

ACC

AC203/1/TN.4

10000/148/2381

STOR

OCT. 1

10 000/148/2321

STORES: REQUIREMENTS -
OCT 1944 - FEB 1945

1893

283/1/1

HEADQUARTERS ALLIED COMMISSION
AFC 394
TRANSPORTATION SUB -COMMISSION
RAILS

10th December 1944

TO : CAPT. C.M. LONG
Stores Section

With reference to the attached specifications will you please very carefully "screen" each item in the lists, in order to cut out or reduce, such materials, which you consider, are not of vital importance.

I will then hand the list to the Director Transportation Sub-Commission, who, will, no doubt, examine it, before it is passed on the Economic Section.

You will, no doubt consult Major Baister & Major Street.

GH

O.H. LINDBERG, LT. COL. R.E.
Tn SUB-COMMISSION
RAILS.

*Open a file
and put back in*

2863

1894
Ing. FRANZI
Capo Compartimento.

Transportation Sub-Comm. (Rails)
Allied Commission
c/o Movements East Italy
Ref. TAG/Tn/DD/3/14/106
Date: 6 Feb. 45

3 Monthly Stores Requirements.

Herewith Demand for Period January to March 1945.
returned for transmission to I.S.R. H.Q. ROME after screening
and approval by this office.

As this demand is for the current quarter, it should
be despatched as above with the minimum of delay.



MAJOR R.E.
AC. Tn. Sub-Commission

Copy to:-

Tn. Sub-Comm. (Rail Sec.) ✓
c/o Tn. Increment
C.M.F.
(for attention Major BAISTER).

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STORES DEPARTMENT

/nf
1st List.

Specification of what is wanted for a period of six months - as regards materials to be purchased abroad for the railway-lines in liberated Italy, that is, for the territory south of Viareggio-Rimini railway-line.
(October 1944)

Materials most urgently needed are marked in red. ~

Please note that even a partial delivery of these materials would be very expedient.

Specification of what is wanted for a period of six months - as regards materials to be purchased abroad for the railway-lines in liberated Italy, that is, for the territory south of Viareggio-Rimini railway-line.
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2882

Varnishes, colouring materials, brushes, flat paint brushes

Turpentine essential Quintals 1.000 - Lack of production
 Crude and boiled inseed oil " 2.500 - Shortage of production.
 The factories producing these oils are for the most part in Italian areas not yet liberated:
 In liberated Italy and precisely at Naples there existed a large factory of the Firm Caslini, such factory, so far as its squeezing department is concerned, was destroyed. Nor it is possible to foresee when it will again be in a position to resume its working.

Mineral nitro muriatic acid	Quintals	500	Lack of production
Zinc white	"	250	Factories for its production are only in Italian areas not yet liberated.
Niveous zinc white	"	50	do
Lead minium	"	150	do
Waggon red	"	400	do
Lampblack	"	50	do
Sverniciatore (a product used for rubbing off paint)	Quintals	150	do
Gum lac A.B.T.N. Trade mark			
Angelo	Quintals	15	Foreign production
Brushes and flat paint brushes		5000	Factories producing these articles are only in Italian areas not yet liberated.

Linoleum and "Pegamoid" for lining the inside of carriages

Linoleum

linear meters 5.000 - Lack of production.

The purveyor "Società del Linoleum" in Milan - Rome branch, enquired of in this connection, has stated that its own factory at Narni Amelia, not having undergone serious damages, can be put into working order within a short time, but that the resuming of the manufacture of its products depends upon the possibility of securing raw materials, which are lacking.

Pegamoid

" " 5.000

Lack of production.

Production factories are only in Italian areas not yet liberated.

- 3 -

- Typewriting machines, Adding machines and calculating machines

Typewriting machines	N. 250	Lack of production. Producing Firms reside only in Italian areas not yet liberated.
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Adding machines	60	do
Calculating machines	40	do

Belts and Leathers in the main

Leather driving belts as follows:

Simple:

from 20 to 80 millimeters in width { 4.000 meters-Shortage of
" 4 " 5 " thick { production

from 90 to 120 millimeters in width { 2.000 meters-Shortage of
6 millimeters thick { production

Double:

from 90 to 120 millimeters in width { 1.500 meters-Shortage of
12 millimeters thick { production

Leather and thin leather, different types, for fittings for electric engines, steam engines, hydraulic pumps etc. 100 quintals - Shortage of production

Simple:

from 20 to 80 millimeters in width	{	4.000 meters-Shortage of production
" 4 " 5 " thick	}	
from 90 to 120 millimeters in width	{	2.000 meters-Shortage of production
6 millimeters thick	}	

Double:

from 90 to 120 millimeters in width	{	1.500 meters-Shortage of production
12 millimeters thick	}	

- Leather and thin leather, different types, for fittings for electric engines, steam engines, hydraulic pumps etc. 100 quintals - Shortage of production

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Chemicals

- Formalin (for disinfecting purposes)	Kg.	2.500	
- Insect destroyer	boxes	No.	2.500
- Common glue (prepared through heating)	Kg.	2.500	
- Gunning paste (for carriages labelling)	"	25.000	
- Protective liniment for workmen and varnishers	"	1.000	
- Common soft soap (for work-shop machineries)	"	10.000	
- Common solid soap	"	5.000	
- Refined borax (for works and work shop)	"	2.500	
- Ammoniacal salt in powder (for work shop working and for batteries)	"	2.500	
- Refiner for acetylene gas	"	5.000	
- Ferrocyanide of potassium for work shop working	"	5.000	
- Colophony (for work shop working)			
- Colophony (foreign production)			
- Petards (for signalling)	No	500.000	
- Soaped creosolo (?) for disinfection purposes	Kg.	15.000	
- Fly killing liquid	"	15.000	
- Ipoclorito (?) of sodium for disinfection purposes	"	15.000	
- Siclor in phials for disinfecting water	No	10.000	
- Sulphuric acid (for accumulators and for work shop)	Kg.	5.000	
- Chlorhydric acid (for work shop)	"	2.500	
- nitric acid	"	1.000	

Shortage of
production of
Materials which
we used to by
at Firms
residing in
Northern Italy

- Common glue (prepared through pressing)	"	25.000	
- Gumming paste (for carriages labelling)	"	1.000	
- Protective liniment for workmen and varnishers	"	10.000	
- Common soft soap (for work-shop machineries)	"	5.000	
- Common solid soap	"	2.500	
- Refined borax (for works and work shop)	"	2.500	
- Ammoniacal salt in powder (for work shop working and for batteries)	"	5.000	
- Refiner for acetylene gas	"	5.000	
- Ferrocyamide of potassium for work shop working	"	5.000	Shortage of production + Materials which we used to by at Firms residing in Northern Italy
- Colophony (for work shop working)			
- Colophony (foreign production)			
- Petards (for signalling)	No	500.000	
- Soaped creosolo (?) for disinfection purposes	Kg.	15.000	-----
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- Ipoclorito (?) of sodium for disinfection purposes	"	15.000	
- Siclor in phials for disinfecting water	No	10.000	
- Sulphuric acid (for accumulators and for work shop)	Kg.	5.000	
- Chlorhydric acid (for work shop)	"	2.500	
- nitric acid	"	1.000	

Cloths, fabrics and felts

N. 1 Black heavy cloth, woollen, for uniforms 138/140 centimeters wide (Station Masters, Underchiefs assigned to movement, Managing staff, hall keepers, Porters, Door-keepers, office attendants	20.000 meters	Lack of production, Almost all the manufacturing Firms reside in Italian areas not yet liberated.
N. 2 Black light cloth, woollen, for uniforms, 138/140 centimeters wide (for use as above)	5.000 meters	do
N. 3 Gray-iron heavy cloth, wollen 130/140 cm. wide, for uniforms for Conductors, Comptrollers, Attendants - men in charge of carriages cleaning and charged with the escort for trains, Brakesmen, Switchmen	40.000 meters	do
N. 4 Gray iron light cloth woollen, 138/140 cm. for uniforms as above	10.000 meters	do
N. 5 Black woollen cloth for overcoats 130/140 cm. wide for the staff of stations;	12.500 meters	do
N. 6 "Marengo" woollen cloth for overcoats 130/140 cm. wide for travelling personnel and Hall-keepers	20.000 meters	do
N. 7 "Zanella" black cotton fabric 130/140 cm. wide, for overalls for some categories of men (Printing-house and Telegraph)	125.000 meters	do
N. 8 Cotton fustian fabric, 70 cm. wide, for combinations (jacket and trousers for engine personnel)	100.000 meters	do
N. 9 White calico, 138/140 centimeters wide, for doctors and sick-attendants dressing gowns	1.000 meters	do
N. 10 Mixed cotton fabric, 70 cm. wide, for overalls and combinations for different categories of personnel (attendants and workmen)	10.000 meters	do
N. 11 Woollen and horse hair parings for lubricating oil boxes of locomotives	Kg. 4.000	do
N. 12 Worsted for locomotive oil boxes		

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138/140 centimeters wide (for use as above)

5.000 meters

do

N. 3 Gray-iron heavy cloth, wollen 130/140 cm.
wide, for uniforms for Conductors, Comptrollers,
Attendants - men in charge of carriages cleaning
and charged with the escort for trains, Brakesmen,
Switchmen

40.000 meters

do

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cm. for uniforms as above

10.000 meters

do

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wide for the staff of stations;

12.500 meters

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combinations (jacket and trousers for engine
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do

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doctors and sick-attendants dressing gowns

1.000 meters

do

N. 10 Mixed cotton fabric, 70 cm. wide, for
overalls and combinations for different categories
of personnel (attendants and workmen)

10.000 meters

do

N. 11 Woollen and horse hair parings for
lubricating oil boxes of locomotives

Kg. 4.000

do

N. 12 Worsted for locomotive oil boxes

Kg. 5.000

do

N. 13 Flat woven wick, 12 millimeters wide,
for kerosene lamps

10.000 meters

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14 Flat woven wick, 15 mm. wide for kerosene lamps	30.000 meters	Lack of production.
15 d. 48 millimeters wide	20.000 "	Almost all the manufacturing Firms reside in Italian areas not yet liberated.
16 Cotton and hemp sail cloth 230 centimeters wide for tops of carriages	2.000 "	
17 do. - 280 cm. wide	1.000 "	do
18 do. - 300 cm. "	15.000 "	do
19 do. - 326 cm. "	7.500 "	do
20 do. - 334 cm. "	1.000 "	do
21 Felt in piece for closing hermetically carriage doors and windows	1.500 "	do
22 Cotton and hemp sail cloth 100 cm. wide, for tops of carriages	10.000 "	Shortage of production
23 White calico 96 cm. wide, for sheeting and pillow cases for dormitories	75.000 "	All cotton draperies mentioned under the following points: 16.17. 18.19.20.23.24.25.26.27. 28.29. 30 have, generally, always been manufactured with hemp.
24 Cotton ticking 100 cm. wide for pillow cases, mattresses and pillows	75.000 "	
25 White cotton muslin, 80 cm. wide, for "lincrusta" and peganoid for travellers carriages	2.500 meters	
26 Calico (dimity cloth) 70 cm. wide for traveller carriages	4.000 meters	
27 do. black, water-tight 110 cm. wide, for the outside of the intercommunication hoods of carriages.	25.000 "	In case, however, it should not be possible to get the releasing of raw hemp as already requested and consequently to obtain that a Factory duly equipped undertakes the necessary working, the present details are now to be considered as a proper request for cotton draperies.
28 do. black 110 cm. wide for the coverings of the intercommunication hoods of carriages	25.000 "	do
29 Cloth (sail cloth type) 75 cm. wide, for decorating travellers carriages and for other uses	15.000 "	
30 Twilled calico, 75 cm. wide, for decorating traveller carriages and for other uses	7.500 "	do
31 Towelling for surgeries and for equipping disinfection boxes	5.000 "	Shortage of production

19	do. - 326 cm.	"	7.500	do
20	do. - 334 cm.	"	1.000	do
21	Felt in piece for closing hermetically carriage doors and windows	"	1.500	do
22	Cotton and hemp sail cloth 100 cm. wide, for tops of carriages	"	10.000	Shortage of production
23	White calico 96 cm. wide, for sheeting and pillow cases for dormitories	"	75.000	All cotton draperies mentioned under the following points: 16.17. 18.19.20.23.24.25.26.27. 28.29. 30 have, generally, always been manufactured with hemp.
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29	Cloth (sail cloth type) 75 cm. wide, for decorating travellers carriages and for other uses	15.000	"	do
30	Twilled calico, 75 cm. wide, for decorating traveller carriages and for other uses	7.500	"	do
31	Towelling for surgeries and for equipping disinfection boxes	5.000	"	Shortage of production
32	Woollen blankets, 2.10 x 1.60 meters for the dormitories of travelling personnel	15.000	"	do

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-33	Color cotton rags for the cleaning of machineries and for other uses	Kg. 35.000	Shortage of production
-34	White cotton rags for cleaning machineries and for other uses	" 20.000	do
-35	Common cotton in parings for cleaning machineries and for other uses	Quintals 3.000	do
-36	Red cloth, of wool or other textile fibre, 50 cm. wide, for signal flags	meters 12.000	do
-37	Green cloth, of wool or other textile fibre, 50 cm. wide	meters 10.000	do
-38	Red cotton ribbon 15 mm. wide for manufacturing said flags	" 30.000	do
-39	Green cotton ribbon, 15 mm. wide, for manufacturing said flags	" 25.000	do
-40	Wool for stuffing mattresses and pillows	Quintals 1.500	do
-41	Sheer woven jute cloth 120 cm. wide for packing	meters 5.000	do
-42	Gunny bags for packing and other uses, about 70 x 120 cm. in size	bags; n. 12.500	do
-43	Lamp wick	Kg. 5.000	do
-44	White twisted cotton sewing thread C no. in reels containing from 635 to 400 meters of thread	reels 2.500	This material is largely manufactured in Lucca at the following factories: O.R. Cecchini, Biagio Pedone, S.A. Borgo Giannotti (Lucca) Cucirini Italiani S.I.C.A. della Società Idroelettrica Galluccanese - Anonima Via Vittorio Veneto (Lucca) Cucirino Petri & C. (Lucca) Pedone Faro Lucca.
-45	do. 16 no.	reels 2.500	
-46	do. 24 no.	reels 8.000	
-47	Black twisted cotton sewing-thread O no. in reels containing 365 to 400 meters of thread	reels 7.500	
-48	do 16 no.	reels 5.000	
-49	do 24 no.	reels 4.000	

36 Red cloth, of wool or other textile fibre, 50 cm. wide, for signal flags	meters	12.000	do
37 Green cloth, of wool or other textile fibre, 50 cm. wide	meters	10.000	do
38 Red cotton ribbon 15 mm. wide for manufacturing said flags	"	30.000	do
39 Green cotton ribbon, 15 mm. wide, for manufacturing said flags	"	25.000	do
40 Wool for stuffing mattresses and pillows	Quintals	1.500	do
41 Sheer woven jute cloth 120 cm. wide for packing	meters	5.000	do
42 Gunny bags for packing and other uses, about 70 x 120 cm. in size	bags; n.	12.500	do
43 Lamp wick	Kg.	5.000	do
44 White twisted cotton sewing thread 0 no. in reels containing from 635 to 400 meters of thread	reels	2.500	This material is largely manufactured in Lucca at the following factories: O.R. Cecchini, Biagio Pedone, S.A. Borgo Giannotti (Lucca) Cucirini Italiani S.I.C.A. della Società Idroelettrica Gallicianese - Anonima Via Vittorio Veneto (Lucca) Cucirino Petri & C. (Lucca) Pedone Taro Lucca.
45 do. 16 no.	"	2.500	
46 do. 24 no.	"	8.000	
47 Black twisted cotton sewing-thread 0 no. in reels containing 365 to 400 meters of thread	reels	7.500	
48 do 16 no.	"	5.000	
49 do 24 no.	"	4.000	

It has not been possible to know whether said firms are at present in a position to resume their work. Anyhow, raw material is lacking.

Shoes for workmen

- Shoes for workmen (for personnel of the lines, the stations and Traction Service obliged to walk along the lines and upon the stoning of the open spaces 25.000, = pairs Lack of production for these goods reside almost all in Italian areas not yet liberated.

Pocket watches

Pocket precision watches, with no ring for lead sealing-for station masters, personnel in charge of small motor trucks, workmen of the I.E.S. office 300 watches Lack of production Pocket watches have so far been bought in Switzerland.

Pocket precision watches, with ring for lead sealing, for Chief Guards 1.000 " do

Waterproofs

- Black gummed (?) waterproofs with hood for personnel of lines and stations 3.000 Lack of production. Firms duly equipped for manufacturing such garments reside

- Working waterproof clothes (jacket, trousers and cap) for personnel of lines and stations 3.000

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25.000,- pairs Lack of
production for these
goods reside almost
all in Italian areas
not yet liberated.

Pocket watches

Pocket precision watches, with no ring
for lead sealing-for station masters,
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Pocket watches have
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Pocket precision watches, with ring
for lead sealing, for Chief Guards

1.000 "

do

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for personnel of lines and stations 3.000
- Working waterproof clothes (jacket,
trousers and cap) for personnel of lines
and stations 3.000

2822

Lack of production.
Firms duly equipped
for manufacturing
such garments reside
in Italian Areas not
yet liberated.

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L a m p s

	<u>How many</u>	
- Lanterns for semaphores	1.500	Shortage of production
- Oil signalling lanterns for travelling personnel	2.500	Materials always purchased at Firms residing in Northern Italy.
- Acetylene lanterns for watchmen	1.500	do
- Inspectors' lanterns	500	do
- Acetylene Inspectors' lanterns	200	do
- Acetylene lanterns small type	1.000	It does not turn out that these are, in liberated Italy, Firms equipped for production in a large scale.
do do large type	250	
do do signalling type	500	
- Brass signal horns for watchmen, switchmen and conductors	2.500	
Acetylene lights from 500 to 1000 candle-power	50	
do from 3.000 to 5.000 candle power	50	
- Brass necks 7 No., for oil lamps	10.000	
- Necks for portable acetylene apparatuses having a capacity for 14 litres.	30.000	
- do. having a capacity for 21 liters	20.000	
- do. 10 no., for kerosene lamps, for engine front lanterns and train end lanterns	15.000	Foreign production

- Acetylene lanterns for watchmen	1.500	Northern Italy.
- Inspectors' lanterns	500	do
- Acetylene Inspectors' lanterns	200	do
- Acetylene lanterns small type	1.000	It does not turn out
do do large type	250	that these are, in li-
do do signalling type	500	berated Italy, Firms
- Brass signal horns for watchmen, switchmen and conductors	2.500	equipped for production in a large scale.
- Acetylene lights from 500 to 1000 candle-power	50	
do from 3.000 to 5.000 candle power	50	
- Brass necks 7 No., for oil lamps	10.000	
- Necks for portable acetylene apparatuses having a capacity for 14 litres.	30.000	
- do. having a capacity for 21 liters	20.000	
- do. 10 no., for kerosene lamps, for engine front lanterns and train end lanterns	15.000	Foreign production

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2nd listSTORES SERVICE

Materials of foreign origin, which are needed for railway lines of liberated Italy, for a period of 6 months.

Fuel, lubricating materials and timber.

Cat. 002	Tar Oil (creosote (?))	Quintals:	7.500	Shortage of production. Lack of raw materials. Should there be availability of these oils, they might be used for operating the Rome and Bari Refineries in order to secure different products
	Black oil for oil-boxes	"	12.500	
	Saturated oil for steam cylinders	"	600	Lack of products Working plants are found only in Italian areas not yet freed.
	Superheated oil for steam cylinders	"	2.100	
	Transformer oil	"	750	Shortage of production for limited availability of suitable seeds.
	SAE 30 motor oil	"	1.350	
	SAE 50 motor oil	"	750	Lack of raw materials. Should there be availability of these oils, they might be used for operating Bari and Rome Refineries in order to secure different products
	Gear oil	"	60	
	Soluble cutting oil	"	60	Lack of raw materials. Should there be availability of these oils, they might be used for operating Bari and Rome Refineries in order to secure different products
	Glycerine (or substitute "Prestone")	"	700	
	Vegetal lighting oil	"	2.200	
Cat. 002	Mineral grease	"	300	Lack of raw materials. Should there be availability of these oils, they might be used for operating Bari and Rome Refineries in order to secure different products
	Non codex raselaine	"	8	
	Paraffin wax	"	8	Lack of raw materials. Should there be availability of these oils, they might be used for operating Bari and Rome Refineries in order to secure different products
	Fuel oil	"	5.000	
	Diesel Oil	"	7.500	Lack of raw materials. Should there be availability of these oils, they might be used for operating Bari and Rome Refineries in order to secure different products
	Gas oil	"	9.000	
	Kerosene	"	4.500	Lack of raw materials. Should there be availability of these oils, they might be used for operating Bari and Rome Refineries in order to secure different products
	Gasoline	"	4.500	

Fuel, lubricating materials and timber.

Cat. 002	Tar Oil (creosote (?))	Quintals:	7.500	Shortage of
	Black oil for oil-boxes	"	12.500	production. Lack
	Saturated oil for steam	"	600	of raw materials.
	cylinders	"		Should there be
	Superheated oil for steam	"	2.100	availability of
	cylinders	"	750	these oils, they
	Transformer oil	"	1.350	might be used for
	SAE 30 motor oil	"	750	operating the
	SAE 50 motor oil	"	60	Rome and Bari
	Gear oil	"	60	Refineries in
	Soluble cutting oil	"		order to secure
	Glycerine (or substitute	"	700	different products
	"Prestone)	"		Lack of production
		"		Working plants
		"		are found only in
		"		Italian areas not
		"		yet freed.
	Vegetal lighting oil	"	2.200	Shortage of
		"		production for
		"		limited availabil-
		"		ity of suitable
		"		seeds.
Cat. 002	Mineral grease	"	300	Lack of raw
	Non codex raseline	"	8	materials. Should
	Paraffin wax	"	8	there be availab-
	Fuel oil	"	5.000	ility of these
	Diesel Oil	"	7.500	oils, they might
	Gas oil	"	9.000	be used for
	Kerosene	"	4.500	operating Bari
	Gasoline	"	4.500	and Rome Refiner-
		"		ies in order to
		"		secure different
		"		products.
		"		28.3
Cat. 061	Pitch-pine, oregonpine			Pitchy timber is
	Spruce timber in boards,			largely produced
	planks and deals			in the provinces
	Cubic			of Belluno, Bolza-
	meters:		5.000	no and Trento not
				yet liberated.

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Cat. 061 Highly pitchy timber
for building railcars

Cubic
meters 2.500

Pitchy timber from
Calabria is little
suitable for
repairing cars and,
at any rate, it is
all blocked by the
Allied Authorities.

Highly pitchy
timber from areas
of liberated Italy
is unfit for
repairing cars.

Highly pitchy
timber from areas
of liberated Italy
is unfit for
repairing cars.

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3rd List

STORES SERVICE

List of what is needed, for a period of six months,
as regards materials to be bought abroad and meant
for central and southern Italy.

Motor-conveyances and tires

Rubber materials

Glasses

Stationery

Sundries

Note: that materials most urgently needed are marked
in red. ---

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Motor-conveyances, Bicycles and Tires

Motor-cars, four-seated, cylinders about 1100 to 1500 cubic centimeters	20
Side-cars	20
Trucks, capacity of 40-50 quintals	18
" " 10-15 "	12
Motor-freight cars, capacity of 10 Quintals	3
Small " " 3 "	3
Bicycles	200
Tractors for shifting cars in Stores	3

Sizes and inner tubes for motor-cars

Sizes: 4.00 x 15.	.	.	.	.	.	.	.	80.	.	.80
5.00 x 15.	.	.	.	.	.	.	.	110.	.	.110
5.50 x 15.	.	.	.	.	.	.	.	130.	.	.130
5.00 x 16.	.	.	.	.	.	.	.	60.	.	.60
5.50 x 16.	.	.	.	.	.	.	.	40.	.	.40
6.00 x 16.	.	.	.	.	.	.	.	200.	.	.200
4.00 x 17.	.	.	.	.	.	.	.	40.	.	.40
4.25 x 17.	.	.	.	.	.	.	.	50.	.	.50
5.25 x 17.	.	.	.	.	.	.	.	40.	.	.40
5.50 x 17.	.	.	.	.	.	.	.	40.	.	.40
6.50 x 17.	.	.	.	.	.	.	.	40.	.	.40
7.00 x 17.	.	.	.	.	.	.	.	40.	.	.40
130 x 40.	.	.	.	.	.	.	.	20.	.	.20
155 x 400.	.	.	.	.	.	.	.	70.	.	.70
185 x 400.	.	.	.	.	.	.	.	40.	.	.40

Tires and inner tubes for trucks

Sizes: 6.00 x 18.	.	.	.	.	.	.	.	70.	.	.70
7.50 x 20.	.	.	.	.	.	.	.	150.	.	.150
17 x 50.	.	.	.	.	.	.	.	70.	.	.70
32 x 16.	.	.	.	.	.	.	.	150.	.	.150
34 x 7.	.	.	.	.	.	.	.	70.	.	.70
36 x 7.	.	.	.	.	.	.	.	70.	.	.70
36 x 8.	.	.	.	.	.	.	.	70.	.	.70

1920

Motor-cars, four-seated,
cylinders about 1100 to
1500 cubic centimeters 20

Side-cars 20

Trucks, capacity of 40-50 quintals 18
" " 10-15 " 12

Motor-Freight cars, capacity of 10 Quintals 3
Small " " 3

Bicycles 200

Tractors for shifting cars in Stores 3

Sizes and inner tubes for motor-cars

Sizes: 4.00 x 15.	.	.	.	.	.	.	.	80.	.80
5.00 x 15.	.	.	.	.	.	.	.	110.	.110
5.50 x 15.	.	.	.	.	.	.	.	130.	.130
5.00 x 16.	.	.	.	.	.	.	.	60.	.60
5.50 x 16.	.	.	.	.	.	.	.	40.	.40
6.00 x 16.	.	.	.	.	.	.	.	200.	.200
4.00 x 17.	.	.	.	.	.	.	.	40.	.40
4.25 x 17.	.	.	.	.	.	.	.	50.	.50
5.25 x 17.	.	.	.	.	.	.	.	40.	.40
5.50 x 17.	.	.	.	.	.	.	.	40.	.40
6.50 x 17.	.	.	.	.	.	.	.	40.	.40
7.00 x 17.	.	.	.	.	.	.	.	40.	.40
130 x 40.	.	.	.	.	.	.	.	20.	.20
165 x 400.	.	.	.	.	.	.	.	70.	.70
185 x 400.	.	.	.	.	.	.	.	40.	.40

Tires and inner tubes for trucks

Sizes: 6.00 x 18.	.	.	.	.	.	.	.	70.	.70
7.50 x 20.	.	.	.	.	.	.	.	150.	.150
17 x 50.	.	.	.	.	.	.	.	70.	.70
32 x 16.	.	.	.	.	.	.	.	150.	.150
34 x 7.	.	.	.	.	.	.	.	70.	.70
38 x 7.	.	.	.	.	.	.	.	70.	.70
36 x 8.	.	.	.	.	.	.	.	70.	.70
42 x 9.	.	.	.	.	.	.	.	150.	.150

Tires and inner tubes for bicycles

Sizes: 26 x 1 1/2"	800	800
28 x 1 3/8"	800	800
28 x 1 5/8" x 1 3/8"	800	800
28 x 1 5/8" x 1 1/2"	500	800
28 x 1 5/8"	800	800

In central and southern Italy, production of motor-conveyances and tires, is completely lacking.

Raw materials for rubber are also lacking.

Rubber materials

EXT. TYPE

100

"	"	2000 x 1000 x 8	"	75
"	"	2000 x 1000 x 10	"	150
"	"	1000 x 1000 x 16	"	50
"	"	with hemp fabric inserted into them	"	200
"	"	3000 x 1000 x 1.5"	"	450
"	"	3000 x 1000 x 2"	"	200
"	"	3000 x 1000 x 2.5"	"	750
"	"	3000 x 1000 x 3"	"	4500
Cloth and rubber tube - 23 x 13 millimeters, for compressed air and gas conduit				4000
Cloth and rubber tube - 17 x 10 millimeters for acetylene gas and oxygen conduit for soldering				2000
Cloth and rubber tube containing galvanized spiral steel wire, 60 x 45 millimeters for washing boilers				3000
Cloth and rubber tube, 15x10 millimeters for conveying soaped water to machine-tools, for watering coal and for transmitting gas to lamps				2300
tube as above, 25x15 millimeters size for transmitting soaped water etc.				300
Cloth and rubber tube, 29 x 22 size, for protecting cable-shoes meant for electric motor cables				1500
Rubber tube, with plaits and fabrics inserted into it, 8 x 15, for transmitting air into meters				100
Cloth and rubber tube, 60 x 70, for the piping of water-cooling for O.M. motors BxD type				

2845

Rubber gloves with thumb only, average size, n. 3, with no hand-guard for electricians	(pairs)	350
do. complete with fingers, size as above for electricians	(pairs)	450
Para rubber putty	Kg.	100
Volcanized rubber ribbon	(rollers)	250
Rubber boots as high as to reach the thigh	(pairs)	150
Rubber knee-boots	(pairs)	300
White adhesive rubbered ribbon	meters	100.000
Black	"	80.000
"	"	"
"	"	"

do. complete with fingers, size as above for electricians	(pairs)	450
Para rubber putty	Kg.	100
Volcanized rubber ribbon	(rollers)	250
Rubber boots as high as to reach the thigh	(pairs)	150
Rubber knee-boots	(pairs)	300
White adhesive rubbered ribbon	meters	100.000
Black	"	80.000
"	"	"
"	"	"

2844

GLASSES

Glass panes and glass materials

Glass demijohns, wickered, different capacities	3.000	
Plano-convex lens for signalling, different sizes	16.000	
Glass tubes for kerosene lamps, basis diameter: 39 millimeters, top diameter 245 millimeters	50.000	
Colorless glasses for hand-lanterns 1.5 + 2.5 millimeters thick, different sizes	750	To be supplied in sheets of about 1 x 1 meters
Colorless glasses for signalling, 2.5 + 3 millimeters thick, different sizes	4.500	"
Red colored glasses for hand lanterns, 1.5 + 2.5 millimeters thick, square meters	500	"
Red colored glasses for signalling, 2.5 + 3 millimeters thick, different sizes	300	"
Green-blue colored glasses for hand-lanterns 1.5 + 2.5 millimeters thick, square meters	500	"
Green-blue colored glasses, 2.5 + 3, different sizes	700	"
Blue violet colored glasses for signalling, 2.5 + 3 millimeters thick, different sizes	200	"
White as milk colored glasses for signalling, 2.5 + 3 millimeters thick, sundry sizes	300	"
Yellow colored glasses for signalling, 2.5 + 3 millimeters thick, sundry sizes	400	"

- It does not turn out as yet that any Glass Mill has resumed its production on a big scale in Central and Southern Italy.

Plano-convex lens for signalling, different sizes	16.000	
Glass tubes for kerosene lamps, basis diameter: 39 millimeters, top diameter 245 millimeters	50.000	
Colorless glasses for hand-lanterns 1.5 + 2.5 millimeters thick, different sizes	750	To be supplied in sheets of about 1 x 1 meters
Colorless glasses for signalling, 2.5 + 3 millimeters thick, different sizes	4.500	"
Red colored glasses for hand lanterns, 1.5 + 2.5 millimeters thick, square meters	500	"
Red colored glasses for signalling, 2.5 + 3 millimeters thick, different sizes	300	"
Green-blue colored glasses for hand-lanterns 1.5 + 2.5 millimeters thick, square meters	500	"
Green-blue colored glasses, 2.5 + 3, different sizes	700	"
Blue violet colored glasses for signalling, 2.5 + 3 millimeters thick, different sizes	200	"
White as milk colored glasses for signalling, 2.5 + 3 millimeters thick, square meters	300	"
Yellow colored glasses for signalling, 2.5 + 3 millimeters thick, sundry sizes	400	"

- It does not turn out as yet that any Glass Mill has resumed its production on a big scale in Central and Southern Italy.

- As to colored glasses, the sole producing factory is ^{Pium} Lucchini's at Peregò (Milan), (bombed to the extent that its production can be expected)

page 6

WRITING MATERIALS =====

Anthracene blue ink in half litre bottles	n. 2.500	The making of inks is dependent on the possibility of disposing of raw materials (anilines or others) of foreign origin. Formerly they were produced exclusively in upper Italy.
Copying black writing ink	Kg 2.500	
Fixed " "	" 5.000	
Red writing ink in small bottles of about 3.50 cubic centimeters	" 8.000	
Blue ink in small bottles as above	N. 4.000	
Green " "	" 2.500	
China ink in small bottles of about 3.30 cubic centimeters	" 2.500	
Red ink for rubber stamps in small bottles of about 3.50 cubic centimeters	" 800	
Violet ink, in small bottles as above	" 5.000	
Violet ink for velocograph in small bottles as above	" 2.500	
Black oily ink for metal stamps in cans of about 3.100 cubic centimeters	" 2.500	
Red oily ink, in small bottles as above	" 400	
Blue oily ink for telegraph, in cans as above	" 2.000	
Ink for reproducing apparatuses in small tubes (150 grammes nett)	" 1.000	
do. in large tubes (330 grammes nett)	" 2.000	
do. in cans (about 500 grammes) fluid type for Edison Dick apparatuses	" 300	
Fixed bicolored ribbons for Olivetti type-writing machines	" 1.200	Production of such ribbons was exclusively effected in upper Italy Factories
do. for Mod. 4 Invicta type-w. machines	" 100	

Red writing ink in small bottles of about 3.50 cubic centimeters	"	8.000	or others) of foreign origin. Formerly they were produced exclusively in upper Italy.
Blue ink in small bottles as above	N.	4.000	
Green " " " "	"	2.500	
China ink in small bottles of about 3.30 cubic centimeters	"	2.500	
Red ink for rubber stamps in small bottles of about 3.50 cubic centimeters	"	800	
Violet ink, in small bottles as above	"	5.000	
Violet ink for velocograph in small bottles as above	"	2.500	
Black oily ink for metal stamps in cans of about 3.100 cubic centimeters	"	2.500	
Red oily ink, in small bottles as above	"	400	
Blue oily ink for telegraph, in cans as above	"	2.000	
Ink for reproducing apparatuses in small tubes (150 grammes nett)	"	1.000	
do. in large tubes (330 grammes nett)	"	2.000	
do. in cans (about 500 grammes) fluid type for Edison Dick apparatuses	"	300	
Fixed bicolored ribbons for Olivetti type-writing machines	"	1.200	Production of such ribbons was exclusively effected in upper Italy Factories
do. for Mod. 4 Invicta type-w. machines	"	100	
do. for Mod. 5 Invicta type-w. machines	"	250	
Fixed black ribbon for Olivetti w. machines	"	4.000	
do. for Mod. 4 Invicta w. machines	"	250	
do. " " 5 " "	"	800	
Polygraphic violet ribbons for Olivetti w. machines	"	400	
Ribbons for telewriters	"	700	

282

Common black pencils and pencils for drawing purposes of different grades (hardness)	Grosses: 1.500
Red pencils	" 250
Blue pencils	" 250
Copying pencils	" 450
Brushes of sundry types for drawers	N. 2.500

No news is at hand about the present-day possibilities of production, regarding the following Firms:

- S.A. FILA : Italian Pencil and the like Factory - Florence
Via del Gignoro 14
producing every type pencils, common penholders and pencils for drawers
- S.A. EMELIA : Via Gustavo Mariani 18 Florence
producing common black and colored inks
- Fabbrica Fiorentina Pennelli (Florentine Brush Factory)
Florence, Via S. Antonino 7
producing brushes for liquid glue and for drawers
- S.A. Industria Nazionale "La Sordente" - Stia (Arezzo)
producing oily inks for rubber and metal stamps, and inks for velocograph.

Brushes of sundry types
for drawers

M. 2.500

No news is at hand about the present-day possibilities
of production, regarding the following Firms:

S.A. FILA : Italian Pencil and the like Factory - Florence
via del Gignoro 14
producing every type pencils, common penholders
and pencils for drawers

S.A. ETETIA : Via Gustavo Mariani 18 Florence
producing common black and colored inks

Fabbrica Fiorentina Pennelli (Florentine Brush Factory)
Florence, Via S. Anronino 7
producing brushes for liquid glue and for
drawers

S.A. Industria Nazionale "La Sorgente" - Stia (Arezzo)
producing oily inks for rubber and metal
stamps, and inks for velocograph.

2841

page 8

White india-rubbers for erasing pencil writings	n. 33.000	Raw materials are lacking in central and Southern Italy.
do. for erasing type writings	" 20.000	
Rubber cloth for letter-copying, 24 x 34 centimeters size	3.000	At any rate such materials were formerly all manufactured exclusively in upper Italy.
do. 31 x 42	n. 1.000	
Red sealing-wax	Kg 700	For manufacturing these articles, there are at present no suitable raw materials.
Greenish-yellow sealing wax	" 4.500	
Arabic-gum in powder	" 1.000	
<u>Materials for reproducing apparatuses.</u>		
Polygraphic rollers 4 x 0.35 meters	n. 800	To be increased to 10.000 kilos in case it would be impossible to supply polygraphic rollers.
Velocographic paste	Kg. 1.500	In the place of velocigraph paste, the necessary raw materials might be supplied, that is: Kg. 7000 of glycerine (1) " 2000 of technic glycerine " 200 phenol Such raw materials are getting scarce in Italy.
Infrangible "Matrici" for duplicator apparatuses, in boxes of 48 sheets each - boxes	1.500	Raw materials needed for 'matrici' are lacking.

(1) See list n. 2 for request of glycerine.

Red sealing-wax	Kg	700	For manufacturing these articles, there are at present no suitable raw materials.
Greenish-yellow sealing wax	"	4.500	
Arabic-gum in powder	"	1.000	
Materials for reproducing apparatuses.			
Polygraphic rollers 4 x C.35 meters	n.	800	To be increased to 10.000 kilos in case it would be impossible to supply polygraphic rollers.
Velocographic paste	Kg.	1.500	In the place of velocigraph paste, the necessary raw materials might be supplied, that is: Kg. 7000 of glycerine (1) " 2000 of technic glycerine " 200 phenol Such raw materials are getting scarce in Italy.
Infrangible "Matrici" for duplicator apparatuses, in boxes of 48 sheets each - boxes		1.500	Raw materials needed for 'matrici' are lacking.

(1) See list n. 2 for request of glycerine.

page 9

PINS

Pins 26 and 30 millimeters long	Eg.	2.000
Thumb tacks for drawers, sundry sizes, in small boxes containing each 100 thumb tacks	boxes	3.000
Nibs for penholders	Grosses	3.000

6282

PINS

Pins 26 and 30 millimeters long	Eg.	2.000
Thumb tacks for drawers, sundry sizes, in small boxes containing each 100 thumb tacks	boxes	3.000
Nibs for penholders	Grosses	3.000

2889

PAPER

List of different varieties of paper

Printing paper - "Half-fine" type, rolled, maximum unified sizes 1189 x 841 and 594 x 841 millimeters, or common commercial size, weighing about 50-70-100 grammes for each square meter

10.000 Italian paper Mills production is at present very scarce and it is mostly taken up for manufacturing news-paper 165 paper.

Writing paper - "fine" type, rolled, weight: about 80 grammes for each square meter:
 - checked, 31x42 centimeters - quintals 35
 - ruled " " 35
 - non ruled " " 85
 - stamp-paper type " 10

Packing paper

Light, weighing, 80 grammes for each square meter
 70 x 80 centimeters size - quintals: 65

Heavy, weighing 150 grammes for square meter, 100 x 140 " 260

Blotting paper for duplicating apparatuses ('Romeo')

325 Fine paper does not turn out to be made in Central and Southern Italy

Weighing 70 grammes for each square meter, 21 x 31 centimeters size quintals 300

do. 31 x 42 " 15

Paper for manifold copies for writing-machines

weighing 35 grammes each sq. meter 15x21 centim. size quintals 5
 " " 21 x 31 " 40
 " " 31 x 42 " 8

53

Common blotting paper, weighing about 170 grammes for sq. meter

quintals

30

Tissue paper (for letter press copying) weighing 20 grammes per sq. meter

"

28.28

Paper for envelope manufacturing,

Writing paper
 weight: about 80 grammes for
 each square meter:
 - checked, 31x42 centimeters - quintals 35
 - ruled " " 35
 - non ruled " " 85
 - stamp-paper type " 10

165
 paper.

Packing paper

Light, weighing, 60 grammes for
 each square meter

70 x 80 centimeters size - quintals: 65

Heavy, weighing 150 grammes
 for square meter, 100 x 140 " 250

Blotting paper for duplicating
 apparatuses ('Romeo')

325 Fine paper does
 not turn out
 to be made in
 Central and
 Southern Italy

Weighing 70 grammes for each

square meter, 21 x 31 centimeters size
 quintals 300

315

do. 31 x 42 " 15

Paper for manifold copies
 for writing-machines

weighing 35 grammes each sq. meter

16x21 centim. size
 quintals 5

" " 21 x 31

40

" " 31 x 42

8

53

Common blotting paper, weighing
 about 170 grammes for sq. meter

quintals

30

Tissue paper (for letter press copying)
 weighing 20 grammes per sq. meter

2838

Paper for envelope manufacturing,
 glossy, also less glossy type,
 chamora colored, weighing about
 70-80 grammes per square meter

240

Drawing paper - hand-made types.

weighing 90 grammes 32x44 cm

" 100 " 40x54

" 200 " 70x102

" 210 " (machine hand-made
 in rolles) 10x1.5 m.

quintals 1

1

6

24 32

Paper for preparation purposes (sepia)
(Cyanographic and heliographic)

- mixture: rags (about 25% of cellulose
mechanic wood pulp excluded)

- "collatura": this must be such as to
render it possible absorption of
sensible solution.

- supply: in rollers, 1 meter wide and
500 meters long, in one piece; they
may also be accepted if they are in
two pieces provided they be connected
with glue so as not to offer any
impediment to the passing of paper
through the rollers of the preparation
machine.

- winding up of paper on wood roller
having inside and for all its length
a square opening to let in the
machine shaft, the square section of
which is 50 millimeters each side:

- weights for square meters: 55 grammes (sepia):
65 grammes (cyanographic): 95 grammes
(heliographic)

- quantity which is needed:

sepia paper -	quintals: 15	
cyanographic paper	" 35	
heliographic "	" 50	quintals: 100
- drawing glossy paper in rollers (1.57 x 20 meters).....	"	15
- Paper for filtering isolating oil (185 x 185 x 0.5 millimeters).....	"	15
- Manila type small cardboards.....	"	40
- Small cardboards for forms for "Watson" Machine.....	"	250
- Small cardboards for travelling tickets (to be printed with Goebel Machines)....	"	530
- Cardboards, leather type	"	100

- Crimped paper for scrubbing
(to be used in default of rags and parings)"

3302837

- supply: in rollers, 1 meter wide and 500 meters long, in one piece; they may also be accepted if they are in two pieces provided they be connected with glue so as not to offer any impediment to the passing of paper through the rollers of the preparation machine.

- winding up of paper on wood roller having inside and for all its length a square opening to let in the machine shaft, the square section of which is 50 millimeters each side:

- weights for square meters: 55 grammes (sepia): 65 grammes (cyanographic): 95 grammes (heliographic)

- quantity which is needed:			
sepia paper -	quintals: 15		
cyanographic paper	" 35		
heliographic "	" 50	quintals: 100	

- drawing glossy paper in rollers (1.57 x 20 meters)..... 15

- Paper for filtering isolating oil (185 x 185 x 0.5 millimeters)..... 15

- Manila type small cardboards..... 40

- Small cardboards for forms for "Watson" Machine..... 250

- Small cardboards for travelling tickets (to be printed with Goebel Machines)..... 530

- Cardboards, leather type " " 100

- Crimped paper for scrubbing (to be used in default of rags and parings) 3302837

- Paper in bands for tachimeters (in rollers of about 260 grammes per roller widthness of roller: 50 millimeters - inside hole of roller 34 millimeters in diameter)..... 50

(1) Paper in bands for telegraph

for Morse machine (mixture of any vegetal fibre) - weight of 45 grammes for each square meter width of band: 9.5 millimeters. roller of 125/130 millimeters in diameter. inside bore: 29/31 millimeters in diameter - weight of roller: 77 grammes

quintals 190

gunned for telegraphic-operators: 200 millimeters in diameter - width of ribbon: 9.5 - diameter of inside bore: 11 millimeters (wood core) weight for each meter: 0.84 grammes - weight of roller: 260 grammes

" 30

Paper in bands for telegraph was formerly made exclusively by Paper-Mills in upper Italy. (Turin Verzuolo, Serravalle Scrivia, Alzano Lombardo)

(1) what is needed for Post and Telegraph offices excluded

- Carbon and counter-drawing paper

- fixed black carbon paper for typers, 21x31 centimeters size	sheets:	200.000	Production was exclusively effected in upper Italy.
- DO. 21x16.....	"	70.000	Raw materials used to come largely from abroad.
- counter-drawing paper for telegraph	"	200.000	
- 27x39 centimeters size.....	"	200.000	
- do. for writing purposes, 33x48 centimeters size.....	"	3.000	
- fixed black carbon paper, 28x75 size.....	"	30.000	
- do. 44x75 size.....	"	16.000	
- blue counter-drawing paper, 80x32 centimeters size	"	100.000	
- do. 63 x 33.....	"	100.000	
- Polygraphic carbon paper, 21x31 centimeters size	"		

Paper in bands for telegraph was formerly made exclusively by Paper-Mills in upper Italy. (Turin Versuolo, Serravalle Scrivia, Alzano Lombardo)

45 grammes for each square meter width of band: 9.5 millimeters. roller of 125/130 millimeters in diameter. inside bore: 29/31 millimeters in diameter - weight of roller: 77 grammes

quintals 190

gummed for telegraphic-operators: 200 millimeters in diameter - width of ribbon: 9.5 - diameter of inside bore: 11 millimeters (wood core) weight for each meter: 0.84 grammes - weight of roller: 260 grammes

"

30

(1) what is needed for Post and Telegraph offices excluded

- Carbon and counter-drawing paper			
- fixed black carbon paper for typers, 21x31 centimeters size	200.000	Production was exclusively effected in upper Italy.	
- DC. 21x16.....	70.000	Raw materials used to come largely from abroad.	
- counter-drawing paper for telegraph 27x39 centimeters size.....	200.000		
- do., for writing purposes, 33x48 centimeters size.....	200.000		
- fixed black carbon paper, 28x75 size.....	3.000		
- do. 44x75 size.....	30.000		
- blue counter-drawing paper, 80x32 centimeters size	16.000		
- do. 63 x 33.....	100.000		
- Polygraphic carbon paper, 21x31 centimeters size	100.000		

2826

Vessels for inflammable materials and sundries =====

Small galvanized iron cans, for transportation of inflammable materials, having a capacity of about 26500 liters	n. 4.500
Galvanized iron-plate tubs having a capacity of 151-200 liters, for transportation of inflammable materials	" 2.500
Galvanized steel-plate buckets (printed) for locomotives and work-shops, diameter of bottom 200 millimeters - height: 300 millimeters	" 1.000
Paddlelocks (large), about 64x47 millimeters	" 3.000
Paddlelocks (small), " 52x38 millimeters	" 12.000
Stores for premises heating, different types.....	" 4000

Production of above was exclusively effected in factories of upper Italy.

NE

List n. 4

STORES DEPARTMENT

Specification of what is needed, for a period of six months, as regards materials purchasable abroad for rail lines south of the Viareggio-Rimini line (October 1944)

Semi-worked metal products and manufactured metal products

Items marked in red are urgent

Specification of what is needed, for a period of six months, as regards materials pure asable abroad for rail lines south of the Viareggio-Rimini line (October 1944)

Semi-worked metal products and manufactured metal products

Items marked in red are urgent

289 1/2

RECAPITULATION INDEX OF LIST N. 4

Enclosure:

N.	1 Steel in tubes	400.000	Kg.
"	2 Thin steel plates	100.000	"
"	" " " "	400.000	"
"	" " " "	20.000	"
"	" " " "	7.300	"
"	3 Chrome-wolfram rapid special steels	300.000	"
"	4 Silicious-manganese steel for cambered springs	500.000	"
"	5 Electrodes for electric solderings	300.000	"
"	" " Swedish type iron rods for oxy-acetylene solderings	100.000	"
"	" " Cast-iron small bars, for c.s. solderings	50.000	"
"	6 Extra-soft steel in wire for oxy-acetylene solderings	15.000	"
"	7 Steel screws for metal	30.000	"
"	8 " " " wood	2.000	Dozens
"	9 Wrenches	8.000	"
"	" " Saw blades	10.000	"
"	" " Circular saw-blades	200.000	"
"	10 Helicoidal points	200.000	"
"	" " Flat-round tiles etc	10.000	Kg.
"	" " Black steel netting	15.000	"
"	" " Galvanized steel netting as mosquitos screen	100.000	"
"	11 Copper in tubes	10.000	"
"	12 Aluminium in sheets	50.000	"
"	" " Copper in sheets	5.000	"
"	" " Zinc in sheets	30.000	"
"	13 White metal for anti-friction	100.000	"
"	" " Copper in blocks	50.000	"
"	" " Tin	500	"
"	" " Arsenic	30.000	n.
"	14 Glass paper	30.000	"
"	" " Emery paper	25	Ton.
"	" " Manganeseite		

N.	1 Steel in tubes	400.000	Kg.
"	2 Thin steel plates	100.000	"
"	" " " "	400.000	"
"	" Tinned sheet iron	20.000	"
"	3 Chrome-wolfram rapid special steels	7.300	"
"	4 Silicious-manganese steel for cambered springs	300.000	"
"	5 Electrodes for electric solderings	500.000	"
"	" Swedish type iron rods for oxy-acetylene solderings	300.000	"
"	" Cast-iron small bars, for c.s. solderings	100.000	"
"	6 Extra-soft steel in wire for oxy-acetylene solderings	50.000	"
"	7 Steel screws for metal	15.000	"
"	8 " " wood	30.000	"
"	9 wrenches	2.000	Dozens
"	" Saw blades	5.000	"
"	" Circular saw-blades	10.000	"
"	10 Helicoidal points	200.000	"
"	" Flat-round tiles etc	200.000	"
"	" Black steel netting	10.000	Kg.
"	" Galvanized steel netting as mosquitos screen	15.000	"
"	11 Copper in tubes	100.000	"
"	12 Aluminium in sheets	10.000	"
"	" Copper in sheets	50.000	"
"	" Zinc in sheets	5.000	"
"	13 White metal for anti-friction	30.000	"
"	" Copper in blocks	100.000	"
"	" Tin	50.000	"
"	" Arsenic	500	"
"	14 Glass paper	30.000	n.
"	" Emery paper	30.000	"
"	" Manganeseite	25	Ton.

2833

Enclosure 1

Steel in unsoldered pipes

da mm.	20 x 16	4.000
"	22 x 17	25.000
"	28 x 24	3.000
"	35 x 30	5.000
"	35 x 28	11.000
"	44,5 x 39,5	45.000
"	51 x 46	40.000
"	54 x 47	6.000
"	70 x 64	35.000
"	76 x 70	3.000
"	108 x 100	3.000
"	121 x 113	3.000
"	133 x 125	17.000
"	13,25 x 8,75	4.000
"	16,75 x 12,25	3.000
"	21,25 x 15,75	8.000
"	26,75 x 21,25	5.000
"	33,5 x 27	105.000
"	42,25 x 35,75	6.000
"	48,25 x 41,25	3.000
"	60 x 52,5	4.000
"	66 x 58,5	3.000
"	44,5 x 24,5	5.000
"	51 x 29	8.000
"	57 x 35	10.000
"	63,5 x 27,5	5.000
"	76 x 40	6.000
"	83 x 51	6.000
"	95 x 67	8.000
"	114 x 62	10.000
TOTALS		400.000

For different purposes and consequently for the repairing and, the case occurring, the making of tubing for locomotive fire-boxes, for locomotive accessories (compressed air piping of brake sand-ejectors) and for manufacturing collars.

2800

Rs. 400.000

FOR A

1949

Closure 2

Steel Plates R.42 A 50 KG. n/a2 A.18 a 19

Thin plates

da mm	2000 x 1000 x 0,5	Kg 5.000
"	" 2000 x 1000 x 1	" 10.000
"	" 2500 x 1000 x 1,5	" 20.000
"	" 3000 x 1200 x 2	" 25.000
"	" 3000 x 1200 x 3	" 40.000
TOTAL		Kg 100.000
		=====

Thick plates

da m/m	3000 x 1500 x 4	Kg 80.000
"	" 3000 x 1500 x 5	" 100.000
"	" 3000 x 1500 x 6	" 20.000
"	" 3000 x 1500 x 7	" 20.000
"	" 3000 x 1500 x 8	" 20.000
"	" 3000 x 1500 x 10	" 100.000
"	" 5050 x 4150 x 10	" 60.000
TOTAL		Kg 400.000
		=====

1950

"	"	2500 x 1000 x 1,5	"	20.000
"	"	3000 x 1200 x 2	"	25.000
"	"	3000 x 1200 x 3	"	40.000
				=====
TOTAL			Kg	100.000

Thick plates

des m/m	3000 x 1500 x 4	Kg	80.000
"	3000 x 1500 x 5	"	100.000
"	3000 x 1500 x 6	"	20.000
"	3000 x 1500 x 7	"	20.000
"	3000 x 1600 x 8	"	20.000
"	3000 x 1500 x 10	"	100.000
"	5050 x 4150 x 10	"	60.000
TOTAL			Kg 400.000
=====			

2821

1951

SPECIAL STEEL FOR TOOLS

- Rapid steel (Ry. State Type) - A 1 - for lathe - speed of work per minute:

with strength 50-60 meters 36
" " 80-90 " 14

round m/m 32	-	Kg. 400
" " 35	-	" 400
Square " 30	-	" 400
" " 40	-	" 400
rectangular m/m 25x15	-	" 400
" " 30x20	-	" 400
" " 50x30	-	" 400

- Rapid steel (Ry. State type) - A 2 - for lathe - speed of work per minute:

with strength 50-60 meters 29
" " 80-90 " 12

round m/m 10	-	Kg. 100
" " 15	-	" 200
" " 20	-	" 200
" " 30	-	" 300
" " 80	-	" 300
" " 100	-	" 300
Square " 10	-	" 200
" " 20	-	" 200
" " 35	-	" 200
Rectangular 20x15	-	" 200
" m/m 30x15	-	" 300
" " 35x25	-	" 200

=====

CHROME-WOLFRAM STEEL (RY. STATE TYPE) B1
FIT FOR MAKING CHISELS, PUNCHES (NOT THROUGH HEATING)
PNEUMATIC TOOLS, "BATTERVOLE", SHEARS

- Round m/m 20	-	Kg 500
" " 25	-	" 500
" " 30	"	" 500
" " 50	-	" 500

with strength 50-60 meters 36
" " 80-90 " 14

round m/m 32	-	kg. 400
" " 35	-	" 400
Square " 30	-	" 400
" " 40	-	" 400
rectangular m/m 25x15	-	" 400
" " 30x20	-	" 400
" " 50x30	-	" 400

- Rapid steel (Ry. State type) - A 2 - for lathe - speed of work per minute:

with strength 50-60 meters 29
" " 80-90 " 12

round m/m 10	-	kg. 100
" " 15	-	" 200
" " 20	-	" 200
" " 30	-	" 300
" " 80	-	" 300
" " 100	-	" 300
Square " 10	-	" 200
" " 20	-	" 200
" " 35	-	" 200
Rectangular 20x15	-	" 200
" m/m 30x15	-	" 300
" " 35x25	-	" 200

=====

CHROME-WOLFRAM STEEL (RY. STATE TYPE) B1
FIT FOR MAKING CHISELS, PUNCHES (NOT THROUGH HEATING)
PNEUMATIC TOOLS, "BATTERUOLE", SHEARS

- Round m/m 20	-	kg. 500
" " 25	-	" 500
" " 30	"	" 500
" " 50	-	" 500

2820

1953

Enclosure 4

SILICIOUS MANGANESE LAMINATED STEEL FOR CARBETED
SPRINGS OF CARRIAGES

Plain Laminated

mm/ 100 x 13	Kg.	2.000
m/m 114 x 9,5	"	2.000
" 150 x 15	"	2.000
" 90 x 13	"	4.000
" 130 x 15	"	2.000

Striped laminated

m/m 75 x 10	Kg	2.000
" 75 x 13	"	5.000
" 80 x 13	"	5.000
" 90 x 10	"	5.000
" 90 x 13	"	100.000
" 114 x 9,5	"	10.000
" 120 x 13	"	100.000
" 130 x 10	"	10.000
" 130 x 15	"	50.000

TOTAL

Kg 300.000

=====

2829

Enclosure 5

Electrodes jacketed by electric arc:

Of the n. 12	diameter	mm.	2.5	N.	75.000
"	"	"	3.25	"	150.000
"	"	"	4	"	250.000
"	"	"	5	"	75.000
"	"	"	2	"	25.000
"	"	"	1.5	"	25.000
TOTAL				N.	500.000

=====

Iron rods, Swedish type, for oxy-acetylene soldering

mm.	1	N.	100.000
"	2	"	100.000
"	3	"	100.000
TOTAL		N.	300.000

=====

Small silicious cast-iron bars for oxy-acetylene soldering

mm.	10	N.	50.000
"	15	"	50.000
TOTAL		N.	100.000

=====

"	"	"	"	"	"	5	"	75.000
"	"	"	"	"	"	2	"	25.000
"	"	"	"	"	"	1.5	"	25.000
TOTAL								N. 500.000

1	N.	100.000
2	"	100.000
3	"	100.000
TOTAL		N. 300.000

10	N.	50.000
15	"	50.000
TOTAL		N. 100.000

2823

Enclosure 6

Extra soft steel in wire for oxy-acetylene soldering

Of the diameter of mm.	2	Kg.	1.000
"	"	"	3.000
"	"	"	4.000
"	"	"	10.000
"	"	"	12.000
"	"	"	10.000
"	"	"	10.000

TOTAL

Kg. 50.000

=====

1957

"	"	"	"	"	"	3	"	3.000
"	"	"	"	"	"	4	"	4.000
"	"	"	"	"	"	5	"	10.000
"	"	"	"	"	"	6	"	12.000
"	"	"	"	"	"	7	"	10.000
"	"	"	"	"	"	8	"	10.000

TOTAL
Kg 50.000
=====

2827

Steel screws for metal with Whitworth thread Hexagonal head

2826

"	"	5/16"	x	"	30	"	40.000
"	"	3/8"	x	"	30	"	40.000
"	"	7/16"	x	"	25	"	7.000
"	"	1/2"	x	"	17	"	20.000
"	"	1/2"	x	"	30	"	10.000
Cylindrical head bored							
"	"	1/4"	x	"	21	"	4.000
"	"	5/16"	x	"	21	"	4.000
"	"	5/8"	x	"	21	"	4.000
Unpotted head with cap							
"	"	5/16"	x	"	23	"	3.000
Round head							
"	"	1/8"	x	"	7	"	3.000
"	"	3/16"	x	"	10	"	30.000
"	"	1/4"	x	"	10	"	80.000
"	"	1/4"	x	"	25	"	60.000
"	"	5/16"	x	"	11	"	60.000
"	"	5/16"	x	"	25	"	40.000
"	"	3/8"	x	"	25	"	40.000
"	"	1/2"	x	"	20	"	40.000
Flat unpotted head							
"	"	1/8"	x	"	7	"	20.000
"	"	3/16"	x	"	15,5	"	20.000
"	"	3/16"	x	"	20	"	30.000
"	"	3/16"	x	"	25	"	30.000
"	"	1/4"	x	"	20	"	30.000
"	"	1/4"	x	"	25	"	30.000
"	"	5/16"	x	"	21	"	30.000
"	"	3/8"	x	"	16	"	30.000
"	"	7/16"	x	"	17	"	30.000

Total equivalent to about 15.000 kilos

2826

- page 1

Steel Screws for wood

Hexagonal head	m/m.	7	x	30	n.	1.000
"	"	7	x	30	"	1.000
"	"	10	x	50	"	7.000
"	"	10	x	60	"	2.000
"	"	10	x	70	"	2.000
"	"	10	x	90	"	2.000
"	"	10	x	100	"	3.000
"	"	12	x	90	"	3.000
"	"	12	x	100	"	8.000
"	"	15	x	100	"	12.000
"	"	15	x	110	"	5.000
"	"	15	x	130	"	5.000
"	"	8	x	40	"	1.000
"	"	8	x	45	"	1.000
"	"	8	x	50	"	2.000
"	"	8	x	60	"	5.000
"	"	8	x	70	"	5.000
"	"	10	x	60	"	4.000
"	"	10	x	70	"	4.000
"	"	12	x	90	"	2.000
"	"	12	x	100	"	5.000
"	"	12	x	110	"	10.000
"	"	14	x	100	"	10.000
"	"	14	x	130	"	1.000
"	"	14	x	150	"	1.000
"	"	14	x	175	"	1.000
"	"	16	x	130	"	1.000

Square head	m/m.	7	x	30	n.	1.000
"	"	7	x	30	"	1.000
"	"	10	x	50	"	7.000
"	"	10	x	60	"	2.000
"	"	10	x	70	"	2.000
"	"	10	x	90	"	2.000
"	"	10	x	100	"	3.000
"	"	12	x	90	"	3.000
"	"	12	x	100	"	8.000
"	"	15	x	100	"	12.000
"	"	15	x	110	"	5.000
"	"	15	x	130	"	5.000
"	"	8	x	40	"	1.000
"	"	8	x	45	"	1.000
"	"	8	x	50	"	2.000
"	"	8	x	60	"	5.000
"	"	8	x	70	"	5.000
"	"	10	x	60	"	4.000
"	"	10	x	70	"	4.000
"	"	12	x	90	"	2.000
"	"	12	x	100	"	5.000
"	"	12	x	110	"	10.000
"	"	14	x	100	"	10.000
"	"	14	x	130	"	1.000
"	"	14	x	150	"	1.000
"	"	14	x	175	"	1.000
"	"	16	x	130	"	1.000

Flat unpotted head	w/m	2,6	x	10	Grosses	500
"	"	2,6	x	15	"	500
"	"	3	x	15	"	800
"	"	3	x	20	"	500
"	"	3	x	25	"	500
"	"	3	x	30	"	1.000
"	"	3	x	35	"	500
"	"	3	x	40	"	500
"	"	3,5	x	25	"	500
"	"	3,5	x	30	"	1.000
"	"	4	x	20	"	1.000
"	"	4	x	25	"	1.000
"	"	4	x	30	"	1.000
"	"	4	x	35	"	1.000
"	"	4	x	40	"	2.000
"	"	4	x	45	"	1.000
"	"	4	x	50	"	1.000

1000

785021

2222

[illegible]

Enclosure 8 page 2

Steel screws for wood

Flat unpotted head	m/m	x	grosses	
"	"	30	"	500
"	"	35	"	500
"	"	40	"	500
"	"	45	"	500
"	"	50	"	500
"	"	60	"	500
"	"	25	"	500
"	"	35	"	500
"	"	45	"	500
"	"	50	"	500
"	"	60	"	500
"	"	80	"	500
"	"	50	"	500
"	"	60	"	500
"	"	80	"	500
"	"	100	"	500
"	"	130	"	500
"	"	50	"	500
"	"	70	"	300
"	"	90	"	300
"	"	100	"	300
"	"	130	"	300
Unpotted head with cap	m/m			
"	2,6	x 10	"	700
"	2,6	x 20	"	500
"	3,5	x 25	"	500
"	3,5	x 30	"	400
"	3,5	x 35	"	500
"	4	x 15	"	500
"	4	x 20	"	800
"	4	x 25	"	500
"	4	x 30	"	500
"	4	x 35	"	500
"	4	x 40	"	500
"	4	x 45	"	500
"	4	x 50	"	500
"	4,5	x 25	"	500
"	4,5	x 35	"	500
"	5	x 40	"	200
"	5	x 50	"	200
"	6	x 20	"	200
"	6	x 40	"	200
"	6	x 50	"	300

28024

Material	Unit	Quantity	Weight (kg)	Volume (m³)	Remarks
Unpotted head with cap	m/m	2,6	10		
"	"	2,6	20		
"	"	3,5	25		
"	"	3,5	30		
"	"	3,5	35		
"	"	4	15		
"	"	4	20		
"	"	4	25		
"	"	4	30		
"	"	4	35		
"	"	4	40		
"	"	4	45		
"	"	4	50		
"	"	4,5	25		
"	"	4,5	35		
"	"	5	40		
"	"	5	50		
"	"	6	20		
"	"	6	40		
"	"	6	50		
"	"	7	25		
"	"	7	35		
Total equivalent to kg.			30.000		

1964
Enclosure 9

Wrenches (upright jaws)

About 250 m/m long.....	N.	1.000
" 353 " "	"	1.000

Blades for metal saws

For machines

About 355 m/m long.....	Dozens	1.000
" 406 " "	"	1.000

By hand

About 305 m/m long.....	Dozens	2.000
" 355 " "	"	2.000
" 300 " "	"	2.000

Rail-saws m/m 355 x 46x15.....	"	250
Circular toothed band saw for wood m/m 20-30-40-50.....	Meters	10.2823

Helicoidal Points with cylindrical shank

(every 1/2 mm.)

diameter mm. 1 to mm. 3	n.	40.000
" " 4 to mm. 8	"	90.000
" " 9 to mm. 15	"	40.000

Helicoidal points with morse conical shank

(every 1 mm.)

mm. 11 to mm. 20	n.	15.000
" 21 to mm. 32	"	7.500
" 33 to mm. 60	"	7.500

TOTAL

N. 200.000

Flat parallel files

fine edge cm. 10 to cm. 40	N.	10.000
Half fine edge cm. 15 to cm. 40	"	20.000
Bastard edge cm. 15 to cm. 40	"	20.000

TOTAL

N. 50.000

Half round files

fine edge cm. 15 to cm. 35	N.	10.000
Half fine edge cm. 15 to cm. 35	"	20.000
Bastard edge cm. 20 to cm. 40	"	20.000

TOTAL

N. 50.000

Square files

Fine edge cm. 15 to cm. 35	N.	6.000
Half fine edge cm. 25 to cm. 40	"	12.000
Bastard edge cm. 30 to cm. 40	"	12.000

TOTAL

N. 30.000

2822

Helicoidal points with morse conical shank

(every 1 mm.)

mm.	11 to mm.	20	N.	15.000
"	21 to mm.	32	"	7.500
"	33 to mm.	60	"	7.500

TOTAL
=====

Flat parallel files

fine edge cm. 10 to cm. 40
Half fine edge cm. 15 to cm. 40
Bastard edge cm. 15 to cm. 40

N.	10.000
"	20.000
"	20.000

TOTAL
=====

Half round files

fine edge cm. 15 to cm. 35
Half fine edge cm. 15 to cm. 35
Bastard edge cm. 20 to cm. 40

N.	10.000
"	20.000
"	20.000

TOTAL
=====

Square files

Fine edge cm. 15 to cm. 35
Half fine edge cm. 25 to cm. 40
Bastard edge cm. 30 to cm. 40

N.	6.000	2822
"	12.000	
"	12.000	

TOTAL
=====

Three-corner files

fine edge cm. 10 to cm. 35
Half fine edge cm. 15 to cm. 40
Bastard edge cm. 20 to cm. 40

N.	20.000
"	25.000
"	25.000

TOTAL
=====

TOTAL FILES.....N. 200.000

Enclosure 10 Page 2

Black steel netting with thread
0,2 millimeters thick - with 25
holes on a length of 1"
(couplings)

Kg. 10.000

Varnished galvanized steel netting
as a screen against mosquitos, with
thread of 0,5 mm. - square meshes -
43 holes - 47 per liner decimeter

Kg. 40.000

2821

Enclosure 11

Copper in unsoldered tubes

mm.	8	x	5		Kg.	2.000
"	10	x	8		"	5.000
"	12	x	9		"	5.000
"	15	x	12		"	1.000
"	20	x	17		"	1.000
"	22	x	19		"	2.000
"	35	x	28		"	2.000
"	43	x	33		"	10.000
"	48	x	38		"	25.000
"	50	x	40		"	30.000
"	50	x	45		"	2.000
"	55	x	50		"	2.000
"	63	x	53		"	2.000
"	68	x	58		"	8.000

TOTAL Kg. 100.000

=====

2820

1969

Enclosure 12

Aluminium in sheets

mm.	2000 x 1000 x 0,5	Kg	500
"	2000 x 1000 x 1	"	1.500
"	2000 x 1000 x 1,2	"	2.000
"	2000 x 1000 x 2	"	3.000
"	2000 x 1000 x 4	"	3.000

Kg. 10.000

TOTAL

Arsenious copper for loco. fire-boxes

mm.	5500 x 2100 x 16	N.	5
"	5500 x 2200 x 16	"	5
"	5500 x 2400 x 16	"	5
"	5000 x 1300 x 16	"	2
"	5000 x 1500 x 16	"	2
"	5500 x 1900 x 16	"	2
"	5500 x 2000 x 16	"	2
"	5500 x 2300 x 16	"	3
"	5500 x 2550 x 16	"	3
"	5500 x 2750 x 16	"	2

N. 31

TOTAL

(Total weight about kg. 50.000)

Zinc in sheets:

mm.	2000 x 1000 x 0,58	Kg.	1000
"	2000 x 1000 x 0,66	"	500
"	2000 x 1000 x 0,82	"	1000
"	2000 x 1000 x 0,95	"	1000
"	2000 x 1000 x 1,96	"	1500

Kg. 5000

TOTAL

2819

Enclosure 13

Antifriction white metal
Kg. 30.000

" 100.000

" 50.000

" 500

=====

Antifriction white metalCopper in blocksNative tin in blocksArsenic in metal or alloy,
rich in AS for copper
materials for loco.fire-boxes

2848

1971

Enclosure 14

Glass and emery paper of the n. 0				sheets n.	5.000
"	"	"	"	"	4.000
"	"	"	"	"	3.500
"	"	"	"	"	2.500
"	"	"	"	"	4.500
"	"	"	"	"	7.000
"	"	"	"	"	3.500

N. 30.000

Emery cloth	"	"	0	"	5.000
"	"	"	00	"	4.000
"	"	"	000	"	3.500
"	"	"	1	"	2.500
"	"	"	2	"	4.500
"	"	"	3	"	7.000
"	"	"	4	"	3.500

N. 30.000

Total

2817

tonn. 25

Manganeseite

=====

/nf

List n. 5

STORES DEPARTMENT ===

List of what is needed, for a period of six months,
as regards materials to be purchased abroad for the
railway-lines in liberated Italy, that is, in the territory
south of the Viareggio-Rimini line (October 1944)

Materials and mechanisms of foreign production
for operation of tracks, signalling, lighting, power
and telegraph.

2810

Materials and mechanisms of foreign production for operation of tracks, signalling, lighting, power and telegraph.

	MATERIALS	Kilos meters Nos.	REMARKS
1	<u>A. RAW MATERIALS</u>		
	Isolating oil for cables	Tons. 120	Raw materials are lacking
	Oil for transformers	" 200	
2	Impressing powders for electric materials (Bakelite and the like)	" 20	Lack of raw materials. Producing factories are residing only in northern Italy
3	Colophony	" 60	
	<u>B. Semi-worked Materials</u>		
4	Isolating paper for cables	" 50	Upper Italy production
5	Aluminium steel ropes	" 200	" " "
6	Bare copper wire and rope	" 300	Firm Corradini - Naples " Fice - Naples (requisitioned)
7	Telegraph copper wire 3 m/m Ø	" 500	Firm SIED-Teheran, damaged through war actions
8	Galvanized iron wire 3 m/m Ø for telegraph	" 800	281 Cantieri di Castellammare (Castellammare yards): requisitioned
9	Small thin silicious iron plates for telephonic apparatus	"	

A. RAW MATERIALS

1	Isolating oil for cables	Tons. 120	Raw materials are lacking
2	Oil for transformers	" 200	
3	Impressing powders for electric materials (Bakelite and the like)	" 20	Lack of raw materials. Producing Factories are residing only in northern Italy
4	Colophony	" 50	
5	Isolating paper for cables	" 50	Upper Italy production
6	Aluminium steel ropes	" 200	" " "
7	Bare copper wire and rope	" 300	Firm Corradini - Naples
8	Telegraph copper wire 3 m/m Ø	" 500	" Fice - Naples (requisitioned)
9	Galvanized iron wire 3 m/m Ø for telegraph	" 800	Firm SIOE-Leghorn, damaged through war actions
10	Small thin silicious iron plates for telephonic apparatus	" 6	2810 Cantieri di Castellammare (Castellammare yards): requisitioned
	<u>C. FINISHED PRODUCTS</u>		Foreign origin (Sweden)
	Telephonic cable fitted with 7 pair 1,5 millimeters conductors, isolated in impregnated paper	Km. 125	Producing Firms: SIOE-Leghorn, of which no new is at hand as yet FICE-Naples-requisitioned

1975

	MATERIALS	Kilos meters Nos.	REMARKS
11	Telephonic cables with a special protective cover: a) up to 10 pairs b) " " 20 " c) " " 30 " d) " " 40 "	Km. 65 " 210 " 200 " 3	
12	Wrapped up telephonic cables: a) up to 10 pairs b) " " 20 " c) " " 30 "	" 18 " 42 " 28	
13	Small cable (military type), a one pair item, with accessories for gripping and coupling, for semi- permanent connections	" 150	F.I.O.B.
14	Isolated piping, military type, for provisional connections	" 1200	S.I.O.B.
15	Bipolar cable, with metallic cover, for internal installations 2 square millimeters	" 50	F.I.O.B.
16	Cable with lead cover and special protection for 500 W exercise tension: a) unipolar, 4 square m/m section b) bipolar, 4 square m/m section c) Bipolar, 6 square m/m section d) Tripolar 6 square m/m section e) Tripolar 4 square m/m section	" 13 " 30 " 60 " 30 " 20	"

2814

12	Wrapped up telephonic cables: a) up to 10 pairs b) " " 20 " c) " " 30 " d) " " 40 "	"	210	
13	Small cable (military type), a one pair item, with accessories for gripping and coupling, for semi-permanent connections	"	150	F.I.C.B.
14	Isolated piping, military type, for provisional connections	"	1200	S.I.C.B.
15	Bipolar cable, with metallic cover, for internal installations 2 square millimeters	"	50	F.I.C.B.
16	Cable with lead cover and special protection for 500 W exercise tension: a) unipolar, 4 square m/m section b) bipolar, 4 square m/m section c) bipolar, 6 square m/m section d) tripolar 6 square m/m section e) tripolar 4 square m/m section	"	13	
17	Complete ordinary track, km. 500	"	30	
18	Assorted connections for malleable cast-iron pipes for gas and water	"	60	
		"	30	
		"	20	
		T.90000		Vignole rails, about 46 kg per meter - wooden or steel ties
		"	25	Manufactured by Falc Steel Works in Milan and by Necchi Pavia

	MATERIALS	Kilos meters Nos.	REMARKS
19	Apparatuses for cement injections gun, type, Ransome and Caniff	N. 4	Richard-Ginori, Florence news on this firm is at hand.
20	Air compressor with petrol-motor, capacity 1,3 - 3 and 7 cubic meters	" 7	Other factories are established in upper Italy
21	Telegraph isolators	100000	
22	Central telephonic installations, Westrn type for D.C & D.U	N. 20	F.A.C.E. and Perego at Milan
	Station telephonic installations for D.U. & D.C.	" 260	
23	Wall and table automatic telephones	" 800	F.A.T.M.E. Rome: requisitioned
24	Automatic and inter- communicating select- ive telephones in ordinary and tight box	" 1225	F.A.C.E. and Perego at Milan
25	Morse telegraphic machines complete with galvanometer, keys and commutators	" 900	
26	Transmitter and receiver radiotele- phonic apparatuses for transmissions up to 50 km., to be fed both with batteries and with a.c.	14	
27	"Semiseccche" (liter- ally: semidry) batteries: Cylindrical 70x175 m/m 1000000		Superpila, Florence - The firm lacks current, gas and raw materials.

2813

1978

20	Air compressor with petrol-motor, capacity 1,5 - 3 and 7 cubic meters	"	7	Other factories are established in upper Italy
21	Telegraph isolators		100000	
22	Central telephonic installations, Western type for D.C & D.U station telephonic installations for D.U. & D.C.	N.	20	F.A.C.E. and Perago at Milan
23	Wall and table automatic telephones	"	260	F.A.T.M.S. Rome:requisitioned
24	Automatic and inter-communicating selective telephones in ordinary and tight box	"	800	F.A.C.E. and Perago at Milan
25	Morse telegraphic machines complete with galvanometer, keys and commutators	"	1225	
26	Transmitter and receiver radiotelephonic apparatuses up to 50 km., to be fed both with batteries and with a.c.		14	
27	"Semisacche"(literally: semidry) batteries: Cylindrical 70x175 m/m100000 Prismatic 100x100x210 m/m		50000	Superpila, Florence - The firm lacks current, gas and raw materials.

MATERIALS	Kilos meters Nos.	REMARKS
<u>VI - MATERIALS AND MACHINERY FOR PLANT ELECTRIC LIGHTING INSTALLATIONS AND FOR CHARGING OF ACCUMULATORS</u>		
28 Dynamo motor-gener- ators with the following features: a) alternating cur- rent motor, 250 W., 50 periods, coupling with a continuous current Dynamo, excitation in deriv- ation at compound 35 Kw power, 300/480 V tension, A. 120/75 n.	10	Not from Italy only
b) Dynamo as above, 9 Kw, 150/240 V tension A. 120/75	3	
c) Dynamo as above, 9 Kw, 150/240 V., A. 60/40	5	do.
29 Quick silver vapour rectifiers with glass phial for a.c. 250 W 50 periods, Kw 18 power, V. 150/240, A. 150/75	4	
30 do. Kw 9, V/150/240 A. 60/40 (complete with board and measurement apparat- us)	6	2812
31 Switches, deviators current catchers, spindles etc		

26

FOR CHARGING OF
ACCUMULATORS

Dynamo motor-gener-
ators with the
following features:

a) alternating cur-
rent motor, 250 W.,
50 periods, coupling
with a continuous
current Dynamo,
excitation in deriv-
ation at compound
35 Kw power, 300/480
V tension, A. 120/75 n.

10

Northern Italy only

b) Dynamo as above,
9 Kw, 150/240 V tension
A. 120/75

3

c) Dynamo as above, 9
Kw, 150/240 V., A.
60/40

5

Quick silver vapour
rectifiers with glass
phial for a.c. 250 W
50 periods, Kw 18
power, V. 150/240,
A. 150/75

29

do.

do. Kw 9, V/150/240
A. 60/40 (complete
with board and
measurement apparat-
us)

30

4

2812

Switches, deviators
current catchers,
spindles etc.
for internal
installations

31

6

do. for external
installations

32

5000

1250

do.

1981

	MATERIALS	Kilos meters Nos.	REMARKS
33	Edison Lampholders for outside	n. 15.000	In upper Italy
34	Common Edison Lampholders	" 5.000	"
35	do. with a base	" 1.300	"
36	Low tension lines insulators	" 25.000	"
37	V. 125 Watt electric bulbs, 20-40-60 and 150	" 35.000	"
38	V. 150 Watt electric bulbs, 20-40-60-150	" 35.000	
39	Bulbs for installat- ions in sets A.6.6 Watt 50-100-200	" 2.000	
40	do. A.9.6 Watt 50- 100-200	" 1.100	
41	do. A.20 " 300- 750-1200	" 500	
42	Bulbs for carriages, Swen, fastening V.22 Watt 20	" 50.000	
	do. do. 7 Watt	" 15.000	
<u>VII MATERIALS AND</u> <u>MACHINERIES FOR</u> <u>UNDER STATIONS AND</u> <u>ELECTRIC TRACTION</u> <u>LINES</u>			
43	Cap and pivot insul- ators for contact high tension conductors	" 50.000	
44	Suspension insul-		

2811

34	Common Edison lampholders	"	5.000	"	"
35	do. with a base	"	1.300	"	"
36	Low tension lines insulators	"	25.000	"	"
37	V. 125 Watt electric bulbs, 20-40-60 and 150	"	35.000	"	"
38	V. 150 Watt electric bulbs, 20-40-60-150	"	35.000	"	"
39	Bulbs for instal- lations in sets A.6.5 Watt 50-100-200	"	2.000	"	"
40	do. A.9.6 Watt 50- 100-200	"	1.100	"	"
41	do. A.20 " 300- 750-1200	"	900	"	"
42	Bulbs for carriages, Swan fastening V.22 Watt 20	"	50.000	"	"
	do. do. 7 Watt	"	15.000	"	"

VII MATERIALS AND
MACHINERIES FOR
UNDER STATIONS AND
ELECTRIC TRACTION
LINES

43	Cap and pivot insul- ators for contact high tension conductors	"	60.000	"	"
44	Suspension insul- ators for contact conductors and feeders	"	5.000	"	"

2811

List n. 6

STORES DEPARTMENT

Specification of what is needed, for a period of six months, as regards materials to be purchased abroad for the railway lines in liberated Italy, that is, in the territory south of Viareggio-Rimini (October 1944)

Semi-worked and raw materials for production in Italy of materials for Traction and Carriages Service and for Working and Construction Service.

The quantities pointed out are in addition to those in list n. 4 dealing partially with the same materials intended to constitute stocks in stores.

.2810

Page 2

Steel in tubes for locomotives	Ton.	1200	
Steel in plates for loco.fire boxes	"	225	
Double T steel beams for signalling plants, lighting, power and telegraph		550	
Laminated steel for suspension springs for carriages	"	2500	Shortage of production in liberated Italy
Semi-hard steel in "billette" for tyres and axles	"	1300	
Common steel in blooms for laminated materials			
for carriages	T. 1700		
for parts in cast steel	T. 900		
<u>TOTAL</u>	"	2600	
Cast iron in blocks for loco.cast parts	T. 1700		
do. for carriages	" 8000		
for iron-framing			
and sundries	" 650		
<u></u>	"	10350	
Copper in plates for building tubular plates and fire boxes plating		370	Shortage of factories for production in liberated Italy
Copper wire for aerial electric lines	"	100	

2803

Copper in blocks for making bronze and brass for carriages	T. 200			
For wiredrawing for electric lines	" 650			
		Tons	850	Foreign production
Tin for sundry alloys			80	
<u>Sundry insulators for electric traction engines</u>				
Bakelite cardboard		Kg.	1500	Northern Italy manu- facture
Insulating electro-thermic compound in sheets for electric dressings		"	3000	
Incombustible insulating compound to be used near the electric arc		"	2000	
"Sterlingato" band		meters	50000	
"Sterlingato" tube		"	3000	
Mica in sheets		Kg	1000	Foreign
Asbestos for fittings		"	2000	origin
Asbestos in rope simply twisted		"	500	
4 m/m in diameter		"	500	
6 m/m in diameter		"	2830	
10 m/m in diameter		"		
asbestos in rope jacketed with graphite, square section		"	800	
m/m 6 in diameter		"	2100	
m/m 10 in diameter				

	Total	tons	Foreign production
bronze and brass for carriages	£. 200		
For wiredrawing for electric lines	" 650		
Tin for sundry alloys		850	80
<u>Sundry insulators for electric traction engines</u>			
Bakelite cardboard		Kg. 1500	Northern Italy manufacture
Insulating electro-thermic compound in sheers for electric dressings		" 3000	
Incombustible insulating compound to be used near the electric arc		" 2000	
"Sterlingato" band		meters 50000	
"Sterlingato" tube		" 3000	
Mica in sheets		Kg 1000	Foreign
Asbestos for fittings		" 2000	origin
Asbestos in rope simply twisted			
4 m/m in diameter		" 500	
6 m/m in diameter		" 500	
10 m/m in diameter		" 28350	
asbestos in rope jacketed with graphite, square section			
m/m 6 in diameter		" 800	
m/m 10 in diameter		" 2100	
m/m 15 in diameter		" 1600	

Asbestos in rope covered with graphite, square section			Foreign origin
20 millimeters in diameter	Kg	1500	
25 "	"	800	
30 "	"	400	
Asbestos in sheets of the following thickness			
0,5 millimeters	"	100	
1 "	"	500	
2 "	"	1700	
3 "	"	2400	
4 "	"	3500	
5 "	"	950	
6 "	"	500	
7 "	"	400	
Cardboard of pounded matter			
1,5 millimeters thick	Kg	13000	
White adhesive gummed ribbon			
	meters	78000	
Black "	"	58000	
Total meters		146000	
=====			

made in Northern
Italy

/n²

List n. 7

STORES DEPARTMENT

Specification of what is needed, for a period of six months, as regards materials to be purchased abroad for the lines in liberated Italy, that is, in the territory south of Viareggio - Rimini line (October 1944)

Rolling Stock

Locomotives and Carriages

2800

page 2

Locomotives of high capacity for goods trains n. 100

Locomotives of high capacity for traveller
trains " 50

Manoeuvring locomotives " 20

Luggage - wagons " 200
Wagons " 500
Carriages " 6000

2800

/nr

List n. 8

STORES DEPARTMENT

Specification of what is needed, for a period of six months, as regards materials to be purchased abroad for the railway lines south of Viareggio-Rimini line (October 1944)

Sanitary material for operation of Surgeries.

2804

Complete equipment in sanitary pieces of furniture and surgical instruments for 20 medical and surgical ambulatories.

MEDICINALS

Hydrogen peroxide water, 100 gramme bottles	n.	200
Purified benzoline	Kg.	150
Hypochloride calcium intablets for Dakin liquid, in small tubes	n.	200
Sulphuric ether	liters.	30
Caffeine solution, phials boxes	n.	150
Novocaine solution	"	100
Ergotine	"	100
Morphine	"	150
Camphorated oil	"	200
Glycerin	Kg.	20
Iodine tincture	"	30
Iodine tincture in phials, boxes	N.	600
Boracic raseline	Kg.	20
Polivalent antipioegen ointment in tubes	n.	150

MEDICATION MATERIAL

2800

Bandages for shoulder dislocation	n.	350
Hydrophilus genze bandage 5x5	n	20000
" " " 5x10	"	15000
" " " 5x15	"	10000
Starched bandage	"	350

Purified benzoline	Kg.	150
Hypocloride calcium intabets for Dakin liquid, in small tubes	n.	200
Sulphuric ether	liters.	30
Caffeine solution, phials boxes	n.	150
Novocaine solution	"	100
Ergotine	"	100
Morphine	"	150
Camphorated oil	"	200
Glycerin	Kg.	20
Iodine tincture	"	30
Iodine tincture in phials, boxes	N.	600
Boracic raseline	Kg.	20
Polivalent antipogen ointment in tubes	n.	150

MEDICATION MATERIAL

2800

Bandages for shoulder dislocation	n.	350
Hydrophilus ganze bandage 5x5	n	20000
" " " 5x10	"	15000
" " " 5x15	"	10000
Starched bandage	"	350
Hydrophilus cotton, 100 grammes packages	"	6000
" " 50 "	"	10000
" " 25 "	"	10000
Adhesive plaster, 2x5 centimeters, rollers	"	350
Hydrophilus ganze, 10x10 compresses, packages 100 each	"	10000
Hydrophilus ganze, 1 meter	"	6000

page 3

SUNDRIES

Assorted syringe needles	n.	600
" suture "	"	150
Compressing cords	"	150
Rubber gloves, pairs	"	40
Alcohol glass lamps	"	60
Aseptic silk, tubes	"	50
Hypodermic syringes, 2 cubic centimeters	"	300
" " 5	"	100
" " 10	"	80
Clinical thermometers	"	200

29

1994