946.

5. VENEZIA GIULIA

(a) Practically all the locations previously served by telegraph and telephone are again receiving service. The principal problem confronting the telegraph and telephone companies is one of maintenance. The material on hand in the VENEZIA GIULIA region is inadequate to ensure the proper functioning of government and essential private communications during the first half of 1946 and it is estimated that the items listed in Annexure I part II to this appendix will be the minimum requirement.

Declassified E.O. 12356 Section 3.3/NND No. 785015

JUSTIFICATION

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5. VENEZIA GIULIA

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CONSIGNMENT INSTRUCTIONS

6. Rating - Four

7. Tonnage and Cubage - approximately 190 metric tons and 9300 cubic feet.

8. Delivery

3720

(a) Supplies for VENEZIA GIULIA to be shipped to TRIESTE, consigned to AMG XIII Corps.

(b) Supplies for UDINE to be shipped to VENICE, consigned to AMG XIII Corps.

(c) Each consignment to be shipped in one lot and as soon as possible after approval.

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Declassified E.O. 12356 Section 3.3/NND No. 785015

Annexure 1

LAC Airgram 139
dated 15 December 1945

Appendix "C"

VENEZIA GIULIA AND UDINE:
CIVIL SIGNAL REQUIREMENTS: JAN-JUNE 1946.

Serial Number (i)	Stock No. in US Signal Corps Catalogue (ii)	Commodity (iii)	Unit (iv)	Quantity (v)	Notes (vi)
		PART 1. REQUIREMENTS FOR UDINE.			
1.	1 A812.11	Wire bronze No 12 BWG solid	ft	1,100,000	(a)
2.	1 A812	Wire iron No 12 BWG solid	ft	1,160,000	
3.	1 A816	Wire iron No 16 BWG solid	lb	440	
4.	6 N7530	Solder bar	lb	110	(c)
5.	6 N8583	Tape friction TL-83 3/4"	roll	166	(b)
6.	6 N8594	Tape rubber TL-94 3/4"	roll	54	(b)
7.	6 Q8794	Block equipment TG-92	complete	10	
		PART 2. REQUIREMENTS FOR VENEZIA GIULIA.			
8.	1 C416	Cable WC-416 40 pair lead covered	ft	4,600	
9.	1 C407.1	Cable telephone 50 pair No 19 AWG	ft	4,300	
10.	1 C414.1	Cable telephone 50 pair No 22 AWG	ft	1,600	
11.	1 C418	Cable WC-418 75 pair	ft	1,000	
12.	1 C419	Cable WC-419 100 pair	ft	1,900	
13.	1 C421	Cable WC-421 200 pair	ft	650	(b)
14.	1 C822.10-2.1	Cable switchboard 10 pair lead covered	ft	4,450	
15.	1 C822.16	Cable switchboard 16 pair lead covered	ft	8,000	
16.	1 C822.21.1	Cable switchboard 25 pair lead covered	ft	4,000	
17.	1 B122-1	Wire cross connecting two No 22 AWG	ft	20,000	
18.	1 A76	Wire W-76 bare Gl No 14 BWG	ft	149,000	(b)
19.	1 A73	Wire W-73 base phosphor bronze No 17	lb	500	(b)
20.	1 A812.11	Wire base bronze No 12 BWG solid	ft	1,400,000	
21.	1 A813	Wire base steel No 13 AWG	ft	140,000	
22.	1 A707	Wire rope 3/16" diam	ft	5,000	
23.	1 A710.2	Wire rope 5/16" diam	ft	1,850	
24.	1 D327	Cable WC-327 submarine telephone 50 pair	ft	5,800	
25.	1 D357	Cable WC-357 subterranean telephone 100 pair	ft	1,000	
26.	1 D374.1	Cable subterranean telephone 150 pair	ft	500	
27.	5 B9320.1	Ring bridle 1¼" eye	ea.	10,000	
28.	5 B9445.2	Ring cable	ea.	7,000	
29.	5 B9326	Ring PF-75, 1 5/8" eye			

Declassified E.O. 12356 Section 3.3/NND No. 785015

PART 2. REQUIREMENTS FOR VENEZIA GIULIA.

8.	1 C416	Cable WC-416 40 pair lead covered	ft	4,600	
9.	1 C407.1	Cable telephone 50 pair No 19 AWG	ft	4,300	
10.	1 C414.1	Cable telephone 50 pair No 22 AWG	ft	1,600	
11.	1 C418	Cable WC-418 75 pair	ft	1,000	
12.	1 C419	Cable WC-419 100 pair	ft	1,900	
13.	1 C421	Cable WC-421 200 pair	ft	650	(b)
14.	1 C822.10-2.1	Cable switchboard 10 pair lead covered	ft	4,450	
15.	1 C822.16	Cable switchboard 16 pair lead covered	ft	8,000	
16.	1 C822.21.1	Cable switchboard 25 pair lead covered	ft	4,000	
17.	1 B122-1	Wire cross connecting two No 22 AWG	ft	20,000	
18.	1 A76	Wire W-76 bare Gl No 14 BWG	ft	149,000	(b)
19.	1 A73	Wire W-73 base phosphor bronze No 17	lb	500	(b)
20.	1 A812.11	Wire base bronze No 12 BWG solid	ft	1,400,000	
21.	1 A813	Wire base steel No 13 AWG	ft	140,000	
22.	1 A707	Wire rope 3/16" diam	ft	5,000	
23.	1 A710.2	Wire rope 5/16" diam	ft	1,850	
24.	1 D327	Cable WC-327 submarine telephone 50 pair	ft	5,800	
25.	1 D357	Cable WC-357 subterranean telephone 100 pair	ft	1,000	
26.	1 D374.1	Cable subterranean telephone 150 pair	ft	500	
27.	5 B9320.1	Ring bridle 1¼" eye	ea.	10,000	
28.	5 B9445.2	Ring cable	ea.	7,000	
29.	5 B9326	Ring PF-75, 1 5/8" eye	ea.	7,000	
30.	5 B9206	Ring bridle 3/4" eye	ea.	78,000	
31.	6 L105-2.5	Bolt carriage 5/16" X 2½"	ea.	100	(d)
32.	6 L108-7	Bolt carriage ½" X 7"	ea.	100	
33.	6 Z2280	Conduit rigid Gl 2½" diam 10 ft length	ea.	12	
34.	6 N5543	Sleeve FT-43 paper splicing	ea.	45,000	(e)
35.	6 N5587	Sleeve FT-87 copper splicing	ea.	1,500	(b)
36.	1 A816.11	Wire base solid tinned 4/6	ft	4,000	
37.	5 A978	Conduit MC-78	ea.	100	
38.	6 Z6928.2	Lead sheeting 1/16" thick,4" X 20'	lb	1,420	
39.	6 N7530	Solder M-30	lb	1,200	
40.	6 N4004	Paraffin wax 1C-4	lb	440	(b)
41.	6 N8609	Tape cotton TL-109	ea.	175	(b)
42.	6 N8583	Tape friction TL-83	ea.	250	(f)
43.	6 N1620	Cloth cable wrapping cotton	ea.	400	
44.	6 R4741-5	Pliers flatnose	ea.	9	
45.	6 R4761-7	Pliers needlenose 7"	ea.	14	
46.	6 R4607	Pliers TL-107 8"	ea.	19	(b)
47.	6 R13514	Scissors 6"	ea.	30	(b)

Declassified E.O. 12356 Section 3.3/NND No. 785015

Serial number (i)	Stock No. in US Signal Corps Catalogue (ii)	Commodity (iii)	Unit (iv)	Quantity (v)	Notes (vi)
48.	6 R15410	Screwdriver TL-23	ea.	15	(b)
49.	6 R16230	Screwdriver 7" blade	ea.	15	
50.	6 R18410	Screwdriver 18" blade	ea.	10	(b)
51.	6 Q6033	Knife skinning lineman	ea.	20	
52.	6 Q60002	Knife KN-2	ea.	10	(b)
53.	6 325301	Spring bender	ea.	10	
54.	6 R24617	Soldering Iron TL-117	ea.	16	(b)
55.	6 Q41000	Frame hacksaw	ea.	10	(b)
56.	6 Q8012-32	Blade hacksaw	ea.	250	(b)
57.	3 F3205-1.1	Megger	ea.	8	
58.	6 R36537	Tent LC-37 Cable splicer	ea.	2	(b)
59.		Trucks 1/4 ton		1	
60.		Trucks 2-15 cwt		2	
61.	6 M7548	Solder wire	lb.	15	(g)
62.	3 F1772.2	Multimeter Weston	ea.	1	(k)
63.	1 A808	Wire bare copper No. 8 AWG	ft	2,400,000	(j)
64.	1 A808.3	Wire iron solid No. 8 AWG	ft	360,000	(h)

NOTES:-

(a) ~~878,920 ft available in US theatre stocks~~ Amended LAC Air 142
(b) Available in US theatre stocks
(c) 110 lbs Solder No. 8 available in BRITISH theatre stocks
(d) 100 Bolts No. 2 available in BRITISH theatre stocks
(e) 45,000 Sleeves No. 10 available in BRITISH theatre stocks
(f) 250 lbs Tape Insulating 3/4" available in BRITISH theatre stocks
(g) 15 lbs Solder No. 6 available in BRITISH theatre stocks
(h) 17,000 lbs Wire GI (200 lbs) available in BRITISH theatre stocks
(j) 147,840 ft available in US Theatre stocks
(k) 550,100 ft of Class A and 63,000 ft of Class B are in US Theatre stocks

See LAC Airgram 142 Vol I No 1

(a) Available in US Theatre stocks in following form:

(I) 1A 812.11 337,920 ft.

(II) 1A 809.104 1,940,280 "

Declassified E.O. 12356 Section 3.3/NND No. 785015

59.		Trucks 1/4 ton		2	
60.		Trucks 2-15 cwt	lb.	15	(g)
61.	6 M7548	Solder wire	ea.	1	(h)
62.	3 F1772.2	Multimeter Weston	ft	2,400,000	(i)
63.	1 A808	Wire bare copper No. 8 AWG	ft	360,000	(j)
64.	1 A808.3	Wire iron solid No. 8 AWG			

NOTES:- (a) ~~878,920 ft available in US theatre stocks~~ Amended LAC Air 142

(b) Available in US theatre stocks

(c) 110 lbs Solder No. 8 available in BRITISH theatre stocks

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(g) 15 lbs Solder No. 6 available in BRITISH theatre stocks

(h) 17,000 lbs Wire GI (200 lbs) available in BRITISH theatre stocks

(i) 147,840 ft available in US Theatre stocks

(k) 550,400 ft of Class A and 63,000 ft of Class B are in US Theatre stocks

See LAC Amdt 142 Vol II No 1

(a) Available in US Theatre stocks in following form:

(I) 1A 812.11 337,920 ft.

(II) 1A 809.104 1,940,280 "

Declassified E.O. 12356 Section 3.3/NND No. 785015

L.C. Telegram 139
dated 15 December 1945

Appendix "D"

VENEZIA GIULIA AND UDINE: PROGRAMME OF ESSENTIAL CIVIL IMPORTS, JAN-JUNE 1946

SECTION D : FOOD

REQUIREMENTS.

1. Total requirements January through June 1946 (metric tons).

Serial (i)	Commodity (ii)	Metric tons VENEZIA GIULIA (iii)	UDINE (iv)	TOTAL (v)
(a)	Wheat bulk	NIL	33,000	33,000
(b)	Wheat bagged	25,050	NIL	25,050
(c)	Fats	660	1,050	1,710
(d)	Soup dehydrated	2,010	210	2,220
(e)	Vegetables dried	2,490	480	2,970
(f)	Meat preserved	1,170	330	1,500
(g)	Sugar	420	990	1,410
(h)	Milk powdered	1,820	840	2,660
(j)	TOTAL	33,620	36,900	70,520

NOTE:- Preliminary notice of above requirements was sent to CCS in L.C 1320 dated 17 November 45, superseding provisional estimate in M.T 689.

Declassified E.O. 12356 Section 3.3/NND No. 785015

(a)	Wheat bulk	NIL	NIL	25,050
(b)	Wheat bagged	25,050	1,050	1,710
(c)	Fats	660	210	2,220
(d)	Soup dehydrated	2,010	480	2,970
(e)	Vegetables dried	2,490	330	1,500
(f)	Meat preserved	1,170	990	1,410
(g)	Sugar	420	840	2,660
(h)	Milk powdered	1,820		
(j)	TOTAL	33,620	36,900	70,520

NOTE:- Preliminary notice of above requirements was sent to CCS in L.C 1320 dated 17 November 45, superseding provisional estimate in M.T 089.

Declassified E.O. 12356 Section 3.3/NND No. 785015

Declassified E.O. 12356 Section 3.3/NND No. 785015

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HEADQUARTERS ALLIED COMMISSION
AFO 394
Communications Sub-Commission

RT:M/vs.

- 26 -

T.14.a/62/GS

SUBJECT. : Requisitioning of Surplus Property.

TO. : Economic Section.

Ref. : Your RM - 400.4 of 20th Oct.

None of the items in the catalogue no.2 of 15th Oct. will fit any of the requirements stated in requisitions with which this S/C is concerned.

H.H.SCUDDER
Lt.Col.Sig.C.
Director

3718

Reclassified E.O. 12356 Section 3.3/NND No. 785015

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Tel. 505

HEADQUARTERS ALLIED COMMISSION
APO 684
ECONOMIC SECTION
Requisition Branch

HC/J03/bm

AB-400.4

20 October 1945

SUBJECT: Requisitioning of Surplus Property

TO : Agriculture Sub-Commission
Commerce Sub-Commission
Industry Sub-Commission
Public Works & Utilities Sub-Commission
Transportation Sub-Commission
Communications Sub-Commission.

1. It is requested that your office check all outstanding requisitions against items listed for disposal by the Office of the Army-Navy Liquidation Commissioner in their catalog of 15 October 1945, copy of which you have received.

2. It is further requested that you inform this office if items listed in this catalog will fit any of your requirements.

H.C. [illegible]
Lt. Col., AGD
Economic Section

Director
D/Director
Chief Telecoms
Chief Posts
Asst Chief Posts
Censorship
Chief Clerk

REES
FILE 2/1 wd.
T.14.c
Date 23 OCT. 1945

3717

Commission Returns 5/760

HEADQUARTERS ALLIED COMMISSION
APO 394
INDUSTRY SUB-COMMISSION

SHL/mla

5 October 1945

Ref. AC/5650/IND.

SUBJECT : Transitional Program of Essential Italian Imports 1945 - Section 2 (October-December) Appendix "A".

TO Economic Section
(Attn.: Supply Division -
Colonel C.W. Walton, Chief)

1. Reference is made to letter 11 Sept. 1945 to Economic Section attn. Brigadier D. L. Anderson; also to MOC 303, 13 Sept. 1945 to MOC AIRGRAM 77 Appendix B; also to MOC AIRGRAM 111, 14 Sept. 1945.

2. Attached is the second and concluding set of recommendations for changes in the 1945 Import Program referred above. These changes include deletions, addition of new items, replacements and additional specifications as required.

3. Again all information was obtained from the various Comitati, approved by the Central Comitato in Milan and by Prof. Saraceno in Milan.

4. Approval of Ministry in Rome has been obtained.
"C.I.R. Concurs" &tm.

5. In particular, attention is called to a complete revision of Section C, animal and vegetable oils and oil seeds, of this Program in the light of present needs. Consequently this section has been eliminated as section C. and the new oil program for these items is set up as a new and additional section Q. It is noted that although this section has been changed quite radically in its elements, the total new requirements in tonnage is smaller than the previous section C.

6. Items which are now required as additions to this Program have been placed under section P, Miscellaneous. Two such items were added in MOC AIRGRAM 111 reference above and were given the numbers P-65 and

Tel. 468

FILE 1.14 C

Date 10 OCT 1945

Declassified E.O. 12356 Section 3.3/NND No. 785015

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3. Again all information was obtained from the various Comitati, approved by the Central Comitato in Milan and by Prof. Saraceno in Milan.

4. Approval of Ministry in Rome has been obtained. "C.I.R. concurs" S.H.M.

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6. Items which are now required as additions to this Program have been placed under section P, Miscellaneous. Two such items were added in MOC AIRGRAM 111 reference above and were given the numbers P-65 and P-66. The present recommendation adds items P-67 through P-80.

Incls.: 7
6 pages for cables
and airgrams.

S. H. MANLAN

Copy to:

Economic Section
(Attn.: Requisition Branch)
All Sub-Commissions
Mr. Sullivan, Economic Section
Col. Tooby, Milan - Supply Div.
Northern HQ. - Industry S/C.

for D. L. ANDERSON
Brigadier,
Deputy Vice-President
Economic Section.

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Declassified E.O. 12356 Section 3.3/NND No. 785015

5 October 1945

List of Cables and Airgrams

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2. Cable for Cancellation of Certain Items 3

3. Airgram for Alteration of Certain Items 4

4. Airgram for New Items ..... 5 - 6

5. Airgram for Specifications 7

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3. Airgram [illegible] ..... 5 - 6

4. Airgram for New Items 7

5. Airgram for Specifications .....

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Declassified E.O. 12356 Section 3.3/NND No. 785015

5 October 1945

SUBJECT : Transitional program of Essential Italian Imports 1945, October-December.

Urgent Cable.

It is recommended that a cable be sent immediately for the following items for priority consideration in procurement.

1. With further reference to MOC 303, 13 Sept 1945, paragraph 3, the dimensions and quantities for Acheson type electrodes, L-13 are the following :

350	mm. diam.	330	M.Tons
300	" "	220	" "
250	" "	80	" "
200	" "	40	" "
175	" "	30	" "

Import program for this item, L-13 is 1,830 tons. The above assortment of 700 tons is urgently requested. Instructions for the balance of 1,130 tons will follow later.

2. Item A-4, special anthracite coal, to be used for producing Soederberg Electrodic paste, having a low content of cinders of German origin, Aachen Basin, or English or Russian. Urgent request for 20,000 tons.

3. The following are new items, mostly of a pharmaceutical nature and urgently needed :

P-70	Pure Cholesterol U.P. 148°	0.200 M.Tons
P-71	Pure Pyridine	6. -- " "
P-72	Halibut Hyppoglossum Liver oil	3. -- " "
P-73	Potassium cyanide powder 94-96%	2. -- " "
P-74	Theophyllin pure crystals	0.050 " "
P-75	Calcium hypophosphite U.S.P. latest revision	6. -- " "
P-76	Vaseline oil U.S.P. latest revision	20. -- " "

Declassified E.O. 12356 Section 3.3/NND No. 785015

350	mm. diam.	330	M.Tons
300	" "	220	" "
250	" "	80	" "
200	" "	40	" "
175	" "	30	" "

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3. The following are new items, mostly of a pharmaceutical nature and urgently needed :

P-70	Pure Cholesterol M.P. 148°	0.200 M.Tons
P-71	Pure Pyridine	6. -- " "
P-72	Halibut Hyppoglossus Liver oil	3. -- " "
P-73	Potassium cyanide powder 94-96%	2. -- " "
P-74	Theophyllin pure crystals	0.050 " "
P-75	Calcium hypophosphite U.S.P. latest revision	6. -- " "
P-76	Vaseline oil U.S.P. latest revision	20. -- " "

Declassified E.O. 12356 Section 3.3/NND No. 785015

5 October 1945

SUBJECT : Transitional Program of Essential
Italian Imports 1945, October-December.

Cable for Cancellation of Certain Items.

Send a cable to cancel the following items from the present Import Program.

A-7 Ureic resins, presently manufactured in Italy.

D-3 Fluor spar, domestically produced.

N-5 Animal oils for leather tanning. This item was already included in former item C-1, now replaced by new section Q.

N-9 Degras. This is obtainable in Italy.

~~O-3 Potato starch; potatoes as raw material for this item is preferred. If transportation or other difficulties will be encountered then original request for 24 tons of potato starch is to be procured.~~ Stfm.

O-6 Glucose; inasmuch as there are plants in Italy for the manufacture of glucose, it is preferred to have the raw material, corn, for its manufacture. Additional advantage is that three percent of corn oil will be recovered and corn starch can be manufactured. The equivalent amount of corn is re-~~quisitioned~~ quested later in this cable as item No. P-68.

O-9 Vanilla beans. This cancelled item is being replaced by synthetic vanillin, item No. P-69.

Section C. Animal and Vegetal Oils and Oil Seeds is totally cancelled and replaced by a new section Q.

Declassified E.O. 12356 Section 3.3/NND No. 785015

D-3 Fluor spar, domestically produced.

N-5 Animal oils for leather tanning. This item was already included in former item C-1, now replaced by new section 2.

N-9 Dogras. This is obtainable in Italy.

~~O-3 Potato starch; potatoes as raw material for this item is preferred. If transportation or other difficulties will be encountered then original request for 24 tons of potato starch is to be procured.~~ Stm.

O-6 Glucose; inasmuch as there are plants in Italy for the manufacture of glucose, it is preferred to have the raw material, corn, for its manufacture. Additional advantage is that three percent of corn oil will be recovered and corn starch can be manufactured. The equivalent amount of corn is re~~quisitioned~~ quested later in this cable as item No. P-68.

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Section C. Animal and Vegetal Oils and Oil Seeds is totally cancelled and replaced by a new section 2.

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Declassified E.O. 12356 Section 3.3/NND No. 785015

5 October 1945

SUBJECT : Transitional Program of Essential
Italian Imports 1945, October-December.

Airgram for Alteration of Certain Items

B-6 Bitumen. In reply to COL 212 the total September through December requests totaled 60,000 tons. This request is now reduced to 30,000 tons. Specifications state penetration power 40/50, melting point 140-150° F.

I-5 Nickel. Reference also MOC 111, 14 September 45 page 5. The original request for 635 tons is increased to 800 tons. Detailed specifications given in MOC Airgram 111 for 8 tons, in strip form is correct. Balance in ingot form now is increased to 792 tons. Additional specification is that nickel in blocks or cathods must be pure.

I-6 Cobalt. The original request for 0.600 ton cobalt is increased herewith to 6.0 tons. Pure electrolytic cobalt metal is required for metallurgical and mechanical industries.

E-3 Colophony. Increase requirement from 2,500 to 7,500 tons.

P-8 through P-14 inc. Fuse Caps. Size of these caps as No. 8 replacing No. 10 is satisfactory.

Declassified E.O. 12356 Section 3.3/NND No. 785015

140-150° F.

I-5 Nickel. Reference also MOC 111, 14 September 45 page 5. The original request for 635 tons is increased to 800 tons. Detailed specifications given in MOC Airgram 111 for 8 tons, in strip form is correct. Balance in ingot form now is increased to 792 tons. Additional specification is that nickel in blocks or cathods must be pure.

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Declassified E.O. 12356 Section 3.3/NND No. 785015

5 October 1945

SUBJECT : Transitional Program of Essential Italian Imports 1945, October-December.

Airgram for New Items.

~~C-3 Potatoes 250 tons, necessary for the production of 24 tons potato starch, item C-3.~~ Stm.

P-67 Cobalt oxide, Co_2O_3, black. 6 M. Tons, to be used in the ceramic industry. The oxide is to contain 68-70% cobalt metal.

P-68 Corn 2,500 tons - to be used for manufacture of 1,500 tons glucose. This replaces item C-6.

P-69 Synthetic Vanillin, 3 tons, in substitution for vanilla beans, item C-9.

P-70 Through P-76 are given in the urgent cable.

P-77 Fat bones for glue manufacture 5 tons

P-78 Plata corn for production of butyl alcohol and acetone 5 tons

P-79 Pearl essence, The Pearl Corporation, 153 Waverley Place - New York 0.250 tons

P-80 Cotton linters 60 tons

2. Animal and Vegetable Oils and Oil Seeds.

1. Linseed and/or Castor beans (38% oil content) 35,000 tons

linseed	14,000	tons
Castor beans	21,000	"
	35,000	tons

Declassified E.O. 12356 Section 3.3/NND No. 785015

P-68 Corn 2,000 tons glucose. This replaces item 0-6.

P-69 Synthetic Vanillin, 3 tons, in substitution for vanilla beans, item 0-9.

P-70 Through P-76 are given in the urgent cable.

P-77 Fat bones for glue manufacture 5 tons

P-78 Plate corn for production of butyl alcohol and acetone 5 tons

P-79 Pearl essence, The Pearl Corporation, 153 Waverley Place - New York 0.240 tons

P-80 Cotton linters 60 tons

2. Animal and Vegetable Oils and Oil Seeds.

1. Linseed and/or Castor beans (38% oil content) 35,000 tons

linseed	14,000	tons
Castor beans	21,000	"
	35,000	tons

2. Animal Oils and fats 600 tons

lard, foot and tallow oil (equal quantities of each)	100	tons
cod-liver oil	60	"
animal oils and fats (whale, salted lard, sardine etc.)	440	"
	600	tons

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3.	Copra (50% oil content)	15,000 tons
4.	Oil seeds for Edible Oils ground nuts (40% oil content) sesame seeds (50% oil content)	76,500 tons

This quantity includes the September request for 16,500 tons.

Declassified E.O. 12356 Section 3.3/NND No. 785015

Declassified E.O. 12356 Section 3.3/NND No. 785015

5 October 1945

SUBJECT : Transitional Program of Essential Italian Imports 1945, October-December.

Airgram for Specifications

Reference to AGC AIRGRAM 111, 11 September 1945 paragraph 2c ~~2e~~. and ~~3e~~.

D-3 Fluor Spar is cancelled in ~~this airgram~~ cable, page 3. this report.

D-4 Cryolite 420 tons. The natural cryolite is requested. Formerly supplied by Oresund Chemishe Fabriker, Copenaghen. Requested specifications are $SiO_2 < 0.2\%$ and $Fe_2O_3 < 0.1\%$.

D-8 Graphite Silvery 150 tons. Used for manufacturing refractory ~~conoibles~~ crucibles. It is commonly known as "Silvery Graphite in flakes" and normally imported from Madagascar and "Silvery Graphite in blocks" normally imported from Ceylon.
The carbon content is to be not lower than 90%.

D-9 Kaolin for high-resistance insulators and manufacturing china for electrical purposes. It has a high melting point and has to correspond to "Zeddlitz" or "Karlsbad" Kaolin type.
Al_2O_3 content should be about 40-42%, and iron content must be lower than 1% calculated on the calcined material.

0-10 Edible oils (for food conservation industry)

The 200 tons may be procured in the following proportions:
1/3 first extraction (ox tallow melted in water);
2/3 from hydrogenerated vegetable fats;
following this order of preference:
soya-beans, cotton, ground nuts, coconuts.

Declassified E.O. 12356 Section 3.3/NND No. 785015

D-4 Cryolite 420 tons. The natural cryolite is requested. Formerly supplied by Öresund Chemishe Fabriker, Copenaghen. Requested specifications are $SiO_2 < 0.2\%$ and $Fe_2O_3 < 0.1\%$.

D-8 Graphite Silvery 150 tons. Used for manufacturing refractory ~~concibles~~ crucibles. It is commonly known as "Silvery Graphite in flakes" and normally imported from Madagascar and "Silvery Graphite in blocks" normally imported from Ceylon.
The carbon content is to be not lower than 90%.

D-9 Kaolin for high-resistance insulators and manufacturing china for electrical purposes. It has a high melting point and has to correspond to "Zeddlitz" or "Karlsbad" Kaolin type.
Al_2O_3 content should be about 40-42%, and iron content must be lower than 1% calculated on the calcined material.

0-10 Edible oils (for food conservation industry)

The 200 tons may be procured in the following proportions:
1/3 first extraction (ox tallow melted in water);
2/3 from hydrogenerated vegetable fats;
following this order of preference:
soya-beans, cotton, ground nuts, coconuts.

3709

Declassified E.O. 12356 Section 3.3/NND No. 785015

Declassified E.O. 12356 Section 3.3/NND No. 785015

Date 19-9

From:			To:		
	Vice President			ECONOMIC SECTION	
	Mr. Anderson			Production Div	
	Col Donovan			Supply Div	
	Col Helton			Agriculture Sub-Comm	
	Lt Col Tooby			Commerce " "	
	Lt Col Moore			Finance " "	
	Mr Hughes			Food " "	
	Maj Mason			Industry " "	
	Maj Clark			Labor " "	
				P. & U " "	
	Maj Smith			Transportation "	
	Capt Crupe			Chief Commissioner	
	Capt Highland			Executive Commissioner	
	Lt Arensberg			Civil Affairs Section	
	Lt Diloreto			Establishment Section	
	Lt Morgen			G-1 (L)	
	Admin & Pers. Branch			G-1 (P)	
	Requisition Branch			Attention:	
	Price Control Branch			COMMUNICATIONS	
	Message Center				
	For appropriate action			Note & Return	
	Remarks/Recommendations			Signature	
	Dispatch			Investigation & Report	
	Information			File	
	Circulation & Return			Note & Retain	

REMARKS:

D/Director	
Chief Telecoms	
Chief Postal	
H Q Comm O.	
Asst Chief Postal	
Censorship	
Chief Clerk	

FILE B/Fwd

TILED

Date 3 DEC 1945

Declassified E.O. 12356 Section 3.3/NND No. 785015

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7A333 CA 16
SEP 171730

F/8053
SEP 181055
ROUTINE

TROOPERS

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RESTRICTED.

For Economic Section.

Request all future copies of MOC Airgrams be addressed to Cabinet Offices Secretariat LEDGER who will distribute as necessary.

INFT

ACTION ECON SEC 2
INFO CHIEF COMMISSIONER
R&Q DIV 2
FILE 2
FLOAT

Declassified E.O. 12356 Section 3.3/NND No. 785015

17-9

INTERNAL

		To
	Gen Hoefbert	
	Brig Anderson	
	Col Banadere	
	Col Dalton	
	Lt Col Tooby	
	Lt Col Moore	
	Mr Hughes	
	Maj Anson	
	Maj Clark	
	Maj Smith	
	Capt Crupe	
	Capt Highland	
	Lt Arensberg	
	Lt DiLoreto	
	Lt Morgan	
	Admin & Pers. Branch	
	Requisition Branch	
	Price Control Branch	
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		To
	SC Info Section	
	Production Div	
	Supply Div	
	Agriculture Sub-Comm	
	Commerce " "	
	Finance " "	
	Food " "	
	Industry " "	
	Labor " "	
	PW & U " "	
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	Dispatch		Investigation & Report
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CLASS: TOP SECRET
FILE: T.14.4. 3706 D/wd.
Date 18 SEP. 1945

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HEADQUARTERS ALLIED COMMISSION

MCC AIRGRAM 111, 14 September 1945.

FROM: ALCOM SITE AGREQ

TO: CCAC for CLAC

SUBJECT: Transitional Program of Essential Italian Imports, 1945, Section 2, (October-December 1945), Appendix A.

1. Section F, Rubber and Materials for Manufacturing Rubber Products: There are submitted below specifications for Items 1 through 13, covering rubber items in this Section. It is to be noted from these specifications that except for Item 1, (Raw Rubber), Item 7 (Resorcine) and Item 11, (Paraffin), all of the other items listed are German products. The advice of a competent Rubber Technologist in the U. S. should be obtained in order that American equivalents for these products may be determined for the end-uses which are shown in Paragraph 1 d. It is to be noted in particular that Item 9 is not the usual product known as Naphthalene, but rather a totally different German product under the name of Naphtalene. The Rubber Industry is very anxious to get in these materials in order to proceed with the reactivation of the Industry.

a. The Italian Rubber Committee has advised that pine-tar can be substituted for the plasticizer, naphtolene; also, that medium anthracene oil can be used as a substitute for Item 13 ("LESTOSOL.")

b. In reply to CCM 201, the Rubber Committee confirms that the omission of other chemicals for the Rubber Industry was as intended. No chemical ingredients are needed except those specified in the Program. If it is found that other ingredients are necessary, they will be included in the 1945 Program of Imports.

c. The following are specifications for Items F-1 to 13 inclusive, as referred to in Paragraph 1:

1. Raw Rubber: Standard smoked sheets and crepes of the best quality, excluding dark crepes. Secondary qualities, such as NY 2 and NY 3, could be supplied for 30-40% of the total requirements.

2. Synthetic Rubber: Buna 85, Buna 3 and Buna GR. These are the well known synthetic rubbers of the I.G. Farbenindustrie.

Carbon black, active, semiactive, inactive: Pirelli's specifications are as follows:

3. CK 4 Black: A German product corresponding approximately to carbon black, with which it can be substituted.

Humidity: Max. 0.2%
Max. 0.3%

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termined for the end-uses which are shown in Paragraph 1 d. It is to be noted in particular that Item 9 is not the usual product known as Naphthol no, but rather a totally different German product under the name of Naphtol no. The Rubber Industry is very anxious to get in these materials in order to proceed with the reactivation of the industry.

a. The Italian Rubber Committee has advised that zinc-tar can be substituted for the plasticizer, naphtalene; also, that medium anthracene oil can be used as a substitute for Item 13 (CUMTCHOL.)

b. In reply to OCK 201, the Rubber Committee confirms that the omission of other chemicals for the Rubber Industry was as intended. No chemical ingredients are needed except those specified in the Program. If it is found that other ingredients are necessary, they will be included in the 1945 Program of Imports.

c. The following are specifications for Items 1-1 to 13 inclusive, as referred to in Paragraph 1:

1. Raw Rubber: Standard smoked sheets and crepes of the best quality, excluding dark crepes. Secondary qualities, such as NY 2 and NY 3, could be supplied for 30-40% of the total requirements.

2. Synthetic Rubber: Buna 33, Buna 3 and Buna SR. These are the well known synthetic rubbers of the I.G. Farbenindustrie.

Carbon black, active, semiactive, inactive: Pirelli's specifications are as follows:

3. OK 4 Black: A German product corresponding approximately to carbon black, with which it can be substituted.

Humidity:	Max. 0.2%
Ash:	Max. 0.3%
Acetone soluble portion:	Max. 0.5%

4. P 1250 Black: A German product obtained from acetylene.

Humidity:	Max. 1.5%
Ash:	Max. 0.2%
Acetone soluble portion:	Max. 0.5%

5. Lamp Black: Humidity: Max. 2%
Acetone soluble portion: 0
Acid Value: (Expressed in Sulphuric acid) Max. 0.1%
Ash: Max. 0.1%

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6. Dry Latex: Until now Igetex S synthetic latex has been used (supplied by the I. G. Farbenindustrie). It can be substituted with natural latex (Jetex) or any other type of synthetic latex used in America for the treatment of rayon employed for the manufacture of tires.

7. Resorcine: Technically pure product, used together with Formaldehyde in latex mixings for the treatment of rayon employed in tire manufacture.

Melting point:	110-112° C
Solubility in water:	Complete
Ash:	Traces
Acid value:	0

8. Plastificator 32: Plastifier for buna. Product of the I.G. Farbenindustrie made up essentially of Sodium buna of low plymerization.

Sp. Gr.:	0.99 - 0.9
Ash:	Max. 0.5%

For American synthetic rubber (the characteristics of which are unknown to Italians) other plastifiers would probably have to be used.

9. Naphtalene: A German by-product of mineral oil refining used as a plastifier for buna.

Sp. Gr.:	0.995 - 1
Viscosity at 100°C.:	2.5 - 3° Engler

For American synthetic rubber (the characteristics of which are unknown to Italians) other plastifiers would probably have to be used.

10. Cumarone Resin: Plastifier for buna and for natural rubber.

Sp. Gr.:	1 - 1.2
Softening point:	50-70° C (Ring and ball)

11. Paraffin: Plastifier for buna and for natural rubber.

Solidifying point:	54° - 56° C
Saponification value:	0

12. Tar, Norwegian: Plastifier.

Viscosity at 100°C:	1.5 - 2° Engler
Water content:	Not more than 0.5%
Acid Value:	(Expressed in acetic acid) Not more than 1%

13. Kautschol: German lignite tar used as a plastifier for buna.

Viscosity at 50°C	2 - 3° Engler
Water content	Not more than 0.5%
Must not contain fractions which distill under 200° C	

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Ash: Max. 0.5%

For American synthetic rubber (the characteristics of which are unknown to Italians) other plastifiers would probably have to be used.

9. Naphtolene: A German by-product of mineral oil refining used as a plastifier for Buna.

Sp. Gr.: 0.995 - 1
Viscosity at 100°C.: 3.5 - 5° Englor

For American synthetic rubber (the characteristics of which are unknown to Italians) other plastifiers would probably have to be used.

10. Cumarone Resin: Plastifier for Buna and for natural rubber.

Sp. Gr.: 1 - 1.2
Softening point: 50-70° C (Ring and Ball)

11. Paraffin: Plastifier for Buna and for natural rubber.

Solidifying point: 54° - 50° C
Saponification value: 0

12. Tar, Norwegian: Plastifier.

Viscosity at 100°C: 1.5 - 2° Englor
Water content: Not more than 0.5%
Acid Value: (Expressed in acetic acid)
Not more than 1%

13. Kautschol: German lignite tar used as a plastifier for Buna.

Viscosity at 50°C 2 - 3° Englor
Water content Not more than 0.5%
Must not contain fractions which distill under 200° C.

For American synthetic rubber (the characteristics of which are unknown to Italians) other plastifiers would probably have to be used.

d. The following is an approximate percentage use of synthetic rubber foreseen in the Transitional Program, October-December 1945:

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MOD AIRGRAM 111, 14 September 1945 - 3

Article	Percentage Synthetic Rubber
Truck tires	47
Passenger car tires	15
Curing bags	2
Motor car inner tubes	7
Bicycle tires	4
Bicycle inner tubes	2.5
Repair material (tread strips, sheets and solution)	2
Soles, heels and sheets for soles	5
Technical articles	4
Rubber hose	1
Sanitary articles	1.4
Waterproof raincoats and capes	0.1
Electric wires and cables	4
Footwear (boots and shoes)	4
	100.0

NOTE: 0.5% of the total quantity of synthetic rubber requested should be of the Neoprene type E or other similar type, to be used for the manufacture of technical articles resistant to solvents, about half for the proofing of cylinders and printed textiles and the other half for special rubber hose. The information regarding this type of Neoprene is about 5 years old. It may be that new types of Neoprene have been developed for these uses.

c. There are listed below the several uses of synthetic rubber, Buna, for the manufacture of Rubber goods, which are types of German (I.G. Farben Ind.). Synthetic rubber previously used. Procurement in America should be their equivalents for the uses indicated.

Truck and passenger car tires	:	Buna S 3 or Buna S (The use of Buna 33 allows a reduction in the percentage of natural rubber.)
Curing bags	:	Buna 3R and Buna 38
Truck and passenger car inner tubes	:	Buna S 3 or Buna S together with a small percentage of Buna 35
Bicycle tires	:	Buna S 3 or Buna S (no direct experience)
Bicycle inner tubes	:	Buna 35
Electric wires and cables	:	Buna 35, Buna S and Buna 3R
Other rubber goods (mechanical rubber goods, rubber cord,	:	Any kind of the above types of Buna can indifferently be

Declassified E.O. 12356 Section 3.3/NND No. 785015

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Waterproof reinforced and drills	0.1
Electric wires and cables	4
Footwear (boots and shoes)	4
	100.0

NOTE: 0.5% of the total quantity of synthetic rubber requested should be of the Neoprene Type E or other similar type, to be used for the manufacture of technical articles resistant to solvents, about half for the proofing of cylinders and printed textiles and the other half for special rubber goods. The information regarding this type of Neoprene is about 3 years old. It may be that new types of Neoprene have been developed for these uses.

c. There are listed below the several uses of synthetic rubber, Buna, for the manufacture of rubber goods, which are types of German (I.G. Farben Ind.). Synthetic Rubber previously used. Procurement in America should be their equivalents for the uses indicated.

Truck and passenger car tires	:	Buna 3 S or Buna 3 (The use of Buna S allows a reduction in the percentage of natural rubber.)
Curing bags	:	Buna 3R and Buna 3S
Truck and passenger car inner tubes	:	Buna 3 S or Buna 3 together with a small percentage of Buna 33
Bicycle tires	:	Buna 3 S or Buna 3 (no direct experience)
Bicycle inner tubes	:	Buna 33
Electric wires and cables	:	Buna 33, Buna 3 and Buna 3R
Other rubber goods (mechanical rubber goods, rubber soles, sanitary articles, etc.)	:	Any kind of the above types of Buna can indifferently be used

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NOTE: When special resistance to oils and solvents is required, Perbunan should be used.

f. There are set forth herewith notes on some raw materials necessary for the production of rubber articles referred to in the Tripartite Program:

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1. Synthetic Rubber: No information has as yet been received regarding the characteristics [illegible] which it is considered [illegible] Pro gram [illegible]. It is believed, however, that a [illegible] that the Italian Delegation will be in a position to establish the qualities of synthetic rubber to be sent to Italy.

2. Plastificants: It is confirmed that, if it is not possible to obtain naphtholene, an equal quantity of pine tar or residue tar oils (for example, anthracene oil) would be acceptable.

Koutschol: Should it not be possible to obtain this material, it could be substituted with medium tar oils (for instance, superstone oil.)

3. Chemical Ingredients: It is confirmed that, for the execution of the Transitional Pro gram foreseen for October to December 1945, there is no need of any other chemical ingredients (accelerators and anti-ageing products) besides those contemplated in the Pro gram. Any special ingredients which may be found necessary for use with the American synthetic rubber will be furnished as soon as they have been determined.

4. Solvents: It should be pointed out that the benzole which is used as a solvent in the manufacture of rubber articles is of the so-called Commercial Type 90 benzole, which distills at least 90% at 100°C. It is understood that it corresponds to the so-called American Industrial Benzole.

For the manufacture of chemical ingredients (accelerators and anti-ageing products), there is need for a small quantity of pure crystallizable benzole, beginning and end of distillation respectively 79°C and 82°C. Requirements of said pure benzole for the period from October to December 1945 is about 45 tons (intended for the Veronese plant).

2. Section D, Mineral Products in Lire gram 77. In reply to CCH 203, the Minerals requested under this Section which are stated to be available in Italy are poor in quality. The items requested are high-grade minerals which are to be used in strengthening the low-grade Italian minerals.

a. D-1 Magnesite Calcined: This is the so-called Yard burnt product to be used for the ceramic and refractory industries. The amount requested should be split as follows:

Granulated : 2,000 tons
Bricks : 1,550 Tons
Usual sources of Supply : Yugoslavia and Austria.

Bricks are now be supplied from Austria.

b. D-2 Plastic Clay (Kaolin clay). Purpose: Use in industry (not metallurgic industry as it has been sometimes mentioned). This products was normally imported from France. Other sources are Yugoslavia and Great Britain. The Italian [illegible] for 3,000 tons. No such high-grade

Declassified E.O. 12356 Section 3.3/NND No. 785015

[illegible] of any other chemical ingredients (accelerators and anti-ageing products) besides those contemplated in the Programme. Any special ingredients which may be found necessary for use with the American synthetic rubber will be furnished as soon as they have been determined.

4. Solvents: It should be pointed out that the benzole which is used as a solvent in the manufacture of rubber articles is of the so-called Commercial Type 90 benzole, which distills at least 90% at 100°C. It is understood that it corresponds to the so-called American industrial benzole.

For the manufacture of chemical ingredients (accelerators and anti-ageing products), there is used for a small quantity of pure recrystallizable benzole, beginning and end of distillation respectively 79°C and 82°C. Requirements of solid pure benzole for the period from October to December 1945 is about 45 tons (intended for the Vercurago plant).

2. Section D, Mineral Products in Doc. Air/M 77. In reply to SCAF 203, the minerals requested under this Section which are stated to be available in Italy are poor in quality. The items requested are high-grade minerals which are to be used in strengthening the low-grade Italian minerals.

a. D-1 Magnesite Calcined: This is the so-called dead burnt product to be used for the ceramic and refractory industries. The amount requested should be split as follows:

granulated : 2,000 tons
bricks : 1,350 Tons
Usual sources of Supply : Germany and Austria.

Bricks can now be supplied from Austria.

b. D-2 Plastic Clay (Grolin clay). Purpose: Ceramic industry (not metallurgic industry as it has been sometimes mentioned). This product was normally imported from France. Other sources are Germany and Great Britain. The Italian Minerals Committee fully confirms the request for 7,000 tons. No such high-grade material is obtainable in Italy. The quantity requested is increased to 7,500 tons. The increase of 500 tons includes item D-10, Refractory Plastic, which is identical with item D-2. Item D-10 should therefore be cancelled.

c. D-3 and D-4. Instructions and specifications will follow later.

d. D-5 Clay with high Al_2O_3 content. Used for producing highly refractory material in general, with more than 42% Al_2O_3. Full quantity is requested. Normal sources are France, Germany and Great Britain.

e. D-6 and D-7 specifications will be supplied later.

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3. Corrections to descriptions of various items in the Transitional Program — Mod Airgram 77:

a. E-10 and E-11 Alcohol, technical and medicinal: Both of these items are intended to be the same. Description will follow later.

b. E-35 Trichlorethylene and quantity should be procured.

c. H-5 Solvents. Cancel symbol. Following solvents are requested:

Alcohol	:	30 tons ethyl alcohol 95%
Mineral oil solvents	:	45 tons white spirit, Sp. Gr. .800: Distillation range 140° - 200° C.
15 Tons light solvent gasoline:		distillation range 80° to 130° C.
15 " Medium " "	:	" " 100° to 150° C.
15 " Solvent Kerosene	:	" " 150° to 260° C.

d. I-5 Description is in error. Actually required are the following: Only 8 tons, out of 635 shall be in strips for radio tube construction; required characteristics are as follows:

1 ton extra pure nickel for cathodes, in strips 55 mm. width (tolerance + .2 mm), .5 mm thickness (tolerance + .02 and -.05 mm)
7 tons pure nickel for plates in strips 51 mm width, .15 mm thickness.

The balance of 627 tons should be in ingot form, not strip. This material can be purchased from Driver Harris, Harrison, New Jersey.

e. I-9 to 12: Ballits (Commercial names Dumet, Cupid, Sick). Dimensions are incorrect, the given types and quantities are changed to the following:

I-9	diameter	.25 mm	300 Kgs
I-10	"	.30 "	300 "
I-11	"	.40 "	200 "
I-12	"	.50 "	200 "

Should the required diameters be not available, the total amount of 1,000 Kgs. can be delivered 70% with diameter 16 mils. and 30% diameter 20 mils.

4. Cancellations. The following items and quantities are to be cancelled in the Transitional Program -- Mod Airgram 77:

a. E-21 Aluminum Hydrate : 200 tons.
b. H-5 Benzol is cancelled and other solvents specified.
c. I-25 Platinum for catalytic mats 10 Kgs.
d. I-27 Rhodium for catalytic mats .300 Kgs.
e. [illegible] These items are found in Italy and the request for

Declassified E.O. 12356 Section 3.3/NND No. 785015

15 Tons light solvent refining: distillation range 80° to 130° C.
15 " Medium " " : " " 100° to 150° C.
15 " Solvent Kerosene : " " 160° to 260° C.

d. I-5 Description is in error. Actually required are the following: Only 8 tons, out of 635 shall be in strips for radio tube construction; required characteristics are as follows:

1 ton extra pure nickel for cathodes, in strips 55 mm. width (tolerance ± .2 mm), .5 mm thickness (tolerance ± .02 and -.05 mm) 7 tons pure nickel for plates in strips 51 mm width, .15 mm thickness.

The balance of 627 tons should be in ingot form, not strip. This material can be purchased from Driver Harris, Harrison, New Jersey.

c. I-9 to 12: Boddits (Commercial names Summit, Madrid, Sinit). Dimensions are incorrect, the given types and quantities are changed to the following:

I-9	diameter	.25 mm	500 Kgs
I-10	"	.30 "	300 "
I-11	"	.40 "	200 "
I-12	"	.30 "	200 "

Should the required diameters be not available, the total amount of 1,000 Kgs. can be delivered 70% with diameter 16 mils. and 30% diameter 20 mils.

4. Cancellations. The following items and quantities are to be cancelled in the Transitional Program — MOC Air rev. 77:

a. E-21 Alumina Hydrate : 200 tons.
b. M-5 Benzol is cancelled and other solvents specified.
c. I-26 Platinum for catalytic mats 10 Kgs.
d. I-27 Rhodium for catalytic mats .300 Kgs.
e. P-21 to 30 Incl.: These tubes are found in Italy and the request for imports is therefore cancelled.

5. Additional items to be included in Transitional Program — MOC Air 3793:

a. A-7 Phenol, to be increased from 150 to 650 tons as indicated in MOC 305.

b. P-65 Iron powder: For H.F. coil cores - A satisfactory product is the hydrogen reduced iron powder (300 meshes per inch) delivered by the Charles Hardy Inc., 415 Lexington Avenue, New York. The required amount is 3,000 Kgs; for the quarter, 3 tons.

Declassified E.O. 12356 Section 3.3/NND No. 785015

c. P-66 Bimetallic strips for the construction of thermic relays. For the production program of the 4th quarter 1945, the needs are 3 tons of bimetallic strips, assorted in the following thicknesses: .5, .6, .7, .8, 1.0, 1.3 mm. Satisfactory products are the Invar (36% Ni) and the alloys "20% Ni-6% Mn" and "20% Ni-5% Mo" of Driver-Harris, Harrison, New Jersey.

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Declassified E.O. 12356 Section 3.3/NND No. 785015

Declassified E.O. 12356 Section 3.3/NND No. 785015

(57)

Tel. 549

HEADQUARTERS ALLIED COMMISSION
APO 394
ECONOMIC SECTION
Requisition Branch

HCC/GE/el

Ref: RB-4454/165

16 August 1945

SUBJECT: Allied Materials for Italian Use

TO : AFHQ, G-5 Section, Economics & Supply Division
Attn: Major Carson.

1. It is found that facilities are available in N. Italy for the manufacture of the 300 typewriters in item 1 of the above requisition.

2. It is felt that this item may be deleted.

cc: Communications S/C

H. C. QUATTLEN
Lt. Col., Q.M.C
Economic Section

DUE 55

Director	
D/Director	
Chief Telecoms	
Chief Postal	
H Q., Coms. Z.	
Asst. Chief Postal	
Censorship	
Chief Clerk	

CROSS REFS.	
FILE T.14 C	wd

Date 17 AUG 1945

3702

Declassified E.O. 12356 Section 3.3/NND No. 785015

56

HEADQUARTERS ALLIED COMMISSION
APO 394
Communications Sub-Commission HTWM/epc

T.14.C.56.CS

13th August, 1945

SUBJECT: Allied Supplies for Italian Government

TO: Regional Commissioner, Piemonte Region
Att: Capt. Collyer

1. This Sub-Commission is concerned only with checking the availability of equipment already ordered by the Italian Government for Posts and Telecomms use, with a view to the amendment of the original order on the Allies.

2. It is the responsibility of the Italian Government to obtain that equipment if it is available.

3. Your useful information will be conveyed to the Government, but it is regretted that no information can be supplied by this Sub-Commission to you as regards possibility of contracts, etc.

H.H.SCUDDER
Lt.Colonel,Sig.C.
Director.

File

3701

Declassified E.O. 12356 Section 3.3/NND No. 785015

55

HEADQUARTERS ALLIED COMMISSION
APC 394
Communications Sub-Commission HTWM/epc

T.14.C.55.C3 13th August, 1945

SUBJECT: Allied Materials for Italian Use

TO: Requisition Division, A.C.

REF: Reqn. No.A.C.SIG.-100-45

1. It is found that facilities are available in N.Italy for the manufacture of the 300 typewriters in item 1 of the above requisition.

2. It is felt that this item may be deleted, and that the Italian Government should cover the need in their demands for raw materials.

H.H.SCUDDER
Lt.Colonel,Sig.C.
Director.

Dec 57

3760

PVC/BD

54

HEADQUARTERS
PIEMONTE REGION
ALLIED MILITARY GOVERNMENT
COMMUNICATIONS DIVISION

PR/COMMUN/

9th. August 1945

SUBJECT : Allied supplies for Italian Government -
TO : Director Communications Sub-Commission A/C
FROM : Communications Officer

see 2

1) - With reference to letter T. 14.C.L.CS of 26th. May 1945. I have made enquires regarding certain of the material required.

2) - The Olivetti Firm at Ivrea and the Invicta Firm at Turin are both in a position to continue the manufacture of typewriters.

3) - As the Olivetti Firm manufactures also teleprinters and other equipment, I suggest that in order to spread contracts the order for the 300 typewriters should be given to Invicta.

4) - I have seen the factory which is in good condition and turns out an excellent article.

5) - The question of price could be settled between the Firm's Rome Branch and the Italian Government but I am able to say at this stage, that if the Firm could be supplied with 1200 Kg. of ferrous raw materials the machines could be produced reasonably. If the raw material had to be obtained on the open market the price would doubtless be somewhat higher.

6) - The General Director of the Firm is anxious to plan his production programme. To assist towards this end I should be glad if I could be informed at an early date as to whether the contract would be given to this Firm subject to satisfactory price negotiations.

3699

Declassified E.O. 12356 Section 3.3/NND No. 785015

1945. I have made enquires regarding certain of the material required.

2) - The Olivetti Firm at Ivrea and the Invicta Firm at Turin are both in a position to continue the manufacture of typewriters.

3) - As the Olivetti Firm manufactures also teleprinters and other equipment, I suggest that in order to spread contracts the order for the 300 typewriters should be given to Invicta.

4) - I have seen the factory which is in good condition and turns out an excellent article.

5) - The question of price could be settled between the Firm's Rome Branch and the Italian Government but I am able to say at this stage, that if the Firm could be supplied with 1200 Kg. of ferrous raw materials the machines could be produced reasonably. If the raw material had to be obtained on the open market the price would doubtless be somewhat higher.

6) - The General Director of the Firm is anxious to plan his production programme. To assist towards this end I should be glad if I could be informed at an early date as to whether the contract would be given to this Firm subject to satisfactory price negotiations.

699

P.V. COLLYER Capt.
Regional
Communications Officer

Director	
D/Director	
Chief Telecoms	
Chief Postal	
H Q. Coms O.	
Asst. Chief Postal	
Censorship	
Chief Clerk	

CROSS.	
	Fwd
14.C	

Declassified E.O. 12356 Section 3.3/NND No. 785015

Declassified E.O. 12356 Section 3.3/NND No. 785015

INCOMING MESSAGE

HEADQUARTERS ALLIED COMMISSION

Originator's Reference: 35/00490/CT
Date/Time of Origin: JUL 251200B
Message Centre No: F/1192
Date Time Rec'd: JUL 251605B
Precedence: ROUTINE

FROM: COO 35 ACB

TO : HQ ALLIED COMMISSION COMMUNICATION SUBCOMMISSION APO 394 ROME

UNCLASSIFIED.

To you 24. (?)

Wagons nos 465680 44835 414103 472074 containing cable - weight 56 tons.

DIST

ACTION: Communications SC
INFO: Chief Commissioner
Tn SC 2
File

Director
D/Director
Chief Telecoms
Chief Posts
H Q Coms O
Asst Chief Posts
Censorship
Chief Clerk

Sergt Goldman

Some time ago Maj. Hawke sent off a message (on your file) to Ord re the truck wanted for wire being sent to Rome. Be true to Rogers.

3698

2417

Date 25 AUG 1945

Declassified E.O. 12356 Section 3.3/NND No. 785015

INCOMING MESSAGE

HEADQUARTERS ALLIED COMMISSION

52

Communication

Originator's Reference: DOS.8890 (ORD13)
Date/Time of Origin: JULY 111720B

Message Centre No: E/9461
Date Time Rec'd: JULY 131050
Precedence: ROUTINE

FROM: ORD BRIT AFHQ (ORD 13)

TO : CO 3 SUB DEPOT 557 BOD INFO: HQ ALCOM, COO 557 BOD, 'A' BASE SIG PK COY

RESTRICTED

RESTRICTED.

Notify second addressee date of despatch and wagon number of SIGS/5423 of 29 June. Second addressee 1492 of 9 refers.

HEADQUARTERS
13 JUL 1945
A. F. C.

DIST

INFO-ACTION - COMMUNICATIONS SC
INFO - CHIEF COMMISSIONER
FILE 2
FLOAT

Director
D/Director
Chief Telegrams
Chief Postal
H Q Corps O.
Asst Chief Postal
Censorship
Chief Clerk.

RESTRICTED

CROSS REFS
FILE T.14C
B/Fwd.
3697

Declassified E.O. 12356 Section 3.3/NND No. 785015

51

ECONOMIC SECTION

Date 11-7

Internal

Fr.		To
	Vice President	
	Brig. Anderson	
	Col. Walton	
	Lt. Col. Martino	
	Lt. Col. Murtagh	
	Lt. Col. Quartier	
	Maj. Smith	
	Maj. Tooby	
	C. A. Cerrito	
	Capt. Atkins	
	Capt. Williams	
	Capt. Highland	
	Lt. Morgan	
	Lt. Barber	
	Mr. Stauffer	
	Chief Clerk	
	Lt. Aronsberg	

External

Fr.		To
	ECONOMIC SECTION	
	AGRICULTURE SUB-COMMISSION	
	COMMERCE " "	
	FINANCE " "	
	FOOD " "	
	INDUSTRY " "	
	LABOR " "	
	P.W. & U. " "	
	TRANSPORTATION "	
	CHIEF COMMISSIONER	
	PRICE SECTION	
✓	REQUISITION BRANCH	
	EXECUTIVE COMMISSIONER	
	Communications S/C	
	CIVIL AFFAIRS SECTION	
	ESTABLISHMENT SECTION	

For Appropriate Action	Noting & Retention ✓
Remarks/Recommendation	Signature
Dispatch	Investigation & Report
Information	File Copy
Circulation & Return	Noting & Return

Remarks:

MOC airgram 97

NOTE:
1. Notations to be made on correspondence - Not on Buck Slip.
2. When correspondence is ready for file - Please write word "FILE" and brief note on correspondence - NOT on Buck Slip.

Director	
D/Director	
Chief, Telecomms	
Chief, Postal	
H Q. Comm. O.	
Asst Chief Postal	
Censorship	
Chief Clerk.	

3696

CROSS. REFS.	
FILE T.14.c	B/fwd.

Date 11 AUG 1945

Declassified E.O. 12356 Section 3.3/NND No. 785015

Following folios now in file T14B.

41-42 : T14c/42/CS of 2nd July

43 : T14c/43/CS of do.

44 : T14c/44/CS of 4th July

46 : T14c/46/CS of 8th July

48 : Message 1492 of 9th July

49 : Message from 557 BOD of 8th July.

RESTRICTED HEADQUARTERS ALLIED COMMISSION RESTRICTED
APO 394
Economic Section

MOC AIRGRAM 77, 10 July 1945 VIA OFFICER-COURIER

FROM: ALCOM CITE ACECO

TO : CCAC FOR CLAC

SUBJECT: Revision of Program of Essential Italian Imports 1945.

1. Reference is made to COM 134 and MOC AIRGRAM 57.

2. The Central Economic Commission of the C.L.N.A.I., at the request of the Italian Government, has prepared a Transitional Program of Essential Imports to cover the period September - December 1945. Section 1 of this Transitional Program, covering the month of September, was sent to the Combined Liberated Areas Committee as MOC Airgram 57.

3. The Central Economic Commission has prepared two further sections of the Transitional Plan, one covering the month of October 1945 and the other the two months November and December 1945.

4. The attached list of requirements for the quarter October - December 1945 is a summation of the two lists prepared by the Central Economic Commission, modified in certain details in Allied Commission.

5. Until some firm statement can be made to them as to the fate of the Category A portion of the Program of Essential Italian Imports 1945, it has been decided not to ask the Italian Government to enter into any firm commitment for the financing of all or part of this October-December Transitional Program.

6. The consolidated list of requirements for October-December is therefore forwarded to CLAC (S) as a guide against which specific requisitions can be prepared in Washington by the Italian Technical Mission; this is a proposed extension of the procedure on the September Section (MOC Airgram 57) adopted by CLAC (S) (See paragraph 6 of CLAC (S) 22).

7. The adoption of this procedure is not, however, to be taken as indicating that the October-December Section of the Transitional Program is accepted (as was the September Section) by the Italian Government as a charge on its Category B funds (see para 5 above). When definite information is received on the status of the Category A program and on any new procedures which may be entailed if the $ 100,000,000 FEA appropriation

Declassified E.O. 12356 Section 3.3/NND No. 785015

was sent to the Combined Liberated Areas Committee as MOC Airgram 57.

3. The Central Economic Commission has prepared two further sections of the Transitional Plan, one covering the month of October 1945 and the other the two months November and December 1945.

4. The attached list of requirements for the quarter October - December 1945 is a summation of the two lists prepared by the Central Economic Commission, modified in certain details in Allied Commission.

5. Until some firm statement can be made to them as to the fate of the Category A portion of the Program of Essential Italian Imports 1945, it has been decided not to ask the Italian Government to enter into any firm commitment for the financing of all or part of this October-December Transitional Program.

6. The consolidated list of requirements for October-December is therefore forwarded to CLAC (S) as a guide against which specific requisitions can be prepared in Washington by the Italian Technical Mission; this is a proposed extension of the procedure on the September Section (MOC Airgram 57) adopted by CLAC (S) (See paragraph 6 of CLAC (S) 22).

7. The adoption of this procedure is not, however, to be taken as indicating that the October-December Section of the Transitional Program is accepted (as was the September Section) by the Italian Government as a charge on its Category B funds (see para 5 above). When definite information is received on the status of the Category A program and on any new procedures which may be entailed if the $ 100,000,000 FEA appropriation is approved, it may be necessary to submit that certain items in the October-December Transitional Program should be treated as Category A items under either the old or a new definition.

2694

8. Translations of the explanatory notes which accompanied the October and November/December programs prepared by the Central Economic Commission are transmitted herewith for information. These papers do not reflect the modifications introduced in the lists by Economic Section, AC.

9. In COM 134 CLAC stressed that this October-December program should reach Washington not later than 15 July. In order to meet this deadline Allied Commission has pressed the Italian Government to produce the best possible estimate of its requirements that could be made in the time available. Because of the time shortage the review of these requirements in Allied Commission has necessarily been superficial. Any inconsistencies which may subsequently come to light will be dealt with in later messages.

Declassified E.O. 12356 Section 3.3/NND No. 785015

10. The total coal requirement shown in the lists is 1,230,000 tons. This is the figure remaining after deleting 210,000 tons of metallurgical coke reckoned by the Central Economic Commission as a necessary import but deleted by Allied Commission on the grounds that sufficient coke will be produced in Italy to meet her needs during the last quarter. The requirements listed in the program are therefore related to a total coal and coke requirement of 1,440,000 tons. Coal Division, AC, program of coal importation for the last quarter of 1945 is based on 368,000 tons a month or a total of 1,104,000 tons for the quarter, which is lower than the Italian estimated requirement by 300,000 tons.

11. The requirements of petrol, oils and lubricants included in the plan have been submitted to Petrol Section, AFHQ, whose comments, when received, will form the subject of a further airgram.

Distribution

Combined Civil Affairs Committee
(Combined Liberated Areas Committee)
3C-866 Pentagon Building
Washington 25, D. C. 15 copies

The Directorate of Civil Affairs
War Office, Whitehall, London, S. W. 1 4 copies

Allied Force Headquarters, APO 512
(For Assistant Chief of Staff, G-5) 5 copies

Secretary
Interministerial Committee for Reconstruction
Rome, Italy 10 copies

Allied Commission:
Economic Section
Supply Division 8 copies

3693

Declassified E.O. 12356 Section 3.3/NND No. 785015

Transitional Program of Essential Italian Imports 1945
Section 2 - October

Imports of Supplies and Raw Materials Essential for the Reactivation of Italian Industry

	Page
1. Present working capacity of the Italian transport system.	1.
2. Requirements of coal, allocation among industry groups and expected production.	1.
3. Degree of employment rendered possible by the provision of raw materials in the quantities requested in the Plan.	5.
4. Classification and weight of supplies and raw materials requested.	7.

Declassified E.O. 12356 Section 3.3/NND No. 785015

Translation

Transitional Program of Essential Italian Imports 1945
Section 2 - October

1. Present working capacity of the Italian transport system.

Destruction by war and removal by the enemy have reduced the main classes of railway rolling-stock in Italy as follows:

	1938	October 1945 1/	Reduction from 1938	Percent remaining
Steam locomotives	4,165	1,931	2,234	46%
Electric locomotives	1,316	465	851	35%
Freight cars	128,750	45,000	83,750	35%

In assessing the effect of destruction it should be borne in mind that the use which can be made of the present rolling-stock is lower than in 1938 because of destruction of and damage to the fixed installations; on the other hand, in 1938 the freight cars then available were not fully utilized and, moreover, the 1938 car turn-round could be considerably improved upon.

Taking into account these opposing factors it is calculated that with the disposable rolling-stock a volume of traffic could be handled equal to 35% of pre-war.

In 1939 there were in Italy about 130,000 motor trucks: this number has been reduced to 45,000 units, i.e., to a capacity equal to 35% of pre-war.

It is reckoned that the carrying capacity of the coastal shipping has been reduced in the same proportion: the contribution of internal water transport, in the country as a whole, is comparatively negligible.

It is concluded that the capacity of the Italian transport system can be assessed at about 35% of pre-war traffic.

2. Requirements of coal, allocation among industry groups and

Declassified E.O. 12356 Section 3.3/NND No. 785015

Steam locomotives	4,165	1,931	2,234	46%
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It is concluded that the capacity of the Italian transport system can be assessed at about 35% of pre-war traffic.

2. Requirements of coal, allocation among industry groups and expected production.

3691

Since many of the plants which use coal are located on the coast and the internal transport system is therefore not burdened, it is reckoned that the quantity of coal which can be utilized by the Italian economy should be reduced in a less proportion than that in which the capacity of the transport system has been reduced. Specifically, whereas the transport capacity is reduced to 35%, the need of coal comes down only to 40%.

1/ Taking into account repairs and new construction which can be made in the period June through September.

Declassified E.O. 12356 Section 3.3/NND No. 785015

On the basis of a normal Italian consumption of 1,200,000 tons per month the requirement for October is 480,000 tons.

This quantity is allocated among the different industry groups in the following proportions:

Allocation of Coal

	Normal Monthly Consumption (000 tons)	Allocation for October 1945 (000 tons)	Percentage of normal consumption %
Railways	150	50	33
Gas Works	125	36	30
Coking plants	90	44	50
Blast-furnaces	60	5	8
Steel-works	80	27	33
Non-ferrous metals	25	8	33
Mechanical engineering	30	15	50
Lime, cement and bricks	150	75	50
Earthenware and glass	35	17	50
Textiles and clothing	37	18	50
Rayon	28	9	33
Chemicals	100	50	50
Rubber	10	6	60
Paper	16	7	60
Cellulose	7	-	-
Sugar	25	-	-
Other foodstuffs	45	30	66
Electricity	40	8	20
Various industries	50	25	50
Domestic use	112	50	45
	1,215	480	40%

The following observations are made on the above allocations.

Railways: The allocation to the railways is proportionate to remaining freight cars.

Gas Works: An allocation of 30% of normal corresponding to an average between 40% of normal for the provinces of central and southern Italy where there is no electrical power available and 20% of normal for the provinces of the north where there is a greater possibility of obtaining supplies of electricity for domestic purposes.

3690

Coking plants: For the month of September 30,000 tons of coal were requested, sufficient for starting up and for the building up of

Declassified E.O. 12356 Section 3.3/NND No. 785015

Steel-works	80	27	33
Non-ferrous metals	25	8	33
Mechanical engineering	30	15	50
Lime, cement and bricks	150	75	50
Earthenware and glass	35	17	50
Textiles and clothing	37	18	50
Rayon	28	9	33
Chemicals	100	50	50
Rubber	10	6	60
Paper	16	7	60
Cellulose	7	-	-
Sugar	25	-	-
Other foodstuffs	45	30	66
Electricity	40	8	20
Various industries	50	25	50
Domestic use	112	50	45
	1,215	480	40%

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3690

Coking plants: For the month of September 30,000 tons of coal were requested, sufficient for starting up and for the building up of initial stocks. For October the request is raised to 44,000 tons with a view to resumption of full production, which can take place between the end of October and the beginning of November.

Blast Furnaces: In October the only plant in production will be that of Ilvania with an output of 4,000 tons of pig-iron.

Steel Works: The steel industry will produce in October: 30,000 tons of steel from electric furnaces; 15,000 tons of steel from Martin fur-

Declassified E.O. 12356 Section 3.3/NND No. 785015

naces, using 10,000 tons of coal; 15,000 tons of pig-iron from electric furnaces which should be added to the 4,000 tons to be produced at Ilvania.

A further 17,000 tons of coal is requested for rolling the 48/50,000 tons of steel which are available and for other processing.

Because of the limited production of steel in October it is necessary to cover by importation some of the needs of steel products, among which are homogeneous iron in bars and in strips (8,000 tons), tinplate (4,000 tons), and magnetic sheets (1,800 tons).

Non-ferrous metals: With an allocation of 8,000 tons of coal it is expected that the non-ferrous metal group will be restarted with an output one third of normal.

Mechanical engineering: The allocation to this group has been fixed at 15,000 tons in view of the fact that 6/7,000 tons of fuel are required for railway and automobile construction plants which will be employed to their maximum capacity. The automobile industry will produce in October 2,485 medium trucks, 455 heavy trucks and 4,950 motor cars (or light trucks). The group producing railway materials, in addition to undertaking important repair work, will produce about 1,000 new freight cars. The electrical engineering industry will be in a position to work at full capacity, applying itself especially to reconstruction and repair of electric power plants and to the production of railway requirements.

Lime, cement and bricks: An allocation equal to 50% of normal consumption will provide for a production of 525,000 tons of cement with a consumption of 60,000 tons of coal and leave 10,000 tons of coal for the production of lime and bricks over and above any allocation of coke.

Earthenware and glass: A 50% reactivation is planned for both sections, which are especially important for the production of insulators and sheet-glass.

Textiles, clothing and [illegible]: The allocations of coal and specific raw materials to various sections of the textile industry are set out in the following table.

Section	Coal Tons	Other Materials Tons
Cotton		Cotton 6,000
Wool for textiles		Washed wool 1,000

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Declassified E.O. 12356 Section 3.3/NND No. 785015

expected that the non-ferrous metal group will be restarted with an output one third of normal.

Mechanical engineering: The allocation to this group has been fixed at 15,000 tons in view of the fact that 6/7,000 tons of fuel are required for railway and automobile construction plants which will be employed to their maximum capacity. The automobile industry will produce in October 2,485 medium trucks, 455 heavy trucks and 4,950 motor cars (or light trucks). The group producing railway materials, in addition to undertaking important repair work, will produce about 1,000 new freight cars. The electrical engineering industry will be in a position to work at full capacity, applying itself especially to reconstruction and repair of electric power plants and to the production of railway requirements.

Lime, cement and bricks: An allocation equal to 50% of normal consumption will provide for a production of 325,000 tons of cement with a consumption of 65,000 tons of coal and leave 10,000 tons of coal for the production of lime and bricks over and above any allocation of coke.

Earthenware and glass: A 50% reactivation is planned for both sections, which are especially important for the production of insulators and sheet-glass.

Textiles, clothing and rayon: The allocations of coal and specific raw materials to various sections of the textile industry are set out in the following table.

Section	Coal Tons	Other Materials Tons
Cotton Wool for textiles Wool for felts Jute Hemp Rayon	18,000	Cotton 6,000 Washed wool 1,000 " " 250 Jute 1,000 - Cellulose 3,000

With the above allocations it will be possible to reactivate the industry to about 50% of its capacity, except that for rayon the percentage will be 25%. The textile industry as a whole will have 40% of the supplies worked in 1938.

Chemicals: 50% of normal consumption is allocated to the chemical industry to resume production of a number of products which are basically essential to most branches of industry.

50,000 tons of phosphor rock have been requested equivalent to 75% of normal consumption.

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Declassified E.O. 12356 Section 3.3/NND No. 785015

It is desirable that production for the 1946 season should start in October. Italian consumption of sulphate before the war averaged 120,000 tons a year requiring 30,000 tons of copper. For 1946 this consumption could be reduced to 80,000 tons with a corresponding need of 20,000 tons of copper. As production should be completed by April 1946 there is a monthly requirement of blister copper - from October through April - of 3,000 tons, which is in addition to the 10,000 tons of copper (electrolytic and in wire bars) requested for other purposes, especially for electrical engineering.

Rubber: It is not proposed to produce synthetic rubber. 1,300 tons of rubber are required for the rubber and cable industries, equivalent to 65% of normal consumption: the corresponding consumption of coal is 6,500 tons.

Paper Mills: The importation of 8,000 tons of cellulose and an allocation of 7,000 tons of coal is planned for the paper industry. The production thus obtained will be about 60% of normal. It is not proposed to resume production of cellulose.

Foodstuffs: The allocation of 70% of normal consumption to the food preserving industry is justified by the necessity to utilize perishable agricultural products (milk, meat, fruit, yeast and vegetables) to the maximum and to augment the production of rationed foodstuffs for civil consumption.

An even more indispensable requirement, in addition to the foregoing, springs from the necessity for the daily baking of bread, especially in large centers where supplies of wood are not always obtainable.

Electricity: In October the electric power industry should not need to consume coal: the 20% allocation indicated would serve to start replenishment of the bunkers of the thermal power plants.

Various industries: The allocation is equivalent to 50% of normal consumption. The following industries (among others) belonging to this group have no significant consumption of coal but require other important raw materials:

a. Leather and shoes: It is proposed to reactivate to 70% of productive capacity and it is therefore planned to import hides to augment the national supply.

b. Timber: To meet first needs it is necessary to plan for an importation of 150,000 tons of timber equal to 30% of pre-war consumption. It is to be borne in mind that the internal needs have greatly increased on account of reconstruction requirements. National production is reduced to a minimum because of the irrational felling during the last ten years.

3688

Declassified E.O. 12356 Section 3.3/NND No. 785015

proposed to resume production of cellulose.

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An even more indispensable requirement, in addition to the foregoing, springs from the necessity for the daily baking of bread, especially in large centers where supplies of wood are not always obtainable.

Electricity: In October the electric power industry should not need to consume coal: the 20% allocation indicated would serve to start replenishment of the bunkers of the thermal power plants.

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b. Timber: To meet first needs it is necessary to plan for an importation of 150,000 tons of timber equal to 30% of pre-war consumption. It is to be borne in mind that the internal needs have greatly increased on account of reconstruction requirements. National production is reduced to a minimum because of the irrational felling during the last two years.

3688

c. Electric light bulbs: The raw materials requested correspond to a production of 2½ million bulbs, equivalent to 50% of normal production.

Domestic use: The impoverishment of Italian forests has resulted in an availability of fuel for domestic purposes which is small in comparison with the need. 50,000 tons have therefore been allocated to this section.

Declassified E.O. 12356 Section 3.3/NND No. 785015

3. Degree of employment rendered possible by the provision of raw materials in the quantities requested in the Plan.

The Italian Census of 1936 records employment in industry as. . . . . 5,375,000 persons.
Of these, however, ... 1,001,000 persons were recorded as employers, small employers and tradesmen not strictly classifiable as employed in industry,

Therefore, the number directly employed in industry is. . . . . 4,374,000 persons

The following table shows the division of this total among the various sections as given in the Industrial Census of 1937-40 and the employment expected in October 1945 on the basis of the allocations asked for in this Plan.

	Normal employment (000)	Employment expected in October '45 (000)	Percentage %
Industry:			
Extractive	137	86	63
Timber	283	215	76
Foodstuffs and fishing	669	415	62
Metallurgy	104	30	30
Mechanical engineering	847	389	46
Non-metallic minerals	207	181	87
Building	559	300	54
Chemicals	128	73	57
Paper	56	20	36
Printing	70	30	42
Leather	215	123	57
Textiles	629	255	40
Clothing	309	200	66
Power and gas	42	40	95
Miscellaneous	119	90	75
	4,374	2,447	56%

The above table shows a difference between normal employment and employment estimated for October of about 2,000,000 persons. Any broad assessment of the unemployment situation in October must, however, take into account that in the last few years, owing to military call-up and to the employment of workers outside Italy, new

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	Normal employment (000)	Employment expected in October '45 (000)	Percentage %
Industry:			
Extractive	137	86	63
Timber	283	215	76
Foodstuffs and fishing	669	415	62
Metallurgy	104	30	30
Mechanical engineering	847	389	46
Non-metallic minerals	207	181	87
Building	559	300	54
Chemicals	128	73	57
Paper	56	20	36
Printing	70	30	42
Leather	215	123	57
Textiles	629	255	40
Clothing	309	200	66
Power and gas	42	40	95
Miscellaneous	119	90	75
	4,374	2,447	56%

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The above table shows a difference between normal employment and employment estimated for October of about 2,000,000 persons. Any broad assessment of the unemployment situation in October must, however, take into account that in the last few years, owing to military call-up and to the employment of workers outside Italy, new labor has been drawn into various industry groups from the rural areas or from the female population. With the return to civil life of the conscripted men and the return of workmen now abroad there will be a body of workers dependent on industry numbering considerably more than the 4,374,000 recorded in the 1937-40 census. Consideration must also be given to the effect of a limited industrial production on employment in commerce (which, according to the 1936 census, employed 1,500,000 persons), in transport and communications (702,000), as well as in the classes of small employers included in the Industrial Census and numbering 1,000,000, who, as pointed out above, are not included in the table. It must also be remembered that progressive resumption of work in the various stages of production and the need to build up stocks, both in industry and in commerce, may well retard the effect of imports on industrial employment.

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In conclusion, it can be estimated that, even with the supplies asked for in this plan, unemployment in Italy may be of the order of 3,000,000 or more persons.

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PART III

NOVEMBER - DECEMBER

IMPORTATIONS OF RAW MATERIALS
AND
ITEMS ESSENTIAL FOR THE REACTIVATION OF ITALIAN INDUSTRY

TRANSITIONAL PROGRAM 1945

CENTRAL ECONOMIC COMMISSION

COMMITTEE OF NATIONAL LIBERATION OF NORTH-ITALY

C. L. N. A. I.

TRANSLATION

TRANSITIONAL PROGRAM 1945
SECTION: NOVEMBER - DECEMBER

1. Possibilities of improving the Italian System of transportation.

The Allied Commission has requested that the list of requirements for the whole transitional Program 1945 should be prepared therefore presenting the requirements for the period November-December, that was not included in the two sections previously submitted.

As regards their request, that has been forwarded for information to all the Industrial Committees on the 28th of the past month, lists of requirements have been made and are attached in Appendix A.

As for the policy followed in making up the November-December section of the plan, it is pointed out that, unfortunately there is no possibility in these two months of counting on any greater progress as compared with the previous two months. In fact the crisis of means of transport will not have been solved much by the production and repairs made during the two previous months, and we have no information as to the eventual allocation of military vehicles, to be used to integrate the deficient railway and motor transport system of Italy.

Considering however the military situation in Italy, it seems likely that before November a certain allocation of military vehicles may be obtained; in that case it would be possible to exploit the Italian industry at a higher rate than at present. It is also to be remembered that the transitional program has been made in monthly sections on purpose so as to be able to take into consideration extraordinary increments in the Italian traffic capacities.

The industrial production in November-December that it will be possible to obtain with the available transport system, will certainly not be above the preceding months' production, and it will leave an unemployment estimated at not less than 2,000,000.

Owing to the necessity of reducing this unemployment and at the same time of obtaining a further availability of industrial products it is probable that supplementary requests for raw materials may be forwarded, as soon as we are informed of the Allied decisions as regards the "surplus" of vehicles existing in the Mediterranean theatre that could be assigned to Italy.

2. Variations introduced in the November-December Section in comparison with the previous months.

The slightly greater capacity of the transport system was made use of particularly in the following sectors:

Gas works: The increased requirements of the civilian popula- 2684
tion during the winter months of November and December call for a greater

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compared with the previous two months. In fact the crisis of means of transport will not have been solved much by the production and repairs made during the two previous months, and we have no information as to the eventual allocation of military vehicles, to be used to integrate the deficient railway and motor transport system of Italy.

Considering however the military situation in Italy, it seems likely that before November a certain allocation of military vehicles may be obtained; in that case it would be possible to exploit the Italian industry at a higher rate than at present. It is also to be remembered that the transitional program has been made in monthly sections on purpose so as to be able to take into consideration extraordinary increments in the Italian traffic capacities.

The industrial production in November-December that it will be possible to obtain with the available transport system, will certainly not be above the preceding months' production, and it will leave an unemployment estimated at not less than 2,000,000.

Owing to the necessity of reducing this unemployment and at the same time of obtaining a further availability of industrial products it is probable that supplementary requests for raw materials may be forwarded, as soon as we are informed of the Allied decisions as regards the "surplus" of vehicles existing in the Mediterranean theatre that could be assigned to Italy.

2. <u>Variations introduced in the November-December Section in comparison with the previous months.</u>

The slightly greater capacity of the transport system was made use of particularly in the following sectors:

<u>Gas works:</u> The increased requirements of the civilian population during the winter months of November and December call for a greater allocation of coal to the gas works. The 36,000 tons allocated in the month of October has therefore been brought up to 50,000 tons a month. It must be remembered that during November, in Northern Italy, the winter scarcity of flow in the rivers begins and that therefore the amount of electric power available for domestic purposes is considerably reduced. 684

<u>Chemical coke works:</u> The allocation of coal to the chemical coke works is increased from 44,000 to 70,000 tons a month on account of the necessity of giving as much power as possible to this sector which is bound up with the production of nitrogenous fertilizers and many other products which are vital for our industries. During the months of November-December the coke works will be able to increase their production considerably as they will have put their plants in order pre-

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viously and the batteries will have been started up.

Iron and steel and other metals: The allocation of coal has been raised from 27,000 to 40,000 tons a month to allow for the gradual reactivation of the iron and steel industries so indispensable for the revival of all other industrial branches and from 8,000 to 12,000 for the non-ferrous metals. The requests for iron and steel supplies - iron rods and strips, bars, timplate, magnetic sheets - are lower than those for October, account having been taken of the greater local production.

Chemical industries: The increase of 10,000 tons of coal a month (from 50,000 to 60,000) is justified by the necessity of increasing production, which is indispensable for industrial recovery. The availability of by-products of the coking plants will make possible the restarting of important chemical plants.

Electrical industries: In the month of November it is necessary to begin compensating for the decreased amount of electricity produced by the hydroelectric stations by making use of coal-produced electric power and therefore it will be necessary to bring the allocation of coal up to 25,000 tons a month.

Domestic uses: It is estimated that it will be necessary to allocate 100,000 tons of coal a month corresponding to 35/40% of the normal consumption in the winter months.

For non-ferrous metals, mechanical production, rubber and rayon sectors slight increases in the allocation of coal are foreseen in relation to the gradual development of activity in November and December.

For the foodstuff/industries, on the other hand it is foreseen that a reduction in allocation of coal will take place, (from 30,000 to 20,000 tons a month) in view of the reduced activity of this sector in the winter months.

It must be remembered that the total amount of coal - 604,000 tons - corresponding to about 50% of the average monthly consumption is not more than 40% of the consumption of coal in November and December in normal times.

It is for the same reason that, in the following table, the percentage values referring to the monthly averages are not shown, as they have no real meaning because of the seasonal differences in consumption.

Coal Distribution

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Electrical industries: [illegible] to begin compensating for the decreased amount of electricity produced by the hydroelectric stations by making use of coal-produced electric power and therefore it will be necessary to bring the allocation of coal up to 25,000 tons a month.

Domestic uses: It is estimated that it will be necessary to allocate 100,000 tons of coal a month corresponding to 35/40% of the normal consumption in the winter months.

For non-ferrous metals, mechanical production, rubber and rayon sectors slight increases in the allocation of coal are foreseen in relation to the gradual development of activity in November and December.

For the foodstuff/industries, on the other hand it is foreseen that a reduction in allocation of coal will take place, (from 30,000 to 20,000 tons a month) in view of the reduced activity of this sector in the winter months.

It must be remembered that the total amount of coal - 604,000 tons - corresponding to about 50% of the average monthly consumption is not more than 40% of the consumption of coal in November and December in normal times.

It is for the same reason that, in the following table, the percentage values referring to the monthly averages are not shown, as they have no real meaning because of the seasonal differences in consumption.

Coal Distribution

	Monthly Allocation	Allocation for Nov. & Dec.
Railways	50,000 tons	100,000 tons
Gas works	50,000 "	100,000 "
Chemical coke works	60,000 "	120,000 "
Furnace coke works	5,000 "	10,000 "
Iron & steel industry	40,000 "	80,000 "
Non-ferrous metals industry	12,000 "	24,000 "
Mechanical industry	20,000 "	40,000 "
Lime, cement, brick works	75,000 "	150,000 "
Earthenware & glass factories	17,000 "	34,000 "
Textile & clothing industry	18,000 "	36,000 "
Rayon industry	12,000 "	24,000 "
Chemical industry	60,000 "	120,000 "
Rubber industry	8,000 "	16,000 "
Cellulose industry	-	-
Paper industry	7,000 "	14,000 "

(continued on Page 3)

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Coal Distribution
(continued)

	Monthly Allocation	Allocation for Nov. & Dec.
Sugar industry	-	-
Other alimentary industry	20,000 tons	40,000 tons
Electrical industry	25,000 "	50,000 "
Various industry	25,000 "	50,000 "
Domestic uses	100,000 "	200,000 "
	604,000 tons	1,208,000 tons

From the above amount of 604,000 tons of coal a month, must be subtracted national production, calculated at 90,000 tons a month, as for the month of October, in consideration of the uncertain conditions in Istria.

The entire requirements of coal for the period November - December amount therefore to 1,030,000 tons.

The requests of other materials for the same period and for a quantity amounting to 1,130,000 tons, were made in relation to the program of activities which it is possible to carry out, in the various industrial sectors, with the quantities of coal allocated.

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RESTRICTED

RESTRICTED

Transitional Program of Essential Italian
Imports 1945 Section 2 - (October - December)

APPENDIX A

Imports of Supplies and Raw Materials Essential for the
Reactivation of Italian Industry

1. Quantities given below are requirements for the entire Fourth Quarter (October through December) 1945.

2. Quantities requested for Section 1 - September 1945 - are set out in Appendix A to MOC Airgram 57 of 30 May 1945.

3. References in Columns 4 and 5 are to the Program of Essential Italian Imports 1945.

Description (1)	Unit (2)	Requested for Oct. - Dec. (3)	Requisition (4)	Item No. (5)
A. Fuels, solid and liquid, and derivatives				
1. Steam coal	m.ton	600,000)		
2. Gas & coking coal	"	320,000)		
3. Coal for furnaces & gas producers	"	150,000)	VI-(a)	
4. Anthracite	"	80,000)		
5. Benzol	"	1,800	-	-
6. Petroleum coke	"	10,000	I-213	3
7. Resins (phenolic, cresylic, ureic)	"	110	I-231	2
8. Xylol	"	30	-	-
9. Phenol	"	150	I-231	3
10. Paraffin wax, refined 122/124	"	990	QM-116	1
B. Mineral oils and derivatives				
1. Gasoline for automobiles	"	3,000)		
2. Kerosene for lamps	"	15,500)		
3. Kerosene for agricultural use	"	35,000)		
4. Gasoil for transportation and agriculture	"	50,500)	POL	-
5. Heavy Diesel oil and naptha for boiler firing	"	50,000)		
6. Bitumen for road surfacing	"	40,000)		
7. Oil, Bearing, for railways	"	180)		
8. Oil for light machinery & motors (Light & Medium transmission) Viscosity Engler 3.5 to 5.5	"	2,560)		

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Description (1)	Unit (2)	Requested for Oct. - Dec. (3)	Requisition (4)	Item No. (5)
A. Fuels, solid and liquid, and derivatives				
1. Steam coal	m.ton	660,000)		
2. Gas & coking coal	"	320,000)		
3. Coal for furnaces & gas producers	"	150,000)	VI-(a)	
4. Anthracite	"	80,000)		
5. Benzol	"	1,800	-	-
6. Petroleum coke	"	10,000	I-213	3
7. Resins (phenolic, cresylic, ureic)	"	110	I-231	2
8. Xylol	"	30	-	-
9. Phenol	"	150	I-231	3
10. Paraffin wax, refined 122/124	"	990	QM-116	1
B. Mineral oils and derivatives				
1. Gasoline for automobiles	"	3,000)		
2. Kerosene for lamps	"	15,500)		
3. Kerosene for agricultural use	"	35,000)		
4. Gasoil for transportation and agriculture	"	50,500)	POL	-
5. Heavy Diesel oil and naptha for boiler firing	"	50,000)		
6. Bitumen for road surfacing	"	40,000)		
7. Oil, Bearing, for railways	"	180)		
8. Oil for light machinery & motors (Light & Medium transmission) Viscosity Engler 3.5 to 5.5	"	2,560)		308
9. Oil, machine (Viscosity Engler 5.5 to 10)	"	1,460)		310
Oil, automobiles:				
10. Viscosity S.A.E. 10	"	210)		313
11. Viscosity S.A.E. 20	"	960)		314
12. Viscosity S.A.E. 30	"	500)		-
13. Viscosity S.A.E. 50	"	240)		315
14. Oil, emulsionable	"	120)	I-221	318
15. Oil, cutting, 7 L.L.S., Sap 5%	"	560)		301

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APPENDIX A Continued.

(1)	(2)	(3)	(4)	(5)
16. Oil, transformer	m.ton	4,000	I-221	316
17. Grease for low-speed bearings	"	150		319
18. Grease, yellow, Stauffer type	"	240		321
19. Oil for saturated steam cylinders	"	300		-
20. Oil for superheated steam cylinders	"	180		-
C. Animal and vegetable oils and oil-seeds				
1. Animal oils for tanning and textiles (fish-oils)	"	2,800	-	-
2. Sulphur oil	"	17,500	QM-245	1
Oil seeds:				
3. Linseed & castor	"	14,000	-	-
4. Ground nuts & other edible oils	"	59,000	-	-
5. Indian coconut oil	"	28,000	-	-
6. Fats for soap-making	"	1,750	-	-
D. Mineral Products				
1. Magnesite calcined	"	3,350	I-230	23
2. Plastic clay (Si 45-50% Al 32-38%) for mixing with inferior Italian clays for industrial ceramics.	"	7,000	-	-
3. Fluor spar	"	160	I-230	25
4. Cryolite	"	420	-	-
5. Clay with high Al_2O_3 content	"	35,000	-	-
6. Chromite (40-50% Cr_2O_3)	"	4,500	I-230	24
7. Manganese ore	"	17,500	-	-
8. Graphite silvery	"	150	I-230	28
9. Kaolin for high-resistance insulators	"	7,000	-	-
10. Refractory plastic	"	500	-	-
E. Chemical and pharmaceutical products				
1. Glycerin	"	30	I-244	33
2. Turpentine (pinene)	"	700	I-221	284
3. Colophony	"	2,500	QM-245	2

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2. Sulphur oil				
Oil seeds:	"	14,000	-	-
3. Linseed & castor	"	59,000	-	-
4. Ground nuts & other edible oils	"	28,000	-	-
5. Indian coconut oil	"	1,750	-	-
6. Fats for soap-making				
D. Mineral Products				
1. Magnesite calcined	"	3,350	I-230	23
2. Plastic clay (Si 45-50% Al 32-38%) for mixing with inferior Italian clays for industrial ceramics.	"	7,000	-	-
3. Fluor spar	"	160	I-230	25
4. Cryolite	"	420	-	-
5. Clay with high Al_2O_3 content	"	35,000	-	-
6. Chromite (40-50% Cr_2O_3)	"	4,500	I-230	24
7. Manganese ore	"	17,500	-	-
8. Graphite silvery	"	150	I-230	28
9. Kaolin for high-resistance insulators	"	7,000	-	-
10. Refractory plastic	"	500	-	-
E. Chemical and pharmaceutical products				
1. Glycerin	"	30	I-244	33
2. Turpentine (pinene)	"	700	I-221	284
3. Colophony	"	2,500	QM-145	2
4. Naphtalene, distilled	"	350	-	-
5. Butylic alcohol	"	240	I-231	3
6. Benzoic acid	"	60	-	-
7. Cresilyc acid	"	150	-	-
8. Atropine sulphate	"	0.003	-	-
9. Ethylenic glycol	"	6.	-	-
10. Bismuth, technical	"	9	-	-
11. Bismuth, medicinal	"	4.800	I-244	10/11
12. Aeroflot 15%	"	1.500	-	-
13. " 25%	"	0.450	-	-
14. " 31%	"	1.500	-	-
15. Pine oil	"	7.800	-	-
16. Frother	"	0.900	-	-
17. Gefanol	"	0.600	-	-
18. Flotol S.2	"	0.600	-	-
19. Agar-Agar (Kobo)	"	3.300	-	-
20. Succinic acid	"	0.450	-	-
21. Alumine hydrate	"	200	-	-
22. Caffein	"	1.140	I-244	14

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ANNEX A Continued

(1)	(2)	(3)	(4)	(5)
23. Quinine sulphate	M.ton	1,800	-	-
24. Cocaine	"	0.009	I-244	24
25. Ephedrine laevo-gyrous	"	0.270	I-244	30
26. Emetine	"	0.009	I-244	28
27. Euchinine	"	0.150	-	-
28. Gum Arabic	"	15	-	-
29. Lanolin	"	7.500	I-244	40
30. Lithium chloride	"	1.050	-	-
31. Opium	"	4.800	-	-
32. Palladium	"	0.0012	-	-
33. Scopolamine bromohydrate	"	0.003	-	-
34. Spartein sulphate	"	0.06	-	-
35. Theobrimine	"	0.750	I-244	71
36. Tricline	"	280	QM-145	3
37. Flotol A	"	0.900	-	-
B. Rubber and materials for manufacturing rubber products				
1. Raw rubber	"	570	ORD-92	1
2. Synthetic rubber	"	3,900	ORD-92	2
3. Carbon black-active	"	920	ORD-92	3
4. Carbon black-semiactive	"	420	-	-
5. Carbon black-inactive	"	150	-	-
6. Dry Latex	"	105	-	-
7. Resorcina	"	15	-	-
8. Plasticator (32)	"	147	-	-
9. Naptholene	"	450	-	-
10. Cumar Resins Softening point 64°-65°	"	90	-	-
11. Paraffin Melting point 52°-54°	"	45	-	-
12. Tar, Norwegian	"	45	-	-
13. Kautschol	"	105	-	-
C. Basic materials for textiles and papers				
1. Cellulose paper	"	30,000	I-229	1
2. Fine cellulose for rayon (Type 1, bleached sulphite pulp, sheets of 60 cm. by 80 cm. Alphacellulose 87% or more, ashes not lower than 0.25%	"	12,000	-	-
3. Washed wool	"	11,000	QM-109	58

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36. Triolino	"	288	QM-145	5
37. Flotol A	"	0.900	-	-
F. Rubber and materials for manufacturing rubber products				
1. Raw rubber	"	570	ORD-92	1
2. Synthetic rubber	"	3,900	ORD-92	2
3. Carbon black-active	"	920	ORD-92	3
4. Carbon black-semiactive	"	420	-	-
5. Carbon black-inactive	"	150	-	-
6. Dry Latex	"	105	-	-
7. Resorcina	"	15	-	-
8. Plasticator (32)	"	147	-	-
9. Naptholene	"	450	-	-
10. Gumar Rosins Softening point 64°-65°	"	90	-	-
11. Paraffin Melting point 52°-54°	"	45	-	-
12. Tar, Norwegian	"	45	-	-
13. Kreutschol	"	105	-	-
G. Basic materials for textiles and papers				
1. Cellulose paper	"	30,000	I-229	1
2. Fine cellulose for rayon (Type 1, bleached sulphite pulp, sheets of 60 cm. by 80 cm. Alpha-cellulose 87% or more, ashes not lower than 0.25%	"	12,000	-	-
3. Washed wool	"	11,000	QM-109	58
4. Waste wool	"	1,400	-	-
5. Cotton	"	39,000	QM-109	60
6. Jute	"	3,500	-	-
7. Rags & waste-vegetable, animal & mixed	"	4,000 *	-	-
8. Sisal	"	850	-	-
9. Manila	"	850	-	-
10. Chinese ramie	"	700	-	-

* Excludes rags from Turkey Requisition on QM-10 9-45.

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(1)	(2)	(3)	(4)	(5)
Cotton Thread for manufacturing fish nets:				
11. 100/6 Strand	tons	15	QM-121	1a
12. 80/6 "	"	15	QM-121	1b
13. 60/6 "	"	90	QM-121	1c
14. 50/6 "	"	90	QM-121	1d
15. 40/6 "	"	120	QM-121	1e
16. 12/6 "	"	90	QM-121	1f
17. 8/6 "	"	180	QM-121	1g
18. Sail cloth - 11 oz. (300,000 sq. yds.)	"	300	QM-121	2
19. Ropes of coir & manila (assorted diameters from 15 mm. to 65 mm.)	"	100	-	-
H. Insulating materials, varnishes & Solvents				
1. Shellac	"	60	I-228	1
Mica splittings, bookform:				
2. Grade 5	"	30	I-236	22
3. Grade 5.5 splittings, loose	"	30	I -236	22
4. Grade 6 splittings, loose	"	30	I-236	22
5. Solvents (benzol etc.)	"	120	I-221	1370
6. Asbestos in flakes	"	6	I-221	388
7. Carpenter's glue (heat)	"	350	I-221	64
8. Casein	"	350	-	-
I. Non-ferrous metals				
1. Copper, blister	"	18,000	-	-
2. Copper, electrolytic	"	5,000	I-243	1
3. Copper in wire bars	"	10,500	-	-
4. Pure tin ingots	"	900	MISC-144	2
5. Nickel in strips for cathodes	"	550	I-230	32
6. Cobalt	"	0.600	-	-
7. Silver	"	15	-	-
8. Nickel-Chromium in ingots for wire-drawing	"	30	-	-
Rodding, borax:				
9. diam. mm. 2.5 to 10	"	1.500	I-236	43
10. diam. mm. 3 to 10	"	1.500	I-236	43
11. diam. mm. 4 to 10	"	1.500	I-236	43
12. diam. mm. 5 to 10	"	0.600	I-236	43
13. Tungsten for filaments to coil and draw	"	1.50	I-236	44

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H.	Insulating materials, varnishes & Solvents				
	1. Shellac	"	60	I-228	1
	Mica splittings, bookform:				
	2. Grade 5	"	30	I-236	22
	3. Grade 5.5 splittings, loose	"	30	I -236	22
	4. Grade 6 splittings, loose	"	30	I-236	22
	5. Solvents (benzol etc.)	"	120	I-221	1370
	6. Asbestos in flakes	"	6	I-221	388
	7. Carpenter's glue (heat)	"	350	I-221	64
	8. Casein	"	350	-	-
I.	Non-ferrous metals				
	1. Copper, blister	"	18,000	-	-
	2. Copper, electrolytic	"	3,000	I-243	1
	3. Copper in wire bars	"	10,500	-	-
	4. Pure tin ingots	"	900	MISC-144	2
	5. Nickel in strips for cathodes	"	633	I-230	32
	6. Cobalt	"	0.600	-	-
	7. Silver	"	15	-	-
	8. Nickel-Chromium in ingots for wire-drawing	"	30	-	-
	Roddits, boron:				
	9. diam. mm. 2.5 to 10	"	1.500	I-236	43
	10. diam. mm. 3 to 10	"	1.500	I-236	43
	11. diam. mm. 4 to 10	"	1.500	I-236	43
	12. diam. mm. 5 to 10	"	0.600	I-236	43
	13. Tungsten for filaments to coil and draw	"	1.50	I-236	44
	Molybdenum, bright, on spools:				
	14. Diam. mm. 0.05	Kg.	150)		
	15. 0.06	"	300)		
	16. 0.07	"	2,400)		
	17. 0.08	"	1,200)		
	18. 0.09	"	1,800)		
	19. 0.11	"	1,200)	I-236	45
	20. 0.12	"	600)		
	21 0.14	"	600)		
	22. 0.15	"	120)		
	23. 0.16	"	120)		
	24. 0.20	"	60)		
	25. 0.25	"	60)		
	26. Platinum for catalytic nets	"	10	I-215	1
	27. Rhodium for catalytic nets	"	0.300	I-215	5
	28. Vanadium Oxide (V_2O_5) catalytic masses	m.ton	6.	I-215	82

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APPENDIX A Continued

(1)	(2)	(3)	(4)	(5)
29. Vanadium anhydride (V_2O_5) or corresponding quantity of Vanadic ammonium	m.tons	2	-	-
4. Ferrous metals and ferrous alloys				
1. Special pig iron for rolls in rolling mills, Graphite carbon 1.55 %; combined carbon 1.55%, Silicon 1.10-1.20%; Manganese 0.5%; sulphur and phosphorus less than 0.05%.	"	300	-	-
Iron sheets, corrugated, galvanized:				
2. Thickness mm. 0.5	"	10,500	I-235	2
3. Thickness mm. 1.0	"	7,000	I-235	2
Black iron plate:				
4. Assorted thicknesses mm. 4,5,6,8	"	3,500	I-235	2
5. Assorted thicknesses mm. 10, 12, 14	"	875	I-235	2
6. Tin plate, thickness mm. 0.28 to 0.40, dimensions 28" x 20" (smaller thicknesses are especially required)	"	7,000	I-235	2
7. Railroad rail, vignole type, 36 kg. per meter	"	2,200	I-210	2
8. Railroad rail, Phoenix type (girder rail), 54 kg. per meter	"	1,000	I-210	3
9. Magnetic sheets, 2.3 W/kg. 0.5 mm thick, for generators	"	3,500	I-235	2
10. Magnetic sheets, 1.1 to 1.3 W/kg 0.35 mm. thick., for transformers	"	1,750	I-235	2
11. Ferro-tungsten (70/75% W)	"	60	I-230	25
12. Ferro-molybdenum (70/75% Mo)	"	30	I -230	25
13. Acheson type electrodes Diam. mm. 75,80,150,175,250,300,305	"	1,630	-	-
Amorphous carbon electrodes:				
14. mm. 500 x 500 x 1,200	"	700	-	-
15. mm. 350 x 400 x 2,000	"	400	-	-
16. Electrode paste, Soderberg	"	400	-	-

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vanized:				
2. Thickness mm. 0.5	"	10,500	I-235	2
3. Thickness mm. 1.0	"	7,000	I-235	2
Black iron plate:				
4. Assorted thicknesses mm. 4,5,6,8	"	3,500	I-235	2
5. Assorted thicknesses mm. 10, 12, 14	"	875	I-235	2
6. Tin plate, thickness mm. 0.28 to 0.40, dimensions 28" x 20" (smaller thicknesses are especially required)	"	7,000	I-235	2
7. Railroad rail, Vignole type, 36 kg. per meter	"	2,200	I-210	2
8. Railroad rail, Phoenix type (girder rail), 54 kg. per meter	"	1,000	I-210	3
9. Magnetic sheets, 2.3 W/kg. 0.5 mm thick, for generators	"	3,500	I-235	2
10. Magnetic sheets, 1.1 to 1.3 W/kg 0.35 mm. thick., for transformers	"	1,750	I-235	2
11. Ferro-tungsten (70/75%W)	"	60	I-230	25
12. Ferro-molybdenum (70/75% Mo)	"	30	I -230	25
13. Acheson type electrodes Diam. mm. 75,80,150,175,250,300,305	"	1,650	-	-
Amorphous carbon electrodes:				
14. mm. 500 x 500 x 1,200	"	700	-	-
15. mm. 350 x 400 x 2,000	"	400	-	-
16. Electrode paste, Soderberg	"	400	-	-
Steel cables & ropes:				
a. for funicular railway:				
17. i. Diam. 40 mm., pitch of strand 32 cm., pitch of wire in strand 12.5 cm., testing load 106 m.tons, tensile strength of steel per sq.mm. 160 kg.,wt. per mt. 5.5 kg., diam. of thick wire 2.66 mm. diam of thin wire 1.6 mm.,number of thick wires 72, number of thin wires 114, 19 thin wires and 12 thick wires, constructed without soldered joints, wound around hemp core, albert ley type.Length of cable must be in one piece.	Motor	650	I-210	8

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APPENDIX A Continued

(1)	(2)	(3)	(4)	(5)
18. ii. specifications as above	Meter	1,080	I-210	9
19. iii. Diam. 42 mm., testing load 102 M.tons, tensile strength per sq.mm. 170 Kg., weight per meter 6.5 kg., diam. of thick wires 2.18 mm., diam of thin wires 1.72 mm., no. of thick wires 156, no. of thin wires 42, 7 thin wires and 26 thick wires, constructed without soldered joints, wound around hemp core, albert lay type. Length of cable must in one piece	"	1,400	I-210	10
20. iv. Diam 38 mm., testing load 76 tons, tensile strength per sq.mm. 150 kg., wt. per meter 5.2 kg., diam. of wire 2.9 mm., no. of wires 114 in. 6 strands, constructed without soldered joints, wound around hemp core, albert lay type. Length of cable must be in one piece.	"	600	I-210	11
21. v. Diam. 20 mm., testing load 24 m. tons, tensile strength per sq. mm. 160 kg., wt.per meter 1.45 kg., constructed of 6 strands of wire of 1.3 mm. diam., without soldered joints, wound around hemp core, albert lay type. Length of cable must be in one piece.	"	600	I-210	12
b. For marine purposes:				
i. For kedge anchor				
22. diam. 15 mm.	"	1,200)		
23. diam. 18 mm.	"	1,200)		
24. diam. 19 mm.	"	15,000)		
25. diam.23 mm.	"	1,000)		
		)		
ii. For rigging:		)		
26. diam. 6 mm.	"	10,000)		
27. diam. 9.5 mm.	"	25,000)		
28. diam. 10 mm.	"	5,000)		

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load 76 tons, tensile strength per sq.mm. 160 kg., wt. per meter 5.2 kg., diam. of wire 2.5 mm., no. of wires 114 in. 6 strands, constructed without soldered joints, wound around hemp core, albert lay type. Length of cable must be in one piece.	"	600	I-210	11
21. V. Diam. 20 mm., testing load 24 m. tons, tensile strength per sq. mm. 160 kg., wt.per meter 1.45 kg., constructed of 6 strands of wire of 1.3 mm. diam., without soldered joints, wound around hemp core, albert lay type. Length of cable must be in one piece.	"	600	I-210	12
b. For marine purposes:				
i. For kedge anchor	"	1,200		
22. diam. 15 mm.	"	1,200		
23. diam. 18 mm.	"	15,000		
24. diam. 19 mm.	"	1,000		
25. diam.23 mm.				
ii. For rigging:	"	10,000		
26. diam. 8 mm.	"	25,000		
27. diam. 9.5 mm.	"	5,000		
28. diam. 10 mm	"	60,000		
29. diam. 12.7 mm.			TC-98	4
iii. for towing:	"	1,500		
30. diam. 16 mm.	"	1,500		
31. diam. 17 mm.	"	9,000		
32. diam. 18 mm.	"	10,000		
33. diam. 20 mm.	"	7,000		
34. diam. 22 mm.				
iv. for various purposes (flexible cables):	"	2,500		
35. diameters mm. 8, ~~12,~~ 20	"	2,500		
36. " mm. 25,30.				

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ANNEX A Continued

(1)	(2)	(3)	(4)	(5)
c. for aerial ropeway: metallic cable, six strands with hemp center.				
37. diam 1"	Meter	68,000	ENG-120	(1
38. " 5/8"	"	53,000		(2
39. " 1 1/2"	"	103,000		(3
40. " 5/16"	"	40,000		(4
d. steel rope plough steel quality				
41. 6 x 19 strand, right-hand lay 5/8" diam.	Foot	45,000		
42. 6 x 19 strand, left-hand lay, 5/8" diam.	"	1,000		
43. 6 x 19 strand, right-hand lay 9/16" diam.	"	15,000		
44. 6 x 19 strand, right-hand lay, 2 1/4" diam.	"	3,500		
45. 6 x 25 strand, right-hand lay, 1 9/16" diam.	"	3,000		
46. 6 x 19 strand, right-hand lay, 1 1/4" diam.	"	16,000		
47. 6 x 19 strand, right-hand lay, 1 1/8" diam.	"	1,000		
48. 6 x 19 strand, right-hand lay, 1" diam.	"	4,600		
49. 6 x 19 strand, right-hand lay, 7/8" diam.	"	10,000		
50. 6 x 37 strand, right-hand lay, 3/4" diam.	"	9,300		
51. 6 x 37 strand, left-hand lay, 3/4" diam.	"	9,300		
52. 6 x 7 strand, right-hand lay, 9/16" diam.	"	18,000	ENG-89	
53. 6 x 37 strand, right hand lay, 9/16" diam.	"	5,400		
54 6 x 7 strand, right-hand lay, 1/2" diam.	"	9,600		
e. Steel rope, plough steel quality, galvanized, hemp core, right-hand lay				
55. 6 x 19 strand, 3/4" diam.	"	1,300		
56. 6 x 19 strand, 5/8" diam.	"	1,300		
57. 6 x 7 strand, 5/8" diam.	"	14,500		
58. 6 x 37 strand, 5/8" diam.	"	14,000		
59. 6 x 19 strand, 1/2" diam.	"	6,000		
60. 6 x 12 strand, 3/8" diam.	"	1,000		
61. 6 x 19 strand, 1/4" diam.	"	9,500	ENG-89	
f. Rope, steel, flat				

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45. 6 x 25 strand, right-hand lay, 1 9/16" diam.	"	3,000		
46. 6 x 19 strand, right-hand lay, 1 1/4" diam.	"	16,000		
47. 6 x 19 strand, right-hand lay, 1 1/8" diam.	"	1,000		
48. 6 x 19 strand, right-hand lay, 1" diam.	"	4,600		
49. 6 x 19 strand, right-hand lay, 7/8" diam.	"	10,000		
50. 6 x 37 strand, right-hand lay, 3/4" diam.	"	9,300		
51. 6 x 37 strand, left-hand lay, 3/4" diam.	"	9,300		
52. 6 x 7 strand, right-hand lay, 9/16" diam.	"	18,000	ENG-89	
53. 6 x 37 strand, right hand lay, 9/16" diam.	"	5,400		
54 6 x 7 strand, right-hand lay, 1/2" diam.	"	9,600		
e. Steel rope, plough steel quality, galvanized, hemp core, right-hand lead				
55. 6 x 19 strand, 3/4" diam.	"	1,300		
56. 6 x 19 strand, 5/8" diam.	"	1,300		
57. 6 x 7 strand, 5/8" diam.	"	14,500		
58. 6 x 37 strand, 5/8" diam.	"	14,000		
59. 6 x 19 strand, 1/2" diam.	"	6,000		
60. 6 x 12 strand, 5/[illegible]" diam.	"	1,000	ENG-89	
61. 6 x 19 strand, 1/4" diam.	"	9,500		
f. Rope, steel, flat				
62. 3 1/2" x 5/8", uncoated, 2 lengths, ea. 1,500 ft.	"	3,000	ENG-89	
g. Steel cable, zinc coated, hemp core, flexible				
63. Diam. 5/16"	m.ton	70		
64. Diam. 3/8"	"	70	QM/ENG/TC-121 3	
65. Diam. 7/8"	"	70	3675	
66. American type track with rails, complete with rail anchors, fish plates, bolts, dog spikes and stay plates (20 sleepers per span) weight 110 pounds per meter, length 39 feet.	"	15,000		

Note: Nearest size rail acceptable but must not be lighter than above specifications.)

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APPENDIX A Continued

(1)	(2)	(3)	(4)	(5)
M. Timber and semi-finished wood products				
Fir (spruce) logs (Austria)	M.ton	400,000	I-219	3
Oak & beech logs (Jugoslavia)	"	200,000	I-219	2
Sawn:				
a. Oak for naval construction:				
Section / Length / Pieces				
1. 14"x14" / 40' / 680				8
2. 12"x12" / 40' / 470				9
3. 12"x8" / 34' / 3,400	"	28,000	I-219	10
4. 12"x6" / 34' / 1,400				11
5. 12"x10" / 34' / 2,250				12
6. 10"x8" / 34' / 2,700				13
7. 16"x6" / 34' / 2,600				14
8. 8"x6" / 20' / 56,000				15
9. 8"x6" / 34' / 57,260				16
b. Pitch-pine for naval construction:				
Section / Length / Pieces				
10. 14"x14" / 40' / 580				4
11. 12"x12" / 40' / 350	"	5,500	I-219	5
12. 10"x10" / 80' / 5,500				6
13. 10"x8" / 28' / 10,500				7
14. Standard wooden ties for track and switches of the Italian State Railways (No. pieces 240,000)	"	22,500		
N. Supplies for the leather industry				
1. Raw hides for sole leather, dried; sources: Argentina, Uruguay, Brazil. Av.wt.per dry skin from Kg. 9.5 to 10.5	"	7,500	QM-110	4
2. Raw hides for uppers. Av.wt. per skin Kg. 4.5 to 5.5	"	3,775	QM-110	5
3. Sheep hides for uppers and linings; dry and dry salted; sources: North Africa, Greece, Albania, Turkey.	"	930	-	-
4. Calf skins, salted; source: U.S.A.	"	600	-	-
5. Animal oils (fish, whale, neatsfoot)	"	345	-	-
6. Extract dry tannic (base 67% TF), quebracho	"	3,750	-	-
7. Sodium bichromate	"	180	-	-
8. Tallow	"	300	-	-
9. Degras	"	250	-	-
10. Blood Albumen	"	30	-	-
O. Foodstuffs				

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	Section	Length	Pieces				
10.	14"x14"	40'	500	)			4
11.	12"x12"	40'	550	)	"	5,500	I-219" 5
12.	10"x10"	30'	5,500	)			6
13.	10"x8"	28'	10,500	)			7

14. Standard wooden ties for track and switches of the Italian State Railways (No. pieces 240,000) " 22,500

N. Supplies for the leather industry

1.	Raw hides for sole leather, dried; sources: Argentina, Uruguay, Brazil.Av.wt.per dry skin from Kg. 9.5 to 10.5	"	7,500	QM-110 4
2.	Raw hides for uppers. Av.wt. per skin Kg. 4.5 to 5.5	"	3,775	QM-110 5
3.	Sheep hides for uppers and linings; dry and dry salted; sources: North Africa, Greece, Albania, Turkey.	"	930	- -
4.	Calf skins, salted; source: U.S.A.	"	600	- -
5.	Animal oils (fish, whale, neatsfoot)	"	345	- -
6.	Extract dry tannic (base 67% TF), quebracho	"	3,750	- -
7.	Sodium bichromate	"	180	- -
8.	Tallow	"	300	- -
9.	Degras	"	250	- -
10.	Blood Albumen	"	30	- -

O. Foodstuffs

1.	Calves' stomachs for the manufacture of liquid rennet (No. pieces 30,000)	"	5	- -
2.	Whole barley for malt production	"	120	- -

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APPENDIX A continued

	(1)	(2)	(3)	(4)	(5)
3.	Potato starch (for invalids food)	m.ton	24	-	-
4.	Sugar (for food conservation industry)	"	25,000	-	-
5.	Pepper in grains (for the pork industry)	"	48	-	-
6.	Glucose and derivatives	"	1,500	-	-
7.	Cane molasses	"	700	-	-
8.	Soya lecithin	"	45	-	-
9.	Vanilla beans	"	3	-	-
10.	Edible oils (for food conservation industry): copra, cotton, soya.	"	200	-	-
11.	Cocoa butter	"	100	-	-
12.	Tin oxide enamel for cans	"	150	-	-
13.	Gilt varnish for lining cans	"	120	-	-

P. Miscellaneous

	Graphite crucibles, Morgen type				
1.	30 points	No.	700		
2.	50 points	"	1,050		
3.	100 points	"	700	I-221	396-399
4.	150 points	"	525		
5.	200 points	"	525		
6.	400 points	"	350		
7.	Normal white fuse, tarred	Meter	2,000,000	I-216	9
8.	Fuse cap, No.10,non-electric	No.	2,000,000		
	Fuse cap, No. 10, electric:				
9.	No delay	"	33,300		
10.	1st delay	"	33,300		
11.	2nd "	"	33,300	I-216	3
12.	3rd "	"	33,300		
13.	4th "	"	33,300		
14.	5th "	"	33,300		
	Tubes, radio				
15.	Type RENI Telefunken	"	200		
16.	" EV 222	"	200		
17.	" EV 218	"	150		
18.	" Va Siemens	"	150		
19.	" CA "	"	100		
20.	" EA "	"	60		
21.	Receiver, type 80	"	30		

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9.	Vanilla beans	"	3	-	-
10.	Edible oils (for food conservation industry): copra, cotton, soya.	"	200	-	-
11.	Cocoa butter	"	100	-	-
12.	Tin oxide enamel for cans	"	150	-	-
13.	Gilt varnish for lining cans	"	120	-	-

P. Miscellaneous

	Graphite crucibles, Morgan type				
1.	30 points	No.	700		
2.	50 points	"	1,050		
3.	100 points	"	700	I-221	396-399
4.	150 points	"	525		
5.	200 points	"	525		
6.	400 points	"	350		
7.	Normal white fuse, tarred	Meter	2,000,000	I-216	9
8.	Fuse cap, No.10,non-electric	No.	2,000,000		
	Fuse cap, No. 10, electric:				
9.	No delay	"	33,300		
10.	1st delay	"	33,300		
11.	2nd "	"	33,300	I-216	3
12.	3rd "	"	33,300		
13.	4th "	"	33,300		
14.	5th "	"	33,300		
	Tubes, radio				
15.	Type RENI Telefunken	"	200		
16.	" EV 222	"	200		
17.	" EV 218	"	150		
18.	" Va Siemens	"	150		
19.	" CA "	"	100		
20.	" EA "	"	60		
21.	Receiver, type 80	"	30		
22.	" " 6 K 7 G	"	30	I-233	10-13
23.	" " 6 C 5 G	"	20		
24.	" " 6 L 7 G	"	10		
25.	" " 6 C 7 G	"	20		
26.	" " 6 K 8 G	"	10		
27.	" " 6 K 6 G	"	10		
28.	Transmitter, type 42	"	15		
29.	" " 807	"	25		
30.	" " 834	"	25		
31.	" " 833	"	20		
32.	" " 845	"	8		
33.	" " 858	"	24		
34.	" " 891	"	8		
35.	" " 866	"	4		
36.	" " 872	"	60		
37.	" " 869	"	10		
38.	" " 857	"	4		

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Appendix A continued.

	(1)				(2)	(3)	(4)	(5)
	Spare parts for Ingersoll compressors:							
39.	Type ERI 10"x10"	Serial No. 22,749	Part valve plate		No.	30		393
40.	ERI 10"x10"	"	"	spring	"	30		394
41.	ERIO I 1/4"x10"	-	"	plate	"	6		395
42.	" "	-	"	spring	"	6	I-207	396
43.	18"x16"	16892	"	plate	"	6		397
44.	"	"	"	spring	"	6		398
45.	11"x16"	16982	"	plate	"	6		399
46.	"	"	"	spring	"	6		400
47.	"	16981	"	plate	"	6		401
48.	"	"	"	spring	"	6		402
	Spare parts for Sullivan compressors:							
	Type	Serial No.	Part					
49.	WGR-6 10"x10"	5975	Valve plate		No.	6		403
50.	"	"	"	spring	"	6		404
51.	WGR-6 1/4"x12"	7916	"	plate	"	6	I-207	405
52.	"	"	"	spring	"	6		406
	Parts for air compressor, consolidated Pneumatic Tool Co.							
	Type	Serial No.	Part		No.			
53.	COEL 11, 20"x12"x 14"	8522	Valve plate		"	6	I-207	407
54.	"	"	"	spring	"	6		408
55.	Parts for sharpener, drill steel, Ingersoll-Rand Type 50, dollies, dies, formers, gauging blocks for bits with diameters 1 1/4", 1 1/2", 1 5/8", 1 3/4", on 1" hex. steel.				Set	12		409
56.	Same as above, for 7/8" hex steel				"	12		410
	Parts for Dorrco Pump:							
57.	Diaphragms for Simplex No. 4				No.	12		383
58.	" " Pressure No. 4				"	12		384
	For Pressure No. 2							
59.	Diaphragms				"	12	I-207	385a
60.	Valve, upper seat				"	24		386
61.	Valve, lower seat				"	24		388
	Valve for Ingersoll-Rand Pump, type							

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Spare parts for Sullivan compressors:

		Type	Serial No.	Part					
49.	WGR-6								
	10"x10"	5975	Valve plate	No.	6			403
50.	"	"	" spring	"	6			404
51.	WGR-6						I-207		
	14"x12"	7910	" plate	"	6			405
52.	"	"	" spring	"	6			406

Parts for air compressor, consolidated Pneumatic Tool Co.

	Type	Serial No.	Part	No.			
53.	CCOL 11, 20"x12"x 14"	8922	Valve plate	"	6	I-207	407
54.	"	"	" spring	"	6		408
55.	Parts for sharpener, drill steel, Ingersoll-Rand Type 50, dollies, dies, formers, gauging blocks for bits with diameters 1 1/4", 1 1/2", 1 5/8", 1 3/4", on 1" hex. steel.			Set	12		409
56.	Same as above, for 7/8" hex steel			"	12		410
	Parts for Dorrco Pump:						
57.	Diaphragms for Simplex No. 4			No.	12		383
58.	" " Pressure No. 4			"	12		384
	For Pressure No. 2						
59.	Diaphragms			"	12	I-207	385a
60.	Valve, upper seat			"	24		386
61.	Valve, lower seat			"	24		388
	Valve for Ingersoll-Rand Pump, type						
62.	XB-25x2 - Serial No. 56364PP			Set.	24		382
63.	Impellers, Denver, Flotation Cell No. 18			No.	24		
64.	Valves, rubber, complete for Oliver Filter, type 8 FF 40 W BB			"	24		

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Communications S/C

JUL 7 1945

MEMORANDUM

REVISION OF PROGRAM OF ESSENTIAL ITALIAN IMPORTS 1945

1. The Central Economic Commission of the C.L.N.A.I., at the request of the Italian Government, has prepared a Transitional Program of Importations to cover the period between the present time and 1 Jan. '46, the anticipated starting date of a new Program for 1946. Section 1 of this Transitional (1945) Program, covering the month of September, has already been sent to Washington. Washington have requested that the requirements for the months October-December 1945 should reach Washington by 15 July.

2. The Central Economic Commission has prepared two further sections of the Transitional Plan, one covering the month of October 1945 and the other the two months November and December 1945. The lists of requirements which relate to these two sections have been reduced to a single list for the quarter October-December and copies of this single list were distributed at the Staff Meeting held in Brig. General McKinley's office on Friday 6 July.

3. Copies of the justifications (translated) of the two Sections referred to above are attached hereto.

4. It will be observed that the requests for raw materials have been related to two limiting factors.

a. the capacity of the transport system
b. an estimated minimum coal requirement, related to (a) and justified in terms of reduction in unemployment.

5. The capacity of the transport system is reckoned as reduced to 35% of pre-war.

6. The request for coal and coke amounts to 1,440,000 tons for the three months October-December. Coal Division states that requests have been submitted by AC through military channels for 368,000 tons a month, a total of 1,104,000 tons for the three months October-December.

7. Since the quantities of supplies requested have been based on the degree of reactivation calculated as possible with the quantity of coal requested, the quantities will, on this basis alone, need to be scaled down. Information in possession of Sub-Commissions and not available to the Central Economic Commission will no doubt make it desirable to make other considerable changes in the quantities requested and to add or delete certain items.

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8. Constructive criticism of this Program by the Sub-Commissions concerned (and suggested amendments) are required by 1200 hours Monday 9 July 45 to form the basis on which a revised list of requirements

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ments which relate to these two sections have been reduced to a single list for the quarter October-December and copies of this single list were distributed at the Staff Meeting held in Brig. General McKinley's office on Friday 6 July.

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3671

8. Constructive criticism of this Program by the Sub-Commissions concerned (and suggested amendments) are required by 1200 hours Monday 9 July 45 to form the basis on which a realistic list of requirements for October through December 1945 and a full justification thereof can be prepared and dispatched to Washington to reach there by 15 July.

CROSS. REFS.

FILE T-14-C

B/Two

Date

Director
D/Director
Chief Telecoms
Chief Posts
H.Q. Cons O.
Asst. Chief Postal
Librarianship
Chief Clerk

H. C. QUARTIER
Lt. Col. Q.M.C.
Economic Sect., A.C.

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Transitional Program of Essential Italian Imports 1945
Section 2 - October

Imports of Supplies and Raw Materials Essential for the Reactivation of Italian Industry

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1. Present working capacity of the Italian transport system.	1.
2. Requirements of coal, allocation among industry groups and expected production.	1.
3. Degree of employment rendered possible by the provision of raw materials in the quantities requested in the Plan.	5.
4. Classification and weight of supplies and raw materials requested.	7.

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Translation

Transitional Program of Essential Italian Imports 1945
Section 2 - October

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1. Present working capacity of the Italian transport system.

Destruction by war and removal by the enemy have reduced the main classes of railway rolling-stock in Italy as follows:

	1938	October 1945 1/	Reduction from 1938	Percent remaining
Steam locomotives	4,165	1,931	2,234	46%
Electric locomotives	1,316	465	851	35%
Freight cars	128,750	45,000	83,750	35%

In assessing the effect of destruction it should be borne in mind that the use which can be made of the present rolling-stock is lower than in 1938 because of destruction of and damage to the fixed installations; on the other hand, in 1938 the freight cars then available were not fully utilized and, moreover, the 1938 car turn-round could be considerably improved upon.

Taking into account these opposing factors it is calculated that with the disposable rolling-stock a volume of traffic could be handled equal to 35% of pre-war.

In 1939 there were in Italy about 130,000 motor trucks: this number has been reduced to 45,000 units, i.e., to a capacity equal to 35% of pre-war.

It is reckoned that the carrying capacity of the coastal shipping has been reduced in the same proportion: the contribution of internal water transport, in the country as a whole, is comparatively negligible.

It is concluded that the capacity of the Italian transport system can be assessed at about 35% of pre-war traffic.

2. Requirements of coal, allocation among industry groups and expected production.

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Since many of the plants which use coal are located on

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Electric locomotives	1,516	465	851	35%
Freight cars	128,750	45,000	83,750	35%

In assessing the effect of destruction it should be borne in mind that the use which can be made of the present rolling-stock is lower than in 1938 because of destruction of and damage to the fixed installations; on the other hand, in 1938 the freight cars then available were not fully utilized and, moreover, the 1938 car turn-round could be considerably improved upon.

Taking into account these opposing factors it is calculated that with the disposable rolling-stock a volume of traffic could be handled equal to 36% of pre-war.

In 1939 there were in Italy about 130,000 motor trucks: this number has been reduced to 45,000 units, i.e., to a capacity equal to 35% of pre-war.

It is reckoned that the carrying capacity of the coastal shipping has been reduced in the same proportion: the contribution of internal water transport, in the country as a whole, is comparatively negligible.

It is concluded that the capacity of the Italian transport system can be assessed at about 35% of pre-war traffic.

2. Requirements of coal, allocation among industry groups and expected production.

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Since many of the plants which use coal are located on the coast and the internal transport system is therefore not burdened, it is reckoned that the quantity of coal which can be utilized by the Italian economy should be reduced in a less proportion than that in which the capacity of the transport system has been reduced. Specifically, whereas the transport capacity is reduced to 35%, the need of coal comes down only to 40%.

- - - -

On the basis of a normal Italian consumption of 1,200,000 tons per month the requirement for October is 480,000 tons.

This quantity is allocated among the different industry groups in the following proportions:

Allocation of Coal

	Normal Monthly Consumption (000 tons)	Allocation for October 1945 (000 tons)	Percentage of normal consumption %
Railways	150	50	33
Gas Works	120	36	30
Coking plants	90	44	50
Blast-furnaces	60	5	8
Steel-works	80	27	33
Non-ferrous metals	25	8	33
Mechanical engineering	30	15	50
Lime, cement and bricks	150	75	50
Earthenware and glass	35	17	50
Textiles and clothing	37	18	50
Rayon	28	9	33
Chemicals	100	50	50
Rubber	10	6	60
Paper	16	7	60
Cellulose	7	-	-
Sugar	25	-	-
Other foodstuffs	45	30	66
Electricity	40	8	20
Various industries	50	25	50
Domestic use	112	50	45
	1,215	480	40%

The following observations are made on the above allocations.

Railways: The allocation to the railways is proportionate to remaining freight cars.

Gas Works: An allocation of 30% of normal corresponding to an average between 40% of normal for the provinces of central and southern Italy where there is no electrical power available and 20% of normal for the provinces of the north where there is a greater possibility of obtaining supplies of electricity for

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Steel-works	80	27	33
Non-ferrous metals	25	8	33
Mechanical engineering	30	15	50
Lime, cement and bricks	150	75	50
Earthenware and glass	35	17	50
Textiles and clothing	37	18	50
Rayon	26	9	33
Chemicals	100	50	50
Rubber	10	6	60
Paper	14	7	60
Cellulose	7	-	-
Sugar	25	-	-
Other foodstuffs	45	30	66
Electricity	40	8	20
Various industries	50	25	50
Domestic use	112	50	45
	1,215	420	40%

The following observations are made on the above allocations.

Railways: The allocation to the railways is proportionate to remaining freight cars.

Gas Works: An allocation of 30% of normal corresponding to an average between 40% of normal for the provinces of central and southern Italy where there is no electrical power available and 20% of normal for the provinces of the north where there is a greater possibility of obtaining supplies of electricity for domestic purposes.

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Coking plants: For the month of September 30,000 tons of coal were requested, sufficient for starting up and for the building up of initial stocks. For October the request is raised to 44,000 tons with a view to resumption of full production, which can take place between the end of October and the beginning of November.

Blast Furnaces: In October the only plant in production will be that of Ilvania with an output of 4,000 tons of pig-iron.

Steel Works: The steel industry will produce in October: 30,000 tons of steel from electric furnaces; 15,000 tons of steel from Martin fur-

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naces, using 10,000 tons of coal; 15,000 tons of pig-iron from electric furnaces which should be added to the 4,000 tons to be produced at Ilvania.

A further 17,000 tons of coal is requested for rolling the 45/50,000 tons of steel which are available and for other processing.

Because of the limited production of steel in October it is necessary to cover by importation some of the needs of steel products, among which are homogeneous iron in bars and in strips (8,000 tons), tinplate (4,000 tons), and magnetic sheets (1,000 tons).

Non-ferrous metals: With an allocation of 8,000 tons of coal it is expected that the non-ferrous metal group will be restarted with an output one third of normal.

Mechanical engineering: The allocation to this group has been fixed at 15,000 tons in view of the fact that 6/7,000 tons of fuel are required for railway and automobile construction plants which will be employed to their maximum capacity. The automobile industry will produce in October 2,455 medium trucks, 485 heavy trucks and 4,950 motor cars (or light trucks). The group producing railway materials, in addition to undertaking important repair work, will produce about 1,000 new freight cars. The electrical engineering industry will be in a position to work at full capacity, applying itself especially to reconstruction and repair of electric power plants and to the production of railway requirements.

Lime, cement and bricks: An allocation equal to 50% of normal consumption will provide for a production of 525,000 tons of cement with a consumption of 65,000 tons of coal and leave 10,000 tons of coal for the production of lime and bricks over and above any allocation of coke.

Earthenware and glass: A 50% reactivation is planned for both sections, which are especially important for the production of insulators and sheet-glass.

Textiles, clothing and rayon: The allocations of coal and specific raw materials to various sections of the textile industry are set out in the following table.

Section	Coal Tons	Other Materials Tons	
Cotton Wool for textiles Wool for felts Jute	18,000	Cotton Washed wool " " Jute	6,000 1,000 250 1,000

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Mechanical engineering: The allocation to this group has been fixed at 15,000 tons in view of the fact that 6/7,000 tons of fuel are required for railway and automobile construction plants which will be employed to their maximum capacity. The automobile industry will produce in October 1,455 medium trucks, 435 heavy trucks and 4,950 motor cars (or light trucks). The group producing railway materials, in addition to undertaking important repair work, will produce about 1,000 new freight cars. The electrical engineering industry will be in a position to work at full capacity, applying itself especially to reconstruction and repair of electric power plants and to the production of railway requirements.

Lime, cement and bricks: An allocation equal to 50% of normal consumption will provide for a production of 325,000 tons of cement with a consumption of 65,000 tons of coal and leave 10,000 tons of coal for the production of lime and bricks over and above any allocation of coke.

Earthenware and glass: A 50% reactivation is planned for both sections, which are especially important for the production of insulators and sheet-glass.

Textiles, clothing and rayon: The allocations of coal and specific raw materials to various sections of the textile industry are set out in the following table.

Section	Coal Tons	Other Materials Tons	
Cotton Wool for textiles Wool for felts Jute Hemp Rayon	18,000	Cotton Washed wool " " Jute Cellulose	6,000 1,000 250 1,000 3,000

With the above allocations it will be possible to reactivate the industry to about 50% of its capacity, except that for rayon the percentage will be 25%. The textile industry as a whole will have 40% of the supplies worked in 1938.

Chemicals: 50% of normal consumption is allocated to the chemical industry to resume production of a number of products which are basically essential to most branches of industry.

50,000 tons of phosphor rock have been requested equivalent to 75% of normal consumption.

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It is desirable ..."
start in October. Italian consumption of sulphate before the war averaged 120,000 tons a year requiring 30,000 tons of copper. For 1946 this consumption could be reduced to 80,000 tons with a corresponding need of 20,000 tons of copper. As production should be completed by April 1946 there is a monthly requirement of blister copper - from October through April - of 3,000 tons, which is in addition to the 10,700 tons of copper (electrolytic and in wire bars) requested for other purposes, especially for electrical engineering.

Rubber: It is not proposed to produce synthetic rubber. 1,300 tons of rubber are required for the rubber and cable industries, equivalent to 65% of normal consumption: the corresponding consumption of coal is 6,500 tons.

Paper Mills: The importation of 8,000 tons of cellulose and an allocation of 7,000 tons of coal is planned for the paper industry. The production thus obtained will be about 60% of normal. It is not proposed to resume production of cellulose.

Foodstuffs: The allocation of 70% of normal consumption to the food preserving industry is justified by the necessity to utilize perishable agricultural products (milk, meat, fruit, yeast and vegetables) to the maximum and to augment the production of rationed foodstuffs for civil consumption.

An even more indispensable requirement, in addition to the foregoing, springs from the necessity for the daily baking of bread, especially in large centers where supplies of wood are not always obtainable.

Electricity: In October the electric power industry should not need to consume coal: the 20% allocation indicated would serve to start replenishment of the bunkers of the thermal power plants.

Various industries: The allocation is equivalent to 50% of normal consumption. The following industries (among others) belonging to this group have no significant consumption of coal but require other important raw materials:

a. Leather and shoes: It is proposed to reactivate to 70% of productive capacity and it is therefore planned to import hides to augment the national supply.

b. Timber: To meet first needs it is necessary to plan for an importation of 150,000 tons of timber equal to 30% of pre-war consumption. It is to be borne in mind that the internal needs have greatly increased on account of reconstruction requirements.

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Foodstuffs: The allocation of 70% of normal consumption to the food preserving industry is justified by the necessity to utilize perishable agricultural products (milk, meat, fruit, yeast and vegetables) to the maximum and to augment the production of rationed foodstuffs for civil consumption.

An even more indispensable requirement, in addition to the foregoing, springs from the necessity for the daily baking of bread, especially in large centers where supplies of wood are not always obtainable.

Electricity: In October the electric power industry should not need to consume coal: the 30% allocation indicated would serve to start replenishment of the bunkers of the thermal power plants.

Various industries: The allocation is equivalent to 50% of normal consumption. The following industries (among others) belonging to this group have no significant consumption of coal but require other important raw materials:

a. Leather and shoes: It is proposed to reactivate to 70% of productive capacity and it is therefore planned to import hides to augment the national supply.

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b. Timber: To meet first needs it is necessary to plan for an importation of 150,000 tons of timber equal to 30% of pre-war consumption. It is to be borne in mind that the internal needs have greatly increased on account of reconstruction requirements. National production is reduced to a minimum because of the irrational felling during the last ten years.

c. Electric light bulbs: The raw materials requested correspond to a production of 2½ million bulbs, equivalent to 50% of normal production.

Domestic use: The impoverishment of Italian forests has resulted in an availability of fuel for domestic purposes which is small in comparison with the need. 50,000 tons have therefore been allocated to this section.

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3. Degree of employment rendered possible by the provision of raw materials in the quantities requested in the Plan.

The Italian Census of 1936 records employment in industry as. . . . . 5,375,000 persons.
Of these, however, ... 1,001,000 persons were recorded as employers, small employers and tradesmen not strictly classifiable as employed in industry.

Therefore, the number directly employed in industry is. . . . . 4,374,000 persons

The following table shows the division of this total among the various sections as given in the Industrial Census of 1937-40 and the employment expected in October 1945 on the basis of the allocations asked for in this Plan.

	Normal employment (000)	Employment expected in October '45 (000)	Percentage %
Industry:			
Extractive	137	86	63
Timber	283	215	76
Foodstuffs and fishing	669	415	62
Metallurgy	104	30	30
Mechanical engineering	847	389	46
Non-metallic minerals	207	181	87
Building	559	300	54
Chemicals	128	73	57
Paper	56	20	36
Printing	70	30	42
Leather	215	123	57
Textiles	629	255	40
Clothing	309	200	66
Power and gas	42	40	95
Miscellaneous	119	90	75
	4,374	2,447	56%

The above table shows a difference between normal employment and employment estimated for October of about 2,000,000 persons. Any broad assessment of the unemployment situation in October 3665 however, take into account that in the last few years, owing to military call-up and to the employment of workers outside Italy, new labour has been drawn into various industry groups from the rural

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Power and gas	42	40	95
Miscellaneous	119	90	75
	4,374	2,447	56

The above table shows a difference between normal employment and employment estimated for October of about 2,000,000 persons. Any broad assessment of the unemployment situation in October should, however, take into account that in the last few years, owing to military call-up and to the employment of workers outside Italy, new labor has been drawn into various industry groups from the rural areas or from the female population. With the return to civil life of the conscripted men and the return of workmen now abroad there will be a body of workers dependent on industry numbering considerably more than the 4,374,000 recorded in the 1937-40 census. Consideration must also be given to the effect of a limited industrial production on employment in those areas (which, according to the 1936 census, employed 1,700,000 persons), in transport and communications (702,000), as well as in the classes of small employers included in the Industrial Census and numbering 1,000,000, who, as pointed out above, are not included in the table. It must also be remembered that progressive resumption of work in the various stages of production and the need to build up stocks, both in industry and in commerce, may well retard the effect of imports on industrial employment.

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In conclusion, it can be estimated that, even with the supplies asked for in this plan, unemployment in Italy may be of the order of 3,000,000 or more persons.

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TRANSITIONAL PROGRAM 1945

C. L. N. A. I.

COMMITTEE OF NATIONAL LIBERATION OF NORTH-ITALY

CENTRAL ECONOMIC COMMISSION

PART III

NOVEMBER - DECEMBER

IMPORTATIONS OF RAW MATERIALS
AND
ITEMS ESSENTIAL FOR THE REACTIVATION OF ITALIAN INDUSTRY

TRANSLATION

TRANSITIONAL PROGRAM 1945
SECTION: NOVEMBER - DECEMBER

1. Possibilities of improving the Italian System of transportation.

The Allied Commission has requested that the list of requirements for the whole transitional Program 1945 should be prepared therefore presenting the requirements for the period November-December, that was not included in the two sections previously submitted.

As regards their request, that has been forwarded for information to all the Industrial Committees on the 28th of the past month, lists of requirements have been made and are attached in Appendix A.

As for the policy followed in making up the November-December section of the plan, it is pointed out that, unfortunately there is no possibility in these two months of counting on any greater progress as compared with the previous two months. In fact the crisis of means of transport will not have been solved much by the production and repairs made during the two previous months, and we have no information as to the eventual allocation of military vehicles, to be used to integrate the deficient railway and motor transport system of Italy.

Considering however the military situation in Italy, it seems likely that before November a certain allocation of military vehicles may be obtained; in that case it would be possible to exploit the Italian industry at a higher rate than at present. It is also to be remembered that the transitional program has been made in monthly sections on purpose so as to be able to take into consideration extraordinary increments in the Italian traffic capacities.

The industrial production in November-December that it will be possible to obtain with the available transport system, will certainly not be above the preceding months' production, and it will leave an unemployment estimated at not less than 2,000,000.

Owing to the necessity of reducing this unemployment and at the same time of obtaining a further availability of industrial products it is probable that supplementary requests for raw materials may be forwarded, as soon as we are informed of the Allied decisions as regards the "surplus" of vehicles existing in the Mediterranean theatre that could be assigned to Italy.

3662

2. Variations introduced in the November-December Section in comparison with the previous months.

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3662

2. Variations introduced in the November-December Section in comparison with the previous months.

The slightly greater capacity of the transport system was made use of particularly in the following sectors:

Gas works: The increased requirements of the civilian population during the winter months of November and December call for a greater allocation of coal to the gas works. The 36,000 tons allocated in the month of October has therefore been brought up to 50,000 tons a month. It must be remembered that during November, in Northern Italy, the winter scarcity of flow in the rivers begins and that therefore the amount of electric power available for domestic purposes is considerably reduced.

Chemical coke works: The allocation of coal to the chemical coke works is increased from 44,000 to 70,000 tons a month on account of the necessity of giving as much power as possible to this sector which is bound up with the production of nitrogenous fertilizers and many other products which are vital for our industries. During the months of November-December the coke works will be able to increase their production considerably as they will have put their plants in order pre-

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viously and the batteries will have been started up.

Iron and steel and other metals: The allocation of coal has been raised from 27,000 to 40,000 tons a month to allow for the gradual reactivation of the iron and steel industries so indispensable for the revival of all other industrial branches and from 8,000 to 12,000 for the non-ferrous metals. The requests for iron and steel supplies - iron rods and strips, bars, timplate, magnetic sheets - are lower than those for October, account having been taken of the greater local production.

Chemical industries: The increase of 10,000 tons of coal a month (from 50,000 to 60,000) is justified by the necessity of increasing production, which is indispensable for industrial recovery. The availability of by-products of the coking plants will make possible the restarting of important chemical plants.

Electrical industries: In the month of November it is necessary to begin compensating for the decreased amount of electricity produced by the hydroelectric stations by making use of coal-produced electric power and therefore it will be necessary to bring the allocation of coal up to 25,000 tons a month.

Domestic uses: It is estimated that it will be necessary to allocate 100,000 tons of coal a month corresponding to 35/40% of the normal consumption in the winter months.

For non-ferrous metals, mechanical production, rubber and rayon sectors slight increases in the allocation of coal are foreseen in relation to the gradual development of activity in November and December.

For the foodstuff/industries, on the other hand it is foreseen that a reduction in allocation of coal will take place, (from 30,000 to 20,000 tons a month) in view of the reduced activity of this sector in the winter months.

It must be remembered that the total amount of coal - 604,000 tons - corresponding to about 30% of the average monthly consumption is not more than 40% of the consumption of coal in November and December in normal times.

It is for the same reason that, in the following table, the percentage values referring to the monthly averages are not shown, as they have no real meaning because of the seasonal differences in consumption.

Coal Distribution

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Electrical industries: In the month of November it is necessary to begin compensating for the decreased amount of electricity produced by the hydroelectric stations by making use of coal-produced electric power and therefore it will be necessary to bring the allocation of coal up to 25,000 tons a month.

Domestic uses: It is estimated that it will be necessary to allocate 100,000 tons of coal a month corresponding to 35/40% of the normal consumption in the winter months.

For non-ferrous metals, mechanical production, rubber and rayon sectors slight increases in the allocation of coal are foreseen in relation to the gradual development of activity in November and December.

For the foodstuff/industries, on the other hand it is foreseen that a reduction in allocation of coal will take place, (from 30,000 to 20,000 tons a month) in view of the reduced activity of this sector in the winter months.

It must be remembered that the total amount of coal - 604,000 tons - corresponding to about 50% of the average monthly consumption is not more than 40% of the consumption of coal in November and December in normal times.

It is for the same reason that, in the following table, the percentage values referring to the monthly averages are not shown, as they have no real meaning because of the seasonal differences in consumption.

Coal Distribution

	Monthly Allocation	Allocation for Nov. & Dec.
Railways	50,000 tons	100,000 tons
Gas works	50,000 "	100,000 "
Chemical coke works	60,000 "	120,000 "
Furnace coke works	5,000 "	10,000 "
Iron & steel industry	40,000 "	80,000 "
Non-ferrous metals industry	12,000 "	24,000 "
Mechanical industry	20,000 "	40,000 "
Lime, cement, brick works	75,000 "	150,000 "
Earthenware & glass factories	17,000 "	34,000 "
Textile & clothing industry	18,000 "	36,000 "
Rayon industry	12,000 "	24,000 "
Chemical industry	60,000 "	120,000 "
Rubber industry	8,000 "	16,000 "
Cellulose industry	-	-
Paper industry	7,000 "	14,000 "

(continued on Page 3)

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Coal Distribution
(continued)

	Monthly Allocation	Allocation for Nov. & Dec.
Sugar industry	-	-
Other alimentary industry	20,000 tons	40,000 tons
Electrical industry	25,000 "	50,000 "
Various industry	25,000 "	50,000 "
Domestic uses	100,000 "	200,000 "
	604,000 tons	1,208,000 tons

From the above amount of 604,000 tons of coal a month, must be subtracted national production, calculated at 90,000 tons a month, as for the month of October, in consideration of the uncertain conditions in Istria.

The entire requirements of coal for the period November - December amount therefore to 1,030,000 tons.

The requests of other materials for the same period and for a quantity amounting to 1,150,000 tons, were made in relation to the program of activities which it is possible to carry out, in the various industrial sectors, with the quantities of coal allocated.

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From the above amount of 604,000 tons of coal a month, must be subtracted national production, calculated at 90,000 tons a month, as for the month of October, in consideration of the uncertain conditions in Istria.

The entire requirements of coal for the period November - December amount therefore to 1,030,000 tons.

The requests of other materials for the same period and for a quantity amounting to 1,150,000 tons, were made in relation to the program of activities which it is possible to carry out, in the various industrial sectors, with the quantities of coal allocated.

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Transitional program of Essential Italian
Imports 1945 Section 2 - (October - December)

APPENDIX A

Imports of Supplies and Raw Materials Essential for the
Reactivation of Italian Industry

1. Quantities given below are requirements for the entire Fourth Quarter (October through December) 1945.

2. Quantities requested for Section 1 - September 1945 - are set out in Appendix A to NOB Airgram 57 of 30 May 1945.

Description (1)	Unit (2)	Requested for October (3) / December	Requisition (4)	Item No. (5)
A. Fuels, solid and liquid, and derivatives				
1. Steam coal	m. ton	690,000		
2. Gas & coking coal	"	320,000		
3. Coal for furnaces & gas producers	"	150,000	VI-(a)	
4. Anthracite	"	80,000		
5. Foundry coke	"	210,000		
6. Benzol	"	1,000	-	
7. Petroleum coke	"	10,000	I-215	3
8. Resins (phenolic, cresylic, urelo)	"	110	I-251	2
9. Xylol	"	50	-	
10. Phenol	"	150	I-251	2
11. Paraffin wax, refined 122/124	"	900	QM-116	1
B. Mineral oils and derivatives				
1. Gasoline for automobiles	"	5,000		
2. Kerosene for lamps	"	15,500		
3. Kerosene for agricultural use	"	55,000		
4. Gasoil for transportation and agriculture	"	50,500	POL	-
5. Heavy Diesel oil and mazuta for boiler firing	"	50,000		
6. Bitumen for road surfacing	"	40,000		
7. Oil, bearing, for railways	"	100		-
8. Oil for light machinery & motors (Light & Medium transmission) Viscosity Engler 3.2 to 3.5	"	2,260		

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		(2)	(3)	(4)	(5)
A.	Fuels, solid and liquid, and derivatives				
1.	Steam coal	M. ton	680,000		
2.	Gas & coking coal	"	520,000		
3.	Coal for furnaces & gas producers	"	132,000	VI-(a)	
4.	Anthracite	"	80,000		
5.	Foundry coke	"	210,000		
6.	Benzol	"	1,200	-	-
7.	Petroleum coke	"	10,000	I-215	5
8.	Resins (phenolic, cresylic, urelc)	"	110	I-251	2
9.	Xylol	"	30	-	-
10.	Phenol	"	130	I-251	2
11.	Paraffin wax, refined 122/124	"	990	QM-116	1
B.	Mineral oils and derivatives				
1.	Gasoline for automobiles	"	5,000		
2.	Kerosene for lamps	"	15,500		
3.	Kerosene for agricultural use	"	35,000		
4.	Gasoil for transportation and agriculture	"	50,500	POL	-
5.	Heavy Diesel oil and naptha for boiler firing	"	30,000		
6.	Bitumen for road surfacing	"	40,000		
7.	Oil, Bearing, for railways	"	180		-
8.	Oil for light machinery & motors (Light & Medium transmission) Viscosity Engler 3.5 to 5.5	"	2,560		308
9.	Oil, machine (Viscosity Engler 5.5 to 10)	"	1,400		310
	Oil, automobiles:				
10.	Viscosity S.A.E. 10	"	910		313
11.	Viscosity S.A.E. 20	"	980		314
12.	Viscosity S.A.E. 30	"	500		-
13.	Viscosity S.A.E. 50	"	240		315
14.	Oil, emulsionable	"	120	I-221	318
15.	Oil, cutting, 7 L.L.S., Sap 5%	"	560		301

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APPENDIX A, continued.

(1)	(2)	(3)	(4)	(5)
16. Oil, transformer	m. ton	4,000		315
17. Grease for low-speed bearings	"	150		319
18. Grease, yellow, Stauffer type	"	240	I-221	321
19. Oil for saturated steam cylinders	"	300		-
20. Oil for superheated steam cylinders	"	130		-
C. Animal and vegetable oils and oil-seeds				
1. Animal oils for tanning and textiles (fish-oils)	"	2,800	-	-
2. Sulphur oil	"	17,500	QM-245	1
Oil seeds:				
3. Linseed & castor	"	14,000	-	-
4. Ground nuts & other edible oils	"	99,000	-	-
5. Indian coconut oil	"	28,000	-	-
6. Fats for soap-making	"	1,750	-	-
D. Mineral Products				
1. Magnesite calcined	"	3,350	I-230	23
2. Plastic clay (Si 45-50% Al 32-38%) for mixing with inferior Italian clays for industrial ceramics.	"	7,000	-	-
3. Fluor spar	"	160	I-230	25
4. Criolite	"	420	-	-
5. Clay with high Al_2O_3 content	"	55,000	-	-
6. Chromite (40-50% Cr_2O_3)	"	4,500	I-230	24
7. Phosphor Rock	"	170,000	I-232	1
8. Manganese ore	"	17,500	-	-
9. Graphite silvery	"	150	I-230	23
10. Kaolin for high-resistance insulators	"	7,000	-	-
E. Chemical and pharmaceutical products				
1. Glycerin	"	30	I-244	33
2. Turpentine (pinene)	"	700	I-221	204
3. Colophony	"	2,500	QM-143	2
4. Naphtalene, distilled	"	350	-	-
5. Butylic alcohol	"	240	I-231	5
6. Benzolic acid	"	60	-	-
7. Cresilic acid	"	150	-	-
8. Atropine sulphate	"	0.003	-	-
9. Phenolic acid	"	6	I-258	-

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	6. Pate for cosp-making	"	1,750	-	-
D.	Mineral Products				
	1. Magnesite calcined	"	3,350	I-230	83
	2. Plastic clay (Si 45-50% Al 32-38%) for mixing with inferior Italian clays for industrial ceramics.	"	7,000	-	-
	3. Fluor spar	"	160	I-230	2
	4. Criolite	"	420	-	-
	5. Clay with high Al_2O_3 content	"	52,000	-	-
	6. Chromite (40-50% Cr_2O_3)	"	4,300	I-230	24
	7. Phosphor Rock	"	170,000	I-232	1
	8. Manganese ore	"	17,000	-	-
	9. Graphite silvery	"	150	I-230	28
	10. Kaolin for high-resistance insulators	"	7,000	-	-
E.	Chemical and pharmaceutical products				
	1. Glycerin	"	30	I-244	33
	2. Turpentine (pinene)	"	700	I-221	284
	3. Colophony	"	2,500	Q1-145	2
	4. Naphtalene, distilled	"	350	-	-
	5. Butylic alcohol	"	240	I-231	3
	6. Benzoïc acid	"	80	-	-
	7. Cresilic acid	"	150	-	-
	8. Atropine sulphate	"	0.003	-	-
	9. Ethylenic glycol	"	6	3658	-
	10. Pyrethrum Extract	"	3	-	-
	11. Bismuth, technical	"	9	-	-
	12. Bismuth, medicinal	"	4.800	I-244	10/11
	13. Aeroflout 15%	"	1.300	-	-
	14. Aeroflout 25%	"	0.450	-	-
	15. Aeroflout 31%	"	1.300	-	-
	16. Pine oil	"	7.800	-	-
	17. Frother	"	0.900	-	-
	18. Gefanol	"	0.600	-	-
	19. Flotol S.2	"	0.300	-	-
	20. Agar - Agar (Kopo)	"	5.300	-	-
	21. Succinic acid	"	0.450	-	-
	22. Alumina hydrate	"	200	-	-
	23. Caffein	"	1.140	I-244	12

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APPENDIX A, Continued.

(1)	(2)	(3)	(4)	(5)
24. Quinine sulphate	"	1,800	-	-
25. Cocaine	"	0.009	I-244	24
26. Ephedrine laevo- prima	"	0.270	I-244	30
27. Emetine	"	0.009	I-244	28
28. Euchinine	"	0.150	-	-
29. Gum Arabic	"	15	-	-
30. Lanolin	"	7,500	I-244	40
31. Lithium chloride	"	1.050	-	-
32. Opium	"	4.800	-	-
33. Palladium	"	0.0012	-	-
34. Scopolamine bromohydrate	"	0.0005	-	-
35. Spartein sulphate	"	0.06	-	-
36. Thecurosine	"	0.750	I-244	71
37. Soda sulphate	"	500	-	-
38. Trioline	"	250	Q-149	5
39. Flotol A	"	0.900	-	-

F. Rubber and materials for manufacturing rubber products

1. Raw rubber	"	270	ORD-92	1
2. Synthetic rubber	"	3,900	ORD-92	2
3. Regenerated rubber	"	1,950	-	-
4. Carbon black-active	"	920	ORD-92	3
5. Carbon black-semiactive	"	420	-	-
6. Carbon black-inactive	"	150	-	-

G. Basic materials for textiles and papers

1. Cellulose for paper	"	24,000	I-229	1
2. Fibre cellulose for rayon (Type 1, bleached sulphite pulp, sheets of 60 cm. by 80 cm. Alpha-cellulose 87% or more, ashes not lower than 0.2%)	"	12,000	-	-
3. Washed wool	"	7,250	QM-109	58
4. Waste wool	"	1,400	-	-
5. Cotton	"	26,000	QM-109	60
6. Jute	"	3,000	-	-
7. Rags & waste-vegetable, animal & mixed	"	4,800	-	-
8. Sisal	"	950	-	-
9. Manila	"	850	-	-
10. Chinese ramie	"	700	-	-

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2.	Rubber and materials for manufacturing rubber products				
	1. Raw rubber	"	270	ORD-92	1
	2. Synthetic rubber	"	5,900	ORD-92	2
	3. Reconverted rubber	"	1,950	-	-
	4. Carbon black-active	"	920	ORD-92	3
	5. Carbon black-conductive	"	420	-	-
	6. Carbon black-inactive	"	150	-	-
3.	Basic materials for textiles and papers				
	1. Cellulose for paper	"	24,000	I-229	1
	2. Fine cellulose for rayon (Type 1, bleached sulphite pulp, sheets of 60 cm. by 30 cm. Alpha-cellulose 87% or more, ashes not lower than 0.2%)	"	12,000	-	-
	3. Wasted wool	"	7,250	QM-109	3a
	4. Waste wool	"	1,100	-	-
	5. Cotton	"	26,000	QM-109	3b
	6. Jute	"	5,500	-	-
	7. Rags & waste-vegetable, animal & mixed	"	4,800	-	-
	8. Sisal	"	850	-	-
	9. Manila	"	850	-	-
	10. Chinese ramie	"	700	-	-
	Cotton thread for manufacturing fish nets:				
	11. 100/6 strand	"	15	QM-121	1a
	12. 80/6 strand	"	15	QM-121	1b
	13. 60/6 strand	"	90	QM-121	1c
	14. 50/6 strand	"	90	QM-121	1d
	15. 40/6 strand	"	120	QM-121	1e
	16. 12/6 strand	"	90	QM-121	1f
	17. 8/6 strand	"	100	QM-121	1g
	18. Sail cloth - 11 oz. (300,000 sq. yds.)	"	300	QM-121	2
	19. Ropes of coir & manila (assorted diameters from 15 mm. to 65 mm.)	"	100	-	-

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APPENDIX A continued.

(1)	(2)	(3)	(4)	(5)
H. Insulating materials, varnishes & solvents				
1. Shellac	m. ton	60	I-226	1
Mica splittings, book form:				
2. Grade 5	"	30	I-236	22
3. Grade 5.5 splittings, loose	"	30	I-236	22
4. Grade 6 splittings, loose	"	30	I-236	22
5. Solvents (benzol etc.)	"	120	I-221	1,70
6. Asbestos in flakes	"	6	I-221	328
7. Carpenter's glue (neat)	"	350	I-221	64
8. Casein	"	350	-	-
I. Non-ferrous metals				
1. Copper, blister	"	10,500	-	-
2. Copper, electrolytic	"	5,000	I-243	1
3. Copper in wire bars	"	10,500	-	-
4. Pure tin ingots	"	1,750	MISC-144	2
5. Nickel in strips for cathodes	"	655	I-230	32
6. Cobalt	"	0.600	-	-
7. Silver	"	15	-	-
8. Nickel-Chromium in ingots for wire-drawing	"	30	-	-
Reddits, corax:				
9. diam. mm. 2.5 to 10	"	1.500	I-236	45
10. diam. mm. 3 to 10	"	1.500	I-236	45
11. diam. mm. 4 to 10	"	1.500	I-236	45
12. diam. mm. 5 to 10	"	0.600	I-236	45
13. Tungsten for filaments to coil and draw	"	1.50	I-236	44
Molybdenum, bright, on spools:				
14. Diam. mm. 0.05	Kg.	150)		
15. 0.06	"	500)		
16. 0.07	"	2,400)		
17. 0.08	"	1,200)		
18. 0.09	"	1,800)		
19. 0.11	"	1,200)	I-236	45
20. 0.12	"	600)		
21. 0.14	"	600)		
22. 0.15	"	120)		
23. 0.16	"	120)		
24. 0.20	"	60)		
25. 0.25	"	60)		
26. Platinum for catalysts	"			

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1.	Copper, blister	"	10,500	-	-
2.	Copper, electrolytic	"	5,000	I-245	1
3.	Copper in wire bars	"	10,500	-	-
4.	Pure tin ingots	"	1,750	I-30-144	2
5.	Nickel in strips for cathodes	"	655	I-250	32
6.	Cobalt	"	0.600	-	-
7.	Silver	"	15	-	-
8.	Nickel-Chromium in ingots for wire-drawing	"	30	-	-
	Reddits, borax:				
9.	diam. mm. 2.5 to 10	"	1.500	I-236	45
10.	diam. mm. 3 to 10	"	1.500	I-236	45
11.	diam. mm. 4 to 10	"	1.500	I-236	45
12.	diam. mm. 5 to 10	"	0.600	I-236	45
13.	Tungsten for filaments to coil and draw	"	1.50	I-236	44
	Molybdenum, bright, on spools:				
14.	Diam. mm. 0.05	Kg.	150		
15.	0.06	"	300		
16.	0.07	"	2,400		
17.	0.08	"	1,200		
18.	0.09	"	1,800		
19.	0.11	"	1,200	I-256	45
20.	0.12	"	600		
21.	0.14	"	600		
22.	0.15	"	120		
23.	0.16	"	120		
24.	0.20	"	60		
25.	0.25	"	60		
26.	Platinum for catalytic nets	"	10	I-215	1
27.	Rhodium for catalytic nets	"	0.300	I-215	9
28.	Vanadium Oxide (V_2O_5) catalytic masses	m. ton	6	I-215	82
29.	Vanadium anhydride (V_2O_5) or corresponding quantity of Vanadic ammonium	"	2	-	-

L. Ferrous metals and ferrous alloys

1.	Homogeneous iron in bars	"	17,500	I-235	2
2.	Homogeneous iron in strips, width mm. 40 to 50 thickness mm. 0.4 to 3.0	"	10,500	I-235	2

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APPENDIX A continued.

(1)	(2)	(3)	(4)	(5)
Iron rods for reinforced concrete, R-42 to 50 Kg., commercial lengths:				
3. Assorted diams. mm. 6,8,10,12, 14,16.	m. ton	35,000	I-235	2
4. Assorted diams. mm. 18,20,22, 24,25.	"	17,500	I-235	2
Iron sheets, corrugated, galvanized:				
5. Thickness mm. 0.5	"	10,500	I-235	2
6. Thickness mm. 10	"	7,000	I-235	2
Black iron plate:				
7. Assorted thicknesses mm. 4,5, 6,8.	"	3,500	I-235	2
8. Assorted thicknesses mm. 10, 12, 14.	"	875	I-235	2
9. Tin plate, thickness mm. 0.28 to 0.40, dimensions 28" x 20" (smaller thicknesses are required especially)	"	7,000	I-235	2
10. Railroad rail, vignola type, 36 kg. per meter	"	2,200	I-210	2
11. Railroad rail, Phoenix type (girder rail), 54 kg. per meter	"	1,000	I-210	3
12. Magnetic sheets, 2.3 W/kg. 0.5 mm. thick, for generators	"	3,500	I-235	2
13. Magnetic sheets, 1.1 to 1.3 W/kg 0.35 mm. thick., for transformers	"	1,750	I-235	2
14. Ferro-tungsten (70/75% W)	"	60	I-230	25
15. Ferro-molybdenum (70/75% Mo)	"	30	I-230	25
16. Acheson type electrodes Diam. mm. 75, 80,150,175,250,300,305	"	1,850	-	-
Amorphous carbon electrodes:				
17. mm. 500 x 500 x 1,200	"	700	-	-
18. mm. 530 x 400 x 2,000	"	400	-	-
19. Electrode paste, Soderberg	"	400	-	-
Steel cables & ropes:				
a. for funicular railway:				
20. 1. Diam. 40 mm., pitch of strand				

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8.	Assorted thicknesses mm. 10, 12, 14.	"	675	I-233	2
9.	Tin plate, thickness mm. 0.28 to 0.40, dimensions 28" x 20" (smaller thicknesses are required especially)	"	7,000	I-235	2
10.	Railroad rail, vignole type, 33 kg. per meter	"	2,200	I-210	2
11.	Railroad rail, Phoenix type (girder rail), 54 kg. per meter	"	1,000	I-210	3
12.	Magnetic sheets, 2.3 W/kg. 0.5 mm. thick, for generators	"	3,300	I-235	2
13.	Magnetic sheets, 1.1 to 1.3 W/kg 0.35 mm. thick., for transformers	"	1,750	I-235	2
14.	Ferro-tungsten (70/75W)	"	60	I-230	25
15.	Ferro-molybdenum (70/75% Mo)	"	30	I-230	25
16.	Acheson type electrodes Diam. mm. 75, 80,150,175,250,300,305	"	1,850	-	-
	Amorphous carbon electrodes:				
17.	mm. 500 x 500 x 1,200	"	700	-	-
18.	mm. 350 x 400 x 2,000	"	400	-	-
19.	Electrode paste, Soderberg	"	400	-	-
	Steel cables & ropes: a. For funicular railway:				
20.	1. Diam. 40 mm., pitch of strand 32 cm., pitch of wire in strand 12.5 cm., testing load 106 m.tons, tensile strength of steel per sq.mm. 160 kg.,wt. per mt. 5.5 kg., diam of thick wire 2.66 mm. diam of thin wire 1.6 mm.,number of thick wires 72, number of thin wires 114, 19 thin wires and 12 thick wires, constructed without soldered joints, wound around hemp core, albert lay type. Length of cable must be in one piece.	Motor	650	I-210	8

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APPENDIX A continued.

	(1)	(2)	(3)	(4)	(5)
21.	ii. specifications as above.	Meter	1,080	I-210	9
22.	iii. Diam. 42 mm., testing load 102 M. tons, tensile strength per sq.mm. 170 kg., weight per meter 6.5 kg., diam. of thick wires 2.18 mm., diam of thin wires 1.72 mm., no. of thick wires 15, no. of thin wires 42, 7 thin wires and 26 thick wires, constructed without soldered joints, wound around hemp core, albert lay type. Length of cable must be in one piece.	"	1,400	I-210	10
23.	iv. Diam 38 mm., testing load 76 tons, tensile strength per sq.mm. 160 kg., wt. per meter 5.2 kg., diam. of wire 2.5 mm., no. of wires 114 in. 6 strands, constructed without soldered joints, wound around hemp core, albert lay type. Length of cable must be in one piece.	"	600	I-210	11
24.	v. Diam. 20 mm., testing load 24 m. tons, tensile strength per sq. mm. 160 kg., wt. per meter 1.45 kg., constructed of 6 strands of wire of 1.3 mm. diam., without soldered joints, wound around hemp core, albert lay type. Length of cable must be in one piece.	"	600	I-210	12
	b. for marine purposes:				
	i. for kedge anchor	"	1,200		
25.	diam. 15 mm.	"	1,200		
26.	" 18 mm.	"	15,000		
27.	" 19 mm.	"	1,000		
28.	" 23 mm.				
	ii. for rigging:	"	10,000		
29.	diam. 8 mm.	"	25,000		
30.	" 9.5 mm.	"	5,000		
31.	" 10 mm.	"	50,000		

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	tod without soldered joints, wound around hemp core, albert lay type. Length of cable must be in one piece	"	1,400	I-210	10
23.	iv. Diam 38 mm., testing load 76 tons, tensile strength per sq.mm. 160 kg., wt. per meter 5.2 kg., diam. of wire 2.9 mm., no. of wires 114 in. 6 strands, constructed without soldered joints, wound around hemp core, albert lay type. Length of cable must be in one piece.	"	600	I-210	11
24.	v. Diam. 20 mm., testing load 24 m. tons, tensile strength per sq. mm. 160 kg., wt. per meter 1.43 kg., constructed of 6 strands of wire of 1.3 mm. diam., without soldered joints, wound around hemp core, albert lay type. Length of cable must be in one piece.	"	600	I-210	12
	b. for marine purposes:				
	i. for kedge anchor				
25.	diam. 15 mm.	"	1,200		
26.	" 18 mm.	"	1,200		
27.	" 19 mm.	"	15,000		
28.	" 23 mm.	"	1,000		
	Ai. for rigging:				
29.	diam. 8 mm.	"	10,000		
30.	" 9.5 mm.	"	25,000		
31.	" 10 mm.	"	5,000		
32.	" 12.7 mm.	"	50,000		
	iii. for towing:			TC-98	4
33.	diam. 16 mm.	"	1,500		
34.	" 17 mm.	"	1,500		
35.	" 18 mm.	"	9,000		
36.	" 20 mm.	"	10,000		
37.	" 22 mm.	"	7,000		
	iv. for various purposes (flexible cables):				
38.	diameters mm. 8,12,20.	"	2,500		
39.	" mm. 25,30.	"	2,500		

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APPENDIX A continued.

(1)		(2)	(3)	(4)	(5)
	c. For aerial roadway: metallic cable, six strands with hemp center.				
40.	diam. 1"	Meter	68,000	EWG-120	1
41.	" 5/8"	"	38,000		2
42.	" 1 1/2"	"	103,000		3
43.	" 5/16"		40,000		4
	d. Steel rope plough steel quality				
44.	6 x 19 strand, right-hand lay 5/8" diam.	Foot	45,000		
45.	6 x 19 strand, left-hand lay, 5/8" diam.	"	1,000		
46.	6 x 19 strand, right-hand lay, 9/16" diam.	"	15,000		
47.	6 x 19 strand, right-hand ley, 2 1/4 diam.	"	3,000		
48.	6 x 25 strand, right-hand lay, 1 9/16" diam.	"	2,000		
49.	6 x 19 strand, right-hand lay, 1 1/4" diam.	"	16,000		
50.	6 x 19 strand, right-hand lay, 1 1/8" diam.	"	1,000		
51.	6 x 19 strand, right-hand lay, 1" diam.	"	4,600		
52.	6 x 19 strand, right-hand lay, 7/8" diam.	"	10,000		
53.	6 x 37 strand, right-hand lay, 3/4" diam.	"	9,300		
54.	6 x 37 strand, left-hand lay, 3/4" diam.	"	9,300		
55.	6 x 7 strand, right-hand lay, 9/16" diam.	"	16,000	EWG-89	
56.	6 x 37 strand, right-hand lay, 9/16" diam.	"	5,400		
57.	6 x 7 strand, right-hand lay, 1/2" diam.	"	9,600		
	e. Steel rope, plough steel quality, galvanized, hemp core, right-hand lay				
58.	6 x 19 strand, 3/4" diam.	"	1,300		
59.	6 x 19 strand, 5/8" diam	"	1,300		
60.	6 x 7 strand, 5/8" diam.	"	14,500		
61.	6 x 37 strand, 5/8" diam.	"	14,000		
62.	6 x 19 strand, 1/2" diam.	"	6,000		
63.	6 x 19 strand, x/8"				

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46.	6 x 19 strand, right-hand lay, 9/16" diam.	"	15,000	
47.	6 x 19 strand, right-hand lay, 2 1/4 diam.	"	3,300	
48.	6 x 25 strand, right-hand lay, 1 9/16" diam.	"	3,000	
49.	6 x 19 strand, right-hand lay, 1 1/4" diam.	"	15,000	
50.	6 x 19 strand, right-hand lay, 1 1/8" diam.	"	1,000	
51.	6 x 19 strand, right-hand lay, 1" diam.	"	4,600	
52.	6 x 19 strand, right-hand lay, 7/8" diam.	"	10,000	
53.	6 x 37 strand, right-hand lay, 3/4" diam.	"	9,300	
54.	6 x 37 strand, left-hand lay, 3/4" diam.	"	9,500	
55.	6 x 7 strand, right-hand lay, 9/16" diam.	"	16,000	E.G-69
56.	6 x 37 strand, right-hand lay, 9/16" diam.	"	5,400	
57.	6 x 7 strand, right-hand lay, 1/2" diam.	"	9,600	

e. Steel rope, plough steel quality, galvanized, hemp core, right-hand lay

58.	6 x 19 strand, 3/4" diam.	"	1,300	
59.	6 x 19 strand, 5/8" diam	"	1,500	
60.	6 x 7 strand, 5/8" diam.	"	14,500	
61.	6 x 37 strand, 5/8" diam.	"	14,000	
62.	6 x 19 strand, 1/2" diam.	"	6,000	
63.	6 x 12 strand, 5/8" diam.	"	1,000	E.G-69
64.	6 x 19 strand, 1/4" diam.	"	5,500	

f. Rope, steel, flat

65.	3 1/2" x 5/8", uncoated, 2 lengths, ea. 1,500 ft.	"	3,000	E.G-69

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g. Steel cable, zinc coated, hemp core, flexible

66.	Diam. 5/16"	m. ton	70	
67.	Diam. 3/8"	"	70	W/EMG/20-121 3
68.	Diam. 7/8"	"	70	
69.	American type track with rails, complete with rail anchors, fish plates, bolts, dog spikes and stay plates (20 sleepers per span) weight 110 pounds per meter, length 39 feet. (Note: nearest size rail acceptable but must not be lighter than above specific item.)	m. tons	15,000	

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APPENDIX A continued.

(1)		(2)	(3)	(4)	(5)
M.	Timber and semi-finished wood products				
	Fir (spruce) logs (Austria)	M.ton	400,000	I-219	3
	Oak & beech logs (Jugoslavia)	"	200,000	I-219	2
	Sawn:				
	a. Oak for naval construction:				
	Section / length / Pieces				
1.	14"x14" / 40' / 650				8
2.	12"x12" / 40' / 470				9
3.	12"x8" / 34' / 3,400	"	28,000	I-219	10
4.	12"x6" / 34' / 1,400				11
5.	12"x10" / 34' / 2,250				12
6.	10"x8" / 34' / 2,700				13
7.	16"x8" / 34' / 2,600				14
8.	8"x6" / 28' / 36,000				15
9.	8"x6" / 34' / 37,250				16
	b. Pitch-pine for naval construction:				
	Section / Length / Pieces				
10.	14"x14" / 40' / 580				4
11.	12"x12" / 40' / 350				5
12.	10"x10" / 80' / 5,300	"	5,500	I-219	6
13.	10"x8" / 28' / 10,500				7
14.	Standard wooden ties for track and switches of the Italian State Railways (No. pieces 240,000)	"	22,500		
N.	Supplies for the leather industry				
1.	Raw hides for sole leather, dried; sources: Argentina, Uruguay, Brazil. Av.wt.per dry skin from Kg.9.5 to 10.5	"	12,050	UK-110	4
2.	Raw hides for uppers. Av.wt.per skin Kg.4.5 to 5.5	"	3,775	UK-110	5
3.	Sheep hides for uppers and linings; dry and dry salted; sources: North Africa, Greece, Algeria, Turkey.	"	930	-	-
4.	Calf skins, salted; source: U.S.A.	"	600	-	-
5.	Animal oils (fish, whale, neatsfoot)				

3.	12"x6"	54'	3,400	"	28,000	I-219	9
4.	12"x6"	54'	1,400				10
5.	12"x10"	54'	2,250				11
6.	10"x8"	54'	2,700				12
7.	16"x6"	54'	2,600				13
8.	8"x6"	28'	35,000				14
9.	8"x6"	54'	57,250				15
							16

b. Pitch-pine for naval construction:

	Section	Length	Pieces				
10.	14"x14"	40'	580				
11.	12"x12"	40'	750	"	5,500	I-219	4
12.	10"x10"	80'	3,500				5
13.	10"x8"	28'	10,500				6
							7

14.	Standard wooden ties for track and switches of the Italian State Railways (No. pieces 240,000)	"	22,500		

B. Supplies for the leather industry

1.	Raw hides for sole leather, dried; sources: Argentina, Uruguay, Brazil. Av.wt. per dry skin from Kg.9.5 to 10.5	"	12,050	QM-110	4
2.	Raw hides for uppers. Av.wt. per skin Kg.4.5 to 5.5	"	3,775	QM-110	5
3.	Sheep hides for uppers and linings; dry and dry salted; sources: North Africa, Greece, Albania, Turkey.	"	930	-	-
4.	Calf skins, salted; source: U.S.A.	"	600	-	-
5.	Animal oils (fish, whale, neatsfoot)	"	345	-	-
6.	Extract dry tannic (conc. 67% TF), quebracho,	"	6,100	-	-
7.	Sodium dichromate	"	180	-	-

C. Foodstuffs

1.	Calves' stomachs for the manufacture of liquid rennet (No. pieces 30,000)	"	5	-	-
2.	Whole barley for malt production	"	120	-	-
3.	Maize (for feeding swine)	"	51,000	-	-

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APPENDIX A continued

(1)	(2)	(3)	(4)	(5)
4. Potato starch (for invalids' food)	m.ton	24	-	-
5. Sugar (For food conservation industry)	"	30,000	-	-
6. Pepsin in grains (For the pork industry)	"	48	-	-
7. Glucose and derivatives	"	5,000	-	-
8. Cocoa	"	1,300	-	-
9. Cane molasses	"	1,200	-	-
10. Date paste (Kulta Dura)	"	2,400	-	-
11. Soya lecithin	"	45	-	-
12. Vanilla beans	"	3	-	-
13. Edible oils (For food conservation industry): cocoa, cotton, soya.	"	500	-	-
14. Cocoa butter	"	450	-	-
15. Tin oxide enamel for cans	"	150	-	-
16. Gilt varnish for lining cans	"	120	-	-
3. Miscellaneous				
Graphite crucibles, Morgan type				
1. 30 points	No.	700)		
2. 50 points	"	1,050)		
3. 100 points	"	700)	I-221	396-399
4. 150 points	"	325)		
5. 200 points	"	325)		
6. 400 points	"	350)		
7. Normal white fuse, tarred	Meter	2,000,000	I-216	9
8. Fuse cap, No.10, non-electric	No.	2,000,000)		
Fuse cap, No. 10, electric:				
9. No delay	"	33,300)		
10. 1st delay	"	33,300)		
11. 2nd "	"	33,300)	I-216	5
12. 3rd "	"	33,300)		
13. 4th "	"	33,300)		
14. 5th "	"	33,300)		
Tubes, radio				
15. Type RCA [illegible]				

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	cer-plex refractory): cover, cotton, type.	"	500	-	-	
14.	Lucas putter	"	450	-	-	
15.	Tin oxide (crucible or cone	"	150	-	-	
16.	Gilo varnish for lining cone	"	120	-	-	

F. Miscellaneous

	Graphite crucibles, Morgan type				
1.	30 points	No.	700)		
2.	50 points	"	1,050)		
3.	100 points	"	700)	I-221	396-399
4.	150 points	"	525)		
5.	200 points	"	525)		
6.	400 points	"	350)		
7.	Nonel white fuse, tarred	Meter	2,000,000	I-216	9
8.	Fuse cap, No.10,non-electric	No.	2,000,000)		
	Fuse cap, No. 10, electric:				
9.	No delay	"	53,500)		
10.	1st delay	"	55,500)		
11.	2nd "	"	53,500)	I-216	3
12.	3rd "	"	53,500)		
13.	4th "	"	53,500)		
14.	5th "	"	53,500)		
	Tubes, radio				
15.	Type REN Telefunken	"	200)		
16.	" EV 222	"	200)		
17.	" EV 218	"	150)		
18.	" Va Electric	"	150)		
19.	" Ca "	"	100)		
20.	" Ea "	"	60)		
21.	Receiver, type 80	"	30)		
22.	" " 6 K 7 G	"	50)	I-235	10-13
23.	" " 6 Q 7 G	"	20)		
24.	" " 6 L 7 G	"	10)		
25.	" " 6 J 7 G	"	20)		
26.	" " 6 K 8 G	"	10)		
27.	" " 6 X 6 G	"	10)		
28.	Transmitter, type 42	"	15)		
29.	" " 807	"	25)		
30.	" " 834	"	25)		
31.	" " 833	"	20)		
32.	" " 845	"	8)		
33.	" " 838	"	24)		
34.	" " 891	"	8)		
35.	" " 866	"	4)		
36.	" " 872	"	60)		
37.	" " 869	"	10)		
38.	" " 857	"	4)		

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Appendix A continued.

	(1)	(2)	(3)	(4)	(5)
	Spare parts for Ingersoll compressors:				
39.	Type Serial No.	Part No.			
	ER1 10"x10" 22,749	valve plate	30)		393b
40.	ER1 10"x10" "	" spring "	30)		394
41.	ER60 1 14"x10" -	" plate "	6)		395
42.	" " -	" spring "	6)	I-207	396
43.	12"x15" 1689277	" plate "	6)		397
44.	" "	" spring "	6)		398
45.	11"x16" 1698277	" plate "	6)		399
46.	" "	" spring "	6)		400
47.	" 1698137	" plate "	6)		401
48.	" "	" spring "	6)		402
	Spare parts for Sullivan compressors:				
	Type Serial No.	Part			
49.	WSR-6				
	10"x10" 5975	Valve plate No.	6)		403
50.	" "	" spring "	6)		404
51.	WSR-6		(	I-207	
	14" x12" 7916	" plate "	6)		405
52.	" "	" spring "	6)		406
	Parts for air compressor, consolidated Pneumatic Tool Co.				
	Type Serial No.	Part No.			
53.	C331 11, 20"x12"x 14" 8522	Valve plate "	6)	I-207	407
54.	" "	" spring "	6)		408
55.	Parts for sharpener, drill steel, Ingersoll-Rand Type 50, dollies, dies, formers, grazing blocks for bits with diameters 1 1/4", 1 1/2", 1 5/8", 1 3/4", on 1" hex. steel.	Set	12)		409
56.	Same as above, for 7/8" hex steel	"	12)		410
	Parts for Dorrco pump:		)		
57.	Diaphragms for Simplex No. 4	No.	12)		383
58.	" " Pressure No. 4	"	12)		384
	For Pressure Pump 3		)		

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46.	"	"	"	spring	"	6)			400
47.	"	1693127	"	plate	"	6)			401
48.	"	"	"	spring	"	6)			402
	Spare parts for Sullivan co - pressors:								
	Type	Serial No.		Part					
49.	WGR-6								
	10"x10"	5975		Valve plate	No.	6)			403
50.	"	"	"	spring	"	6)			404
51.	WGR-6					(	I-207		
	14" x12"	7916	"	plate	"	6)			405
52.	"	"	"	spring	"	6)			406
	Parts for air compressor, consolidated Pneumatic Tool Co.								
	Type	Serial No.		Part	No.				
53.	CCBL 11, 20"x12"x 14"	8522		Valve plate	"	6)	I-207		407
54.	"	"	"	spring	"	6)			408
55.	Parts for sharpener, drill steel, Ingersoll-Rand Type 50, dollies, dies, formers, gauging blocks for bits with diameters 1 1/4", 1 1/2", 1 5/8", 1 3/4", on 1" hex. steel.				Set	12)			409
56.	Sets as above, for 7/8" hex steel				"	12)			410
	Parts for Dorrco pump:					)			
57.	Diaphragms for Simplex No. 4				No.	12)			383
58.	" " Pressure No. 4				"	12)			384
	For Pressure No. 2					)			
59.	Diaphragms				"	12)	I-207		385a
60.	Valves, upper seat				"	24)			386
61.	Valves, lower seat				"	24)	3650		388
	Valves for Ingersoll-Rand Pump, type					)			
62.	XB-23x2 - Serial No. 503427				Set	24)			382
63.	Impellers, Denver, Flotation Cell No. 18				No.	24)			381
64.	Valves, rubber, complete for Oliver Filter, type 8 PW 40 W 33				"	24)			175

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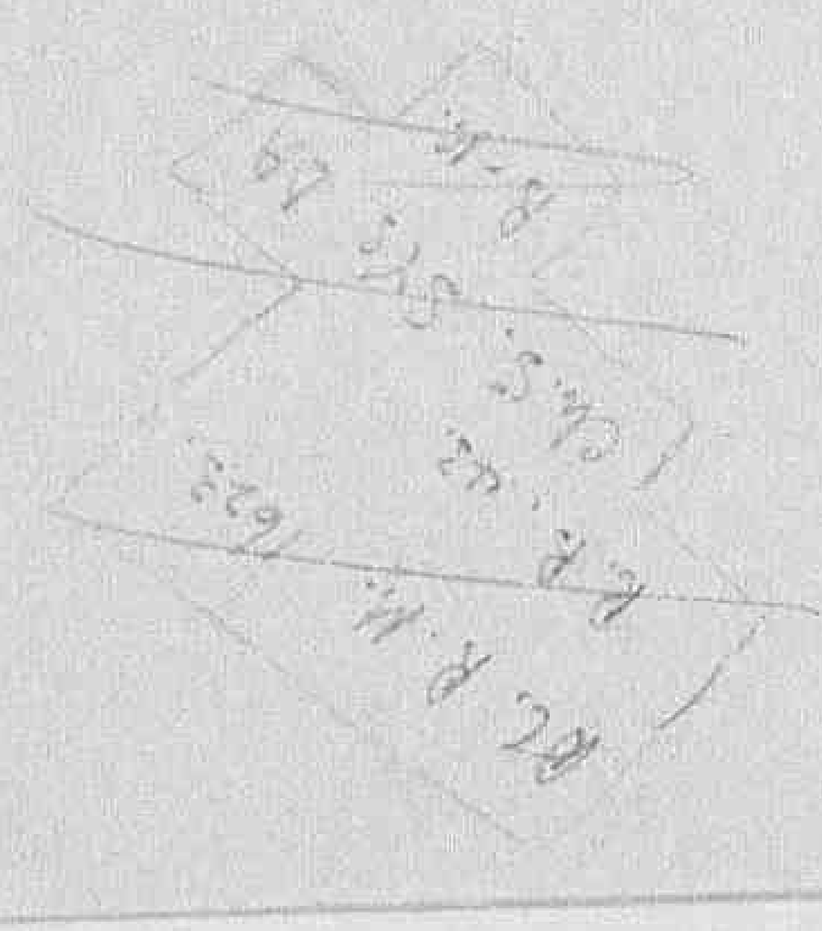
TOTAL SUMMARY OF REPORT

ADRIATIC BASE COMMAND	$ 61,820.43
PENINSULAR BASE SECTION	4,824,622.68
NORTHERN BASE SECTION	2,200.00
TOTAL LANDED COST	$ 4,888,643.11

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SECRET



SUMMARY
ADRIATIC BASE COMMAND

Engineer Surplus Stocks	$ 8,667.30
Medical Surplus Stocks	736.25
Quartermaster Surplus Stocks	38,225.00
Signal Surplus Stocks	14,171.88
TOTAL	$ 61,820.43

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Signal Surplus Stocks	14,1[illegible]
TOTAL	$ 61,620.43

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CORPS OF ENGINEERS
SURPLUS STOCKS

ADRIATIC BASE COMMAND

Item No.	Stock No.	Item and Condition	Unit	Quantity	Unit Price
1.	03-6500.5-5	Marker,mineficld M-1 consisting of 30 flags, 2 roll of tape w/ canvas carrying case (Cl "..")	set	20	$ 7.0
2.	03-8500.5-5	Swivel (.merican)le tinal device equipment barrage balloon VLAE DWG XE 430154 (Cl "..")	ea	20	4.5
3.	05-8200.5-6	Paddle boat single blade,5 foot long (Cl "..")	ea	268	1.5
4.	17-1216.6-1	Arrester lighting thyrite 0-600 V. 1 pole (Cl "..")	ea	10	5.0
5.	24-3058.5-06	Bucket, canvas folding 6 quart (Cl "..")	ea	150	1.8
6.	41-1143.43-1	Auger posthole extension handle 10 inch capacity	ea	65	2.2
7.	41-1143	Auger, shipring shank type 1, Class 0 handle d 3/6" screw (Cl "..")	ea	15	4.0
8.	41-1143.6-05	Auger, ship ring shank handled, 1/2" (Cl "..")	ea	10	5.75

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CORPS OF ENGINEERS
SURPLUS STOCKS

ADRIATIC BASE COMMAND

Item and Condition	Unit	Quantity	Unit Price	Total Cost	Landed Cost
Marler,minefield M-1 consisting of 30 flags, 2 roll of tape w/ canvas carrying case (Cl "A")	set	20	$ 7.00	$ 140.00	$ 175.00
Swivel (American)lethal device equipment barrage balloon VLAE DWG XS 430154 (Cl "A")	ea	20	4.50	90.00	112.50
Paddle boat single blade,5 foot long (Cl "A")	ea	268	1.56	418.08	522.60
Arrester lighting thyrite 0-600 V. 1 pole (Cl "A")	ea	10	5.00	50.00	62.50
Bucket, canvas folding 6 quart (Cl "A")	ea	150	1.87	280.50	350.63
Auger posthole extension handle 10 inch capacity	ea	65	2.25	146.25	182.81
Auger, shipring shank type 1, Class 0 handle & 3/8" screw (Cl "A")	ea	15	4.00	60.00	75.00
Auger, ship ring shank handled, 1/2" (Cl "A")	ea	10	5.75	57.50	71.88

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CORPS OF ENGINEER
SURPLUS STOCKS

ADRIATIC BASE COMMAND

Item No.	Stock No.	Item and Condition	Unit	Quantity
9.	41-	Dies pipe, 3/8" for rigid stocks size)-R, 00-R, 11-R, 12-R, 30-A (4 dies per set)(Cl "A")	set	125
10.	41-	Dies pipe, 1/2" for rigid stocks size)-R, 00-R, 11-R, 12-R, 31-A (4 dies per set) (Cl "A")	set	100
11.	41-	Dies pipe, 1" for rigid stocks size, R-00, R-11, R-12, 31-A (4 dies per set) (Cl "A")	set	65
12.	41-7317.3-26	Set and header rivet, black, smith, class 1, 5/8" (Cl "A")	ea	10
13.	42-3976.7-26	Connector, timber toothed ring 2- and 5/8" (Cl "A")	ea	2,5[illegible]
14.	48-	Bolt, eye steel, 1/2 x 4" (Cl "A")	ea	1,000
15.	45-0348.025-015	Reducer, fire hydrant, brass lug, type female to male, $2\frac{1}{2}$" x 3"	ea	50

TOTAL ADRIATIC Base

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CORPS OF ENGINEER
SURPLUS STOCKS

ADRIATIC BASE COMMAND

Item and Condition	Unit	Quantity	Unit Price	Total Cost	Landed Cost
...ss pipe, 3/8" for rigid ...ocks size)-R, 00-R, 11-R, ...-R, 30-A (4 dies per set)(Cl "A")	set	125	$ 5.00	$ 625.00	$ 781.25
...ss pipe, 1/2" for rigid stocks ...ize)-R, 00-R, 11-R, 12-R, 31-A ...4 dies per set) (Cl "A")	set	100	6.00	600.00	750.00
...ss pipe, 1" for rigid stocks ...ize, R-00, R-11, R-12, 31-A ...4 dies per set) (Cl "A")	set	65	7.00	455.00	568.75
...t and header rivet, black, ...mith, class 1, 5/8" (Cl "A")	ea	10	1.50	15.00	18.75
...nector, timber toothed ring ...- and 5/8" (Cl "A")	ea	2,500	1.25	3125.00	3,906.25
...lt, eye steel, 1/2 x 4" ...Cl "A")	ea	1,000	.80	800.00	1,000.00
...ducer, fire hydrant, brass ...g, type female to male, ...1" x 2"	ea	50	1.75	87.50	109.38
...TAL ADRIATIC BASE				$ 6,949.83	$ 8,687.38

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M E D I C A L
SURPLUS STOCKS
31 MARCH 1945

ADRIATIC BASE COMMAND

Item No.	Stock no.	Item and Condition	Unit	Quantity
1.	3893[illegible]	Wire, Silver, Preformed Clips (Cl ".")	ea	150
2.	91026	Amyl Salicylate (Cl ".")	pt	2[illegible]
3.	94[illegible]1028	Autoclave, Lab, Field, Leaded Gasoline (Cl "A")	ea	15

TOTAL

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M E D I C A L
SURPLUS STOCKS
31 MARCH 1945

ADRIATIC BASE COMMAND

Lk No.	Item and Condition	Unit	Quantity	Unit Price	Total Cost	Landed Cost
	Wire, Silver, Preformed Clips (Cl "A")	ea	150	.90	$ 135.00	$ 168.75
	Amyl Salicylate (Cl "A")	pt	200	.62	124.00	155.00
	Autoclave, Lab, Field, Leaded Gasoline (Cl "A")	ea	15	22.00	330.00	412.50
	TOTAL				$ 589.00	$ 736.25

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SURPLUS STOCKS

ADRIATIC BASE COMMAND

Item No.	Stock No.	Item and Condition	Unit	Quantity	Unit Price
1.	24-T-375	Triangle, tent, Class A	ea	13,000	.0
2.	74-C-75	Canteen, collapsible, 2½qt., Class A	ea	3,032	10.0

TOTAL

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SURPLUS STOCKS

ADRIATIC BASE COMMAND

	Item and Condition	Unit	Quantity	Unit Price	Total Cost	Landed Cost
5	Triangle, tent, Class A	ea	13,000	.02	$ 260.00	$ 325.00
	Canteen, collapsible, 2½qt., Class A	ea	3,032	10.00	30,320.00	37,900.00
	TOTAL				$30,580.00	$38,225.00

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[illegible]

SURPLUS STOCKS

ADRIATIC BASE COMMAND

Item No.	Stock No.	Item and Condition	Unit	Quantity	Unit
1.	2B818	Headset HW-18, Class A	ea	2,000	4.
2.	2B823	Headset HS-23, Class A	ea	750	4.
3.	243394	Bag BG-94, Class A	ea	45	7.

TOTAL

° Estimated Price.

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SECRET CONTROL

SURPLUS STOCKS

ADRIATIC BASE COMMAND

Item and Condition	Unit	Quantity	Unit Price	Total Cost	Landed Cost
dect HW-18, Class A	ea	2,000	$ 4.00	$ 8,000.00	$10,000.00
dect HS-23, Class A	ea	750	4.00	3,000.00	3,750.00
BC-94, Class A	ea	45	7.50	337.50	421.88
TOTAL				$ 11,337.50	$14,171.88

SUMMARY
PENINSULAR BASE SECTION

Chemical Warfare Service Surplus Stocks	4,287.50
" " " " "	4,577.25
Engineer Surplus Stocks	7,687.50
" " "	376,075.44
" " "	4,212,562.08
Medical Surplus Stocks	550.00
" " "	14,503.40
Ordnance Surplus Stocks	334.43
Quartermaster Surplus Stocks	77,850.00
" " "	5,612.50
Signal Corps Surplus Stocks	90,625.00
Transportation Surplus Stocks	10,670.00
" " "	19,287.58
TOTAL LAND COST	4,824,622.68

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" " "	14,503.40
Ordnance Surplus Stocks	334.43
Quartermaster Surplus Stocks	77,850.00
" " "	5,612.50
Signal Corps Surplus Stocks	90,625.00
Transportation Surplus Stocks	10,670.00
" " "	19,287.58
TOTAL LEASED COST	4,824,622.68

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CHEMICAL WARFARE SERVICE
SURPLUS STOCKS

PENINSULAR BASE SECTION

Item No.	Stock No.	Item and Condition	Unit	Quantity	Unit Price
1.	(1BB-1)	Generator, smoke, vehicular, Ml Class A	ea	85	
2.	EDN01	Opener, unit container-Class A (Pedestal type)	ea	3	

TOTAL

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CHEMICAL WARFARE SERVICE
SURPLUS STOCKS

PENINSULAR BASE SECTION

m and Condition	Unit	Quantity	Unit Price	Total Cost	Landed Cost
ator, smoke, schieular, Ml ..	ea	85	$ 40.00	$ 3,400.00	$ 4,250.00
r,unit container-Class .. stal type)	ea	3	10.00	30.00	37.50
TOTAL				$ 3,430.00	$ 4,287.50

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CHEMICAL WARFARE SERVICE
SURPLUS STOCKS

PENINSULAR BASE SECTION

Item No.	Stock No.	Item and Condition	Unit	Quantity	Unit Price
1.	--	Barge mount - Class "A"	ea	12	$ 293.75
2.	630522	Apparatus, charging, portable, chemical cylinder - Class "A"	ea	3	+5.85

TOTAL

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CHEMICAL WARFARE SERVICE
SURPLUS STOCKS

PENINSULAR BASE SECTION

and Condition	Unit	Quantity	Unit Price	Total Cost	Lenaea Cost
nt - Class "."	ea	12	$ 293.70	$ 3,524.40	$ 4,405.50
, charging, portable, cylinder - Class ..	ea	3	45.80	137.40	171.75
TOTAL				$ 3,661.80	$ 4,577.25

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CORPS OF ENGINEERS

SURPLUS STOCKS - SSGDS 1

PENINSULAR BASE SECTION

Item No.	Stock No.	Item and Condition	Unit	Quantity	Unit Cost
1.	17-	Circuit Breaker, 225A 250-500V (Class "A")	ea	46	25.00
2.	51-1308-7	Acid, boric, boric acid, powder, 5 lb. can (Class "A")	ea	10,000	.50

TOTAL

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CORPS OF ENGINEERS

SURPLUS STOCKS - SSGDS 1

PENINSULAR BASE SECTION

and Condition	Unit	uantity	Unit Cost	Total Cost	Landed Cost
aker, 225A 250-50 OV)	ea	46	25.00	$ 1,150.00	$ 1,437.50
, boric acid, powder, (Class "A")	ea	10,000	.50	5,000.00	6,250.00
TOTAL				$ 6,150.00	$ 7,687.50

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ENGINEER SECTION

SURPLUS STOCKS

PENINSULAR BASE SECTION

Item No.	Stock No.	Item and Condition	Unit	Quantity	Unit Price
1.	17-1216	Arrestor, lighting, auto valve type, cap. 6000' altitude, 1200V 60 cycle, 6 KA, sgl phase, sgl pole ungrounded CLASS A	ea	18	30.00
2.	17-1216	Ditto 2500V CLASS A	ea	65	85.00
3.	17-7096.7-5	Lamp, incand.btry, serv. type, S-3??, 2.5V med. #14 CLASS A	ea	986	.40
4.	17-	Protector, meter, 3 pole, P-650V, indoor CLASS A	ea	158	20.00
5.	17-	Ditto 3 pole, P-7??-150V CLASS A	ea	291	14.??
6.	17-	Transformer, oil immersed, sgl.phase, 25 cycle, 2400/4160 U-120/240V, 15 KVA CLASS A	ea	15	600.00
7.	17-	Ditto 440, 110V, 15 KVA CLASS A	ea	1	675.00
8.	17-	Ditto 3 phase, 50 cycle, 6600 taps, 6270-5940/220 V - 25 KVA CLASS A	ea	4	995.00
9.	17-	Ditto 6600 taps, 208T/120, 25 KVA CLASS A	ea	3	1,050.00
10.	17-	Transformer, oil immersed, sgl.phase, 50 cycle, 6600 V, 220/127 V, 25 KVA CLASS A	ea	6	1,?25.00

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ENGINEER SECTION

SURPLUS STOCKS

PENINSULAR BASE SECTION

nu Condition	Unit	Quantity	Unit Price	Total Cost	Landed Cost
lighting, auto valve type, altitude, 120..v 60 cycle, phase, sgl pole ungrounded	ea	18	30.00	540.00	675.00
V CL.SS A	ea	65	85.00	5,525.00	6,906.25
nd.btry, surv. type, 0-30#, #14 CL.SS A	ea	986	.44	433.84	542.30
, meter, 3 pole, 0-65.V, indoor	ea	156	22.00	3,476.00	4,345.00
ole, P-7#-150V CL.SS A	ea	291	14.00	4,074.00	5,092.50
r,oil immersed,sgl.phase, 2400/4160 U-120/240V, 15 KVA	ea	15	600.00	9,000.00	11,250.00
110V, 15 KVA CL.SS A	ea	1	675.00	675.00	843.75
ase,50 cycle,6600 taps,6270-/220 V - 25 KVA CL.SS A	ea	4	995.00	3,980.00	4,975.00
taps,208T/120,25 KVA	ea	3	1,050.00	3,150.00	3,937.50
r,oil immersed,sgl.phase, 600 V, 220/127 Y, 25 KVA	ea	6	1,025.00	6,150.00	7,687.50

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Item No.	Stock No.	Item and Condition	Unit	Quantity	Unit Price	Tot
11.	17-	Ditto 33000V,127/220Y,25 KVA CLASS A	ea	9	1,250.00	11
12.	17-	Ditto 33000 taps, 208Y/120V, 27-1/2 KVA CLASS A	ea	2	1,480.00	2
13.	17-	Transformer, oil immersed, dist,type, sgl, phase 60 cycle, 2400/4160Y-120/ 240-over, 2500/4300Y- 250/125V, 75 KVA CLASS A	ea	5	2,250.00	11
14.	17-	Transformer, oil immersed, dist, type, sgl phase 60 cycle, 6600V-127/220Y, 75 KVA	ea	9	2,400.00	21
15.	17-	Ditto 6600 taps, 6270-5940-127/220Y, 75 KVA CLASS A	ea	3	2,565.00	7
16.	17-	Ditto 22000V, 208Y/120V, 75 KVA CLASS A	ea	4	3,125.00	12
17.	17-	Ditto 33000 taps, 208Y/120V, 75 KVA CLASS A	ea	2	3,435.00	6
18.	32-	Rock,wool,insulation,178-lb.box and 100-lb. bale CLASS A	lb	11,900	.03	
19.	42-	Sign,highway,cardboard w/various markings CLASS A	ea	1,937	.30	
20.	44-6950.1-03	Pipe,wood,machine banded,inserted joint, hub and spigot, creosoted, 3 CLASS A	ea	7,907	.50	
21.	44-6950.1-04	Ditto 4" CLASS A	ft	17,024	.60	1

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d Condition	Unit	Quantity	Unit Price	Total Cost	Indsd Cost
0V,127/22. Y,25 KV.. CLASS A	ea	9	1,250.00	$ 11,250.00	$ 14,062.50
0 taps, 208Y/120V, 27-1/2 A	ea	2	1,48[illegible].00	2,9[illegible]	3,7[illegible].00
r, oil immersed, dist,type, 60 cycle, 240[illegible]/416[illegible]Y-120/ 250[illegible]/43[illegible]Y- 25[illegible]/125V, 75 KVA	ea	5	2,250.00	11,250.00	14,062.50
r, oil immersed, dist, type, 60 cycle, 660[illegible]V-127/220Y,	ea	9	2,4[illegible].00	21,6[illegible].00	27,000.00
0 taps, 627[illegible]-594[illegible]-127/220Y, ASS A	ea	3	2,565.00	7,695.00	9,618.75
0V, 208Y/120V, 75 KVA	ea	4	3,125.00	12,5[illegible].00	15,625.00
0 taps, 208Y/120V, 75 KVA	ea	2	3,435.00	6,870.00	8,587.50
,insulation,178-lb.box and ale CLASS A	lb	11,900	.03	357.00	446.25
way,cardboard w/various CLASS A	ea	1,937	.30	581.10	726.36
,machine banded,inserted b and spigot, creosoted,	ea	7,907	.50	3,953.50	4,941.88
CLASS A	ft	17,024	.60	10,214.40	12,768.00

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Item No.	Stock No.	Item and Condition	Unit	Quantity	Unit Price
22.	44-6950.1-06	Ditto 6" CLASS A	ft	444	.60
23.	45-	Adapter, pipe, wood, machine banded, wood stove pipe, hub & spigot, 3' long, 4" CLASS A	ea	1,338	4.35
24.	51-4724.5	Ferrous sulphate, 100-lb drum CLASS A	lb	150,000	.42
25.	66-4425.625-3	Distillation unit, skid mtd, 2500 GPD Cleaver, Brooks, Model M3E-12 CLASS A	ea	8	7,000.00
26.	66-4425.650-3	Distillation unit, skid mtd, 5000 GPD, Cleaver, Brooks Model M2E-25 CLASS A	ea	3	9,000.00
27.	66-9275.7-0	Well drill, machine, rotary type, skid mtd gas engine driven, models 514 and 313 CLASS A	ea	2	11,225.00

TOTAL

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nd Condition	Unit	Quantity	Unit Price	Total Cost	Landed Cost
CLASS A	ft	444	.80	355.20	44[illegible]
pipe, wood, machine banded, ve pipe, hub & spigot, 3' CLASS A	ea	1,338	4.35	5,820.30	7,275.38
sulphate,100-lb drum CLASS A	lb	150,000	.42	63,000.00	78,750.00
tion unit, skid mtd,2500 CPD Brooks,Model M3E-12 CLASS A	ea	8	7,000.00	56,000.00	70,000.00
tion unit,skid mtd, 5000 CPD, Brooks Model M2E-25 CLASS A	ea	3	9,000.00	27,000.00	33,750.00
ll, machine, rotary type, has engine driven, models 514 CLASS A	ea	2	11,225.00	22,450.00	28,062.50
TOTAL				$ 300,860.34	$ 376,075.44

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CORPS OF ENGINEER
SURPLUS STOCKS
PENINSULAR BASE SECTION

Item	Stock	Item and Condition	Unit	Quantity	Unit Price
1.	17-	Power, Plant, searchlight, 60" (Class "..")	ea	72	3,100.00
2.	17-	Cable, control, searchlight, 60" (Class "..")	ea	104	350.00
3.	17-	Cable, power, searchlight, 60" (Class "..")	ea	43	312.50
4.	17-3520	Control Station Searchlight, 60" (Class "..")	ea	101	2,125.00
5.	17-8344.6	Searchlight, 60" Light and Mount Unspecified (Class "..")	ea	148	17,500.00
6.	28-5140.2-5	Form computation, F. command post & fire direction, computers record, 100 sheets to pad (Class "..")	pd	600	
7.	28-5140.3-5	Data sheet, 100 sht to pad (Class "..")	pd	250	
9.	51-8280.5-5	Sodium cyanide, tech, insectical use, crystal, 25 lb can (Cl "..")	lb	350	
10.	52-7263.5-5	Rosin, powdered, 11 tho. 1 lb bx (Class "..")	lb	1,350	
10.	78-7425.14-0	Scraper, road, tpwed type, 14 cu yd cable operated (Cl "..")	ea	3	7,000.00

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CORPS OF ENGINEER
SURPLUS STOCKS
PENINSULAR BASE SECTION

Item and Condition	Unit	Quantity	Unit Price	Total Cost	Landed Cost
, Plant, searchlight, 60" ss "..")	ea	72	3,100.00	223,200.00	279,000.00
, control, searchlight, 6." ss "..")	ea	104	350.00	36,400.00	45,500.00
, power, searchlight, 60" ss "..")	ea	43	312.50	13,437.50	16,796.88
rol Station Searchlight, 6." ss "..")	ea	101	2,125.00	214,625.00	268,281.25
hlight, 6." light and 2 Unspecified (Class "..")	ea	148	17,500.00	2,590,000.00	3,237,500.00
computation, Fa command post rs direction,computers record, sheets to pad (Class "..")	pd	600	.80	480.00	600.00
sheet, 10 sht to pad ss "..")	pd	250	.80	200.00	250.00
um cyanide,tech. insectical crystal,25 lo cen(Cl "..")	lb	350	.26	91.00	113.75
n, powdered,litho.1 lb bx ss "..")	lb	1,350	.63	850.50	1,063.13
per, road, tpwed type, u yd cable operated (Cl "..")	ea	3	7,000.00	21,000.00	26,250.00

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CORPS OF ENGINEER
SURPLUS STOCKS

PENINSULAR BASE SECTION

Item No.	Stock No.	Item and Condition	Unit	Quantity	Unit Price
11.	78-9102.5-0	Trailer, Search, tilting type 60" (Class "A")	ea	125	1,944.59
12.	78-9191.4-5	Transportation, Aux, Searchlight complete Jorss M1942 (Class "A")	ea	330	117.93

TOTAL

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CORPS OF ENGINEER
SURPLUS STOCKS

PENINSULAR BASE SECTION

3634

Item and condition	Unit	Quantity	Unit Price	Total Cost	Landed Cost
...er, Search, tilting type (Class "A")	ea	125	1,944.59	$ 243,073.75	$ 303,842.19
...portation, Aux, Searchlight ...te Jorss M1942 (Class "A")	ea	230	117.93	27,123.90	33,904.88
TOTAL				$3,370,481.65	$4,212,562.08

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M E D I C A L
SURPLUS STOCKS
31 March 1945

PENINSULAR BASE SECTION (North)

Item No.	Stock No.	Item and Condition	Unit	Quantity	Unit Price	Total
1.	10405	Acid, Tannic, Ointment, 10% w/Sulfadiazine (CL "A")	4 oz	100	.40	40.
2.	3993000	Wire, Silver, Preformed clips (Cl "A")	ea	200	.90	180
3.	9401008	Autoclave, Lab, Field, 110 V 60 Cy (CL "A")	ea	5	22.00	110
4.	9401028	Autoclave, Lab, Field, Loaded Gasoline (Cl "A")	ea	5	22.00	110
		TOTAL				$440

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M E D I C A L
SURPLUS STOCKS
31 March 1945

PENINSULAR BASE SECTION (North)

SBSC

m and Condition	Unit	Quantity	nit Price	Total Cost	Landed Cost
nic, Ointment, 10% inzine (CL "A")	4 oz	100	.40	40.00	50.00
lver, Preformed Clips	ea	500	.90	180.00	225.00
e, Lab, Field, 110 V L "A")	ea	5	22.00	110.00	137.50
e, Lab, Field, Leaded (Cl "A")	ea	5	22.00	110.00	137.50
TOTAL				$440.00	$550.00

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MEDICAL

SURPLUS STOCKS

PENINSULAR BASE SECTION (South)

66337

Item No.	Stock No.	Item and Condition	Unit	Quantity	Unit Price	To
1.	10403	Acid, Tannic, Ointment, USP (Cl A)	lb	500	.30	
2.	10405	Acid, Tannic, Ointment, 10% w/sulfadiazine (Cl "A")	4 oz	100	.40	
3.	11325	Cerium Oxalate, NF-VI (Cl "A")	lb	100	.12	
4.	1502700	Zinc Peroxide, Medicinal, 15 gm (Cl "A")	btl	9,000	.13	1
5.	3893000	Wire, Silver, Preformed clips (Cl "A")	ea	150	.90	
6.	71550	Bedspread (Cl "A")	ea	185	2.84	
7.	91026	Amyl Salicylate (Cl "A")	pt	1,800	.62	
8.	91140	Mercurial Ointment, Mild, $\frac{1}{2}$ oz (Cl "A")	tube	100,000	.07	
9.	92070	Gauze, Sublimated (Cl "A")	pkg	10,000	.08	
10.	9401008	Autoclave, Lab, Field, 110 V 60 CY (Cl "A")	ea	20	22.00	
11.	9401028	Autoclave, Lab, Field, Leaded Gasoline, (Cl "A")	ea	10	22.00	

TOTAL

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MEDICAL

SURPLUS STOCKS

PENINSULAR BASE SECTION (South)

nd Condition	Unit	Quantity	Unit Price	Total Cost*	Landed Cost
o, Ointment, USP (Cl A)	lb	500	.30	150.00	187.50
ic, Ointment, 10% zinc (Cl "A")	4 oz	100	.40	40.00	50.00
late, NF-VI (Cl "A")	lb	100	.12	12.00	15.00
ide, Medicinal, 15 gm	btl	9,000	.13	1,170.00	1,462.50
er, Preformed Clips	ea	150	.90	135.00	168.75
(Cl "A")	ea	183	2.84	519.72	649.65
ylate (Cl "A")	pt	1,800	.62	1,116.00	1,395.00
Ointment, Mild, ½ oz	tube	100,000	.07	7,000.00	8,750.00
liminated (Cl "A")	pkg	10,000	.08	800.00	1,000.00
, Lab, Field, 110 V "A")	ea	20	22.00	440.00	550.00
, Lab, Field, Leaded (Cl "A")	ea	10	22.00	220.00	275.00
TOTAL				$11,602.72	$14,503.40

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GRIMACE

SURPLUS STOCKS

PENINSULAR BASE SECTION

Item No.	Stock No.	Item and Condition	Unit	Quantity	Unit Price	Total Cost
1.	D-35406	Scabbard, bayonet M1910, Class A	ea	147	1.82	267.54

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ORDNANCE

SURPLUS STOCKS

PENINSULAR EAST SECTION

Condition	Unit	Quantity	Unit Price	Total Cost	Landed Cost
Set M1910, Class A	ea	147	1.82	267.54	334.43

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QUARTERMASTER CORPS

SURPLUS STOCKS

PENINSULAR BASE SECTION

Item No.	Stock No.	Item and Condition	Unit	Quantity	Unit Cost	Total Cost
1.	25-B-1125	Belt, money CLASS "A"	ea	38,000	.44	16,720.00
2.	25-K-4250	Kit, toilet, apron type, unfilled, CLASS "A"	ea	68,000	.67	45,560.00
		TOTAL				$62,280.00

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QUARTERMASTER CORPS

SURPLUS STOCKS

PENINSULAR BASE SECTION

and Condition	Unit	Quantity	Unit Cost	Total Cost	Landed Cost
ney CLASS "A"	ea	38,000	.44	16,720.00	20,900.00
illet, apron type, d, CLASS "A"	ea	68,000	.67	45,560.00	56,950.00
TOTAL				$62,280.00	$77,850.00

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QUARTERMASTER CORPS

SURPLUS STOCKS

PENINSULAR BASE SECTION

Item No.	Stock No.	Item and condition	Unit	Quantity	Unit Cost	To
1.	74-C-75	Canteen, collapsible, 2½ qt. Class A	ea	449	10.00	4,

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QUARTERMASTER CORPS

SURPLUS STOCKS

PENINSULAR BASE SECTION

Item and condition	Unit	Quantity	Unit Cost	Total Cost	Landed Cost
en, collapsible, 2½ qt. Class A	ea	449	10.00	4,490.00	5,612.50

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SIGNAL CORPS

SURPLUS STOCKS

PENINSULAR BASE SECTION

Item No.	Stock No.	Item and Condition	Unit	Quantity	Unit Price	
1.	28823	Headset HS-23, CLASS A	ea	1,250	$ 4.00*	$
2.	201617	Interphone Amplifier, BC-605, CLASS A	ea	450	150.00*	
		TOTAL				$7

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SIGNAL CORPS

SURPLUS STOCKS

PENINSULAR BASE SECTION

Item and Condition	Unit	Quantity	Unit Price	Total Cost	Landed Cost
RS-23, CLASS A	ea	1,250	$ 4.00*	$ 5,000.00	$ 6,250.00
Tone Amplifier, BC-605, CLASS A	ea	450	150.00*	67,500.00	84,375.00
TOTAL				$72,500.00	$90,625.00

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TRANSPORTATION CORPS

SURPLUS STOCKS

PENINSULAR BASE SECTION

Item No.	Stock No.	Item and Condition	Unit	Quantity	Unit Price
1.		Bucket, coal, dump type, CLASS "B"	ea	24	150.00
2.		Cradle, pipe, for reels, 6', Class "B"	ea	61	12.00
3.		Pallet, Aero, 4' x 5' without bottoms, Class B	ea	357	4.00
4.		Pallet, Aero, 4' x 6' with rope bottoms, Class B	ea	23	4.00
5.		Roller, wood, 5' x 6', Class B	ea	155	2.00
6.		Roller, wood, 4' x 8', Class B	ea	647	2.00
7.		Skid, barrel, steel, Class B	ea	42	20.00

TOTAL

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TRANSPORTATION CORPS

SURPLUS STOCKS

PENINSULAR BASE SECTION

end Condition	Unit	Quantity	Unit Price	Total Cost	Landed Cost
l, dump type, CLASS "B"	ea	24	150.00	3,600.00	4,500.00
e, for reels, 6', Class "B"	ea	81	12.00	972.00	1,215.00
o, 4' x 5' without bat- B	ea	357	4.00	1,428.00	1,785.00
o, 4' x 6' with rope bat- B	ea	23	4.00	92.00	115.00
od, 5' x 6', Class B	ea	155	2.00	310.00	387.50
od, 4' x 6', Class B	ea	647	2.00	1,294.00	1,617.50
l, steel, Class B	ea	42	20.00	840.00	1,050.00
TOTAL				$8,536.00	$10,670.00

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TRANSPORTATION CORPS

SURPLUS STOCKS

PENINSULAR BASE SECTION
MILITARY RAILWAY SERVICE

Item No.	Stock No.	Item and Condition	Unit	Quantity	Unit Price	Total C
1.	58-S-1620T	Spring, driving, furnished complete w/clips for No.1 & No.2 drivers (Alco 762-S-16841) Class A	ea	10	$ 12.00	$ 120.0
2.	58-S-1605T	Spring, driving, furnished complete w/clips for No.3 & No.4 drivers (Alco 762-S-16850) Class A	ea	10	12.00	120.0
3.		Spring, coil, single, throttle lever latch, spring wire, 13 coils, 1/2" OD, 2 1/2" free height, (Alco 762-S-91732) Class A.	ea	30	.50	15.0
4.		Spring clips, 762-S-92552 2-6-0, Class A	ea	24	.90	21.6
5.		Spring clips, 762-S-92550, Class A	ea	24	.90	21.6
6.		Superheater arrangements 4L 42381, D.W.G. 3L-13744, Units comp. w/unit clamps, washer, bands, & t supports (Spec.10-112665, dated May 29, 1942). Class A	ea	25	350.00	8,750.0
7.		Brass, strips or shims, 6 3/4" x 39 3/8", Class A	ea	800	.30	240.0
8.	58-S-780T	Saddle, driving spring, cast steel, U. S. Gov't Patt. Alco 170 (RLW 77-B360-Z), Class A	ea	12	2.00	24.0

Declassified E.O. 12356 Section 3.3/NND No. 785015

TRANSPORTATION CORPS

SURPLUS STOCKS

PENINSULAR BASE SECTION
MILITARY RAILWAY SERVICE

and Condition	Unit	Quantity	Unit Price	Total Cost	Landed Cost
riving, furnished complete for No.1 & No.2 drivers (Alco 341) Class A	ea	10	$ 12.00	$ 120.00	$ 150.00
riving, furnished complete for No.3 & No.4 drivers (Alco 350) Class A	ea	10	12.00	120.00	150.00
oil, single, throttle lever ring wire, 13 coils, 1/2" 3" free height, (Alco 722) Class A	ea	36	.50	18.00	22.50
ips, 702-3-92552 ss A	ea	24	.90	21.60	27.00
ips, 702-3-92550, Class A	ea	24	.90	21.60	27.00
r arrangements 4L G.3L-13744, Units comp. amps, washer, bands, & ! (Spec.lo-112665, dated 942). Class A	ea	25	350.00	8,750.00	10,937.50
rips or shims, 39 3/8", Class A	ea	800	.30	240.00	300.00
riving spring, cast S. G-v't Patt. Alco 77-B960-2), Class A	ea	12	2.00	24.00	30.00

Declassified E.O. 12356 Section 3.3/NND No. 785015

TRANSPORTATION CORPS
SURPLUS STOCKS

PENINSULAR BASE SECTION
MILITARY RAILWAY SERVICE

Item No.	Stock No.	Item and Condition	Unit	Quantity	Unit Price	Total Cost
9.	58-S-2190T	Stack, Complete w/extension bottom flare & base (Ext. Alco 753-S-14861) Class A	set	4	$ 30.00	$ 120.00
10.	58-C-384	#26378 clamps, hose, train line, 1 1/4" Class A		800	.12	96.00
11.		Drain, vacuum pipe brake gauge (2-8-0), Class A	ea	25	1.50	37.50
12.		#49932 Spring, valve, diaphragm Class A	ea	24	.10	2.40
13.		#50527 Valve, emerg. P-2, Class A	ea	12	5.00	60.00
14.		#56743 Spring, piston, Class A	ea	24	.50	12.00
15.		#86620 Valve, Diaphragm, Class A	ea	24	1.00	24.00
16.		#86739 Couplings for 1 1/4", Class A	ea	150	.80	120.00
17.	58-L-1020T	Liner, fire door, coal, (NLW 45-D-61 Pc. 3), Class A	ea	48	.75	36.00
18.		Bar, slice, DWC.932-S-2852, Class A	ea	2	2.00	4.00
19.		Chimney, 2 1/16" x 10 1/4", Class A	ea	96	.15	14.40
20.	39-K-100T	Kegs, Oak, water, 10-Gal., Class A	ea	24	2.00	48.00

Declassified E.O. 12356 Section 3.3/NND No. 785015

TRANSPORTATION CORPS
SURPLUS STOCKS

PENINSULAR BASE SECTION
MILITARY RAILWAY SERVICE

ition	Unit	Quantity	Unit Price	Total Cost	Landed Cost
/extension bottom .Alco 755-S-14861)	set	4	$ 30.00	$ 120.00	$ 150.00
e,train line,1 1/4"		800	.12	96.00	120.00
brake gauge	ea	25	1.50	37.50	46.88
lve, diaphragm	ea	24	.10	2.40	3.00
g.F-8, Class A	ea	12	5.00	60.00	75.00
ston, Class A	ea	24	.50	12.00	15.00
phragm, (Class A	ea	24	1.00	24.00	30.00
or 1 1/4",Class A	ea	150	.80	120.00	150.00
coul, (EIM lass A	ea	48	.75	36.00	45.00
32-S-2852,Class A	ea	2	2.00	4.00	5.00
x 10 1/4",Class A	ea	96	.15	14.40	18.00
10-Gal., Class A	ea	24	2.00	48.00	60.00

Declassified E.O. 12356 Section 3.3/NND No. 785015

Item No.	Stock No.	Item and Condition	Unit	Quantity	Unit Price	Total Cost
21.	56-L-41CT	Lens, 5 3/8# Dia.w/color changer for Signal Lamp (Handlan DWG.7152)Class A	ea	24	.20	4.80
22.		Rollers, front end, Class A	ea	36	.90	32.40
23.		Pin, Peter. #2, 2 1/2" long, Class A	ea	15.000	.005	75.00
24.		Rubber, crude, 3 M/M, 36" wide, Cl A	ea	728	3.00	2,184.00
25.		Mercury (Quicksilver), Class A	btl	263	5.00	1,315.00
26.		Mica, .006" x 36" x 36" Class A	shts	500	1.00	500.00
27.	70682	Drum, Class A	ea	10	4.50	45.00
28.	70684	Gasket between quadrant & body, Class A	ea	11	.10	1.10
29.	70681	Gasket between rotary valve seat	ea	13	.25	3.25
30.	69641	Gasket, pipe bracket	ea	29	.50	14.50
31.	70694	Gasket, piston cover, Class A	ea	29	.40	11.60
32.	75730	Piston, Class A	ea	16	10.00	160.00
33.	PC-1290S	Ring, Piston, Class A	ea	86	.50	43.00
34.	6099	Seal, piston, Class A	ea	36	.50	18.00
35.	EV-685	Spring, rotary valve, Class A	ea	3	1.00	3.00

Declassified E.O. 12356 Section 3.3/NND No. 785015

nd Condition	Unit	Quantity	Unit Price	Total Cost	Landed Cost
8# Dia.w/color changer for (Handlan DWG.7152)Class A	ea	24	.20	4.80	6.00
nt end, Class A	ea	36	.90	32.40	40.50
#2, 2 1/2" long, Class A	ea	15,000	.005	75.00	93.75
ude, 3 M/M, 36" wide, Cl A	ea	728	3.00	2,184.00	2,730.00
uicksilver), Class A	btl	263	5.00	1,315.00	1,643.75
" x 36" x 36" Class A	shts	500	1.00	500.00	625.00
s A	ea	10	4.50	45.00	56.25
n quadrant & body,	ea	11	.10	1.10	1.38
een rotary valve seat	ea	13	.25	3.25	4.06
e bracket	ea	29	.50	14.50	18.13
tal cover, Class A	ea	29	.40	11.60	14.50
s A	ea	16	10.00	160.00	200.00
n, Class A	ea	86	.50	43.00	53.75
n, Class A	ea	36	.50	18.00	22.50
ary valve, Class A	ea	9	1.00	9.00	11.25

Declassified E.O. 12356 Section 3.3/NND No. 785015

Item No.	Stock No.	Item and Condition	Unit	Quantity	Unit Price	To Co
36.	70680	Seat, rotary valve, Class A	ea	10	.50	5.
37.	QT-271	Spring, valve, Class A	ea	13	1.00	13.
38.	R-54639	Valve, automatic vacuum brake, Cl A	ea	2	50.00	100.
39.	70668	Valve, check, Class A	ea	17	40.00	680.
40.	70679	Valve, Class A, Rotary	ea	11	5.00	55.
41.	75650	Valve, vacuum relief, Class A	ea	4	10.00	40.
42.	70686	Washer, key, Class A	ea	15	.50	7.
43.	7117	Washer, shaft, Class A	ea	11	8.00	88.
44.	97-HC	Hose, 2" Vacuum, w/coupling, Class A	ea	3	1.80	5.
45.	17-HC	Hose, vacuum 2", Class A	ea	13	2.00	26.
46.		Seal, crankshaft oil, Class A	ea	86	1.00	86.
47.		Plate, table, smoke-box, Alco DWG. 742-S-902520 (In Lieu, Sets), Cl A	set	6	3.00	18.
		TOTAL				$15,430.

Declassified E.O. 12356 Section 3.3/NND No. 785015

Condition	Unit	Quantity	Unit Price	Total Cost	Landed Cost
lve, Class A	ea	10	.50	5.00	6.25
Class A	ea	13	1.00	13.00	16.25
ic vacuum brake, Cl A	ea	2	50.00	100.00	125.00
Class A	ea	17	40.00	680.00	850.00
, Rotary	ea	11	5.00	55.00	68.75
relief, Class A	ea	4	10.00	40.00	50.00
lass A	ea	15	.50	7.50	9.38
, Class A	ea	11	8.00	88.00	110.00
um, w/coupling, Class A	ea	3	1.80	5.40	6.75
2", Class A	ea	13	2.00	26.00	32.50
art oil, Class A	ea	85	1.00	86.00	107.50
Brake-box, Also DWG. (In loco, sets), Cl A	set	6	3.00	18.00	22.50
TOTAL				$15,430.05	$19,287.58

SUMMARY
NORTHERN BASE SECTION

Quartermaster surplus stocks	$ 2,200.00

Declassified E.O. 12356 Section 3.3/NND No. 785015

Declassified E.O. 12356 Section 3.3/NND No. 785015

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Declassified E.O. 12356 Section 3.3/NND No. 785015

QUARTERMASTER CORPS

SURPLUS STOCKS

NORTHERN BASE SECTION

Item No.	Stock No.	Item and Condition	Unit	Quantity	Unit Price	Total Cost
1.	25-B-1125	Belt, money, CLASS "A"	ea	4,000	.44	$ 1,760.00

1289

Declassified E.O. 12356 Section 3.3/NND No. 785015

QUARTERMASTER CORPS

SURPLUS STOCKS

NORTHERN PACIFIC SECTION

and Condition	Unit	Quantity	Unit Price	Total Cost	Landed Cost
ey, CLASS "A"	ea	4,000	.44	$ 1,760.00	$ 2,200.00

Declassified E.O. 12356 Section 3.3/NND No. 785015

HEADQUARTERS ALLIED COMMISSION
APO 394
Communications Sub-Commission

KTWL/rm

45

T.14.C.40.CS

30th June 1945.

SUBJECT: Requisition AC-SIG-100-45.

TO : Requisition Branch, Supply and Resources Division AC.

Further to Memo No. T.14.C.3.CS of 26th May 1945 from this Sub-Commission, it is considered that the following items cannot now be considered necessary from Allied sources. to provide 20% rehabilitation of the +Italian relecommunication services, as it is possible to have them made by factories in N. Italy.

Items 19,20,21,32,23,24,35.

F.H.SCUDDER
Lt.Colonel. Sig.C.
Director.

RB-445A/165 1st Ind. VC:cl

Hq, ALCOM, Economic Section, Requisition Branch. 2 July 1945

TO: AFHQ, G-5 Section, Economic and Supply Division.

1. Request your comments regarding foregoing be furnished this office.

H. C. QUARTIER
Lt. Col., Q. M. C.
Economic Section

cc: Communications S/C

3620

Declassified E.O. 12356 Section 3.3/NND No. 785015

2d Ind.

S-521
ALLIED FORCE HEADQUARTERS, G-5 Section, APO 512. 3 July 1945

TO: Headquarters, Allied Commission, APO 394 (Attn: Economic Section)

Information in basic communication has been passed to CCAC as LAC 1233, copy to you.

For the Assistant Chief of Staff, G-5:

R. C. CARSON
Major, G.S.C.
Economics & Supply Division

NB-445A/165 3rd Ind. VC:cl

Hq. ALCOM, Economic Section, Requisition Branch, 5 July 1945

TO: Communications Subcommission, ALCOM.

Forwarded for your information.

M. C. QUARTIER
Lt. Col., Q. M. C.
Economic Section

3619

Declassified E.O. 12356 Section 3.3/NND No. 785015

40

HEAD QUARTERS ALLIED COMMISSION
APO 394
Communications Sub-Commission

HTWS/rm

T.14.C.40.CS

30th June 1945.

SUBJECT: Requisition AC-SIG-100-45.

TO : Requisition Branch, Supply and Resources Division AC.

Further to Memo No.T.14.C.3.CS of 26th May 1945 from this Sub-Commission, it is considered that the following items cannot now be considered necessary from Allied sources, to provide 20% rehabilitation of the Italian telecommunication services, as it is possible to have them made by factories in N.Italy.

Items 19,20,21,22,23,24,35.

H.H.SCUDDER,
Lt.Colonel.Sig.C.
Director.

1860

Declassified E.O. 12356 Section 3.3/NND No. 785015

HEADQUARTERS ALLIED COMMISSION
APO 394
Communications Sub-Commission

HTWM/ec 139

T.14C.39.CS

26th June 45

SUBJECT: Transfer to Italian Government of Allied Military Telecomms Network.

TO : A.F.H.Q.-G-5 (Economics & Supply)

Ref: your G-19 of 20 June.

1. The acquisition of part of the network shown in your diagram is considered to be within Category "A" for reasons given below.

2. Sections Naples - Rome - Florence - Bologna

Military demands on the underground cable from Naples to Bologna have been much greater than was anticipated. The civilian service at the moment is hopelessly inadequate on that route, and is not sufficient for the prevention of disease and unrest.

3. Section Bologna-Forli-Rimini-Ancona-Pescara-Termoli-Foggia-Naples.

The Allies have all along made very heavy demands on the East Coast routes, and the number of circuits made available to civilians has been negligible. With the liberation of N.Italy increased numbers of circuits are required, but wire is not available in large quantities, nor is its use advisable where circuits are likely to be released by the Allies, as the burden of supplying new wire then falls on ~~them~~ the latter unnecessarily.

4. Section Rome - Terni - Foligno - Ancona.

There is only one direct telephone circuit from Rome to the East Coast namely Rome-Ancona, and it is not possible to reach there by any other routes except for the coast south of Bari. This provision is futile for the traffic required.

3617

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Declassified E.O. 12356 Section 3.3/NND No. 785015

5. Wires under Category "A".

The wires falling under Category "A" are accordingly estimated to be as follows:

(a) Naples-Florence : 16 - 200 lb wires

(b) Florence-Bologna : 16 - 104 cw "

(c) Bologna-Forli-Rimini-Ancona-Pescara-Termoli-Foggia-Naples : All 200 lb wires.

(d) Rome-Terni-Foligno-Ancona : 8 - 200 lb wires.

6. Wires under Category "B".

The remainder shown on the diagram.

It is considered that the transfer of the complete network would result in a reduction in the demands from:

200 tons - bronze wire, 3 mms, dia.
400 " - " " 2 mms, dia.

to the following:

Nil - bronze wire 3 mms, dia.
200 tons " " 2 " "

There would thus be a reduction of 400 tons in all. Allowance has been made for a certain amount of breakages etc. in recovery, as a considerable amount of the wire, would have to be recovered and reused.

H.H.SCUDDER
Lt.Col. Sigs, C.
Director.

3616

1862

Declassified E.O. 12356 Section 3.3/NND No. 785015

ACC 10000/147/456 (2 of 2) T/14-C/C5 PROGRAM OF ESSENTIAL ITALIAN I

MAR. - DEC. 1945

Declassified E.O. 12356 Section 3.3/NND No. 785015

AM OF ESSENTIAL ITALIAN IMPORT 1945 Part I 2/2

MAR. - DEC. 1945

Declassified E.O. 12356 Section 3.3/NND No. 785015

CONFIDENTIAL

Communications S/C

3552
38 999

ALLIED FORCE HEADQUARTERS
G-5 Section
APO 512

Ref. S-19

20 June 1945

SUBJECT: Transfer to Italian Government of Allied Military Telecommunication Network

TO : Headquarters, Allied Commission, APO 394
(Attn: Communications Sub-Commission)

1. As you are already aware the Allied Military authorities are anxious to hand over to the Italian Government the telecommunication network rehabilitated to meet Allied military needs.

2. The AC has been receiving details, including costs, of the various projects involved as the information has been available. In addition, the attached diagram shows the principle overhead routes involved. No attachment Rec'd in H/C 21/6/45 Sig Sqn HQ Corps

3. Information is urgently requested as to (1) whether the AC regard the acquisition of this network in whole or in part as within "catagory A", if so, please state justification; (2) how the transfer of this network would effect Catagory B Requisition MGS-316-SIG, which is included in the program of essential imports.

4. If the AC is not prepared to recommend the transfer of this network to the Italian Government as a "catagory A" requirement, permission of War Office and War Department will be requested by the appropriate Services of this headquarters to dispose of the network to the Italian Government as surplus property.

Draft dgm telephoned to Foley Herbert 21/6

Dgm rec'd 21st June

For the Assistant Chief of Staff, G-5:

D.E. Lathrope

D. E. LATHROPE,
Captain, C.A.C.,
Economics & Supply.

Director
D/Director
Chief Telecoms 21 JUN 1945
Chief Postal
H Q Corps O. A.
Asst Chief Postal
Censorship
Chief Clerk.

3615

CROSS REFS.

FILE T. 86 H/C

B/Fwd.

Date 22 JUN 1945

CONFIDENTIAL

Declassified E.O. 12356 Section 3.3/NND No. 785015

CONFIDENTIAL

Communications S/L 9/5

3776

ALLIED FORCE HEADQUARTERS
G-5 Section
APO 512

Ref. S-19 22 June 1945

SUBJECT: Transfer to the Italian Government of Allied Military Telecommunication Network.

TO : Headquarters, Allied Commission, APO 394
Attention:

Chief Commissioner	____
Economic Section	____
Supply and Resources Division	____
Requisition Unit	____
Food Sub-Commission	____
Transportation Sub-Commission	____
Public Health Sub-Commission	____
Industry Sub-Commission	____
Commerce Sub-Commission	____
Communication Sub-Commission	X

1. The attached communication identified below is referred to you for:

Information and return	____
Information and retention	X
Reply to this section	____
Reply direct to the originator with copy to this section	____
For necessary action and advice to this section	____

Director
D/Director
Chief Telecoms
Chief Postal
H.Q. Comm O.
Asst Chief Postal
Censorship
Chief Cash

2. References and remarks:

Refer G-5 letter S-19 of 20 June on above subject.

23 JUN 45 2100

T. 3E 14C

24/6/45.

For the Assistant Chief of Staff, G-5:

D.E. Lathrope
Capt. CAC for
J. E. BUTTERWORTH
Colonel, G.S.C.
Chief, Economics & Supply Division

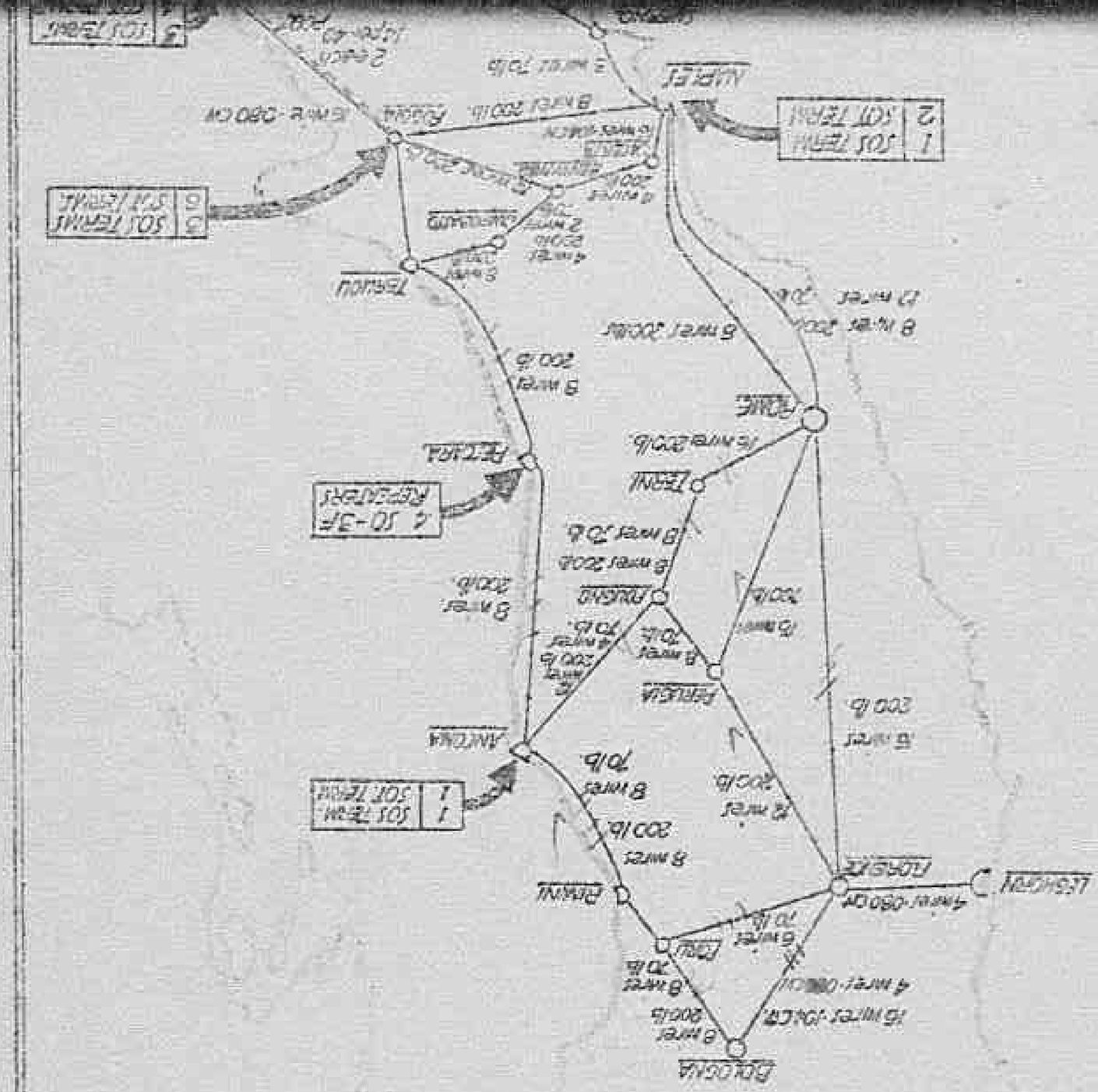
Attachment:
Diagram of the Main Open Wire Routes in Italy rehabilitated by Allied Military.

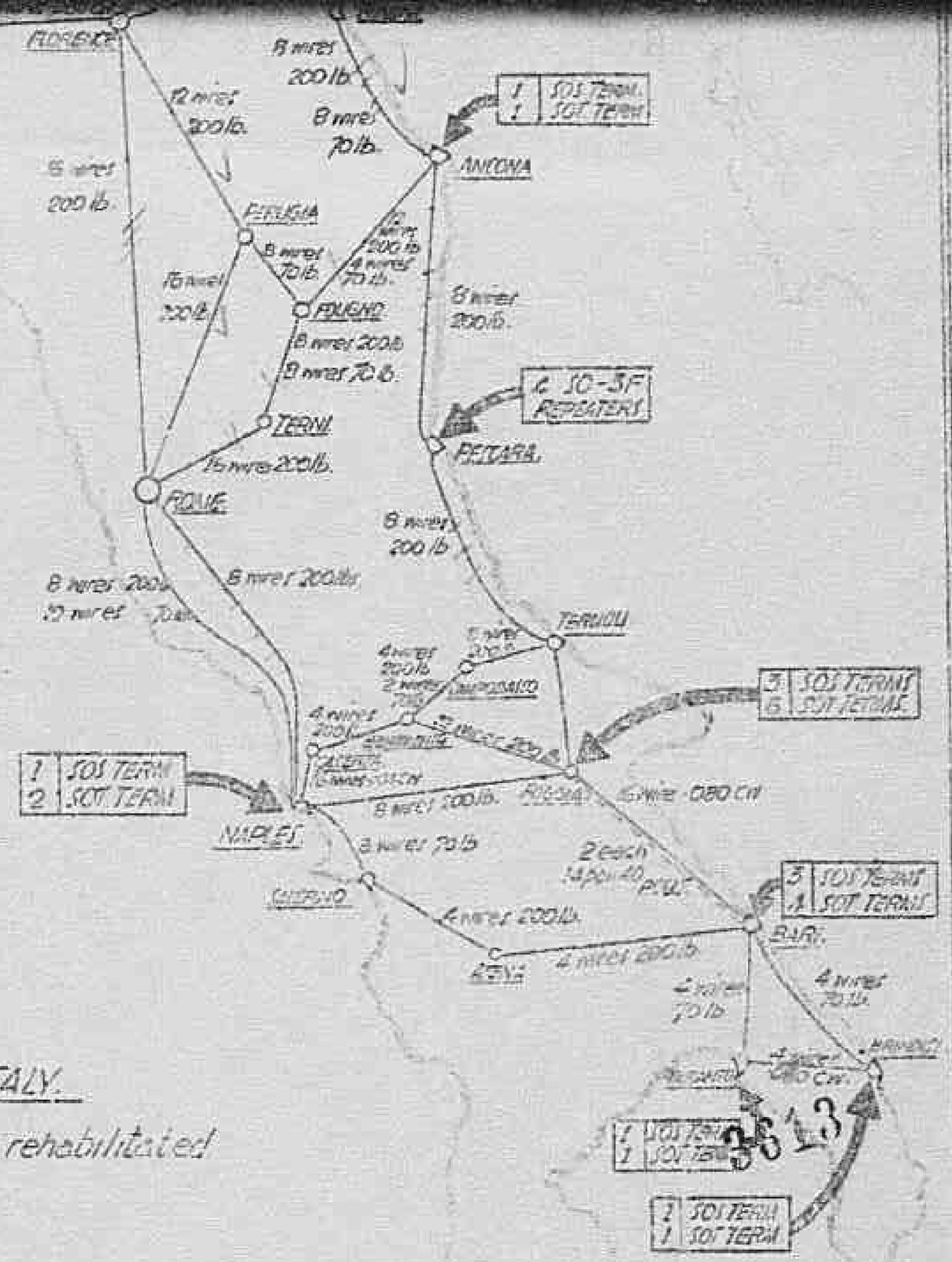
36-4

Distribution:

CONFIDENTIAL

Declassified E.O. 12356 Section 3.3/NND No. 785015





MAIN OPEN WIRE ROUTES – ITALY.

(All construction on civil routes rehabilitated for military use.)

Legend.

——— Overhead lines

– – – – – Military U.G. Cable.

4 Wires 200 lb. Number and type of conductors built.

1 | SOT TERM. Number and type of British Commercial type carrier installed.

Col. Scudder, A.C.

Declassified E.O. 12356 Section 3.3/NND No. 785015

From	To	No. of wires	Type	Distance (miles)
Bologna	Forli	8	70 lb	39.
Florence	"	6	70 lb.	60.
Forli	Ancona	8	70 lb.	88
Florence	Perugia	12	200 lb	93.
Perugia	Rome	16	200 lb	100
Perugia	Foligno	8	70 lb	20
Rome	Terni	8	200 lb	55
Terni	Foligno	8	70 lb	32
Foligno	Ancona	4	200 lb	76
		4	70 lb.	
Naples	Caserta	16	.104"	20
Caserta	Benevento	4	200 lb	35
Benevento	Campobasso	4	200 lb	40
		2	70 lb.	
Campobasso	Termoli	8	200 lb	38
Benevento	Foggia	12	200 lb.	66
Naples	Salerno	4	200 lb	35
Salerno	Atena	4	200 "	47

70 lb	200 lb.	.080	.104
312	1116	168	220
360	1600		
704	440		
160	304		
256	140		
280	160		
140	304		
208	792		
292	140		
2712	188		
	360		
	5544		

85 tons

2240) 189840 (85
17920
10640

5544
200
2240) 1108800 (495
8960
21280
20160
11200

500

85 tons 70 lb 54
500 " 200 lb. 320

Assume 1/3 lost in receivers
200 tons 3 wires
400 2 "
600

Declassified E.O. 12356 Section 3.3/NND No. 785015

Naples	Caserta	16	.104"	20
Caserta	Benevento	4	200 lbs	35
Benevento	Campobasso	4	200 lbs	40
		2	70 lbs.	
Campobasso	Termoli	8	200 lbs	38
Benevento	Foggia	12	200 lbs	66
Naples	Salerno	4	200 lbs	35
Salerno	Atena	4	200 "	47
Atena	Bari	4	200 "	90
Bari	Taranto	4	70 "	52.
"	Brindisi	4	70 "	73
Taranto	Brindisi	4	.080	42.

5544
200
2240) 1108800 (495
8960
21780
20160
11200

500

85 tons 700 54
500 " 2000 320
Assume 1/3 lost in receivers
200 tons 3 mm
2 mm
400
600
tons 374 58.2
226
Say 200 tons of 2 mm
Regd.

. Calculations re memo ref S-19 of 20 June. All category "A" cats omitted as assumed they would have been cable cats & would not be included in the MGS 316 demands.

Declassified E.O. 12356 Section 3.3/NND No. 785015

Bol. Flor.	4 -	080
" - Forlì	8 -	704
Flo. Leg.	4 -	080
Flo. - Forlì	6 -	706
" Perugia	12 -	200
Roma "	16 -	200
Perugia - Flor.	8 -	70
Terni - Flor.	8 -	70
Ancona - Fol.	4 -	200
	4 -	70
Termoli Campob.	8 -	200
Camp. - Benev.	4 -	200
	2 -	70
Benev. - Cas.	4 -	200
Cas. - Naples	16 -	104

Declassified E.O. 12356 Section 3.3/NND No. 785015

Declassified E.O. 12356 Section 3.3/NND No. 785015

(37)

ECONOMIC SECTION

Date 13-6

Internal

Fr.		To
	Vice President	
	Brig. Anderson	
	Col. Walton	
	Lt. Col. Martino	
	Lt. Col. Murtagh	
	Lt. Col. Quartier	
	Maj. Smith	
	Maj. Tooby	
	C. A. Cerrito	
	Capt. Atkins	
	Capt. Williams	
	Capt. Highland	
	Lt. Morgan	
	Lt. Durber	
	Mr. Stauffer	
	Chief Clerk	
	Lt. Arensberg	

External

Fr.		To
	ECONOMIC SECTION	
	AGRICULTURE SUB-COMMISSION	
	COMMERCE " "	
	FINANCE " "	
	FOOD " "	
	INDUSTRY " "	
	LABOR " "	
	P. W. & U. " "	
	TRANSPORTATION "	
	CHIEF COMMISSIONER	
	PRICE SECTION	
✓	REQUISITION BRANCH	
	EXECUTIVE COMMISSIONER	
	Communications S/C	✓
	CIVIL AFFAIRS SECTION	
	ESTABLISHMENT SECTION	

For Appropriate Action
Remarks/Recommendation
Dispatch
Information
Circulation & Return

Noting & Retention ✓
Signature
Investigation & Report
File Copy
Noting & Return

Remarks:

RESTRICTED

FOC air 66

NOTE:
1. Notations to be made on correspondence - Not on Buck Slip.
2. When correspondence is ready for file - Please write word "FILE" and initials on correspondence - NOT on Buck Slip.

Director	
D/Director	
Chief Telecoms	
Chief Postal	
H Q Comm O.	
Asst Chief Postal	
Censorship	
Chief Clerk	

CROSS REFS 3611
FILE T.14.C
Date 23 OCT 1945

RESTRICTED

RESTRICTED

HEADQUARTERS ALLIED COMMISSION
APO 394
Economic Section
Requisition Branch

MOC AIRGRAM 66, 22 June 1945

FROM: ALCOM CITE ACREQ

TO: COAC FOR CLAC

SUBJECT: Details of certain Items requested on Moc Airgram 57 - Transitional Program of Essential Italian Imports 1945, Section 1 - September 1945.

1. Reference is made to COM 118 and Appendix "A" to MOC Airgram 57.

2. Following is further details to items on Appendix "A", MOC Airgram 57 as requested in your COM 118:

GROUP	ITEM NO.	DESCRIPTION IN TRANSITIONAL PROGRAM		EXPLANATION
O	4	Oil Seeds	3,300 tons	The following breakdown is desired: Ground Nuts 1,400 tons Soya Beans 1,400 tons Linseed 700 tons The ground nuts and soya beans are required for the manufacture of edible oils. Linseed is required for the production of industrial oils.
L	1	Homogeneous iron in bars	5,000 tons	Round bars of homogeneous iron-diameter 5 mm., suitable for cold drawing, in commercial lengths.
L	2	Black iron plate from 28 to 30 mm.	1,000 tons	Hot-rolled plates; commercial dimensions (1 meter x 2 meters approx.) thickness 0.28 to 0.30 mm. (Note correction) Required for mechanical work and light fabrication.
L	4	Homogeneous iron in strips; commercial lengths; width 40 to 50 mm; thickness 0.4 to 3.0 mm.	5,000 tons	The following specifications and new dimensions are substituted: Homogeneous iron in strips, cold-rolled, width 40 to 50 mm (or nearest commercial widths). Length immaterial. Thickness 0.4 mm. 150 tons " 0.5 mm. 150 " " 1.0 mm. 250 "

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GROUP	ITEM NO.	DESCRIPTION IN TRANSITIONAL PROGRAM		EXPLANATION
O	4	Oil Seeds	3,500 tons	The following breakdown is desired: Ground Nuts 1,400 tons Soya Beans 1,400 tons Linseed 700 tons The ground nuts and soya beans are required for the manufacture of edible oils. Linseed is required for the production of industrial oils.
L	1	Homogeneous iron in bars	3,000 tons	Round bars of homogeneous iron-diameter 3 mm., suitable for cold drawing, in commercial lengths.
L	2	Black iron plate from 28 to 30 mm.	1,000 tons	Hot-rolled plates; commercial dimensions (1 meter x 2 meters approx.) thickness 0.28 to 0.30 mm. (Note correction) Required for mechanical work and light fabrication.
L	4	Homogeneous iron in strips; commercial lengths; width 40 to 50 mm; thickness 0.4 to 3.0 mm.	3,000 tons	The following specification and new dimensions are substituted: Homogeneous iron in strips, cold-rolled width 40 to 50 mm (or nearest commercial widths). Length immaterial. Thickness 0.4 mm. 150 tons " 0.5 mm. 150 " " 1.0 mm. 250 " " 1.5 mm. 250 " " 2.0 mm. 200 " per 1,000 tons This material will be used for cold-stamping small mechanical parts.
L	8 & 9	Magnetic sheets 2.3 W/Kg	1,150 tons	Commercial widths and lengths; thickness 0.5 mm.; for generators.
		Magnetic sheets 1.1 to 1.3 W/Kg	600 tons	Commercial widths and lengths; thickness 0.35 mm.; for transformers
M	1	Fire logs	35,000 tons	Should read Fir logs specification: Fir (or spruce) logs in lengths not less than 4 meters; diameter 20 to 50 cm. If not available in this condition, rough-squared or sawn sizes is acceptable; cross sections equivalent to above diameters, 60% of total should be 30-50 cm diam.; remainder 20-30 cm.

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RESTRICTED

GROUP	ITEM NO.	DESCRIPTION IN TRANSITIONAL PROGRAM		EXPLANATION
N	1 & 2	Raw hides for sole leather, dried; sources Argentina, Uruguay, Brazil; average weight per dry skin from 9.5 to 10.5 Kg.	2,700 tons	Reference in Col. 7 of App. A to MOS Airgram 57 should read Item 4 not Item 1. No weight for raw hides is quoted in AC-QM-110-45. Weights quoted in Italian version of the Program (20 to 25 Kg.) are wrong. Weight 9.5 to 10.5 Kg is confirmed as correct.
		Raw hides for uppers; average weight per skin 4.5 to 5.5	850 tons	See above: weight 4.5 to 5.5 Kg is confirmed

3. Columns 6 and 7 of Appendix "A" to MOS Airgram 57 make reference to original requisition and item number respectively. As a matter of information, for those items shown which were not previously requisitioned nor given requisition numbers, this office has assigned the following requisition numbers (For cross-reference refer to Appendix "A", MOS Airgram 57):

CLASS I	249	A	Fuels, solid and liquid, and derivatives
"	249	B	Mineral oils and derivatives
"	249	C	Animal and Vegetable Oils and Oil-seeds
"	249	D	Mineral Products
"	249	E	Chemical & pharmaceutical Products
"	249	F	Rubber and materials for manufacturing rubber products
"	249	G	Basic materials for textiles and paper
"	249	H	Insulating materials, varnishes and solvents
"	249	I	Non-ferrous metals
"	249	L	Ferrous metals and ferrous alloys
"	249	M	Timber and wood-finished wood products
"	249	N	Supplies for the Leather Industry
"	249	O	Foodstuffs

Note: Individual items within the above are numbered in the order of their appearance within the corresponding sections of Appendix "A".

4. The purpose of the items listed is as stated in MOS Airgram 57 (Revised) and related papers. Specifications will be furnished on request. Individual [illegible] where minimum general specifications are not understood.

Distribution

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5. Columns 6 and 7 of Appendix "A" to JCC Airgram 57 make reference to original requisition and item number respectively. As a matter of information, for those items shown which were not previously requisitioned nor given requisition numbers, this office has assigned the following requisition numbers (For cross-reference refer to Appendix "A", JCC Airgram 57):

CLC	I	249	A	Fuels, solid and liquid, and derivatives
"		249	B	Mineral oils and derivatives
"		249	C	Animal and Vegetable Oils and Oil-seeds
"		249	D	Mineral Products
"		249	E	Chemical & pharmaceutical Products
"		249	F	Rubber and materials for manufacturing rubber products
"		249	G	Basic materials for textiles and paper
"		249	H	Insulating materials, varnishes and solvents
"		249	I	Non-ferrous metals
"		249	L	Ferrous metals and ferrous alloys
"		249	M	Timber and semi-finished wood products
"		249	N	Supplies for the Leather Industry
"		249	O	Foodstuff

Note: Individual items within the above are numbered in the order of their appearance within the corresponding sections of Appendix "A".

4. The purpose of the items listed is as stated in JCC Airgram 57 (Revised) and related papers. Specifications will be furnished on request for individual items where minimum general specifications are not understood.

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36

ECONOMIC SECTION

Date 13-6-45

Internal

Fr.		To
	Vice President	
	Brig. Anderson	
	Col. Walton	
	Lt. Col. Martino	
	Lt. Col. Murtagh	
	Lt. Col. Quartier	
	Maj. Smith	
	Maj. Tooby	
	O. A. Cerrito	
	Capt. Atkins	
	Capt. Williams	
	Capt. Highland	
	Lt. Morgan	
	Lt. Barber	
	Mr. Stauffer	
	Chief Clerk	
	Lt. Arensberg	

External

Fr.		To
	ECONOMIC SECTION	
	AGRICULTURE SUB-COMMISSION	
	COMMERCE " "	
	FINANCE " "	
	FOOD " "	
	INDUSTRY " "	
	LABOR " "	
	P W & U. " "	
	TRANSPORTATION "	
	CHIEF COMMISSIONER	
	PRICE SECTION	
✓	REQUISITION BRANCH	
	EXECUTIVE COMMISSIONER	
	Communications	✓
	CIVIL AFFAIRS SECTION	
	ESTABLISHMENT SECTION	

For Appropriate Action	Noting & Retention ✓
Remarks/Recommendation	Signature
Dispatch	Investigation & Report
Information	File Copy
Circulation & Return	Noting & Return

Remarks:

FICC Cable Telegram 87 Rec.

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2238
Date 13 OCT 1945

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HEADQUARTERS ALLIED COMMISSION

MOC AIRGRAM 57: 30 MAY 1945 (Revised 10 June 1945)
(Revised) (See Note 1)

FROM : ALOCH SIGNED STONE

SUBJECT : Program of Essential Italian Imports - 1945
(Transitional Program - Section 1 - September 1945)

1. Attached is a copy of a letter received from the Italian Prime Minister in which he deals at length with the revision of the Program necessitated by the collapse of German resistance in Italy.

2. As an annexure to the Prime Minister's letter there is transmitted a list of materials and supplies, to be known as Transitional Program of Essential Italian Imports, Section 1, which has been developed partly from the Program of Essential Italian Imports 1945 and partly from information secured in North Italy through the Central Economic Committee of the CLNAI (Committee of National Liberation Northern Italy).

3. The vast change in the Italian economic situation since the preparation of the Program of Essential Italian Imports 1945 makes necessary the submission of this interrelated modification of said basic program. The list of Imports of Raw Materials and Supplies Essential for the Reactivation of Italian Industry (Appendix A) shows the items which are immediately necessary for September 1945 under the conditions which now obtain. Many of these items have not been requested before but some of these items are already contained in requisitions and programs which constitute the Program of Essential Italian Imports 1945, in which case the program or requisition number and item number in each case is shown in Columns (6) and (7).

4. With regard to those items originally included in the Program of Essential Italian Imports and repeated in this Transitional Program, Section 1, the repetition is for the purpose of establishing priority of need under current emergency conditions and is not intended to change the classification of the items between Category A and Category B as previously determined in connection with the processing of the original Program of Essential Italian Imports 1945.

5. The Italian Government has expressed their desire that new items appearing in the attached Transitional Program, Section 1, which were not previously included in the Program of Essential Italian Imports 1945, be placed in Category B to avoid the delay which would occur in processing to establish military responsibility. (Para. 13, Letter of the Prime Minister.)

6. The Italian Government requests that procurement of the supplies falling in Category B in paragraphs 4 and 5 above shall have absolute priority over all other supplies requested in the Category B portion of the original Program of Essential Italian Imports 1945.

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3. The vast change in the Italian economic situation since the preparation of the Program of Essential Italian Imports 1945 makes necessary the submission of this interrelated modification of said basic program. The list of Imports of Raw Materials and Supplies Essential for the Reactivation of Italian Industry (Appendix A) shows the items which are immediately necessary for September 1945 under the conditions which now obtain. Many of these items have not been requested before but some of these items are already contained in requisitions and programs which constitute the Program of Essential Italian Imports 1945, in which case the program or requisition number and item number in each case is shown in Columns (6) and (7).

4. With regard to these items originally included in the Program of Essential Italian Imports and repeated in this Transitional Program, Section 1, the repetition is for the purpose of establishing priority of need under current emergency conditions and is not intended to change the classification of the items between Category A and Category B as previously determined in connection with the processing of the original Program of Essential Italian Imports 1945.

5. The Italian Government has expressed their desire that new items appearing in the attached Transitional Program, Section 1, which were not previously included in the Program of Essential Italian Imports 1945, be placed in Category B to avoid the delay which would occur in processing to establish military responsibility. (Para. 15, Letter of the Prime Minister.)

6. The Italian Government requests that procurement of the supplies falling in Category B in paragraphs 4 and 5 above shall have absolute priority over all other supplies requested in the Category B portion of the original Program of Essential Italian Imports 1945.

7. This Transitional Program, Section 1, has been based upon the two limiting factors of transportation and coal. The quantities of coal shown in this Program are substantially the amounts already submitted by AFHQ to the Adjutant General under date of 19 May 1945 and are the same requirements.

8. The figures relating to labor and employment contained in the Overall Justification to Transitional Program of Essential Italian Imports, Section 1 (Appendix B) appear to have been hastily prepared by the Italian Government. They are not reconcilable with studies made by the Allied Commission and should be disregarded. The attached Appreciation of Italy's Coal Requirements (Appendix C) indicates that the quantities of coal contained in this Transitional Program, Section I, should provide employment for approximately 1,500,000 of the estimated 3,500,000 to 4,000,000 persons normally employed in coal-using industries in Italy.

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9. Other sections of the Transitional Program covering the period October-December 1945 will follow and finally a 1946 Program will be transmitted. These programs will be related to the Program of Essential Italian Imports 1945. The Complete revision of the original Program will be accomplished with the Completion of the 1946 Program.

NOTE: 1. This Revised MOC Airgram 27 should be substituted for first sheet of original MOC Airgram 27, and attachments to original MOC Airgram 27 should remain to complete this Revised MOC Airgram 27 with attachments listed thereon. Also Appendix C is added and transmitted with this revised copy.

Attachments: 15 Copies Letter 30 May 1945 from Prime Minister
15 Copies - Imports of Raw Materials and Supplies Essential for Reactivation of Italian Industry, Section I, September 1945, Appendix A.
15 Copies - Overall Justification to Transitional Program of Essential Italian Imports, Section I, Appendix B.
15 Copies - Appreciation of Italy's Coal Requirements and of the effects which a Lack of Coal would have on her Industries and on her Employment 17 May 1945, Appendix C.

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Rome, Italy 10 Copies

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activation of Italian Industry, Section I, September 1945, Appendix A.

15 Copies - Overall Justification to Transitional Program of Essential Italian Imports, Section I, Appendix B.

15 Copies - Appreciation of Italy's Coal Requirements and of the Effects which a Lack of Coal would have on her Industries and on her Employment 17 May 1945, Appendix C.

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APPENDIX "C"

HEADQUARTERS ALLIED COMMISSION
APO 394
ECONOMIC SECTION
PRODUCTION DIVISION

17 May 1945

APPRECIATION OF ITALY'S COAL REQUIREMENTS AND OF THE EFFECTS WHICH A LACK OF COAL WOULD HAVE ON HER INDUSTRIES AND ON EMPLOYMENT

1. The average monthly consumption of coal in Italy, pre-war, was about 1,250,000 tons. Of this quantity, approximately 200,000 tons were produced in Italy and Sardinia, all lignite and low grade bituminous coal. The local production of coal and lignite has now dropped to approximately 110,000 tons per month, of which 75,000 is lignite of limited use and low calorific value. Production of bituminous coal is limited to Sardinia and will continue to be so limited until Italy resumes control of the Istrian peninsula where she formerly obtained about 1,000,000 tons a year. If, therefore, Italy's industries are to be fully employed, she would require to import about 1,100,000 tons of coal per month. The 1-1/4 million tons of coal consumed in pre-war days was distributed to industry in the following manner:

		TONS
1.	Railways & int. shipping	160,000
2.	Gas works	125,000
3.	Metallurgy & mechanics	285,000
4.	Cement, lime, bricks	150,000
5.	Glass, ceramics	55,000
6.	Textile, clothing industry	65,000
7.	Chemical ind.	100,000
8.	Paper works	25,000
9.	Food industry	68,000
10.	Electric Power	40,000
11.	Domestic use	110,000
12.	Miscellaneous industries	60,000
13.	Ships Bunkers	30,000
	TOTAL	1,253,000

2. In 1936, Italy had a population of approximately 43,000,000 of which more than 16,000,000 were gainfully employed. A division of the employed was as follows:

	NUMBER OF WORKERS	PERCENT
Agriculture and fishing	8,842,785	48.2
Industry	5,379,152	29.3
Commerce	1,504,820	8.2
Public Administration	808,866	4.4
Transport and communications	702,201	3.8

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[illegible] to be so limited until Italy resumes control of the Istrian Peninsula where she formerly obtained about 1,000,000 tons a year. If, therefore, Italy's industries are to be fully employed, she would require to import about 1,100,000 tons of coal per month. The 1-1/4 million tons of coal consumed in pre-war days was distributed to industry in the following manner:

		TONS
1.	Railways & int. shipping	160,000
2.	Gas works	125,000
3.	Metallurgy & mechanics	285,000
4.	Cement, lime, bricks	150,000
5.	Glass, ceramics	95,000
6.	Textile, clothing industry	65,000
7.	Chemical ind.	100,000
8.	Paper works	25,000
9.	Food industry	68,000
10.	Electric Power	40,000
11.	Domestic use	110,000
12.	Miscellaneous industries	60,000
13.	Ships Bunkers	30,000
	TOTAL	1,253,000

2. In 1936, Italy had a population of approximately 43,000,000 of which more than 18,000,000 were gainfully employed. A division of the employed was as follows:

	NUMBER OF WORKERS	PERCENT
Agriculture and fishing	8,842,785	48.2
Industry	5,375,152	29.3
Commerce	1,504,820	8.2
Public Administration	808,866	4.4
Transport and communications	702,201	3.8
Domestic service	660,725	3.6
Arts, professions, religion	269,281	1.5
Banking and insurance	100,543	0.6
Private administration	81,059	0.4
TOTAL	18,345,432	100.0

3. Of the 5,375,000 employed in industry, about 3,700,000 were employed in industries dependent on coal and a great number of the remainder were employed in industries dependent either directly on the products of the coal-user industries or on the purchasing power of their employees. Commerce is dependent on the product of industry and the whole of the remainder of the gainfully occupied members of the community exist on the products of the two groups who produce real wealth, that is, the agricultural workers and the employees of industry.

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4. It is, I think, a fair assumption to make that employment in those industries dependent on coal will be approximately in direct proportion to the amount of coal they receive and that any diminution of the output of and employment in the coal-user industries will be reflected by unemployment in the remaining industries and in the various services.

5. The coal import program for July to December is as follows:

	TONS
July	206,650
Aug.	284,200
Sept.	307,500
Oct.	366,900
Nov.	366,900
Dec.	366,900

Apart from the month of July, no assurance has been given that these imports will in fact be met. When Lt. Col. Ellis, CA 16, War Office, visited here a short time ago, he informed me that the world shortage of coal and the needs of other theatres would probably mean that the coal available for Italy would be less than the figures quoted above. Assuming, however, that an average of 300,000 tons is supplied and providing the premise that employment in coal-using industries will vary directly with the amount of coal available to them is correct, it would appear that there will be about 75 percent unemployment in these industries. That will amount to about 2-3/4 million.

6. The repercussions which this unemployment will have on other industries and other forms of occupation are difficult to estimate, but of the remaining 14 to 15 million workers, I do not think it would be an overestimate to say that they may be affected to the extent of at least ten percent. For example, the building industry which employs nearly a million people will be practically brought to a stand-still without steel and cement, both of which require coal to produce them.

7. On the foregoing basis, the estimate of the unemployment in Italy amounts to a figure of between four and five million people. Attached to this appreciation is a diagram showing the manner in which industries are inter-connected. Its pattern illustrates clearly the intricacy of the weave between them and shows that if the threads connecting the coal-using industries to others are cut, the whole will probably become disorganized.

D. L. ANDERSON, Brigadier
Deputy Vice-President

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D. L. ANDERSON, Brigadier
Deputy Vice-President
Economic Section

Attachment

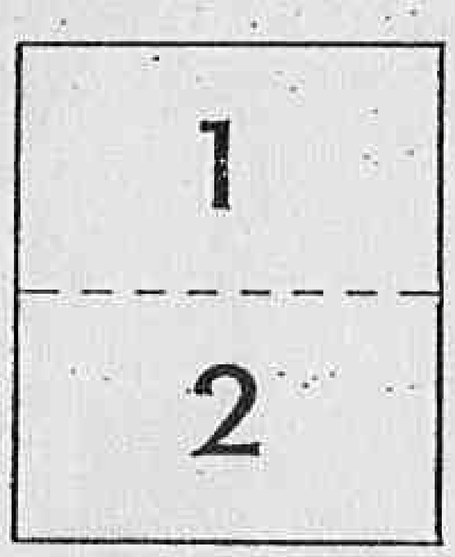
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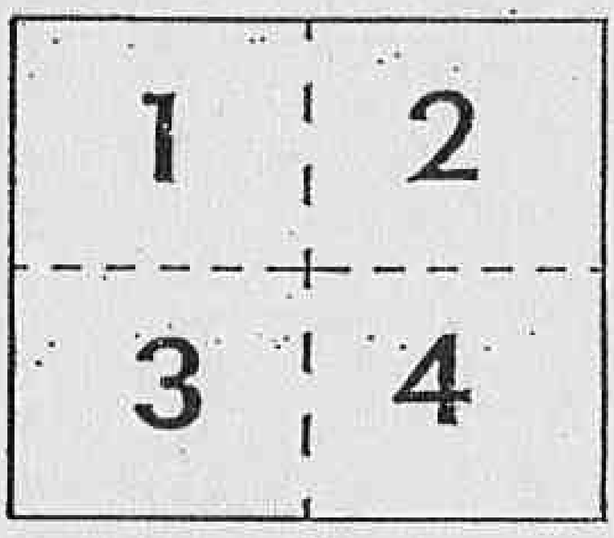
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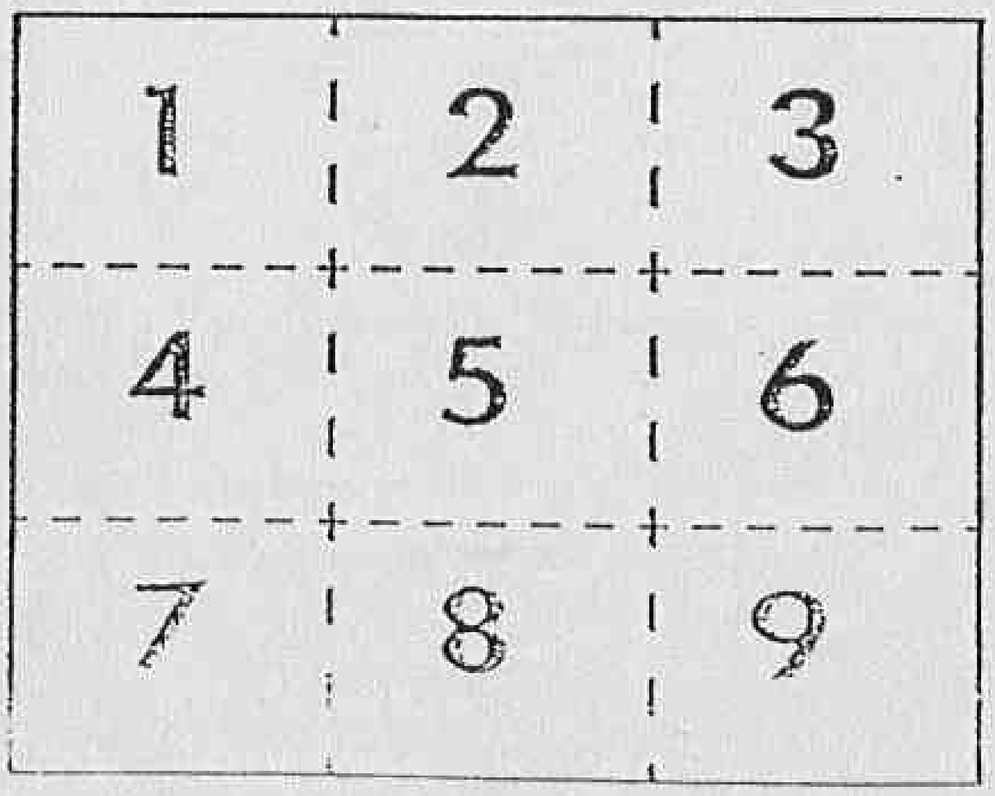
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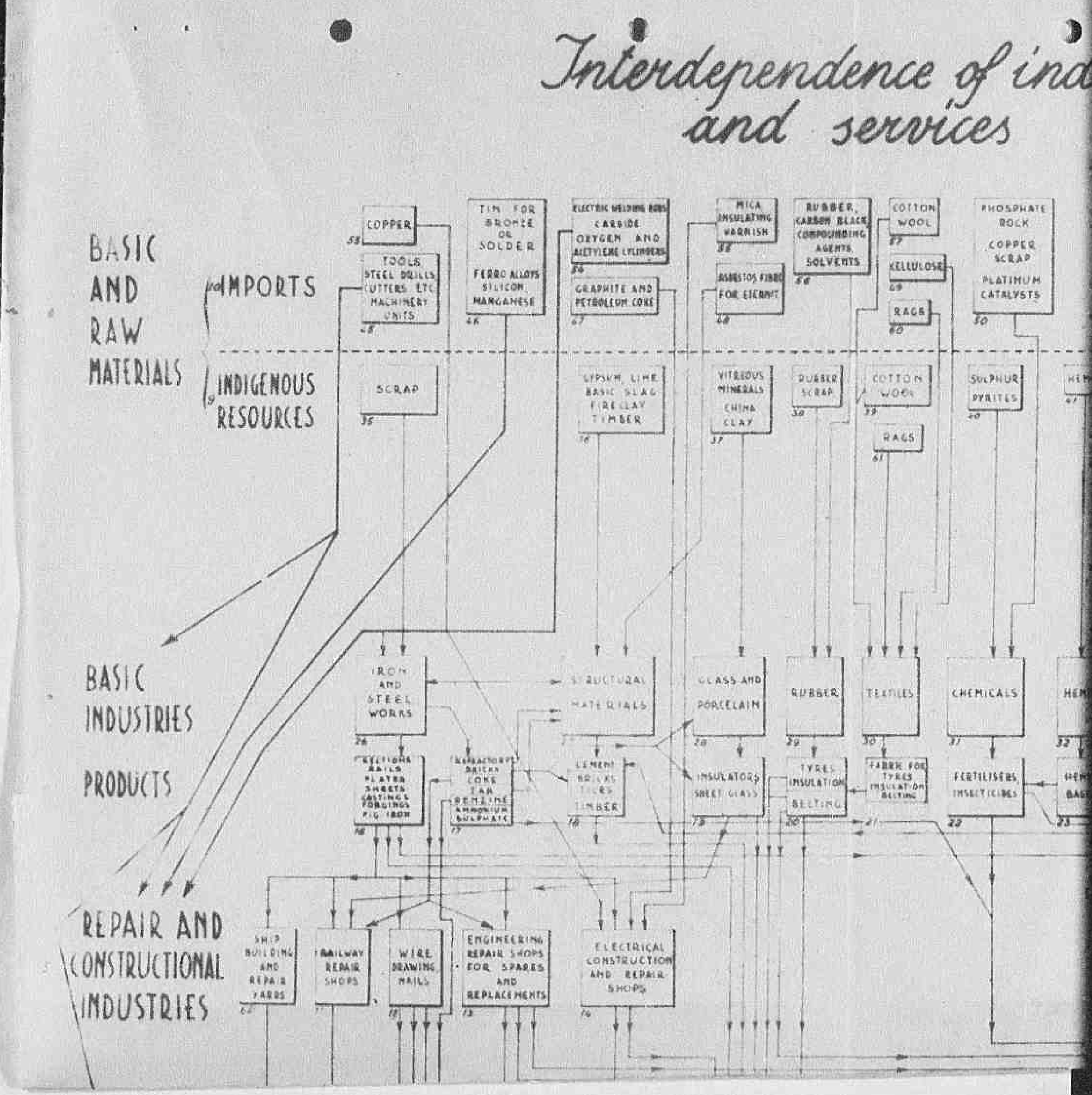






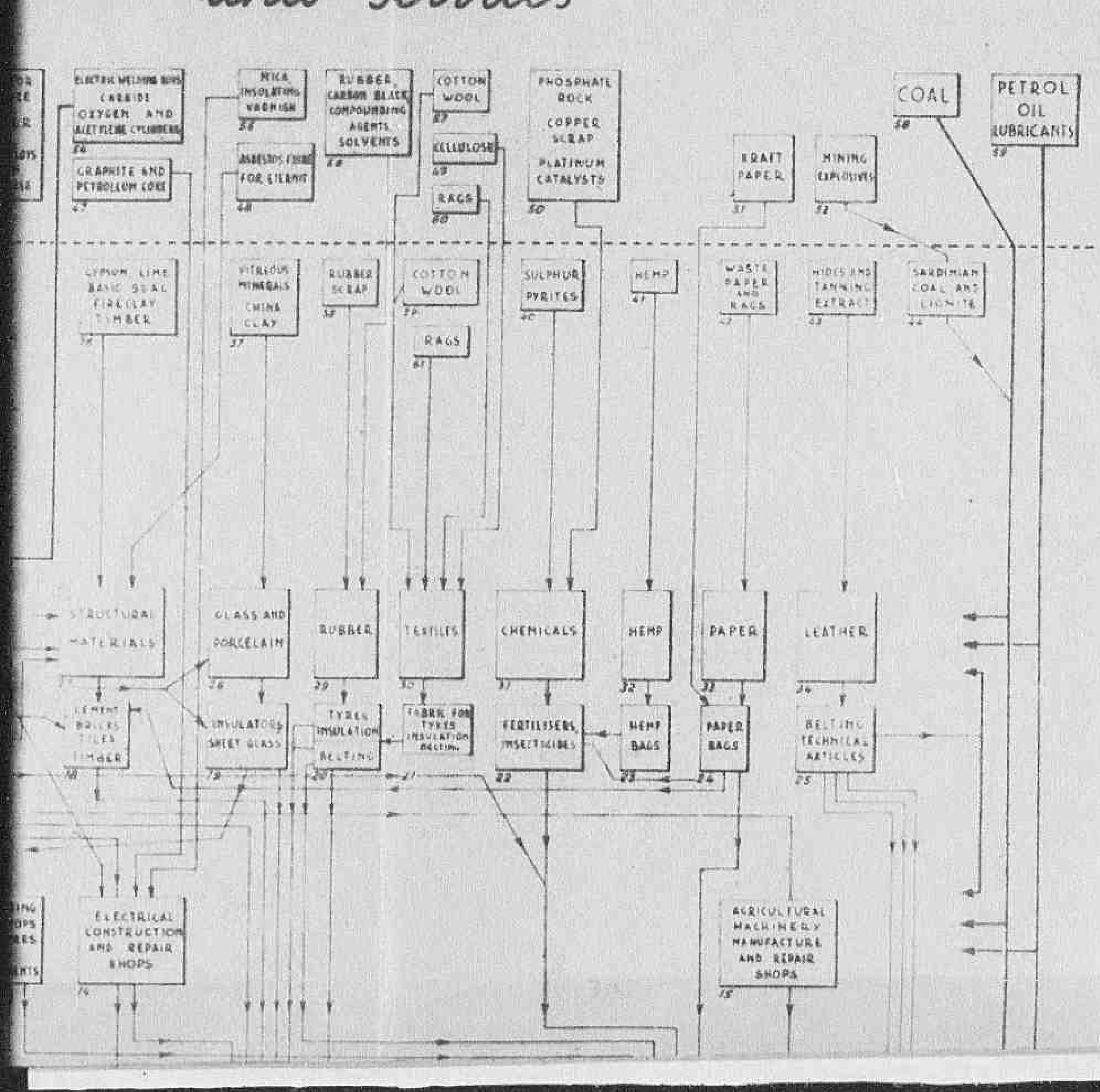
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Interdependence of ind and services

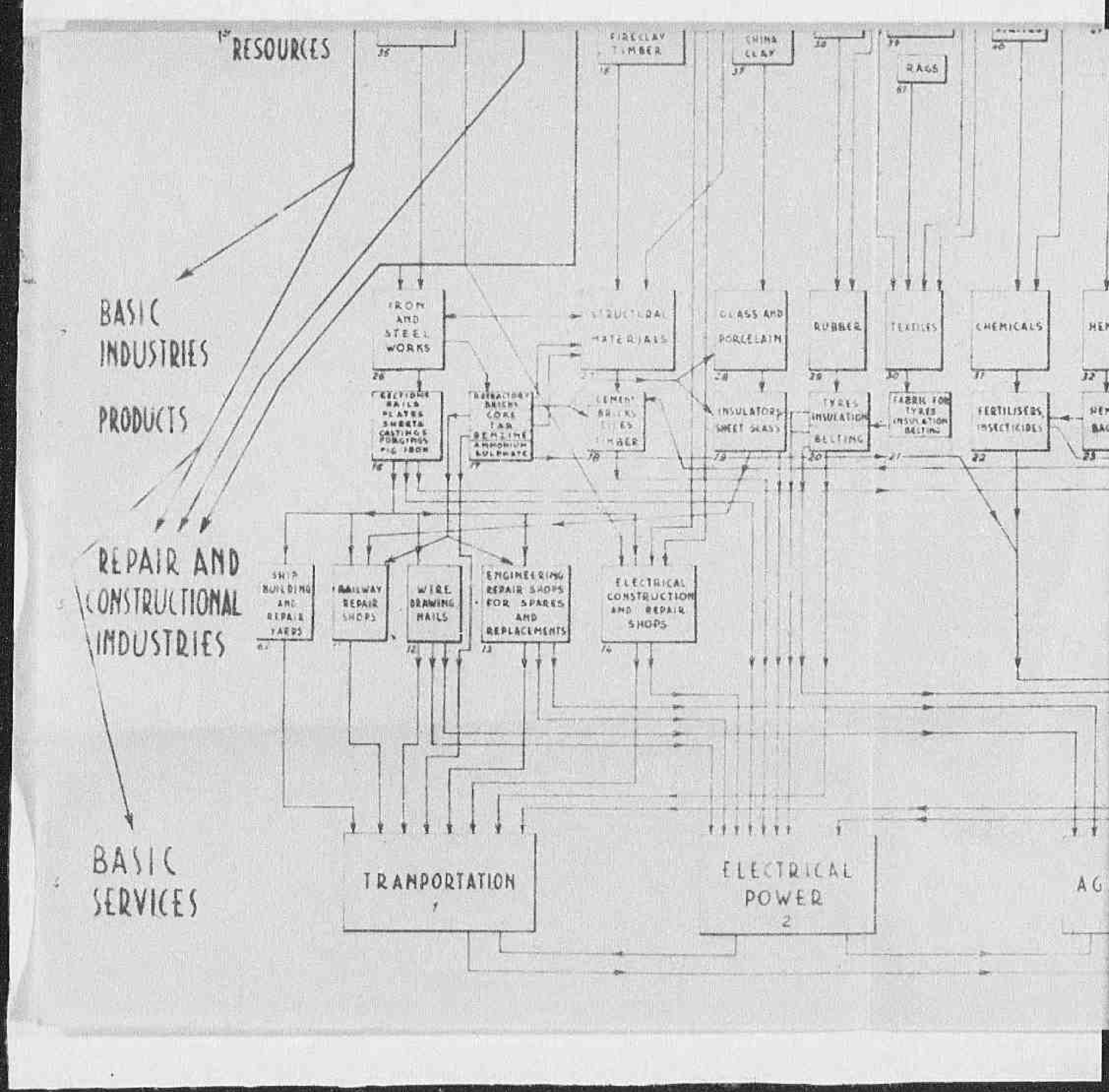


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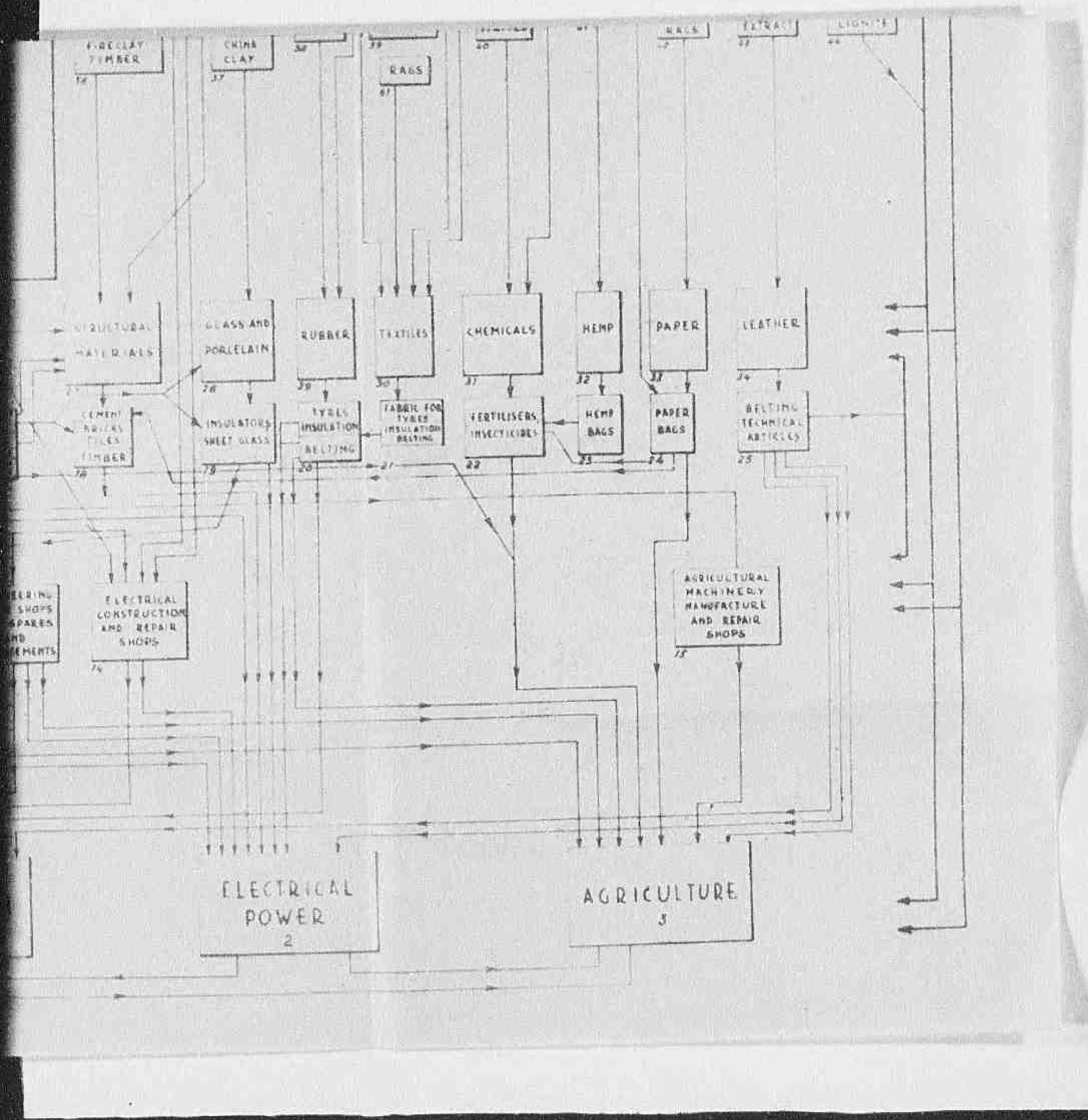
Interdependence of industries and services



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17. Col. MILLARD

35

ECONOMIC SECTION

Date 2 June.

Internal		External	
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Vice President		ECONOMIC SECTION	
Brig. Anderson		AGRICULTURE SUB-COMMISSION	
Brig. Gen. McKinley		COMMERCE " "	
Col. Densmore		FINANCE " "	
Col. Walton		FOOD " "	
Lt. Col. Thompson		INDUSTRY " "	
Maj. Doe		LABOR " "	
Maj. Murtagh		P W & U. " "	
Maj. Tooby		TRANSPORTATION "	
O. A. Cerrito		CHIEF COMMISSIONER	
Capt. Atkins		PRICE SECTION	
Capt. Williams		REQUISITION BRANCH	
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AFHQ SIGNED ALEXANDER CITE FHGEG
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This is LAC 1186.

Communications requirements program of essential Italian imports.

1. Request items 6,9,10,11,12,15,16,18,25, and 26 be deleted From BUS-316-SIG.

2. Following items confirmed as being essential: 17,32, 33, and 36.

3. Investigation being carried out balance items this requisition

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1- JUN 1945

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HEADQUARTERS ALLIED COMMISSION
APO 394
Economic Section
Requisition Branch

Tel. 549

GF-lak

Ref. R3-512.2

31 May 45

MEMORANDUM:

TO: (See Distribution)

1. Attached is a copy of MOO Airgram 57, relative to Transitional Progress of Essential Italian Imports, Section 1.

2. It is forwarded for your information and any action deemed necessary.

H. C. [illegible]
Lt. Col., AUS
Economic Section

Incl: as per para 1.

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HEADQUARTERS ALLIED COMMISSION

NOC AIRGRAM 57 : 30 May 1945

FROM : ALOON SIGNED STONE

TO : Combined Civil Affairs Committee
(For Combined Liberated Areas Committee)
5D-866 Pentagon Building
Washington, D. C. (15 Copies)

SUBJECT : Program of Essential Italian Imports - 1945

1. Attached is a copy of a letter received from the Italian Prime Minister in which he deals at length with the revision of the Program necessitated by the collapse of German resistance in Italy.

2. As an annexure to the Prime Minister's letter there is transmitted a list of materials and supplies, to be known as Transitional Program of Essential Italian Imports, Section 1, which has been developed partly from the Program of Essential Italian Imports 1945. The Italian Government requests that procurement of these supplies shall have absolute priority over all other supplies requested in the Category 3 portion of the original Program.

3. Other sections of the Transitional Program covering the period September - December 1945 will follow later and finally a 1946 Program will be prepared and transmitted to Washington. These Programs will both be related to the Program of Essential Italian Imports 1945.

4. The complete revision of the original Program will be accomplished with the completion of the 1946 Program. It is intended to send the completed revision to Washington.

Attachments:

15 Copies each of Prime Minister's Ltr as per para 1.
15 Copies of each of annexure to Prime Minister's letter as per para 2.
15 Copies each of Overall justification to Transitional Program of Essential Italian Imports, Section 1.

DISTRIBUTION

Combined Civil Affairs Committee
(For Combined Liberated Areas Committee)
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War Office, Whitehall, London, S.W.1. (4 Copies)

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transmitted a list of materials and supplies, as shown in the Program of Essential Italian Imports, Section 1, which has been developed partly from the Program of Essential Italian Imports 1945. The Italian Government requests that procurement of these supplies shall have absolute priority over all other supplies requested in the Category B portion of the original Program.

3. Other sections of the Transitional Program covering the period September - December 1945 will follow later and finally a 1946 Program will be prepared and transmitted to Washington. These Programs will both be related to the Program of Essential Italian Imports 1945.

4. The complete revision of the original Program will be accomplished with the completion of the 1946 Program. It is intended to send the completed revision to Washington.

Attachments:

15 Copies each of Prime Minister's Ltr as per para 1.
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(For Assistant Chief of Staff, G-5) (5 Copies)

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Interministerial Committee for Reconstruction,
Rome, Italy. (10 Copies)

Allied Commission:
Economic Section,
Supply Division. (8 Copies)

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THE PRESIDENT OF THE
COUNCIL OF MINISTERS

Rome, 30 May 1945

My dear Admiral,

1. On the 20th of March 1945 I sent you a document entitled "The Program of Essential Italian Imports - 1945". In this program were stated the importations necessary for reactivating the economy of that part of Italy which had been up to then liberated, and to ensure some finished products that the population of that area so urgently required. In preparing the program for that part of Italy up to then liberated we declared that a second program for the North was to be prepared and forwarded to you when that region was liberated.

2. When the first program was prepared it was impossible to foresee how long the war in Italy would last and what destruction and looting the Germans would do to the economic resources of Northern Italy, during the last phases of the war. Therefore only the productive capacity and industrial plants of the regions that had so far been liberated were considered.

3. Most luckily the liberation of the North happened so rapidly that the industrial plants and the transportation system suffered only very light damage. However they are practically idle owing to the lack of coal and certain raw materials.

4. Therefore the Italian economy is in very different condition from that upon which the "Program of Essential Italian Imports - 1945" was based. The finished products and the machinery requested in the Program could be produced on a much larger scale in the Northern areas if the fuels and raw materials required were supplied.

5. One of the aspects of the new situation that must be most seriously considered is the problem of employment of the specialized labor located in the densely populated and highly industrialized regions of the North. The mass insurrection of the workers that prevented the Germans from accomplishing final destruction of the plants in Northern Italy was well organized, efficient and violent. The old regime was abolished and a new one was imposed with pistols and machine guns handled by workmen-partisans. In this great effort, towards liberty, all differences between parties were put aside, and all parties united to the common aim. To their success an atmosphere of comprehensible excitement and holiday making has followed. In the meantime there is hardly any work and no production, while prices are rising. A reaction is inevitable, and one can already see the first symptoms of it. If there is no work and if there is no production to prevent rapid rise of prices, delusion and disgust among the workmen will create a political atmosphere, from which violence may well result. Every person that observes the conditions of the working classes in the North agrees on the absolute urgency to

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put them back to work at once, because it is feared that if this does not happen there will be a most serious agitation.

6. For this reason it is necessary, following the liberation of Northern Italy, to coordinate and integrate the "Program of Essential Italian Imports - 1945" by increasing the quantities of raw materials in respect to finished products, especially as far as we know, the finished products are available on a very small scale, and their substitution by raw materials would not retard but rather hasten the actual distribution of the corresponding finished products in Southern and Northern Italy.

7. The original Program was divided into two parts, one of which (Category "A") was to be provided by the Military Authorities, according to the conditions stated in paragraph 13 of the MacMillan-Stone Memorandum. The requirements of the population are so great and so urgent that the Italian Government requests that the U. S. and U. K. Combined Military Authorities should supply, although military operations against Germany have ceased, all the items that in the original program have definitely been classified as Category "A", be they raw materials or finished products, so that they should not weigh on the limited purchasing power that Italy has abroad.

8. The coordination and integration of the Program have been jointly prepared with the Economic Section, Allied Commission, after having consulted the Central Economic Committee of the CLNAI (Committee of National Liberation Northern Italy).

9. Considering the situation in Northern Italy, the Program has been revised on a larger basis so as to have a broader view of the Italian economy, and to augment the period of time during which it can be carried out. This revision has been followed by a plan for the reactivation of the industries that will be carried out in three phases which will last eighteen months. The first period will begin at once. The three phases of the industrial reactivation plan are:

a. A distribution plan, necessarily of modest proportions, to be developed during the period June-August 1945, on the basis of:

1) the finished products that are available or that can be imported during this period,

2) the finished products that can be obtained from the raw materials now available or which may probably be imported during this first period.

b. A national production plan for the period September-December 1945 to be based on the importation of limited quantities of absolutely essential raw materials and a corresponding amount of coal.

c. A National Plan for 1946.

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10. Considering that the requirements for the period June-September 1945 of coal and some essential raw materials and certain finished products and machines (such as lorries) have already been allocated and are being shipped to Italy, and arrangements are being made to increase the quantities, the integration of the "Program of Essential Italian Imports - 1945" will be accomplished in two phases: First: Statement of the requirements of coal and raw materials necessary for carrying out the National Plan for the period September-December 1945 mentioned above that I will call the Transitional Program. Second: A statement of the import requirements necessary for the National Plan 1946 that I will call Program 1946. The "Program of Essential Italian Imports - 1945" will be kept as a basis for these two new programs, and the requests of the latter will be referred item per item to those contained in the first program.

11. The Transitional Program is being prepared and it will be divided in sections, each of which will cover the requirements for one month. I am attaching hereto the first of the sectional program for the month of September 1945. This method has been adopted in light of the serious situation which may develop with the workers, and therefore we are presenting it with all urgency. It is only possible however to indicate the initial needs that are self-evident. Further studies and the knowledge of availabilities that will result from this first section of the program will enable us to prepare the other sections with greater accuracy and details.

12. In preparing the first section of the Transitional Program we have not tried to justify the quantities and the materials in terms of end use. A glance at the program will clearly indicate that it reflects the supplies fundamentally essential to the economy of a nation of 40 million inhabitants. Italy normally imported these supplies, but during four years of war these importations practically stopped, and during these years Italy has suffered tremendous destruction.

13. The quantities of materials requested have been predicated on the following basis: as it was clearly useless to import materials for a specific production that the transport situation would not have been capable of handling, the first step was to calculate the present hauling capacity of the transport system and rolling stock available, expressed as a percentage of the capacity it had in 1940. This percentage was then applied to the consumption of coal as in 1940 and the request for coal to be imported is based on the figure obtained. (It must be noted that on this basis the coal to be imported for the whole of Italy is calculated to 383,000 metric tons per month as compared with the estimate of 365,400 metric tons in the Program of Essential Italian Imports - 1945.) This total amount of coal was then allotted to the various industrial groups, proportionate to those considered advantageous economically. We have then requested that each industrial group should state its requirments of raw materials to be imported so as to obtain with the coal at their disposal, a maximum production of essential finished products.

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14. The total tonnage of the supplies requested in the first section of the Transitional Program is 710,500 metric tons, of which 383,000 represent the tonnage of the coal requested. The following table shows specific details:

	Metric Tons
Coal for Steam	170,000
Coal for Coke	80,000
Coal for Furnaces	25,000
Anthracite	40,000
Coke	60,000
Total Coal	383,000
Petrol and Mineral Oils	86,470
Bitumen	20,000
Other Oils	2,330
Phosphates	48,300
Other Minerals	8,580
Chemical Products	2,858
Rubber for Tires	1,710
Cellulose	12,500
Wool	1,250
Cotton	6,550
Wax and Gum Lac	51
Non-ferrous Metals	10,145
Iron and Steel	64,700
Wood in Logs	35,000
Railroad Ties	20,000
Total	710,444

I am well aware that all this represents for the Allies a sea transportation problem of sizeable proportions. However, I speak in the name of 40 million persons; of which nearly half have been reduced by the war to conditions of want and suffering. The other half of the nation is ready to repair the destruction and to provide the urgent requirements of their fellow countrymen, but they have no materials for this gigantic task. I earnestly ask you to forward to the Combined Allied Authorities my personal entreaty that they should not omit any means by which these materials that are so urgently needed may be supplied and to find the means for transporting them to Italy. Some of these supplies, as for example the cellulose (12,500 tons) and the lumber and railroad ties (55,000 tons) could eventually also be supplied by European countries. It is even possible, by a far-reaching policy, that the supply problem may be simplified, substituting liquid fuels for a part of the coal necessary for production of steam. In this event, we could initiate in Italy a large scale conversion of boilers for liquid combustion.

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15. It is evident that one should avoid the loss of time that would occur if it were to be established which part of the first section of the Transitional Program should fall under the responsibility of the Combined Military Authorities, according to the definition of paragraph 13 of the MacMillan-Stone Memorandum. Therefore the Italian Government while intending to ask for a credit to finance particularly the supplies of raw materials necessary to the industries in the North, would in the meantime agree that the said first section of the Transitional Program, inasmuch as it would fall in Category "B", should be debited to the funds referred to in the letter of the Italian Minister of the Treasury addressed to the Secretary of the Treasury of the United States, dated the 20th of January 1945, or on those other credits that eventually were to be made available for the purpose of procuring essential supplies for Italy, and thus be paid.

16. The Italian Government furthermore requests that the supplies asked for in the first section of the Transitional Program should have absolute priority over all the other supplies requested in Category "B" of the "Program of Essential Italian Imports - 1945".

17. I herewith forward the list of requirements that are the most urgent to my country, well aware of the problems attached to their fulfilment and of the sufferings that will follow if these requirements cannot be obtained. I beg you to forward the list as soon as possible to the Allied Authorities and request that they be considered with due haste and sympathy.

(Signed) IVANOE BONOMI

TO: ADMIRAL ELLERY W. STONE
CHIEF COMMISSIONER
ALLIED COMMISSION
ROME

Appendix A

TRANSITIONAL PROGRAM 1945

Imports of Raw Materials and Supplies
Essential for the Reactivation
of Italian Industry

Section 1 - September 1945

NOTE: References in the last columns are to the Program of Essential Italian Imports 1945.

Description (1)	Unit (2)	North (3)	South (4)	Total (5)	Requisition (6)	Item No. (7)
A. Fuels, solid and liquid, and derivatives						
Steam coal	M.ton			178,000	VI(a)	-
Coal for gas & coking coal	"			80,000	VI(a)	-
Coal for furnaces & gas producers	"			25,000	VI(a)	-
Anthracite	"			40,000	VI(a)	-
Coke	"			60,000	VI(a)	-
Benzol	"	1,000		1,000	-	-
Toluol	"	10	-	10	-	-
Coal-tar	"	50	-	50	-	-
Pitch	"	50	-	50	-	-
Paraffin wax:						
White flakes	"	250	-	250	-	-
Refined 118-120	"	100	-	100	-	-
Refined 122-124	"	500	-	500	-	-
Refined 130	"	100	-	100	-	-
Refined 135	"	80	-	80	-	-
B. Mineral oils and derivatives						
Petrol for automobiles	"	8,000	25,000	33,000	POL	-
Kerosene for lamps	"	1,000	2,500	3,500	POL	-
Kerosene for agricultural use	"	4,500	7,000	11,500	POL	-
Light Diesel oil for transport and agricultural machines	"	4,500	8,000	12,500	POL	-
Heavy Diesel oil and naphtha for boiler firing	"	10,000	7,000	17,000	POL	-
Petroleum coke	"	2,000	1,600	3,600	POL	-
Bitumen for road surfacing	"	5,000	15,000	20,000	POL	-

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Steam coal	M.ton			80,000	VI(a)	-	
Coal for gas & coking coal	"			25,000	VI(a)	-	
Coal for furnaces & gas producers	"			40,000	VI(a)	-	
				60,000	VI(a)	-	
Anthracite	"			1,000	-	-	
Coke	"	1,000		10	-	-	
Benzol	"	10	-	50	-	-	
Toluol	"	50	-	50	-	-	
Coal-tar	"	50	-				
Pitch				250	-	-	
Paraffin wax:	"	250	-	100	-	-	
White flakes	"	100	-	500	-	-	
Refined 118-120	"	500	-	100	-	-	
Refined 122-124	"	100	-	80	-	-	
Refined 130	"	80	-				
Refined 135							

3. Mineral oils and derivatives

Petrol for automobiles	"	8,000	25,000	35,000	POL	-	-
Kerosene for lamps	"	1,000	2,500	3,500	POL	-	-
Kerosene for agricultural use	"	4,500	7,000	11,500	POL		
Light Diesel oil for transport and agricultural machines	"	4,500	8,000	12,500	POL	-	
Heavy Diesel oil and naphtha for boiler firing	"	10,000	7,000	17,000	POL	-	-
Petroleum coke	"	2,000	1,600	3,600	POL	-	-
Bitumen for road surfacing	"	5,000	15,000	20,000	POL	-	-
Oil for light machinery & transmission	"	90	60	150	I-221		306
Oil for medium transmission	"	240	160	400	I-221		309
Oil for heavy transmission		240	160	400	I-221		310
Oil for electric motors	"	240	160	400	I-221		311
Vacuum, D.T.E. heavy				200	I-221		312
Oil for electric motors extra heavy	"	120	80	200	I-221		313
Oil for automobiles	"	120	80	200	I-221		314
Viscosity Engler 3	"	200	130	330	I-221		307
Viscosity Engler 6	"	90	60	150	I-221		315
Viscosity Engler 9	"	25	15	40	I-221		
Viscosity Engler 15							

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(1)	(2)	(3)	(4)	(5)	(6)	(7)
Oil for tempering Viscosity Engler 20	M.ton	25	15	40	I-221	303
Oil, Emulsionable	"	200	120	320	I-221	318
Oil, Cutting, 7 L.L.S., Sap 5%	"	300	160	460	I-221	301
Oil, Insulating	"	500	200	700	I-221	317
Oil, Transformer	"	200	1,000	1,200	I-221	316
Grease for low-speed bearings	"	100	50	150	I-221	319
Grease, yellow, Stauffer type	"	150	80	230	I-221	321
C. Animal and Vegetable Oils and Oil-seeds						
Animal Oils for tanning & textiles (fish-oils)	"	800	-	800	-	-
Sulphur Oil	"	-	5,000	5,000	QM-145	1
Castor Oil	"	30	-	30	-	-
Oil-Seeds	"	3,500	-	3,500	-	-
D. Mineral Products						
Chromite (45-50% Cr_2O_3)	"	1,700	150	1,850	I-230	24
Phosphor Rock	"	20,000	28,300	48,300	I-232	1
Manganese ore	"	6,000	-	6,000	-	-
Ceylon silvery graphite	"	20	10	30	I-230	28
Caolin for high-resistance insulators	"	700	-	700	-	-
E. Chemical & pharmaceutical Products						
Potassium Chloride	"	400	-	400	-	-
Glycerin	"	5	-	5	-	-
Turpentine (pinene)	"	200	100	300	I-221	284
Colofony	"	400	500	900	QM-145	2
Distilled Naphthalene	"	100	-	100	-	-
Butylic Alcohol	"	70	15	85	I-231	3
Benzolic acid	"	20	-	20	-	-
Cresilic acid	"	200	-	200	-	-
Lined magnesite	"	500	100	600	I-230	23
Carpenters' glue (hot)	"	50	50	100	I-221	64
Casein	"	120	-	120	-	-
Xylol	"	10	-	10	-	-
Bismuth, technical	"	2	-	2	-	-
Aerofloat 15%	"	0.50	-	0.50	-	-
Aerofloat 25%	"	0.15	-	0.15	-	-
Aerofloat 31%	"	0.50	-	0.50	-	-
Pine Oil	"	2.60	-	2.60	-	-

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textiles (Fish-oils)	"	800	-	800	-	-
Sulphur Oil	"	-	5,000	5,000	QM-145	1
Castor Oil	"	30	-	30	-	-
Oil-Seeds	"	3,500	-	3,500	-	-
D. Mineral Products						
Chromite (45-50% Cr_2O_3)	"	1,700	150	1,850	I-230	24
Phosphor Rock	"	20,000	28,300	48,300	I-232	1
Manganese ore	"	6,000	-	6,000	-	-
Ceylon silvery graphite	"	20	10	30	I-230	28
— Caolin for high-resistance insulators	"	700	-	700	-	-
E. Chemical & pharmaceutical Products						
Potassium Chloride	"	400	-	400	-	-
Glycerin	"	5	-	5	-	-
Turpentine (pinene)	"	200	100	300	I-221	284
Colofony	"	400	500	900	QM-145	2
Distilled Naphthalene	"	100	-	100	-	-
Butylic Alcohol	"	70	15	85	I-231	3
Benzolic acid	"	20	-	20	-	-
Cresilic acid	"	200	-	200	-	-
Lined magnesite	"	500	100	600	I-230	23
Carpenters' glue (not)	"	50	50	100	I-221	64
Casein	"	120	-	120	-	-
Xylol	"	10	-	10	-	-
Bismuth, technical	"	2	-	2	-	-
Aeroflont 15%	"	0.50	-	0.50	-	-
Aeroflont 25%	"	0.15	-	0.15	-	-
Aeroflont 31%	"	0.50	-	0.50	-	-
Pine Oil	"	2.60	-	2.60	-	-
Frother	"	0.30	-	0.30	-	-
Cefanol	"	0.20	-	0.20	-	-
Flotol S.2	"	0.20	-	0.20	-	-
Agar-Agar (Kobe)	"	0.60	-	0.60	-	-
Succinic Acid	"	0.15	-	0.15	-	-
Sulphate of Atropine	"	0.001	-	0.001	-	-
Medical bismuth	"	0.60	-	0.60	-	-
Sulphate of quinine	"	0.60	-	0.60	-	-

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(1)	(2)	(3)	(4)	(5)	(6)	(7)
Caffeine	M.ton	0.20	0.16	0.36	I-244	14
Cocaine Hydrochloride	"	0.001	0.002	0.003	I-244	24
Ephedrine laevo-gyrous	"	0.030	0.060	0.090	I-244	50
Emetine Alkaloid	"	0.003	-	0.003	-	-
Euchinine	"	0.005	-	0.005	-	-
Gum Arabic	"	5	-	5.	-	-
Lanolin Anhydrous	"	1.50	1	2.50	I-244	40
Lithium chloride	"	0.35	-	0.35	-	-
Opium	"	1.66	-	1.66	-	-
Palladium	"	0.0004	-	0.0004	-	-
Scopolamine Bromohydrate	"	0.0001	-	0.0001	-	-
Spartein Sulphate	"	0.021	-	0.021	-	-
[illegible] bromine	"	0.15	0.10	0.25	I-244	71
Toluol	"	0.90	-	0.90	-	-
F. Rubber and materials for manufacturing rubber products						
Raw rubber	"	120	60	180	ORD-92	1
Synthetic rubber	"	900	250	1150	ORD-92	2
Carbon black-Active	"	160	80	240	OTD-92	3
Carbon Black-Semiactive	"	120	-	120	-	-
G. Basic materials for textiles and paper						
Cellulose for paper	"	8,000	1,500	9,500	I-229	1
Finer cellulose for rayon	"	3,000	-	3,000	-	-
Washed wool	"	1,000	250	1,250	[illegible]-109	50
Cotton	"	5,000	550	5,550	[illegible]-109	50
H. Insulating materials, varnishes and solvents						
Shellac	"	5	10	15	I-228	I
Mica-Splittings, bookform						
Grade 4.5 to 5.5.	"	7	5	12	I-236	22
Grade 5.5	"	7	5	12	I-236	22
Grade 6	"	7	5	12	I-236	22
I. Non-ferrous metals						
Electrolytic copper	"	2,400	700	3,100	I-243	I
Copper in wire bars	"	4,600	1,300	5,900	I-243	I
Pure tin ingots	"	600	250	750	[illegible]I30-144	2
Nickel, cathode	"	125	70	195	I-230	32
Chromium	"	200	-	200	-	-
Cobalt	"	0.100	-	0.100	-	-

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Spartein Sulphate	"	0.001	-	0.021	-	-
[illegible] bromine	"	0.15	0.10	0.25	1-244	71
Toluol	"	0.90	-	0.90	-	-
F. Rubber and materials for manufacturing rubber products						
Raw rubber	"	120	60	180	ORD-92	1
Synthetic rubber	"	900	250	1150	ORD-92	2
Carbon black-Active	"	160	80	240	ORD-92	3
Carbon black-Semiactive	"	120	-	120	-	-
G. Basic materials for textiles and paper						
Cellulose for paper	"	8,000	1,500	9,500	I-229	1
Finer cellulose for rayon	"	3,000	-	3,000	-	-
Washed wool	"	1,000	250	1,250	[illegible]-109	50
Cotton	"	5,000	550	5,550	[illegible]-109	60
H. Insulating materials, varnishes and solvents						
Shellac	"	5	10	15	I-228	I
Mica-Splittings, bookform						
Grade 4.5 to 5.5.	"	7	5	12	I-236	22
Grade 5.5	"	7	5	12	I-236	22
Grade 6	"	7	5	12	I-236	22
I. Non-ferrous metals						
Electrolytic copper	"	2,400	700	3,100	I-243	I
Copper in wire bars	"	4,600	1,300	5,900	I-243	I
Pure tin ingots	"	500	250	750	MI90-144	2
Nickel, cathode	"	125	70	195	I-230	32
Chromium	"	200	-	200	-	-
Cobalt	"	0.100	-	0.100	-	-
L. Ferrous metals and ferrous alloys						
Homogeneous iron in bars	"	5,000	-	5,000	-	-
Black iron plate from 28 to 30 mm	"	1,000	-	1,000	-	-
Iron plate for deep pressing from 0.30 to 1.5 mm	"	1,000	-	1,000	-	-
Homogeneous iron in strips; commercial lengths; width 40 to 50 mm; thickness 0.4 to 3.0 mm.	"	3,000	-	3,000	-	-
American type railroad rail; 50.344 kg per metre; length 11.887 metres	"	35,000	10,000	45,000	TC-96	55

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(1)	(2)	(3)	(4)	(5)	(6)	(7)
Vignola type railroad rail; 36 Kg per metre	M.ton	-	5,000	5,000	I-210	2
Phoenix type railroad rail (girder rail); 54 Kg per metre	"	-	1,500	1,500	I-210	3
Magnetic sheets 2.8 W/kg.	"	1,000	150	1,150	I-235	2
Magnetic sheets 1.1 to 1.3 W/kg.	"	500	100	600	I-235	2
Nickel chromium wire; diam. from 0.18 to 0.51 mm.	"	0.500	0.300	0.800	I-236	47
Nickel-chromium wire; diam. 0.20 mm.	"	0.050	0.020	0.070	I-236	47
Nickel-chromium plate; from 0.25 mm. to 1.8 mm. x 6.35 mm.	"	0.800	-	0.800	-	-
1 x 10 mm.	"	0.200	-	0.200	-	-
1.5 x 10 mm.	"	3.200	-	3.200	-	-
Ferro-tungsten (70/75%W)	"	35	-	35	-	-
Ferro-molybdenum (70/75%Mo)	"	22	-	22	-	-
Acherson type electrodes diam. 75-80-150-175-250 300-305 mm.	"	580	-	580	-	-
Amorphous carbon electrodes 500 x 500 x 1200 mm.	"	200	-	200	-	-
350 x 400x 2000 mm.	"	200	-	200	-	-
Electrode paste, Soderberg	"	400	-	400	-	-
Reddits, mm. 3 to 10	"	0.500	-	0.500	-	-
" , mm.2.5 to 10	"	0.300	-	0.300	-	-
" , mm. 4 to 10	"	0.500	-	0.500	-	-
" , mm. 5 to 10	"	0.200	-	0.200	-	-
Tungsten for filaments; to coil and drew; diam 7 to 10 mm.	"	0.500	-	0.500	-	-
Bright molybdenum on bakelite or plastic coils Diam. 0.050 mm.	KM	40	-	40	-	-
" 0.060 mm.	"	100	-	100	-	-
" 0.070 mm.	"	800	-	800	-	-
" 0.080 mm.	"	400	-	400	-	-
" 0.090 mm.	"	600	-	600	-	-
" 0.110 mm.	"	400	-	400	-	-
" 0.120 mm.	"	200	-	200	-	-
" 0.140 mm.	"	200	-	200	-	-
" 0.150 mm.	"	40	-	40	-	-
" 0.160 mm.	"	40	-	40	-	-
" 0.200 mm.	"	20	-	20	-	-
" 0.250 mm.	"	20	-	20	-	-

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From 0.25 mm. to 1.8 mm.							
x 6.35 mm.	"	0.800	-	0.800	-	-	
1 x 10 mm.	"	0.200	-	0.200	-	-	
1.5 x 10 mm.	"	3.200	-	3.200	-	-	
Ferro-tungsten (70/75%W)	"	35	-	35	-	-	
Ferro-molybdenum (70/75%Mo)	"	22	-	22	-	-	
Acherson type electrodes							
diam. 75-80-150-175-250							
300-305 mm.	"	550	-	- 580	-	-	
Amorphous carbon electrodes							
600 x 500 x 1200 mm.	"	200	-	200	-	-	
350 x 400x 2000 mm.	"	200	-	200	-	-	
Electrode paste, Soderberg	"	400	-	400	-	-	
Reddits, mm. 3 to 10	"	0.500	-	0.500	-	-	
" , mm.2.6 to 10	"	0.300	-	0.300	-	-	
" , mm. 4 to 10	"	0.500	-	0.500	-	-	
" , mm. 5 to 10	"	0.200	-	0.200	-	-	
Tungsten for filaments;							
to coil and draw:							
diam 7 to 10 mm.	"	0.500	-	0.500	-	-	
Bright molybdenum on							
bakelite or plastic coils							
Diam. 0.050 mm.	KM	40	-	40	-	-	
" 0.060 mm.	"	100	-	100	-	-	
" 0.070 mm.	"	600	-	800	-	-	
" 0.080 mm.	"	400	-	400	-	-	
" 0.090 mm.	"	600	-	600	-	-	
" 0.110 mm.	"	400	- -	400	-	-	
" 0.120 mm.	"	200	-	200	-	-	
" 0.140 mm.	"	200	-	200	-	-	
" 0.150 mm.	"	40	-	40	-	-	
" 0.160 mm.	"	40	-	40	-	-	
" 0.200 mm.	"	20	-	20	-	-	
" 0.250 mm.	"	20	-	20	-	-	

M. Timber and semi-finished wood products

Fire logs	M.ton	35,000	-	35,000	-	-	
Standard wooden railroad ties for track and switches of the State Railways	ea.	70,000	160,000	230,000	I-209	19	

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Declassified E.O. 12356 Section 3.3/NND No. 785015

(1)	(2)	(3)	(4)	(5)	(6)	(7)
N. Supplies for the Leather Industry						
Raw hides for Sole leather, dried; sources Argentina, Uruguay, Brazil; average weight per dry skin from 9.5 to 10.5 kg.	M.ton	1,800	900	2,700	QM-110	1
Raw hides for uppers; average weight per skin 4.5 to 5.5 kg.	"	550	300	850	QM-110	5
Sheep hides for uppers and linings; dry and dry salted; sources N. Africa, Greece, Albania, Turkey	"	220	-	220	-	-
Extract dry tannic (base 67% T.E.); quebrachs	"	1,800	-	1,800	-	-
O. Foodstuff						
Cocoa in grains	"	400	-	400	-	-

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APPENDIX "B"

PROGRAM OF ITALIAN ESSENTIAL IMPORTS - 1945

OVERALL JUSTIFICATION TO TRANSITIONAL PROGRAM OF ESSENTIAL ITALIAN IMPORTS, SECTION I.

MONTHLY NEEDS OF RAW MATERIALS AND OF SUPPLIES ESSENTIAL TO THE REACTIVATION OF THE ITALIAN INDUSTRY

I. Industrial Concentration in Northern Italy

From 75% to 85% of the Italian industry is concentrated in the regions of Northern Italy. In some of the fundamental industrial branches such as the manufacture of electric machinery, the motor car industries, several fundamental chemical industries and other industries producing intermediate products, the total capacity of Italy is concentrated in the North.

This concentration explains the grave situation which has arisen in the industry and in the general economic life of the South as a result of the prolonged separation from the North; a quick reactivation of the Northern industries will enable a beginning to be made not only on the solution of the grave problems of the North, but also on the improvement or removal of some of the unfavorable elements now weighing upon the productive and monetary economy of the whole country.

II. The Supply of Italian Needs of Coal

As is well known, Italy has only very small resources of solid fuels. Indeed they do not supply even 10% of the normal need of the country: moreover, a great deal of these resources lie outside of the provinces now liberated.

The Northern productive activity will therefore be paralyzed as long as the supply of fuel from abroad is not provided.

In regard to the supply of fuel from abroad, the Allied Command has given information that steps have been taken to import into the North the following quantities:

June	24,000 tons
July	49,000 tons
August	80,000 tons

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From 75% to 80% of the Italian industry is concentrated in the regions of Northern Italy. In some of the fundamental industrial branches such as the manufacture of electric machinery, the motor car industries, several fundamental chemical industries and other industries producing intermediate products, the total capacity of Italy is concentrated in the North.

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As is well known, Italy has only very small resources of solid fuels. Indeed they do not supply even 10% of the normal need of the country: moreover, a great deal of these resources lie outside of the provinces now liberated.

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In regard to the supply of fuel from abroad, the Allied Command has given information that steps have been taken to import into the North the following quantities:

June	24,000 tons
July	49,000 tons
August	80,000 tons

In view of the present uncertainty of the availability of Istrian coal, of the difficulties of transporting Tuscan lignite, of the low level of the Sardinian production and of the needs of the Central and South ern provinces, it is foreseen that the above availability of coal from abroad will not be appreciably increased from national resources.

As the normal need of the Northern provinces is reckoned at about 800,000 tons per month (against a national consumption of 1,200,000/1,300,000 tons per month), the above allocation will allow only a very small-scale resumption of the productive activity; the smallness of this resumption is illustrated by the fact that with these allocations only 130,000 workers will be able to work in June, 300,000 in July and 480,000 in August, whereas the working population of Northern Italy is 1,700,000.

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Every effort should therefore be made to increase the small allocations already fixed for the period June through August; in this regard it is pointed out that by using river and overland transport on a limited scale an important supply of German coal could be arranged through Switzerland.

III. Principles Followed in Determining the Monthly Needs of Raw Materials and Supplies to be Imported.

The assessment of the minimum urgent need of coal and other raw materials of the North Italian industries has been ascertained as follows:

a. An estimate has been made of the whole traffic-carrying capacity of what is left of the Northern Italian transport system.

b. A coal supply has been fixed proportional to the transport capacity as assessed in "a".

c. Coal quantities indicated in "b" have been divided among the different industrial branches and, on the basis of the allotted coal, the needs of the other raw materials and of materials to be imported have been calculated.

In order to give a general picture of the entire Italian situation the needs of coal and of raw materials of the North were finally integrated with the corresponding figures given in the First Aid Plan for the South.

All the data refer to one month, which should correspond to the month of September 1943, as the Allied authorities have already made provision for an initial supply of coal for the months of June, July, and August as mentioned in paragraph 2.

IV. Potentiality of the Transport System Now Available in Northern Italy.

The following data has been collected on the transport system:

a. Railways: The rolling stock normally available in Northern Italy has been reduced by destruction and war casualties as follows:

	Normal stock	Present stock	Percentage
Steam locomotives	2,000	700	35
Electric locomotives	800	300	37
Wagons	5,000	700	14

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b. A coal supply has been fixed proportional to the transport capacity as assessed in "a".

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IV. Potentiality of the Transport System Now Available in Northern Italy.

The following data has been collected on the transport system:

a. Railways: The rolling stock normally available in Northern Italy has been reduced by destruction and war removals as follows:

	Normal stock	Present stock	Percentage
Steam locomotives	2,000	700	35
Electric locomotives	800	300	37
Wagons	5,000	700	14
Freight cars	75,000	20,000	27

In the next three months the situation will improve because 4/5,000 more freight cars (new and repaired) and about 100 repaired steam and electric locomotives will be added to the rolling stock. It is therefore estimated that by September, bearing in mind the repairs now being made to the fixed plant, the railway net may reach a goods carrying capacity of at least one third of what it was before the war. On the other hand, before the war there was an excess of rolling stock in proportion to the traffic and the car turn-round will be considerably improved: it is therefore concluded that the railway system will be easily able to absorb

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a traffic equal to one third of pre-war.

b. Lorries: In Northern Italy a census has so far been taken of some 25,000 lorries and 8,000 trailers with a total carrying capacity of about 65,000 tons. As the pre-war stock was approximately 80/90,000 lorries, it should not be difficult, with the new production and with small allotments from the Allies to reach in this branch a capacity equal to one third or better of what it was before the war.

c. Inland navigation and coast-wise shipping: Inland navigation in Northern Italy is confined almost exclusively to the Po River; projects to utilize this waterway are now being developed which will give some results by September: in any case, the efficiency of inland navigation in September will certainly not be lower than normal.

There is no exact news about coasting so far, but first estimates agree that its efficiency has not fallen below that of the railways and road traffic.

In conclusion, the capacity of the transport system of Northern Italy may be reckoned for the month of September to be the 30-40% of the normal traffic; on this basis the quantity of coal to be allocated to Northern industries has been fixed at 270,000 tons, or 34% of normal consumption.

V. Distribution of Fuel Among the Different Industrial Branches.

At the present stage the most convenient subdivision of a monthly allocation of 270,000 tons of coal among the different branches of the Northern industries is the following:

	Consumption 1940 (000 tons)	Percentage	Present Need (000 tons)
Railways	75	33	25
Gas Works	90	20	15
Coking plants	90	33	30
Blast-furnaces producing coke	20	-	-
Metallurgy	25	33	20
Mechanical Engineering			15
Lime, cement and bricks	90	50	40
Earthenware and glass factories	20	25	5
Paper and Clothing	30	50	15

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utilise this waterway are now being developed which will give some results by September: in any case, the efficiency of inland navigation in September will certainly not be lower than normal.

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V. Distribution of Fuel Among the Different Industrial Branches.

At the present stage the most convenient subdivision of a monthly allocation of 270,000 tons of coal among the different branches of the Northern industries is the following:

	Consumption 1940 (000 tons)	Percentage	Present Need (000 tons)
Railways	75	35	95
Gas Works	90	20	18
Coking plants	90	35	30
Blast-furnaces producing coke	20	-	-
Metallurgy)	75	33	20
Mechanical Engineering)			15
Lime, Cement and bricks	90	50	45
Earthenware and glass factories	20	25	5
Textiles and clothing	30	50	15
Rayon	20	25	5
Chemicals	75	50	37
Paper Mills	20	25	5
Sugar)	35	-	30
Other foodstuffs)			10
Electricity	20	-	-
Domestic Use	90	-	-
Various Industries	40	25	10
	792	34	270

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With the above allocations the labor employed, as compared with the normal, is estimated to be the following:

	270,000 tons (000)	800,000 tons (000)
Gas Works 1/	1	2
Metallurgy & Mechanical Engineering	350	600
Lime, cement and bricks	40	70
Earthenware and glass	5	24
Textiles and clothing	280	620
Chemicals	45	70
Paper mills	16	37
Food processing	120	190
Electricity	18	18
Various industries	15	30
Total	870	1,671

In the list facing this page are indicated the total needs of fuel of Northern Italy, according to the evaluation above mentioned and of Central and Southern Italy, according to the First Aid Plan.

This list shows a monthly need of 473,000 tons of coal per month, from which should be deducted the Italian production of solid fuel, which presumably will be as follows:

	000 tons	equal to	000 tons of black-coal
Sardinian coal	40		30
Istrian coal	40		30
Tuscan peaty lignite	10		6
Berganasque peaty lignite	10		6
Xyloid lignite	45		18
		Total	90,000 tons

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The need of coal to be imported is therefore reduced from 473,000 to 383,000, tons per month; the latter quantity should be supplied in the following types:

Coal for the production of steam	178,000 tons
Coal for the production of gas and coke	80,000 tons
Coal for furnaces and for gas producers	25,000 tons

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Food processing	16	37
Electricity	120	180
Various industries	28	18
	15	50
Total	870	1,671

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This list shows a monthly need of 473,000 tons of coal per month, from which should be deducted the Italian production of solid fuel, which presumably will be as follows:

	000 tons	equal to	000 tons of black-coal
Sardinian coal	40		30
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Bergamasque peaty lignite	10		6
Xyloid lignite	45		18
Total			90,000 tons

The need of coal to be imported is therefore reduced from 473,000 to 383,000, tons per month; the latter quantity should be supplied in the following types:

Coal for the production of steam	178,000 tons
Coal for the production of gas and coke	80,000 tons
Coal for furnaces and for gas producers	25,000 tons
Anthracite	40,000 tons
Coke	60,000 tons
	383,000 tons

Note: In Appendix A have been listed raw materials and materials needed for initial reactivation of the Italian industry as a forecast for September; such needs are separately indicated for Northern Italy in accordance with the basis on which this report has been made and for Central and Southern Italy in accordance with the First Aid Plan.

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COAL SUPPLY

	Consumption 1940			September		
	North	Central-South (000 tons)	Total	North 000 tons	%	South 000 tons
Railways	75	75	150	25	33	25
Gas Works	90	35	125	18	20	23
Coking Plants	90	-	90	30	33	-
Blast-furnaces producing coke	20	80	100	-	-	10
Metallurgy	75	20	95	20) 15)	50	15
Mechanical Engineering						
Lime, cement and bricks	90	60	150	45	50	37
Earthenware and glass factories	20	15	35	5	25	6.5
Textiles and Clothing	30	7	37	15	50	7
Rayon	22	6	28	5	25	5
Chemicals	75	25	100	37	50	12.5
Paper Mills	20	5	25	5	25	3.5
Sugar	35	33	68	30) 10)	115	23
Other Foodstuffs	20	20	40	-	100	20
Electricity	90	22	112	-	100	3.5
Domestic Use	40	20	60	10	25	10
Various industries	792	423	1215	270	34	203

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COAL SUPPLY

Consumption 1940		September 1945 Needs					
		North		South		Totals	
Central-South (000 tons)	Total	000 tons	%	000 tons	%	000 Tons	%
75	150	25	33	25	33	50	33
35	125	18	20	23	66	41	36
-	90	30	33	-	-	30	33
80	100	-	-	10	12	10	10
20	95	20) 15)	50	15	75	50	42
50	150	45	50	37	62	82	55
15	35	5	25	6.5	43	11.5	47
7	37	15	50	7	60	22	52
6	28	5	25	5	83	10	57
25	100	37	50	12.5	50	49.5	50
5	25	5	25	3.5	70	8.5	34
33	68	30) 10)	115	23	70	63	70
20	40	-	100	20	100	20	50
22	112	-	100	3.5	25	5.5	5
20	60	10	25	10	50	20	50.
423	1215	270	34	203	48	473	39

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HEADQUARTERS ALLIED COMMISSION
APO 394.
Communications Sub--Commission HTWM/rm

T.36. CS. 25th April 1945.

SUBJECT: Programme of Essential Italian Imports 1945.

TO : Economic Section, A.C.

Reference your note of 24th April 1945 accompanying copy of Requisition.

1. It is observed that in item 11 of the Requisition the word "thru" has been typed instead of three. This is a key word of the item.

2. In item 12, the figure 3 is not clear. If other copies are the same , it might be as well to mention this when referring to item 11, as, here again, this is a key figure.

J.L.HENDERSON,
Colonel,
Director.

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Declassified E.O. 12356 Section 3.3/NND No. 785015

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HEADQUARTERS ALLIED COMMISSION
APO 394
Communications Sub-Commission HTWM/epc

T.14.C.3.CS 26th May, 1945

SUBJECT: Requisition AC-SIG-100-45

TO: Requisition Branch, Supply and Resources Division, A.C.

1. Kindly note that this Sub-Commission is of the opinion that the following items cannot now be considered as necessary to provide 20% rehabilitation of the Italian telecommunication services, and that they should accordingly be deleted.

Items 6,9,10,11,12.15,16,18,25 and 26.

2. The following items are still considered to be essential:

Items 17,32,33 and 36.

3. As regards the remaining items, further investigation will probably show that the whole or part of each item is unnecessary but as yet the full extent of the resources of N.Italy is not yet known. This is now under investigation.

4. It is suggested that the items in para.1 above be immediately deleted, and those in para.2 be immediately confirmed with A.F.H.Q., the remainder to await further investigation. This will avoid delay in obtaining the most urgent items.

J.L.HENDERSON
Colonel,
Director.

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File

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CONFIDENTIAL

CONFIDENTIAL

12

HEADQUARTERS ALLIED COMMISSION
APO 394
Communications Sub-Commission

HTWM/epc

T.14.C.2.CS

26th May, 1945

SUBJECT: Allied Supplies for Italian Government - Telecommunications Equipment.

TO: Regional Commissioner, Lombardia Region
Att: Lt.Col.Cumming
Regional Commissioner, Venezia Region
Att: Major S.H.Hills
Regional Commissioner, Piemonte Region
Att: Capt. F.V.Collyer

1. Some time ago, the Italian Government prepared an extensive list of stores andequipment for purchase from Allied sources for the rehabilitation of Italy.

2. Most of this equipment is badly required for the restoration in part of facilities in Allied countries.

3. In N.Italy, large quantities of stores removed by the Germans from S.Italy have been found, and as a result, several items in the Italian demand have already been cancelled.

4. It is hoped that it may be possible to cancel many of the other items also, by the supply of such items from factories in N.Italy.

5. A list of items is attached. Would you please visit any factories likely to produce such items and state the possibilities of their supply (say) within a year.

6. Kindly also mention the fact if there are any exceptionally large quantities of any of the items in local State or Concessionary Companies' stocks.

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J.L.HENDERSON
Colonel,
Director.

Incl: List of Stores.

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LIST OF OUTSTANDING REQUIREMENTS

ITEM N°	DESCRIPTION	UNIT	QUANTITY
1	Typewriters	each	300
2	Adding machines, type MADAS	"	100
3	Raincoats for linemen	"	3,000
4	Stamp Cancelling Machines (electrically operated)	"	30
5	Stamp Cancelling Machines (hand operated)	"	100
7	Submarine Telegraph Cable (40 miles for deep water, 15 miles intermediate, 5 miles coastal ~~Pentodden~~ use; 130/130 core)	Naut. miles	60
8	Submarine telephone-type cable Krarup single quad	"	20
13	Automatic exchange apparatus, for 500 numbers, normal traffic	each	6
14	Ditto for 1,000 numbers	"	3
17	Jumper Copper Wire (2 conductors each 6/10 mm.) Km.	Km.	200
19	Cord for long distance positions. 50,000 cords, approximate lenght 2 mt. without plugs, both ends prepared for taking plugs.	Km.	100
20	Batteries of stationary type secondary cells each 100 ampere-hours capacity at 130 volts, with rectifiers for full charge in about 10 hours. Main supply: three phase 220 Volts, monophase 125 Volts, 42-50 cycles.	each	10
21	Stadby sets - each composed of I.C. Engine coupled to a generator for charging above batteries to be used in case of mains breakdown.	"	10
22	Batteries of stationary type secondary cells, each 100 ampere-hours capacity, 220 Volts, with rectifiers for full charge in 10 hours. Mains supply: 220 Volts, threephase, 125 V. monophase, 42-50 cycles.	"	5
23	Batteries of stationary type secondary		

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	130/130 core)		
8	Submarine telephone-type cable Krarup single quad	Naut. miles	60
13	Automatic exchange apparatus, for 500 numbers, normal traffic	"	20
14	Ditto for 1,000 numbers	each	6
17	Jumper Copper Wire (2 conductors each 6/10 mm.) Km.	"	3
19	Cord for long distance positions. 50,000 cords, approximate lenght 2 mt. without plugs, both ends prepared for taking plugs. Km.		200
20	Batteries of stationary type secondary cells each 100 ampere-hours capacity at 130 volts, with rectifiers for full charge in about 10 hours. Main supply: three phase 220 Volts, monophase 125 Volts, 42-50 cycles.		100
21	Stadby sets - each composed of I.C. Engine coupled to a generator for charging above batteries to be used in case of mains breakdown.	each	10
22	Batteries of stationary type secondary cells, each 100 ampere-hours capacity, 220 Volts, with rectifiers for full charge in 10 hours. Mains supply: 220 Volts, threephase, 125 V. monophase, 42-50 cycles.	"	10
23	Batteries of stationary type secondary cells, 200 ampere-hours capacity 24-48-60 Volts.	" 3580	5
24	Ditto, but 500 ampere-hours capacity	"	10
27	Telephone Switchboard indicating Lamps:		10
	48 V	"	15,000
	24 V	"	15,000
	18 V	"	6,000
	12 V	"	4,000

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ITEM N°	D E S C R I P T I O N	UNIT	QUANTITY
28	Telephone cables for urban use Patterson type paper and air insulated and lead covered. 6/10 m/m copper conductors		
	a) for 600 pairs (4,000 mt).	Km of pr.	2,400
	b) " 400 " (1,200 mt.)	"	4,800
	c) " 200 " (24,000 mt.)	"	4,800
	d) " 100 " (30,000 mt.)	"	3,000
	e) various quantities of cables for 10, 20, 30, 40, 50 pairs	"	9,000
	f) Cables for 100 pairs ut with conductors 7/10 mm. (10,000 mt. each couple)	"	1,000
	Total	Km Couple	25,000
29	Switchboard cable for multiples of urban switchboards, of various types	Km.	50
30	Switchboard cable, round section capacity 2 x 20 and 3 x 20 for internal cabling of exchanges.	"	150
31	Lead covered twin cable with copper conductors 6/10 m/m dia	"	500
34	Steel wire 6-8 mm for supporting of cables	Ton	20
35	Cross connection cabinets for urban telephone net-works, made of sheet steel, complete with terminals. Incoming pairs - 100; outgoing pairs - 100	each	80

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HEADQUARTERS ALLIED COMMISSION
APO 394
ECONOMIC SECTION

(1)

ROUTING AND WORK SHEET

Each note must be numbered and each space completely filled in. THIS WORK SHEET MUST NOT BE REMOVED FROM THE CORRESPONDENCE TO WHICH ATTACHED UNTIL ACTION IS COMPLETED AND THEN FILED WITH FILE COPIES OF COMMUNICATION TO WHICH IT PERTAINS. A line will be drawn the full width of the page under each note.

SUBJECT: Program of Essential Italian Imports 1945

No	Date	To	REMARKS	From
1.	24/4	Communications S/C	Attached requisitions AC-SIG-100-45, CLAC I-236, CLAC I-237, CLAC I-238, CLAC I-239, CLAC I-240, CLAC I-241, CLAC I-233, CLAC I-242, which have been submitted in the Program of Essential Italian Imports 1945, which are for your information. J.H. Allen E/S	

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Use other side

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In lieu of Q.M.C. Form No. 400

R E Q U I S I T I O N

PROGRAM OF ESSENTIAL ITALIAN IMPORTS 1945

Communications

Program I m

Requisition Number AC-SIG-100-45

To : Allied Force Headquarters

Date : 24 March 1945

Period : Special

Ship to : Italian ports to be detailed later

Consignee : Istituto Nazionale per il Commercio Estero (ICE)

REQUISITIONED BY:

F. W. TOOBY
Major, R. A.
Chief, Requisition Branch
Supply & Resources Division
Allied Commission

APPROVED BY:

E. B. McKINLEY
Brigadier General, U.S.A.
Deputy Vice President
Economic Section
Allied Commission

1765-316-SK.

Declassified E.O. 12356 Section 3.3/NND No. 785015

Period : Special

Ship to : Italian ports to be detailed later

Consignee : Istituto Nazionale per il Commercio Estero (ICE)

REQUISITIONED BY:

F. W. TOOBY
Major, R. A.
Chief, Requisition Branch
Supply & Resources Division
Allied Commission

APPROVED BY:

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Brigadier General, U.S.A.
Deputy Vice President
Economic Section
Allied Commission

M&S- 316-SK.

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PROGRAM OF ESSENTIAL ITALIAN IMPORTS 1945

COMMUNICATIONS

Requisition No. AC-SIC-100-45

See folio 3

Program I-m

Item No.	Article	Unit	Required
	IMPORT REQUIREMENTS OF SPECIFIC MATERIALS FOR THE COMMUNICATIONS SYSTEM, POSTAL TELEGRAPH TELEPHONE IN LIBERATED ITALY - 1945 PROGRAM		
1	Typewriters	No.	300
2	Adding machines, type MAD/S	"	100
3	Raincoats for linemen	"	3,000
4	Stamp Cancelling Machines (electrically operated)	"	30
5	Stamp Cancelling Machines (Hand operated)	"	100
~~6~~	~~Teletype Machines~~	"	50
7	Submarine Telegraph Cable (40 miles for deep water, 15 miles intermediate, 5 miles coastal use; 100/150 core)	Naut. Miles	60
8	Submarine telephone-type cable Krarup single cord	"	20
~~x 9~~	4-wire Amplifiers: 18 bays each equipped with 6 terminal amplifiers and 6 tap-type amplifiers; 6 bays each with 6 terminal amplifiers only, Total 4 w. amplifiers	No.	252
	NOTE: Above amplifiers must be of suitable characteristics for use on long distance cable with 0.9 m.m. conductors and H-44-55 loading		
~~x 10~~	2-wire amplifiers: 8 bays each with 8 amplifiers; 6 ditto each with 4 amplifiers Total 2 w. amplifiers	"	48
	NOTE: These amplifiers must be suitable for use on long distance cables 0.9 and 1.3 m.m. dia. and H-177-55 loading.		

Informed Exchange era in this word

x ... amplifiers with accessory systems (each

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	6	Steep Cancelling Machines (hand operated)		100
	7	Teletype machines		50
	7	Submarine Telegraph Cable (40 miles for deep water, 15 miles intermediate, 5 miles coastal Naut. use; 100/150 core)	Miles	60
	8	Submarine telephone-type cable Krarup single cord	"	20
	9	4-wire Amplifiers: 18 bays each equipped with 6 terminal amplifiers and 6 thru-type amplifiers; 6 bays each with 6 terminal amplifiers only, Total 4 W. amplifiers	No.	252
		NOTE: Above amplifiers must be of suitable characteristics for use on long distance cable with 0.9 m.m. conductors and H-44-44 loading		
	10	2-wire amplifiers: 3 bays each with 8 amplifiers; 6 ditto each with 4 amplifiers Total 2 W. amplifiers	"	48
		NOTE: These amplifiers must be suitable for use on long distance cables 0.9 and 1.3 m.m. dia. and H-177-88 loading.		
	11	Three channels high frequency systems (each system with 2 terminals) for high frequency equipment of aerial lines. It is requested that frequency bands if possible be over 60 Kilocycles	"	27
	12	Voice frequency 3 channels telegraph systems (each with two terminals) for equipment of aerial lines	"	14
	13	Automatic exchange apparatus, for 500 numbers, normal traffic	"	6
	14	Ditto for 1,000 numbers	"	3
	15	Ditto for 2,000 numbers	"	2

NOTE:

Above exchanges must be fitted with necessary main frames and test desks.

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Informal [illegible] error in line word

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Item No.	Article	Unit	Required
X 16	Centr. Battery Switchboards, 24 or 48 V for 1,400 numbers each composed of 5 sections (10 positions), 8 cords (with plugs). Each switchboard will include 40 junctions to other central battery switchboards and 20 junctions to local battery switchboards. All lines will have to be multipled on each section.	No.	2
	NOTE: Every switchboard must be fitted with main frame, 2 ringing machines, 5 breast type telephones for each position, and cable turning sections at each end of the board.		
17	Jumper Copper Wire (2 conductors each 6/10 mm.)	Km.	200
X 18	Sections for long distance 24 V. switchboards. Each section must have 2 operating positions, and must be equipped with strips of line lamps, "busy" indicator lamps, jack and associated lamps (strips of twenty lamps) for 200 lines per section		
	Multiple will be formed according to local needs; therefore the necessary cables will have to be supplied in coils. Each operating position must have 8 cords. Each section will include the complete equipment for these cord circuits and the operating circuits complete with dial and associated alarm circuits. It will also be fitted with a calculograph possibly of the number 1021786 R. 10597 of Calculograph Co., New York. Each operating position must also be fitted with timing devices, with electrical indication every three minutes and 12 minutes dial.		
	Total Sections	No.	30
19	Cord for long distance positions. 50,000 cords, approximate length 3 mt. without plugs, both ends prepared for taking plugs	Km.	100
20	Batteries of stationary type secondary cells each 100 ampere-hours capacity at 100 volts, with rectifiers for full charge in about 10 hours. Main supply: three phase 220 Volts, monophase 125 Volts, 42-50 cycles.	No.	10

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17	Jumper Copper Wire (2 conductors each 6/10 m.)	Km.	200
18	Sections for long distance Cd V. switchboards. Each section must have 2 operating positions, and must be equipped with strips of line lamps, "busy" indicator lamps, jack and associated lamps (strips of twenty lamps) for 200 lines per section Multiple will be formed according to local needs; therefore the necessary cables will have to be supplied in coils. Each operating position must have 8 cords. Each section will include the complete equipment for those cord circuits and the operating circuits complete with dial and associated alarm circuits. It will also be fitted with a calculograph possibly of the number 10:1786 R. 12567 of Calculograph Col, New York. Each operating position must also be fitted with timing devices, with electrical indication every three minutes and 12 minutes dial. Total Sections	No.	30
19	Cord for long distance positions. 50,000 cords, approximate length 2 mt. without plugs, both ends prepared for taking plugs	Km.	100
20	Batteries of stationary type secondary cells each 100 ampere-hours capacity at 100 volts, with rectifiers for full charge in about 10 hours. Main supply: three phase 220 Volts, monophase 125 Volts, 42-50 cycles.	No.	10
21	Standby sets - each composed of I.C. Engine coupled to a generator for charging above batteries to be used in case of mains breakdown.	"	10
22	Batteries of stationary type secondary cells, each 100 ampere-hours capacity, 220 Volts, with rectifiers for full charge in 10 hours. Mains supply: 220 Volts, threephase, 125 V. monophase, 42-50 cycles.	"	5
23	Batteries of stationary type secondary cells, 300 ampere-hours capacity 24-48-60 Volts.	"	10
24	Ditto, but 500 ampere-hours capacity	"	10
25	~~Manual type telephone sets (Local Battery) type~~	"	1,200
26	~~Dryccells for above~~	"	20,000

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Item No.	Article	Unit	Required	
27	Telephone Switchboard indicating lamps :			
	48 V	No.	15,000	
	24 V	"	12,000	
	10 V.	"	6,000	
	12 V	"	4,000	
28	Telephone cables for urban use Patterson type paper and air insulated and lead covered. 8/10 m/m copper conductors			
	a) for 600 pairs (4,000 mt.)	Km of pr.	2,400	
	b) " 400 " (1,200 mt.)	"	4,800	
	c) " 200 " (24,000 mt.)	"	4,800	
	d) " 100 " (30,000 mt.)	"	3,000	
	e) various quantities of cables for 10, 20, 30, 40, 50 pairs	"	9,000	
	f) Cables for 100 pairs cut with conductors 7/10 m/m. (10,000 mt. each couple)	Tota Km Couple	1,000 35,000	
29	Switchboard cable for multiples of urban switchboards, of various types	Km.	50	
30	Switchboard cable, round section capacity 2 x 20 and 3 x 20 for internal cabling of exchanges.	"	150	
31	Lead covered twin cable with copper conductors 6/10 m/m dia	"	500	
32	Bronze wire 3 m/m	Ton	200	Necessary
	Bronze wire 2 m/m	"	400	
33	Copper wire, tinned, for binding of conductors to insulators.	"	12	Necessary
34	Steel wire 6-8 mm for supporting of cables	"	20	
35	Cross con section cabinets for urban telephone networks, made of sheet steel, complete with terminals Incoming pairs - 100, outgoing pairs - 100	No.	80	
36	Complete outfits for linemans tools, climbing irons, insulation gloves, etc.	"	80	Necessary

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	d) " 100 " (30,000 mt.)	"	3,000	
	e) various quantities of cables for 10, 20, 30, 40, 50 pairs	"	9,000	
	f) Cables for 100 pairs out with conductors 7/10 m/m. (10,000 mt. each couple) Total	Km Couple	1,000 25,000	
29	Switchboard cable for multiples of urban switchboards, of various types	Km.	50	
30	Switchboard cable, round section capacity 2 x 20 and 3 x 20 for internal cabling of exchanges.	"	150	
31	Lead covered twin cable with copper conductors 6/10 m/m dia	"	500	
32	Bronze wire 3 m/m	Ton	200	Necessary
	Bronze wire 2 m/m	"	400	
33	Copper wire, tinned, for binding of conductors to insulators.	"	12	Necessary
34	Steel wire 6-8 mm for supporting of cables	"	20	
35	Cross connection cabinets for urban telephone networks, made of sheet steel, complete with terminals Incoming pairs - 100, outgoing pairs - 100	on	80	
36	Complete outfits for linemens tools, climbing irons, insulation gloves, etc.	"	80	Necessary

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JUSTIFICATION

Perhaps the most vulnerable part of any modern nation is its communication system. It is the nervous system of the country, linking political, military and industrial headquarters with thousands of municipal bodies, military installations and factories.

Communications in Italy are centered in and emanate from Rome. This made it a relatively easy matter for the Germans to disrupt the system which they did with characteristic thoroughness.

With the passing of administrative control of liberated Italy to the Italian Government the need for communication facilities separate from the military arrangements has become a matter of vital importance. The present lack of this essential has resulted in, for instance, news of importance to the Italian Government reaching it after considerable delay and then only via military channels. The report of the recent disturbances in Sicily is an example of this.

Part of the system of movements control instituted by the Allied Commission, is the securing of daily telegraphic reports from each of the dozens of ports which are operated by the Italians (including both relatively large civilian ports like Castellammare and Civitavecchia and smaller ports used chiefly for coastwise schooner traffic. When it was first instituted, the new system nearly broke down (and the movements control of essential civilian supplies nearly broke down with it) on the simple mechanical problem of communications -- the inability to transmit the necessary reports from the ports involved because of the destruction and disrepair of the telegraph and telephone systems. To the extent that this reporting system is now working effectively, military telephone and telegraph facilities are largely being used.

A program is already in hand to provide for the restoration of 3 percent of prewar communications facilities in the liberated portion of Italy. A requisition for imported communications equipment and supplies, to accomplish this purpose has been sent forward as MCS-184-SIC and has been approved by the Combined Civil Affairs Committee.

When this requisition was prepared, the important aspects of the civil affairs responsibility in liberated Italy were still being performed by military agencies, including the Allied Commission, which have the whole of the communications systems of the American and British Armies at their command. This responsibility has now been handed over to the Italians; but the Italian authorities start with almost nothing in the way of rapid communications. It is considered that restoration of communications facilities up to 20% of prewar level is now required. Without this limited restoration, the Italian Government will not be able to perform the essential functions of administration and consequently will be unable to control. It is therefore considered that the provision of the required communication facilities properly falls within the military responsibility as defined in FAM 457 and is accordingly so submitted.

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HEADQUARTERS ALLIED COMMISSION

MOC Airgram 34 : 25 March 1945

From : ALCOM CITE ACECO

TO : FOR CLAC

Subject : Program of essential Italian Imports 1945
Section II, Electric Power
Requisition Numbers CLAC I-236, Electrical Supply Industry
CLAC I-237, Motors & Transformers
CLAC I-238, Cables & Conductors
CLAC I-239, Switches & Brushes
CLAC I-240, Electric Light Bulbs
CLAC I-241, Insulators
CLAC I-233, Communications
CLAC I-242, Miscellaneous

SPECIAL PROGRAM : The items listed below are requested by the Italian Government for procurement and shipment to Italy as early as possible unless otherwise indicated below.

The Italian Government authorizes payment out of the fund established pursuant to the letter addressed by the Italian Minister for the Treasury to the U.S. Secretary of the Treasury on 20 January 1945 for such of the items listed below as shall be assigned for procurement to the United States.

Ship to : Italian ports to be detailed later

Consignee : Istituto Nazionale per Il Commercio Estero (ICE)

Shipping Markings : In accordance with WD Shipping Marking Directives; to include letters ICE and above Requisition Number.

Shipping Documents : It is requested that four copies of the Ocean Bill of

Declassified E.O. 12356 Section 3.3/NND No. 785015

Subject : Program of essential Italian imports 1945
Section II, Electric Power
Requisition Numbers CLAC I-236, Electrical Supply Industry
CLAC I-237, Motors & Transformers
CLAC I-238, Cables & Conductors
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Ship to : Italian ports to be detailed later

Consignee : Istituto Nazionale per Il Commercio Estero (ICE)

Shipping Markings : In accordance with WD Shipping Marking Directives; to include letters ICE and above Requisition Number.

Shipping Documents : It is requested that four copies of the Ocean Bill of Lading be sent by Air Mail to Economic Section, AC, immediately after ship sails.

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Program of Essential Italian Imports 1945

ELECTRIC POWER

Program No 11

Requisition Nos.	CLAC I-236	Electric Supply Industry
	237	Motors & Transformers
	238	Cables & Conductors
	239	Switches & Brushes
	240	Electric Light Bulbs
	241	Insulators
	233	Communications
	242	Miscellaneous

This program calls for materials and equipment designed to ensure a more efficient utilization of available electric power, especially for industrial purposes, and to provide for the effective transmission and utilization of additional electric power as the program for electric reconstruction goes ahead.

Italy has been a nation of abundant electricity; but much of the generating capacity has now been destroyed and the Italian Government is naturally anxious to make the fullest possible use of what is left or can be reconstructed.

The following paragraphs summarize the types of supplies requisitioned to aid in the production, transmission and efficient utilization of electric power in Liberated Italy.

ELECTRIC SUPPLY INDUSTRY

Program No.II-a-Requisition No. CLAC I-236

In general, two kinds of equipment or materials are required:

a) Maintenance, repair and operating supplies to be distributed or earmarked according to the most urgent demonstrated needs at the time they are delivered.

b) A variety of critically needed capital goods items to replace key items removed or destroyed by the Germans or rendered inoperative by fire.

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a) Maintenance, repair and operating supplies to be distributed or earmarked according to the most urgent demonstrated needs at the time they are delivered.

b) A variety of critically needed capital goods items to replace key items removed or destroyed by the Germans or rendered inoperative by fire.

The list of needs in the electric supply field have been made in the intention of including "common user" items as far as possible, so that they can be used in the North as well, if the need there is greater than that in Central or Southern Italy at the time the supplies actually arrive in Italy.

MOTORS

Program No.II-b-Requisition No.CLAC I-237

Italy before the war produced approximately 150,000 electric motors per year of all sizes and had in operation at that time about 1,500,000. (Exclusive of motors of less than 1/4 KW capacity). When occupied Italy is liberated it is foreseen that repair and construction of motors, due to high essentiality of this item, will be resumed almost immediately. Upon receipt

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of the necessary raw materials possibly 50% of Italy's pre-war manufacturing facilities can be placed in operation within a very short period of time. The plan, therefore, is to supplement this expected manufacturing program through the importation of some 60,000 motors of various sizes, primarily as replacements for motors removed or destroyed by the Germans. (See II-b). The removal or blowing up of key motors is one of the German specialties, as every industrial observer in Italy has remarked. The Germans took special care to blow all the comparable motors of the same size in an industry, in order to prevent cannibalization.

TRANSFORMERS

Program No. II-b-Requisition No. CL4C I-237

Considering that the removal and destruction by the Germans of Italy's transformer capacity is less serious than that of motors and the fact that there are two small transformer manufacturing plants in Liberated Italy that could start producing, were the necessary raw materials available, the import program covering this item has been reduced to only 1350 transformers of various types. The materials required by the transformer industry are included in Program No. II-c.

ELECTRIC CABLES AND CONDUCTORS

Program No. II-c-Requisition No. CL4C I-238

So that the repair of motors and transformers can be resumed as quickly as possible, the items shown under II-c are most urgently needed. These can be classed as maintenance, repair and operating supplies.

In addition finished submarine cables urgently needed for the transmission of electric power are included and should be classified as a capital expense item. They cannot be produced in Liberated Italy.

SWITCHES AND BRUSHES

Program No. II-d-Requisition No. CL4C I-239

(a) Three Pole Auto-Circuit Breakers

In order that Electric Energy may be harnessed and distributed for use it is most essential that this type of safety device be on hand.

Table 1 attached not only shows the estimated essential inventory re-

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Program No. II-b-Requisition No. CLAC I-237

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Program No. II-c-Requisition No. CLAC I-238

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Program No. II-d-Requisition No. CLAC I-239

(a) Three Pole Auto-Circuit Breakers

In order that Electric Energy may be harnessed and distributed for use it is most essential that this type of safety device be on hand.

Table 1 attached not only shows the estimated essential inventory requirements for both Liberated and Occupied Area as a minimum in order to start Italy on the "road" to recovery, but it also shows the quantities that should be considered (Column 1) as necessary for the immediate support of the transportation, electrical and industrial plant repair programs.

None of the items can at the present time be manufactured in Liberated Italy. It is important therefore that a quantity of these be obtained as soon as possible, held in jobbers hands, for quick distribution as needed.

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(b) Graphite Brushes

All electro-generating sets, slip ring motors, portable electric tube equipment such as drills, etc., must have frequent changes of brushes. These items are purely MRO material and in the consumption category. They are not replaceable or repairable but consumed and new ones must be readily available for replacement at any time.

It is most essential that an adequate supply of finished brushes be on hand to keep existing equipment operating and to make repaired apparatus operatable. There are no adequate facilities for the production of these items in Liberated Italy at the present time. The items, therefore, should be included and considered as urgent in this First-Aid program.

ELECTRIC LIGHT BULBS

Program No. II-e-Requisition CLAC I-240

Italy's pre-war production and consumption of this commodity was approximately 5,000,000 per month. The importation program includes only approximately 2½ months' normal supply of electric bulbs. At present, even the military have to import bulbs into Italy to meet their own needs, and there is no production. The import of finished bulbs is therefore necessary to utilize properly the small amounts of power available, especially in industrial and minimum home use. These amounts are geared to the amount of power expected to be available for lighting purposes.

INSULATORS

Program No. II-f-Requisition CLAC I-241

Most of the items under this Section II-f are for high tension heavy duty work; they are particularly needed for municipal and public works extensions. A portion of the requirements are however vitally needed for new plant extensions and for situations where lines are down and must be relocated and restrung to existing plant sites.

There are no manufacturing facilities in Liberated Italy for this type of high electric resistant porcelain. In Table 2. attached, are shown the list of items deemed by the Italian Government to be essential for both Liberated and Occupied Italy. In addition, under Column 1. are given the quantities of the various materials that are considered to be necessary to have available as soon

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on hand to keep existing equipment operating and to make repairs [illegible] operatable. There are no adequate facilities for the production of these items in Liberated Italy at the present time. The items, therefore, should be included and considered as urgent in this First-Aid program.

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Declassified E.O. 12356 Section 3.3/NND No. 785015

RESTRICTED

ELECTRICAL EQUIPMENT FOR COMMUNICATIONS FACILITIES

Program No. II-g-Requisition No. CLAC I-233

This section of the Program calls for electrical materials and equipment required for the maintenance, repair operation of communications facilities (telephone, telegraph, and radio).

All items included are critical maintenance or replacement equipment which it is necessary to have on hand so that they can be drawn from stock rapidly when and where required. Equipment such as magnets, Telefunken and Siemens valves, enameled copper wire, mica condensers, fuses, etc., is requested. All the items can be classed as MRO supplies with the exception of four (Items 6, 7, 18, and 19). These latter are capital goods and are to replace equipment destroyed during hostilities.

The general picture on communications systems in Italy is outlined in the Justification attached to Requisition No. AC-SIG-100-45 (Program No. I-m, Communications).

MISCELLANEOUS MATERIALS

Program No. II-h-Requisition CLAC I-242

The five items listed in this section are for linesmen doing repair and trouble-shooting in connection with communication lines. They are most essential and the quantities listed under Liberated Italy should be shipped as soon as possible.

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RESTRICTED

ELECTRIC POWER

(Program No. II - d)

TABLE 1

Circuit Breakers

ITEM	MATERIALS	UNIT	PRIORITY ALLOCATION OF SUPPLIES FOR LIBERATED ITALY 1st Priority (1)	2nd Priority (2)	ESTIM Lib. Italy (3)
1	Automatic three-pole switches- for 10 KV -- 250 Amp line (capable of hand operation and push button remote control)	ea.	250	500	750
2	Ditto for working voltage 25 KV	"	100	200	300
3	Ditto for working voltage 40 KV	"	100	350	450
4	Single pole current limiters :				
	For 0.35 Amp.	"	5,000	25,000	30,000
	" 0.50 "	"	10,000	50,000	60,000
	" 0.60 "	"	10,000	50,000	60,000
	" 1.0 "	"	10,000	50,000	60,000
	" 3.0 "	"	4,000	16,000	20,000
	" 5.0 "	"	4,000	16,000	20,000

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ELECTRIC POWER

(Program No. II - d)

TABLE 1

Circuit Breakers

UNIT	PRIORITY ALLOCATION OF SUPPLIES FOR LIBERATED ITALY 1st Priority (1)	2nd Priority (2)	ESTIMATED REQUIREMENTS Lib. Italy (3)	Occ. Italy (4)	Total (5)
ea.	250	500	750	1,800	2,550
"	100	200	300	750	1,050
"	100	350	450	1,100	1,550
"	5,000	25,000	30,000	80,000	110,000
"	10,000	50,000	60,000	150,000	210,000
"	10,000	50,000	60,000	150,000	210,000
"	10,000	50,000	60,000	150,000	210,000
"	4,000	16,000	20,000	40,000	60,000
"	4,000	16,000	20,000	40,000	60,000

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ELECTRIC POWER
(Program No. II - f)

TABLE 2

Insulators

Item No.	Materials	Unit	Priority Allocation of Supplies for Liberated Italy: 1st Priority (1)	2nd Priority (2)	Italian Gov. Lib. Italy (3)
1	Suspension insulators, bell type, complete with pin and split pin:				
	Working load 2500 Kgs.	Pa.	40,000	160,000	200,000
	" " 5500 "	"	10,000	40,000	50,000
2	Line insulators, rigid complete with caps:				
	For 40 Kv. working volt	"	20,000	80,000	100,000
	" 25 " " "		10,000	40,000	50,000
	" 10 " " "	"	40,000	160,000	200,000
3	Insulators for low voltage, complete caps:	"	200,000	300,000	500,000
4	Insulators for telephone line, complete with caps:	"	50,000	100,000	150,000
5	Open air insulators (lead-in insulators) for transformers and switches complete with body, insulator and joint:				
	For 10 Kv. working load	"	500	500	1,000
	" 25 " " "	"	500	500	1,000
	" 40 " " "	"	200	300	500
	" 66 " " "	"	100	200	300
	" 150 " " "	"	30	70	100

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ELECTRIC POWER
Program No. II - f)

TABLE 2

Insulators

Unit	Priority Allocation of Supplies for Liberated Italy 1st Priority (1)	2nd Priority (2)	Italian Gov. Essential Requirements Lib. Italy (3)	Occ. Italy (4)	TOTAL (5)
Fa.	40,000	160,000	200,000	500,000	700,000
"	10,000	40,000	50,000	125,000	175,000
"	20,000	80,000	100,000	275,000	325,000
"	10,000	40,000	50,000	120,000	170,000
"	40,000	160,000	200,000	500,000	700,000
"	200,000	300,000	500,000	120,000	620,000
"	50,000	100,000	150,000	370,000	520,000
ote					
ora)					
"	500	500	1,000	2,500	3,500
"	500	500	1,000	2,500	3,500
"	200	300	500	1,200	1,700
"	100	200	300	750	1,050
"	30	70	100	250	350

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ELECTRIC POWER (Cont.)
(Program No. II - f)

TABLE 2

Insulators

Item No.	Materials	Unit	Priority Allocation 1st priority (1)	Priority Allocation 2nd priority (2)	Italian Gov. Fac. Lib. Italy (3)	Italian Gov. Fac. Occ.
6	Elements for suspended or line suletors post-type for outdoor use. with fixing ring & accessories in order to build up multi columns, working voltage 60 Kv.	Ea.	600	2,400	3,000	7,
7	Supporting insulators for internal use, complete of ball and base:					
	For 10 Kv. working volt.	Ea.	5,000	25,000	30,000	22,
	" 25 " " "	"	600	3,400	4,000	10,
	" 40 " " "	"	800	4,200	5,000	12
8	Lead-in insulators with terminal ends for internal installations for:					
	10 Kv. working volt.	"	1,000	4,000	5,000	12
	25 " " "	"	300	1,200	1,500	2
	40 " " "	"	200	800	1,000	2
9	Lead-in insulators with terminal ends for open air installations for:					
	10 Kv. working volt.	"	100	400	500	
	25 " " "	"	100	400	500	
	40 " " "	"	100	400	500	

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ELECTRIC POWER (Cont.)
(Program No. II - f)

TABLE 2

Insulators

	Priority Allocation Unit	1st Priority (1)	2nd Priority (2)	Italian Gov. Essential Requirements Lib. Italy (3)	Occ. Italy (4)	TOTAL (5)
Pin type, indoor						
Accessories						
Line columns,	Ea.	600	2,400	3,000	7,500	10,500
Post, internal use,						
15 kv volt.	Ea.	5,000	25,000	30,000	22,000	52,000
5 " "	"	600	3,400	4,000	10,000	14,000
3 " "	"	800	4,200	5,000	12,000	17,000
Terminal stations for:						
15 kv volt.	"	1,000	4,000	5,000	12,000	17,000
5 " "	"	300	1,200	1,500	3,700	5,200
3 " "	"	200	800	1,000	2,500	3,500
Terminal ends for:						
15 kv volt.	"	100	400	500	1,200	1,700
5 "b "	"	100	400	500	1,200	1,700
3 " "	"	100	400	500	1,200	1,700

PROGRAM OF ESSENTIAL ITALIAN IMPORTS 1945

ELECTRIC POWER

Reqn. No. CLAC I-236
Program II-a

Repair Supplies

Item No.	Article	Unit	Required: Liberated Italy	Required: Occupied Italy	Total
	Raw Materials				
1.	Air drying vernish, for finishing of the coils of electircal equipment; high dielectric rigidity and good flexibility.	Ton	15	38	53
2.	Solvent for ditto	Ton	22	55	77
3.	Varnish (for further baking), must not soften at working temperature and it must allow the maximum expansion and contraction without cracking; high dielectric rigidity.	Ton	24	60	84
4.	Solvent for ditto	Ton	7	17	24
5.	Varnish bright, Sterling type; oil proof with high dielectric rigidity.	Ton	60	150	210
6.	Solvent for ditto	Ton	20	50	70
7.	Bakelite varnish	Ton	18	48	66
8.	Solvent for ditto	Ton	3	8	11

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1.	Air drying varnish, for finishing of the coils of electircal equipment; high dielectric rigidity and good flexibility.	Ton			
2.	Solvent for ditto	Ton	22	55	77
3.	Varnish (for further baking), must not soften at working temperature and it must allow the maximum expansion and contraction without cracking; high dielectric rigidity.	Ton	24	60	84
4.	Solvent for ditto	Ton	7	17	24
5.	Varnish bright, Sterling type; oil proof with high dielectric rigidity.	Ton	60	150	210
6.	Solvent for ditto	Ton	20	50	70
7.	Bakelite varnish	Ton	18	48	66
8.	Solvent for ditto	Ton	3	8	11
9.	Compound for impregnating the coils of eltern tors stator	Ton	24	60	84
10.	Solvent for ditto	Ton	4	10	14
11.	White cotton tape width 20mm - 25 mm - 30 mm equally distributed.	Feet	8,858,000	22,967,000	31,825,000
12.	Diagonal cotton tape (w. mm 20)	Feet	328,100	820,250	1,148,350
13.	Silk finish cotton tape (w. 20 mm - 25 mm - 30 mm) equally distributed.	Feet	9,843,000	24,607,500	34,450,500

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ELECTRIC POWER

Repair Supplies (continued)

Item No.	Article	Unit	Required: Liberated Italy	Required: Occupied Italy	Total
	Raw Materials				
14.	Sterling cotton tape, yellow (w. 25 mm, thickness 0.12 mm)	Ton	18	48	66
15.	Sterling tape, black (w. 25 mm, thickness 0.18 mm)	Ton	5	12	17
16.	Black adhesive tape	Feet	1,476,450	3,674,720	5,151,170
17.	Bituminous insulating tape	Feet	196,860	492,150	689,010
18.	Mica silk tape (w. 20/25 mm, equally distributed)	Feet	3,281,000	8,202,500	11,483,500
19.	Mica-paper compound coated tape, not lacquered - w. 20 mm, (15%) 25 mm (80%)	Feet	19,686,000	49,215,000	68,901,000
20.	Mica-paper tape, no compound, lacquered - w. 20/25 mm equally distributed.	Feet	9,843,000	24,607,500	34,450,500
21.	Sterling cloth, yellow hot oil resisting	Sq.ft.	215,200	164,050	379,250
22.	Mica sheets, for insulation tubes; thickness 0.12 - 0.15 mm.	Ton	200	500	700

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15.	Sterling tape, black (w. 25 mm, thickness 0.18 mm)	Ton	5	12	17
16.	Black adhesive tape	Feet	1,476,450	3,674,720	5,151,170
17.	Bituminous insulating tape	Feet	196,860	492,150	689,010
18.	Mica silk tape (w. 20/25 mm, equally distributed)	Feet	3,281,000	8,202,500	11,483,500
19.	Mica-paper compound coated tape, not lacquered - w. 20 mm, (15%) 25 mm (80%)	Feet	19,686,000	49,215,000	68,901,000
20.	Mica-paper tape, no compound, lacquered - w. 20/25 mm equally distributed.	Feet	9,843,000	24,607,500	34,450,500
21.	Sterling cloth, yellow hot oil resisting	Sq.ft.	215,200	164,050	379,250
22.	Mica sheets, for insulation tubes; thickness 0.12 - 0.15 mm.	Ton	200	500	700
23.	Micanite for isolation collectors laminated	Ton	2	5	7
24.	Clear mica flexible thickness 0.2 - 0.6 mm	Ton	15	37	52
25.	Rigid micanite 0.2 - 0.6	Ton	8	20	28
26.	Bakelite paper sheets:				
	Thickness 10 mm	Ton	35	90	125
	" 15 mm	"	10	25	35
	" 20 mm	"	10	25	35
	" 40 mm	"	10	25	35

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ELECTRIC POWER

Repair Supplies (continued)

Item No.	Article	Unit	Required: Liberated Italy	Required: Occupied Italy	Total
	Raw Materials				
27.	Bakelite: thickness 1-3 mm, equally distributed;	Ton	3	7	10
	thickness 5-7-10 equally distributed;	Ton	2	5	7
	thickness 25 mm, equally distributed.	Ton	1	3	4
28.	Bakelite cardboard tubes, inside diameter 10-15-20-30-50, equally distributed	Feet	16,405	39,372	55,777
29.	Rough, compressed cardboard for transformers, thickness 1-5 mm equally distributed.	Ton	24	60	84
30.	Prespann cardboard:				
	Thickness 0.2 mm	Ton	3	7	10
	" 0.5 mm	"	6	15	21
	" 2 mm	"	18	45	63
	" 4 mm	"	20	50	70
	" 10 mm	"	7	18	25
	" 20 mm	"	7	18	25
31.	Bakelite paper for transformer bags	Ton	6	15	21
32.	Bakelite paper, tape width - 25 mm	Feet	1,968,600	4,921,500	6,890,100
33.	Sterling yellow tube, inside diameter 1-2-5-10 mm equally distrib.	Feet	393,720	984,300	1,378,020

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	thickness 25 mm, equally distributed.	Ton	1	3	4
28.	Bakelite cardboard tubes, inside diameter 10-15-20-30-50, equally distributed	Feet	16,405	39,372	55,777
29.	Rough, compressed cardboard for transformers, thickness 1-5 mm equally distributed.	Ton	24	60	84
30.	Prespann cardboard:				
	Thickness 0.2 mm	Ton	3	7	10
	" 0.5 mm	"	6	15	21
	" 2 mm	"	18	45	63
	" 4 mm	"	20	50	70
	" 10 mm	"	7	18	25
	" 20 mm	"	7	18	25
31.	Bakelite paper for transformer bags	Ton	6	15	21
32.	Bakelite paper, tape width - 25 mm	Feet	1,968,600	4,921,500	6,890,100
33.	Sterling yellow tube, inside diameter 1-2-5-10 mm equally distrib.	Feet	393,720	984,300	1,378,020
34.	Phenelite insulating tube, outside diameter 20 mm, inside diameter 6 mm	Feet	820	2,050	2,870
35.	Bakelised cardboard tube, inside diameter 327 mm, outside diameter 417 mm, length 320 mm	Each	1,000	2,500	3,500
36.	Bakelised cardboard tube, inside diameter 41 mm, outside diameter 50 mm, length 68 mm	Each	2,000	5,000	7,000

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ELECTRIC POWER

Repair Supplies (continued)

Item No.	Article	Unit	Required: Liberated Italy	Required: Occupied Italy	Total
	Raw Materials				
37.	Cellulose paper band for insulating conductors, w. 15 mm (60%) w. 25 mm (40%)	Ton	7	18	25
38.	Insulating compound for cable ends:				
	Tension 10 kw.	Ton	150	370	520
	30 kw.	"	3[illegible]	75	95
	80 kw.	"	3	7	10
39.	Lacquered paper	Ton	3	8	11
40.	Paper to insulate laminated row sheets	Ton	0.750	1.9	2.650
41.	Lethercid thickness 0.2-1-5 mm, equally distributed	Ton	15	37	52
42.	Linoleum or supherite (cork compound) for hot oil gaskets, thickness 2-4-6 mm, equally distributed	Sq.ft.	103,800	269,880	373,680
43.	Reddits rolled sect. edges				
	mm 3 to 10	Lbs.	441		
	2.5 to 10	"	330		
	4 to 10	"	441		
	5 to 10	"	176		
44.	Tungsten wire to be drawn and wound in Italy - sect. 7-10 mm	Lbs.	441		

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38.	Insulating compound for cable ends:				
	Tension 10 kw.	Ton	150	370	520
	30 kw.	"	3[illegible]	75	95
	80 kw.	"	[illegible]	7	10
39.	Lacquered paper	Ton	3	8	11
40.	Paper to insulate laminated rov sheets	Ton	0.750	1.9	2.650
41.	Ixtheroid thickness 0.2-1-5 mm, equally distributed	Ton	15	37	52
42.	Linoleum or sugherite (cork compound) for hot oil gaskets, thickness 2-4-6 mm, equally distributed	Sq.ft.	103,800	269,880	373,680
43.	Peddits rolled sect. edges				
	mm 3 to 10	Lbs.	441		
	2.5 to 10	"	330		
	4 to 10	"	441		
	5 to 10	"	176		
44.	Tungsten wire to be drawn and wound in Italy - sect. 7-10 mm	Lbs.	441		
45.	Bright molybdenum bakelite or plastic coils of diam. 120 mm				
	sect. 0.050 mm	Feet	65,620		
	" 0.060 mm	"	164,050		
	" 0.070 mm	"	1,312,400		
	" 0.080 mm	"	656,200		
	" 0.090 mm	"	984,300		
	" 0.110 mm	"	656,200		
	" 0.120 mm	"	328,100		
	" 0.140 mm	"	328,100		
	" 0.15 mm	"	65,620		
	" 0.16 mm	"	65,620		
	" 0.20 mm	"	32,810		
	" 0.25 mm	"	32,810		

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ELECTRIC POWER

Repair Supplies (continued)

Item No.	Article	Unit	Required: Liberated Italy	Occupied Italy	Total
	Raw Materials				
46.	Regular electrodes: for vacuum, bulbs 0.12" - 3 du 0.18" cu-55 mm 0.18" cu-22 mm hK	Each	7,200,000		
	0.12" - 3 du 0.18" cu-55 mm - 0.18" cu - 24 mm hK	"	2,000,000		
	0.12" - 3 du 0.18" cu-62 mm 0.18" cu - 24 mm hK	"	1,200,000		
47.	Nickel electrodes, for gas filled bulbs 0.12" - 3 du 0.18" cu-62 mm 0.18" Ni - 28 mm hK	Each	1,200,000		
	0.12" - 3 du 0.18" cu-55 mm 0.20" Ni - 44 mm hK	"	600,000		
	0.12" - 3 du 0.18" cu-62 mm 0.22" Ni - 44 mm hK	"	400,000		
	0.12" - 3 du 0.18" cu-62 mm 0.22" Ni - 70 mm hK	"	240,000		
	0.16" 4 du 0.22" cu - 90 mm 0.34" Ni - 111 mm hK	"	240,000		
	0.16" 4 du 0.22" cu - 90 mm 0.36" Ni - 111 mm hK	"	120,000		

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55 mm - 0.18" cu - 24 mm hK	"	2,000,000	
0.12" - 3 du 0.18" cu- 62 mm 0.18" cu - 24 mm hK	"	1,200,000	

47. Nickel electrodes.

for gas filled bulbs 0.12" - 3 du 0.18" cu- 62 mm 0.18" Ni - 28 mm hK	Each	1,200,000	
0.12" - 3 du 0.18" cu- 55 mm 0.20" Ni - 44 mm hK	"	600,000	
0.12" - 3 du 0.18" cu- 62 mm 0.22" Ni - 44 mm hK	"	400,000	
0.12" - 3 du 0.18" cu- 62 mm 0.22" Ni - 70 mm hK	"	240,000	
0.16" 4 du 0.22" cu - 90 mm 0.34" Ni - 111 mm hK	"	240,000	
0.16" 4 du 0.22" cu - 90 mm 0.36" Ni - 111 mm hK	"	120,000	
0.12" - 3 du 0.18" cu- 55 mm 0.25" Ni - 70 mm hk	"	120,000	
0.16" - 4 du 0.20" cu- 80 mm 0.30" Ni - 90 mm hK		240,000	

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ELECTRIC POWER

Repair Supplies (continued)

Item No.	Article	Unit	Required: Liberated Italy	Required: Occupied Itely	Total
	Raw Materials				
48.	Tungsten wire for vacuum bulbs "Non-sag" Pisduram type: weight (mgr/200 mm):				
	0.72)	Feet	393,720		
	0.90)	"	2,952,900		
	1.16) expressed in	"	2,952,900		
	1.85) mg per 200 mm	"	1,640,500		
	2.59)	"	2,952,900		
	1.28)	"	2,165,460		
	2.10)	"	196,860		
49.	Tungsten wire for Argon gas bulbs (mgr/200 mm):				
	3.05)	Feet	2,952,900		
	5.64)	"	196,860		
	6.21)	"	1,640,500		
	8.45) expressed in	"	196,860		
	12.40) mg per 200 mm	"	984,300		
	14.40)	"	131,240		
	30.30)	"	656,200		
	51.80)	"	196,860		
	102)	"	98,430		
50.	Pure Argon gas containers for gas bulbs	Each	300		

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0.90)		"	2,952,900
1.16)	expressed in	"	2,952,900
1.85)	mg per 200 mm	"	1,640,500
2.59)		"	2,952,900
1.28)		"	2,165,460
2.10)		"	196,860

49. Tungsten wire for Argon gas bulbs (mgr/200 mm):

3.05)		Feet	2,952,900
5.64)		"	196,860
6.21)		"	1,640,500
8.45)	expressed in	"	196,860
12.40)	mg per 200 mm	"	984,300
14.40)		"	131,240
30.30)		"	656,200
51.80)		"	196,860
102)		"	98,430

50. Pure Argon gas containers, for gas bulbs — Each — 300

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ELECTRIC POWER

Repair Supplies (continued)

	Class of Power	Quantity	Power in KW.	Type of Motor ELECTRIC MOTORS	Number of Poles	Total Power
51.	0.25 - 0.5....	11,000	0.3	C.C.(1)	4	3,300
52.	0.5 - 1.....	600	0.6	C.C.	2	360
		5,500	0.6	C.C.	4	3,300
		500	0.6	C.C.	6	300
		550	1	C.C.	2	550
		4,800	1	C.C.	4	4,800
		450	1	C.C.	6	450
53.	1.1 - 3.....	1,750	1.2	C.C.	2	2,100
		2,500	1.2	C.C.	4	3,000
		450	1.2	C.C.	6	540
		2,800	1.8	C.C.	2	5,040
		13,000	1.8	C.C.	4	23,400
		650	1.8	C.C.	6	1,170
		800	3	C.C. (2)	2	2,400
		3,200	3	C.C.	4	9,600
		200	3	C.C.	6	600
54.	3.1 - 10.....	540	4.5	C.C.	2	2,430
		1,800	4.5	C.C.	4	8,100
		400	4.5	C.C.	6	1,800
		320	3	A.A. (3)	4	960
		200	3	A.A.	6	600
		750	4.5	A.A.	4	3,375

(1) Squirrel cage
(2) Double squirrel cage
(3) Wound motor

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ELECTRIC POWER

Repair Supplies (continued)

Power in KW.	Type of Motor ELECTRIC MOTORS	Number of Poles	Total Power	Corresponding Motor C.E.Co. 220/60 Type	Horsepower
0.3	C.C.(1)	4	3.300	KT	0.5
0.6	C.C.	2	360		1
0.6	C.C.	4	3.300		1
0.6	C.C.	6	360		1
1	C.C.	2	550		1.5
1	C.C.	4	4.800		1.5
1	C.C.	6	450		1.5
1.2	C.C.	2	2.100		2
1.2	C.C.	4	3.000		2
1.2	C.C.	6	540		2
1.8	C.C.	2	5.040		3
1.8	C.C.	4	23.400		3
1.8	C.C.	6	1.170		3
3	C.C. (2)	2	2.400		5
3	C.C.	4	9.600		5
3	C.C.	6	600		5
4.5	C.C.	2	2.430		7.5
4.5	C.C.	4	8.100		7.5
4.5	C.C.	6	1.800		7.5
3	A.A. (3)	4	960	MT	5
3	A.A.	6	600	with	5
4.5	A.A.	4	3.375	rheostat	7.5

squirrel-cage induction motors

Declassified E.O. 12356 Section 3.3/NND No. 785015

PROGRAM OF ESSENTIAL ITALIAN IMPORTS 1945

ELECTRIC POWER

Reqn. No. CLAC I-237

Motors and Transformers

Item No.	Class of Power	Quantity	Power in HP.	Type of Motor	Number of Poles	Total Power	Co Motor T
				ELECTRIC MOTORS			
1.	0.25-0.5.....	11,000	0.3	c.c. (1)	1	3,300	KI
2.	0.5 -1.....	600	0.6	c.c.	2	360	
		5,500	0.6	c.c.	1	3,300	
		500	0.6	c.c.	6	360	
		550	1	c.c.	2	550	
		4,800	1	c.c.	4	4,800	
		450	1	c.c.	6	450	
3.	1.1 -3.....	1,750	1.2	c.c.	2	2,100	
		2,500	1.2	c.c.	4	3,000	
		450	1.2	c.c.	6	540	
		2,800	1.8	c.c.	2	5,040	
		13,000	1.8	c.c.	4	23,400	
		650	1.8	c.c.	6	1,170	
		800	3	c.c. (2)	2	2,400	
		3,200	3	c.c.	4	9,600	
		200	3	c.c.	6	600	
4.	3.1 -10.....	540	4.5	c.c.	2	2,430	
		1,800	4.5	c.c.	4	8,100	
		400	4.5	c.c.	6	1,800	
		320	3	A.A. (3)	4	960	
		200	3	A.A.	6	600	
		750	4.5	A.A.	4	3,375	

squirrel-cage induction motors

(1) Squirrel cage
(2) Double squirrel cage
(3) Wound rotor

Declassified E.O. 12356 Section 3.3/NND No. 785015

PROGR. OF ESSENTIAL IT. AN IMPORTS 1945

ELECTRIC POWE

Reqn. No. CLAC I-237

Motors and Transformers

tity	Power in KW.	Type of Motor ELECTRIC MOTORS	Number of Po.	Total Pow.	Corresponding Motor G.E. o. 220/60 Type	Horsepower
000	0.3	C.C. (1)	1	3.300	KT	0.5
600	0.6	C.C.	2	360		1
500	0.6	C.C.	4	3.300		1
600	0.6	C.C.	6	360		1
550	1	C.C.	2	550		1.5
800	1	C.C.	4	4.800		1.5
450	1	C.C.	6	450		1.5
750	1.2	C.C.	2	2.100		2
500	1.2	C.C.	4	3.000		2
450	1.2	C.C.	6	540		2
800	1.8	C.C.	2	5.040		3
000	1.8	C.C.	4	23.400		3
650	1.8	C.C.	6	1.170		3
400	3	C.C. (2)	2	2.400		5
200	3	C.C.	4	9.600		5
200	3	C.C.	6	600		5
340	4.5	C.C.	2	2.430		7.5
800	4.5	C.C.	4	8.100		7.5
600	4.5	C.C.	6	1.800		7.5
320	3	A.A. (3)	4	960	MT	5
200	3	A.A.	6	600	with	5
350	4.5	A.A.	4	3.375	rheostat	7.5

squirrel-cage induction motors

Declassified E.O. 12356 Section 3.3/NND No. 785015

Item No.	Class of Power	Quantity	Power in KW.	Type of Motor ELECTRIC MOTORS	Number of Poles	Total Power
5.	3.1 - 10.....	750	4.5	A.C.	6	3,375
		1,000	6	A.C.	4	6,000
		1,500	9	A.C.	6	9,000
		420	9	A.C.	4	3,780
		600	9	A.C.	6	5,400
6.	10.1 - 50.....	270	12	A.C.	4	3,240
		190	12	A.C.	6	2,280
		60	12	A.C.	8	720
		270	15	A.C.	4	4,050
		190	15	A.C.	6	2,850
		60	15	A.C.	8	900
		270	18	A.C.	4	4,860
		190	18	A.C.	6	3,420
		60	18	A.C.	8	1,080
		270	24	A.C.	4	6,480
		190	24	A.C.	6	4,560
		60	24	A.C.	8	1,440
		150	30	A.C.	6	4,500
		45	30	A.C.	8	1,350
		75	36	A.C.	6	2,700
		25	36	A.C.	8	900
		75	45	A.C.	6	3,375
		25	45	A.C.	8	1,125
		45	60	A.C.	6	2,700
7.	50.1 - 100.....	75	60	A.C.	8	4,500
		25	75	A.C.	6	1,875
		35	75	A.C.	8	2,625
		12	90	A.C.	6	1,080
		20	90	A.C.	8	1,800
		59,717				170,200

Declassified E.O. 12356 Section 3.3/NND No. 785015

ELECTRIC POWER
Motors and Transformers

Quantity	Power in KW.	Type of Motor ELECTRIC MOTORS	Number of Poles	Total Power	Corresponding Motor G.E.Co. 220/60 Type	Horsepower
750	4.5	Ashe	6	3,375	CD 1.11	7.5
1,000	6	Ashe	4	6,000	IRD with	10
1,500	9	Ashe	6	9,000	Rheostat	10
420	9	Ashe	4	3,780	CD	15
600	9	Ashe	6	5,400		15
						20
270	12	Ashe	4	3,240		20
190	12	Ashe	6	2,280		20
60	12	Ashe	8	720		25
270	15	Ashe	4	4,050		25
190	15	Ashe	6	2,850		25
60	15	Ashe	8	900		30
270	18	Ashe	4	4,860		30
190	18	Ashe	6	3,420		30
60	18	Ashe	8	1,080		40
270	24	Ashe	4	6,480		40
190	24	Ashe	6	4,560		40
60	24	Ashe	8	1,440		50
150	30	Ashe	6	4,500		50
45	30	Ashe	8	1,350		60
75	36	Ashe	6	2,700		60
25	36	Ashe	8	900		75
75	45	Ashe	6	3,375		75
25	45	Ashe	8	1,125		100
45	60	Ashe	6	2,700		
						100
75	60	Ashe	8	4,500		125
25	75	Ashe	6	1,875		125
35	75	Ashe	8	2,625		150
12	90	Ashe	6	1,080		
20	90	Ashe	8	1,800		
				170,200		

59,717

Squirrel cage induction motors

Declassified E.O. 12356 Section 3.3/NND No. 785015

ELECTRIC POWER

Motors and Transformers

NOTE: The first shipment of motors must be constructed with external terminals with 12 terminals in or following working conditions:

	50 Periods		45 Periods	
	Delta	Star	Delta	Star
Parallel circuit	138-150-152	238-250-262	124-130-136	214-220-240
Serial circuit	276-289-304	475-500-525	248-260-273	428-450-480

Item No.	Materials	Quantity No.	Power	Total Power	Remar
8.	Transformers	400	50	20,000	The transformer mus
		500	100	50,000	columns, divided in
		300	150	45,000	which could be con
		150	200	30,000	or in parallel and
		1,350		145,000	nected between each
					These operations w
					ing the transform
					The secondary must
					with two taps at l
					oil bath.
					Neutral supported
					located outside th

Frequency - 50 Per

Declassified E.O. 12356 Section 3.3/NND No. 785015

ELECTRIC POWER

Motors and Transformers

55 Cs

...s must be constructed with external terminals with 12 terminals in order to fulfill ...as:

50 Periods		45 Periods		42 Periods	
Delta	Star	Delta	Star	Delta	Star
...8-150-152	238-250-262	124-130-136	214-220-240	118-125-132	200-220-229
...76-289-304	475-500-525	248-260-273	428-450-480	230-250-264	400-440-457

Quantity No.	Power	Total Power	Remarks
400	50	20,000	The transformer must be built with primary columns, divided in two parts of 9000 volts which could be connected either in series or in parallel and in the three columns connected between each other in star or delta. These operations would be effected extracting the transformer from the casing.
500	100	50,000	
900	150	45,000	
150	200	30,000	
1,350		145,000	

The secondary must be of 240 volts, starlike with two taps at 10% supported by clamps in oil bath.

Neutral supported on external insulator located outside the casing.

Frequency - 50 Periods

PROGRAM OF ESSENTIAL ITALIAN IMPORTS 1945

ELECTRIC POWER

Reqn. No. CLAC I-238

Program II-8

Cables and Conductors

Item No.	Article	Unit	Required: Liberated Italy	Required: Occupied Italy	Total
	Raw Materials				
1.	Lead covered copper cable: rubber insulated, two conductor, working voltage 2,000 V:				
	Section sq. mm. 2.5	Feet	393,720	984,300	1,378,020
	" " 5	"	246,075	590,580	836,655
	" " 10	"	196,860	492,150	689,010
	" " 16	"	147,675	360,910	508,555
2.	Lead covered copper cable: wrapped with tarred jute and reinforced, paper insulated, four conductor, working voltage 2,000 V:				
	Section sq. mm. 3½ x 25	Feet	49,215	121,397	170,612
	" " 3½ x 50	"	98,430	246,075	344,505
	" " 3½ x 100	"	49,215	121,397	170,612
	" " 3½ x 150	"	49,215	121,397	170,612
3.	Lead covered copper cable: covered with tarred jute and reinforced, three conductor, working voltage 15 KV:				
	Section sq. mm. 25	Feet	738,225	1,837,360	2,575,585
	" " 50	"	738,225	1,837,360	2,575,585
	" " 100	"	196,860	492,150	689,010
	" " 150	"	49,215	121,397	170,612
	" " 200	"	3,281	8,202	11,483
4.	Copper wire, rubber and textile insulated, working voltage 600 V:				
	Section sq. mm. 2	Feet	4,921,500	12,139,700	17,061,200
	" " 4	"	19,686,000	49,215,000	68,901,000

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2.	Lead covered copper cable: wrapped with tarred jute and reinforced, paper insulated, four conductor, working voltage 2,000 V:				
	Section sq. mm. 3½ x 25	Feet	49,215	121,397	170,612
	" " 3½ x 50	"	98,430	246,075	344,505
	" " 3½ x 100	"	49,215	121,397	170,612
	" " 3½ x 150	"	49,215	121,397	170,612
3.	Lead covered copper cable: covered with tarred jute and reinforced, three conductor, working voltage 15 KV:				
	Section sq. mm. 25	Feet	738,225	1,837,360	2,575,585
	" " 50	"	738,225	1,837,360	2,575,585
	" " 100	"	196,860	492,150	689,010
	" " 150	"	49,215	121,397	170,612
	" " 200	"	3,281	8,202	11,483
4.	Copper wire, rubber and textile insulated, working voltage 600 V:				
	Section sq. mm. 2	Feet	4,921,500	12,139,700	17,061,200
	" " 4	"	19,686,000	49,215,000	68,901,000
	" " 8	"	4,921,500	2,139,700	7,061,200
5.	Stranded copper conductor: Textile and rubber insulated, working voltage 600 V:				
	Section sq. mm. 16	Feet	196,860	492,150	689,010
	" " 25	"	196,860	492,150	689,010
	" " 50	"	196,860	492,150	689,010
6.	Small lead-covered cable: rubber insulated, two conductor, working voltage 600 V:				
	Section sq. mm. 1	Feet	984,300	2,296,700	3,281,000
	" " 2	"	1,968,600	4,921,500	6,890,100
	" " 5	"	1,968,600	4,921,500	6,890,100
	" " 16	"	984,300	2,296,700	3,281,000
	" " 25	"	98,430	229,670	328,100

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ELECTRIC POWER

Cables and Conductors

Item No.	Article Raw Materials	Unit	Required Liberated Italy	 Occupied Italy	 Total
7.	Enamelled copper wire for windings, diameters from 2/10 to 10/10 in equal quantity	Tons	6	15	21
8.	Bare copper wire:				
	Section sq. mm. 4	Feet	9,843,000	22,967,000	32,810,000
	" " 6	"	9,843,000	22,967,000	32,810,000
	" " 10	"	9,843,000	22,967,000	32,810,000
	" " 15	"	19,686,000	49,215,000	68,901,000
	" " 20	"	19,686,000	49,215,000	68,901,000
	" " 35	"	19,686,000	49,215,000	68,901,000
9.	Stranded copper conductor:				
	Section sq. mm. 50	Feet	9,843,000	22,967,000	32,810,000
	" " 75	"	738,225	1,837,360	2,575,585
	" " 95	"	4,921,500	12,139,700	17,061,200
10.	Copper conductor "Anaconda" type	Feet	656,200	1,640,500	2,296,700
11.	Galvanized steel rope, constitution 7 x 3 mm. for earthing purposes	Feet	1,640,500	4,101,250	5,741,750
12.	Aluminium-steel conductor: characteristics - steel core 26 x 3.42 aluminium 7 x 2.66	Feet	393,720	894,300	1,378,020

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	" " 35	"	19,686,000	49,215,000	68,901,000
9.	Stranded copper conductor:				
	Section sq. mm. 50	Feet	9,843,000	22,967,000	32,810,000
	" " 75	"	738,225	1,837,360	2,575,585
	" " 95	"	4,921,500	12,139,700	17,061,200
10.	Copper conductor "Anaconda" type	Feet	656,200	1,640,500	2,296,700
11.	Galvanized steel rope, constitution 7 x 3 mm. for earthing purposes	Feet	1,640,500	4,101,250	5,741,750
12.	Aluminium-steel conductor: characteristics - steel core 26 x 3.42 aluminium 7 x 2.66	Feet	393,720	894,300	1,378,020

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RESTRICTED RESTRICTED

PROGRAM OF ESSENTIAL ITALIAN IMPORTS 1945

ELECTRIC POWER

Requisition Number CLAC I-239

Program II-d

Switches & Fittings

Item No.	Article	Unit	Required Lib.Italy	Occ.Italy	Total
1	Three pole automatic breakers Working voltage: 10 KV - Amp. 250- with hand control suitable for insertion of	ea.	750	1,800	2,550
2	Ditto for working voltage KV 25	"	300	750	1,050
3	Ditto for working voltage KV 40	"	450	1,100	1,550
4	Single pole current limiters:				
	For 0.35 AMP.	"	30,000	80,000	110,000
	" 0.50 AMP.	"	60,000	150,000	210,000
	" 0.60 AMP.	"	60,000	150,000	210,000
	" 1 AMP.	"	60,000	150,000	210,000
	" 3 AMP.	"	20,000	40,000	60,000
	" 5 AMP.	"	20,000	40,000	60,000
	"				
5	Graphite brushes for commutators and steel rings (PM6 Morgan Type) with either one or two attachments:				
	mm. 30 x 30 x 30 (Sketch 1)	"	5,000	12,500	17,500
	" 35 x 30 x 20 (" 2)	"	300	750	1,050
	" 30 x 30 x 20 (" 3)	"	500	1,250	1,750
	" 50 x 32 x 40 (" 4)	"	4,000	10,000	14,000
	" 35 x 22 x 12 (" 5)	"	250	625	875
	" 50 x 32 x 36 (" 6)	"	1,500	3,750	2,250
	" 30 x 20 x 10 (" 14)	"	150	375	525

Note: First dimension is height, the second one length measured

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1	Three pole automatic breakers Working voltage: 10 KV - Amp. 250- with hand control suitable for insertion of	ea.	750	1,800	2,550
2	Ditto for working voltage KV 25	"	300	750	1,050
3	Ditto for working voltage KV 40	"	450	1,100	1,550
4	Single pole current limiters:				
	For 0.35 AMP.	"	30,000	80,000	110,000
	" 0.50 AMP.	"	60,000	150,000	210,000
	" 0.60 AMP.	"	60,000	150,000	210,000
	" 1 AMP.	"	60,000	150,000	210,000
	" 3 AMP.	"	20,000	40,000	60,000
	" 5 AMP.	"	20,000	40,000	60,000
	"				
5	Graphite brushes for commutators and steel rings (PM6 Morgan Type) with either one or two attachments:				
	mm. 30 x 30 x 30 (Sketch 1)	"	5,000	12,500	17,500
	" 35 x 30 x 20 (" 2)	"	300	750	1,050
	" 30 x 30 x 20 (" 3)	"	500	1,250	1,750
	" 50 x 32 x 40 (" 4)	"	4,000	10,000	14,000
	" 35 x 22 x 12 (" 5)	"	250	625	875
	" 50 x 32 x 36 (" 6)	"	1,500	3,750	2,250
	" 30 x 20 x 10 (" 14)	"	150	375	525

Note: First dimension is height, the second one length measured parallel to the shaft of the machine, the third one is thickness. Sketches refer to the driv. 5414, 5387, 5336.

6	Electrographite brushes for copper segments commutators (Morgan EG3 Type) for periferal speed up to 10 m/sec. with one end:				
	mm. 30 x 30 x 12 with one couple of pigtails on the cap (Sketch 7)	"	1,000	2,500	3,500
	mm. 35 x 30 x 20 with 2 couples of pigtails on the cap (Sketch 2)	"	150	375	525
	mm. 30 x 25 x 10 with two couples of pigtails on the cap (Sketch 8)	"	500	1,250	1,750

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Item No.	Article	Unit	Required Lib.Italy	Occ.Italy	Total
	mm. 60 x 55 x 32 Ditto (Sketch 9)	En.	2,000	5,000	7,000
	" 35 x 32 x 25 " (" 10)	"	2,500	5,750	9,250
	" 38 x 13 x 15 " (" 11)	"	250	725	975
	" 50 x 32 x 12 " (" 12)	"	400	1,000	1,400
	" 30 x 30 x 15 " (" 13)	"	250	725	975
	" 30 x 20 x 10 " (" 22)	"	250	725	975
*7	Electrographite brushes for copper segment commutators (Morgan S.C.12 Type) for peripheral speed above 10 m/sec:				
	mm. 30 x 30 x 25 (Sketch 15)	En.	2,500	6,750	9,250
	" 30 x 30 x 20 (" 7 bis)	"	4,000	10,000	14,000
	" 50 x 32 x 16 (" 17)	"	500	1,250	1,750
	" 60 / 55 x 32x19 (" 18)	"	1,500	3,750	5,250
	" 55 x 18 x 25 (" 19)	"	1,500	3,750	5,250
	" 60 / 46 x 32x16 (" 20)	"	1,700	4,250	5,950
	" 58 x 32 x 13 (" 21)	"	1,400	3,500	4,900
	" 30 x 20 x 15 (" 23)	"	1,100	2,750	3,850
	" 30 x 20 x 10 (" 24)	"	1,100	2,750	3,850
	*Note: The first dimension is the height, the second one is the length measured parallel to the shaft of the machine, the third one is the thickness. Sketches refer to the driv. 5414, 5387, 5386.				
8	Metal-graphite brushes without attachments dimension				
	mm. 30 x 30 x 20	En.	250	625	875
	" 20 x 15 x 15	"	150	375	525
	" 50 x 50 x 15	"	100	250	350
	" 100 x 100 x 20	"	100	250	350

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" 58 x 32 x 13	" 21)	"	1,400	3,500	4,900
" 30 x 20 x 15	" 23)	"	1,100	2,750	3,850
" 30 x 20 x 10	" 24)	"	1,100	2,750	3,850

*Note: The first dimension is the height, the second one is the length measured parallel to the shaft of the machine, the third one is the thickness.
Sketches refer to the driv. 5414, 5387, 5336.

8 Metal-graphite brushes without attachments dimension				
mm. 30 x 30 x 20	Ea.	250	625	875
" 20 x 15 x 15	"	150	375	525
" 50 x 50 x 15	"	100	250	350
" 100 x 100 x 20	"	100	250	350

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PROGRAM OF ESSENTIAL ITALIAN IMPORTS 1945

ELECTRIC POWER

Recon. No. CLAC I-240
Program II-e

Electric Bulbs

Item No.	Materials	Unit	Quantity
1.	Type for lighting in series, for public utility:		
	Amp. 7.5 Volt 6 Lumen 600	Each	70,000
	" 7.5 " 7 " 800	"	75,000
	" 7.5 " 16 " 2000	"	35,000
	" 9.6 " 7 " 1000	"	150,000
	" 9.6 " 12 " 2000	"	110,000
	" 20. " 26 " 10000	"	10,000
2.	Shunt type with Edison plug for public and domestic utility:		
	15 Watt 110 Volt	Each	250,000
	15 " 125 "	"	500,000
	15 " 160 "	"	500,000
	25 " 110 "	"	1,000,000
	25 " 125 "	"	2,000,000
	25 " 160 "	"	2,000,000
	40 " 110 "	"	750,000
	40 " 125 "	"	1,500,000
	40 " 160 "	"	1,625,000
	60 " 110 "	"	125,000
	60 " 125 "	"	500,000
	60 " 160 "	"	500,000
	60 " 220 "	"	125,000
	100 " 110 "	"	75,000
	100 " 125 "	"	300,000
	100 " 160 "	"	300,000
	100 " 220 "	"	75,000
	200 " 110 "	"	12,500
	200 " 125 "	"	50,000
	200 " 160 "	"	50,000
	200 " 220 "	"	12,500
	300 " 110 "	"	12,500
	300 " 125 "	"	50,000
	300 " 160 "	"	50,000
			12,500

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"	9.6	"	7	"	1000	"	110,000
"	9.6	"	12	"	2000	"	10,000
"	20.	"	26	"	10000	"	

2. Shunt type with Edison plug for public and domestic utility:

15	Watt	110	Volt	Each 250,000
15	"	125	"	" 500,000
15	"	160	"	" 500,000
25	"	110	"	" 1,000,000
25	"	125	"	" 2,000,000
25	"	160	"	" 2,000,000
40	"	110	"	" 750,000
40	"	125	"	" 1,500,000
40	"	160	"	" 1,625,000
60	"	110	"	" 125,000
60	"	125	"	" 500,000
60	"	160	"	" 500,000
60	"	220	"	" 125,000
100	"	110	"	" 75,000
100	"	125	"	" 300,000
100	"	160	"	" 300,000
100	"	220	"	" 75,000
200	"	110	"	" 12,500
200	"	125	"	" 50,000
200	"	160	"	" 50,000
200	"	220	"	" 12,500
300	"	110	"	" 12,500
300	"	125	"	" 50,000
300	"	160	"	" 50,000
300	"	220	"	" 12,500

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ELECTRIC POWER

Requisition Number CLAC I-241

Program II-f

Insulators

Item No.	Materials	Unit	Quantity Lb.Italy	Quantity Occ.Italy	Total
1	Suspension insulators, bell type, complete with pin and split pin:				
	Working load 2500 Kgs.	Ea.	200,000	500,000	700,000
	Working load 5500 Kgs.	Ea.	50,000	125,000	175,000
2	Line insulators, rigid complete with caps:				
	For 40 KV. working volt.	"	100,000	225,000	325,000
	" 25 " " "	"	50,000	120,000	170,000
	" 10 " " "	"	200,000	500,000	700,000
3	Insulators for low voltage, complete with caps:	"	500,000	120,000	620,000
4	Insulators for telephone line, complete with caps:	"	150,000	370,000	520,000
5	Open air insulators (lead-in insulators) for transformers and switches complete with body, insulator and joint:				
	For 10 Kv. working load	"	1,000	2,500	3,500
	" 25 " " "	"	1,000	2,500	3,500
	" 40 " " "	"	500	1,200	1,700
	" 66 " " "	"	300	750	1,060
	" 150 " " "	"	100	250	350
6	Elements for suspended or line supporting insulators post-type for outdoor use, with fixing ring and accessories in order to build up multi columns, working voltage 66 Kv.	"	3,000	7,500	10,500
7	Supporting insulators for internal use, complete of bell and base:				
	For 10 Kv. working volt.	"	30,000	22,000	32,000
	For 25 Kv. working volt.	"	4,000	10,000	14,000

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2	Line insulators, rigid complete with caps:				
	For 40 KV. working volt.	"	100,000	225,000	325,000
	" 25 " " "	"	50,000	120,000	170,000
	" 10 " " "	"	200,000	500,000	700,000
3	Insulators for low voltage, complete with caps:	"	500,000	120,000	620,000
4	Insulators for telephone line, complete with caps:	"	150,000	370,000	520,000
5	Open air insulators (lead-in insulators) for transformers and switches complete with body, insulator and joint:				
	For 10 Kv. working load	"	1,000	2,500	3,500
	" 25 " " "	"	1,000	2,500	3,500
	" 40 " " "	"	500	1,200	1,700
	" 66 " " "	"	300	750	1,060
	" 150 " " "	"	100	250	350
6	Elements for suspended or line supporting insulators post-type for outdoor use, with fixing ring and accessories in order to build up multi columns, working voltage 60 Kv.	"	3,000	7,500	10,500
7	Supporting insulators for internal use, complete of bell and base:				
	For 10 Kv. working volt.	"	30,000	22,000	32,000
	For 25 Kv. working volt.	"	4,000	10,000	14,000
	For 40 Kv. working volt.	"	5,000	12,000	17,000
8	Leadin insulators with terminal ends for internal installations for:				
	10 Kv. working volt.	"	5,000	12,000	17,000
	25 Kv. working volt.	"	1,500	3,700	5,200
	40 Kv. working volt.	"	1,000	2,500	3,500
9	Leadin insulators with terminal ends for open air installations for:				
	10 Kv. working volt.	"	500	1,200	1,700
	25 " " "	"	500	1,200	1,700
	40 " " "	"	500	1,200	1,700

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RESTRICTED

PROGRAM OF ESSENTIAL ITALIAN IMPORTS 1945

ELECTRIC POWER

Requisition Number CLAC I-233

Program II-C

Communications

Item No.	Materials	Unit	Quantity Lib.Italy	Quantity Occ.Italy	Total
1	Connecting telephone wire, in various colors (Twin strend 0.8 mm. Diam.)	Tons	2	9	11
2	Copper wire enameled mm. 0.05	Lbs.	44		44
	" " " " 0.08	"	44		44
	" " " " 0.09	"	66		66
	" " " " 0.095	"	110		110
	" " " " 0.10	"	110		110
	" " " " 0.13	"	1102		1102
	" " " " 0.14	"	110		110
	" " " " 0.15	"	110		110
	" " " " 0.17	"	441		441
	" " " " 0.18	"	286		286
	" " " " 0.16	"	66		66
	" " " " 0.25	"	110		110
	" " " " 0.40	"	110		110
3	Cobalt steel (35% Co.) Flat bar 5 x 13 mm.	"	485		485
4	Magnets Aluminum Nickel 25% Al.-12% Ni. as in attached No. 50007	"	5,000		5,000
5	Malta crosses for 75 V. (See Sketch 1840-FATME)	"	75	180	255
6	Complete telephone units consisting of one apparatus with local battery for long distance calls (closed type), protection against the high voltage, with vacuum dischargers, fuses, protection transformers with adequate characteristics (tested to voltage 30/3 Kv)	"	300	750	1,050

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"	"	"	"	0.10	"	1102	1102
"	"	"	"	0.13	"	110	110
"	"	"	"	0.14	"	110	110
"	"	"	"	0.15	"	441	441
"	"	"	"	0.17	"	286	286
"	"	"	"	0.18	"	66	66
"	"	"	"	0.16	"	110	110
"	"	"	"	0.25	"	110	110
"	"	"	"	0.40	"		
3	Cobalt steel (35% Co.) Flat bar 5 x 13 mm.				"	485	485
4	Magnets Aluminum Nickel 25% Al.-12% Ni. as in attached No. 50007				"	5,000	5,000
5	Malta crosses for 75 V. (See Sketch 1840-FATME)				"	75	180 255
6	Complete telephone units consisting of one apparatus with local battery for long distance calls (closed type), protection against the high voltage, with vacuum dischargers, fuses, protection transformers with adequate characteristics (tested to voltage 30/3 Kv)				"	300	750 1,050
7	Complete units as above but with telephonic apparatus of the enclosed (watertight) type				"	100	250 350
8	Portable telephones with strong magnet, complete with batteries				"	300	750 1,050
9	Dry cells as spares for ditto				"	1,000	2,500 3,500
10	RENI Telefunken valves or equivalent				"	200	500 700
11	EV222 Telefunken valves or equivalent				"	200	500 700
12	EV218 Telefunken valves or equivalent				"	150	370 520

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RESTRICTED

Item No.	Materials	Unit	Quantity Lib.Italy	Quantity Occ.Italy	Total
13	VA Siemens valves or equiv.	Eo.	150	370	520
	CA " " " "	"	100	250	350
	EA " " " "	"	60	150	210
	Self-regulating resistence in iron Siemens EW 1106 or equivalent	"	200	500	700
14	Condensers paper made antinductive 1 microferad and 2 microferad (500 V. working volt.	"	100	250	350
15	Mica condensers for transmission circuits 500-1000-1500-2000-3000 cm. (1000 V. working volt.)	"	100	250	350
16	RGN valves No. 1404 or equivalent	"	50	125	175
17	DIAZED type fuses 0,5 - 3-6 Amp. (in equal parts)	"	2,500	6,000	8,500
18	Twin wireless sets for wired wireless telephony over 250 Km. or 150 Kv. line frequency 150-160 Kil.	"	4	10	14
19	Twin wireless sets as above, but for 60 Kv. line	"	6	15	21

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PROGRAM OF ESSENTIAL ITALIAN IMPORTS 1945

ELECTRIC POWER

Reqn. No. CLAC I-242
Program II-g

Miscellaneous

Item No.	Materials	Unit	Quantity Liberated Italy	Occupied Italy	Total
1.	Connecting telephone wire, in various colors (Twin strand 0.8 mm. diam.)	Tons	2	9	11
2.	Copper wire enameled:				
	mm. 0.05	lbs.	44		44
	mm. 0.08	"	44		44
	mm. 0.09	"	66		66
	mm. 0.095	"	110		110
	mm. 0.10	"	110		110
	mm. 0.13	"	1,102		1,102
	mm. 0.14	"	110		110
	mm. 0.15	"	110		110
	mm. 0.17	"	441		441
	mm. 0.18	"	286		286
	mm. 0.18	"	66		66
	mm. 0.25	"	110		110
	mm. 0.40	"	110		110
3.	Cobalt steel (35% C Flat bar 5 x 13 mm.	lbs.	485		485
4.	Magnets, Aluminium Nickel: 25% aluminium, 12% nickel, as in attached No. 50007	Each	5,000		5,000
5.	Malta crosses for 75 V. (See Sketch 1840-FATME)	Each	75	180	255
6.	Complete telephone units consisting of one apparatus with local battery for long distance calls (closed type), protection against high voltage, with vacuum dis-				

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	in various colors (Twin strend 0.8 mm. diam.)	Tons	2	9	11
2.	Copper wire enameled:				
	mm. 0.05	Lbs.	44		44
	mm. 0.08	"	44		44
	mm. 0.09	"	66		66
	mm. 0.095	"	110		110
	mm. 0.10	"	110		110
	mm. 0.13	"	1,102		1,102
	mm. 0.14	"	110		110
	mm. 0.15	"	110		110
	mm. 0.17	"	441		441
	mm. 0.18	"	286		286
	mm. 0.18	"	66		66
	mm. 0.25	"	110		110
	mm. 0.40	"	110		110
3.	Cobalt steel (35% C Flat bar 5 x 13 mm.	Lbs.	485		485
4.	Magnets, Aluminium Nickel: 25% aluminium, 12% nickel, as in attached No. 50007	Each	5,000		5,000
5.	Malta crosses for 75 V. (See Sketch 1840-FATME)	Each	75	180	255
6.	Complete telephone units consisting of one apparatus with local battery for long distence calls (closed type), protection against high voltage, with vacuum dischergers, fuses, protection transformers with adequate characteristics (tested to voltage 30/9 Kv)	Each	300	750	1,050
7.	Complete units as above but with telephonic apparatus of the enclosed (watertight) type	Each	100	250	350
8.	Portable telephones with strong magnet, complete with batteries	Each	300	750	1,050

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ELECTRIC POWER

Miscellaneous

Item No.		Unit	Quantity Liberated Italy	Occupied Italy	Total
9.	Dry cells as spares for ditto	Each	1,000	2,500	3,500
10.	REME Telefunken valves or equivalent	Each	200	500	700
11.	EV222 Telefunken valves or equivalent	Each	200	500	700
12.	EV218 Telefunken valves or equivalent	Each	150	370	520
13.	VA Siemens valves or equiv.	Each	150	370	520
	CA " " " "	"	100	350	350
	EA " " " "	"	60	150	210
	Self-regulating resistance in iron Siemens EW 1106 or equivalent	"	200	500	700
14.	Condensers, paper, made anti-inductive, 1 microfarad and 2 microfarad (500 V. working volt.)	Each	100	250	350
15.	Mica condensers for transmission circuits 500-1000-1500-2000-3000 cm. (1000 V. working volt.)	Each	100	250	350
16.	EGN valves No. 1404 or equivalent	Each	50	125	175
17.	DIAZED type fuses 0.5 - 3-6 Amp. (in equal parts)	Each	2,500	6,000	8,500
18.	Twin wireless sets for wired wireless telephony over 250 Km. or 150 Kv. line frequency 150-160 Kil.	Each	4	10	14

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12.	EV218 Telefunken valves or equivalent	Each	150	370	520
13.	VA Siemens valves or equiv.	Each	150	370	520
	CA " " " "	"	100	350	350
	EA " " " "	"	60	150	210
	Self-regulating resistance in iron Siemens EE 1106 or equivalent	"	200	500	700
14.	Condensers, paper, made anti-inductive, 1 microfarad and 2 microfarad (500 V. working volt.)	Each	100	250	350
15.	Mica condensers for transmission circuits 500-1000-1500-2000-3000 cm. (1000 V. working volt.)	Each	100	250	350
16.	LCN valves No. 1104 or equivalent	Each	50	125	175
17.	DIAZED type fuses 0.5 - 3-6 Amp. (in equal parts)	Each	2,500	6,000	8,500
18.	Twin wireless sets for wired wireless telephony over 250 Km. or 150 Kv. line frequency 150-160 Kil.	Each	4	10	14
19.	Twin wireless sets as above, but for 60 Kv. line	Each	6	15	21

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