Declassified E.O. 12356 Section 3.3/NND No. 785021

ACC AC 14 10000/148/1770 (1 OF 2) A.C. M
DEC.

Declassified E.O. 12356 Section 3.3/NND No. 785021

0 (1 OF 2) A.C. MAT. 14 - SIX MONTH SUPPLY REQUEST
DEC. 1944 - FEB. 1946

0396

Declassified E.O. 12356 Section 3.3/NND No. 785021

GSB/fb.

TRANSPORTATION & SHIPPING SUB-COMMISSION, AC
(RAIL DIVISION)
c/o Transportation (Sr) Main
C.M.F.

Tel: 843191/11.
Ref: AC/Mat/14/30/Tn.4.

23 February 1946.

SUBJECT : Covers Waterproof.

TO : D.O.S., G.H.Q., C.M.F.
Attn.: Capt.P.Fingon-Rouse.

Reference your LOS/1567/2 (ORD 1) dated 23 February 1946.

1. I.S.R. have confirmed name and address of their Agent as :-

Sig. Fiorini Ugo,
Capo Agenzia Marittima F.S.,
Napoli-Margellina.

2. The non-delivery of previous letters might have been due to incorrect address.

Major R.E.
for DIRECTOR.

350

0397

Declassified E.O. 12356 Section 3.3/NND No. 785021

STORE SERVICE ISR.

NOTE FOR MAJ. BARNES

Ref. A.77 Segret.

As previously signalled to our Store Service, N° 4000 tarpaulins loaded on the ship "Toscana" sailing from Alexandria and to be unloaded at Naples, have been assigned to the ISR.

We have been informed that the ship has arrived in that harbour during the night of Feb. 11, but no tarpaulins were loaded on her.

We had notice, besides, that some difficulties about the supply of tarpaulins to ISR have arisen and that, however, this supply has been temporarily suspended.

Will you please let us know if we can rely upon the delivery of the 4000 tarpaulins in question, and if they will be loaded on another ship destined to one of our harbours.

We would appreciate any timely information on this matter and are confirming the urgent need of tarpaulins in which we presently are.

Ogd. Ing. Bracci

Rome 22 February 1945.

359

Servizio Approvvigionamenti

P R O M E M O R I A

per il Sig.Magg.Barnes

A. ff. Segret.

Come da segnalazione fatta a suo tempo a questo Servizio Approvvigionamenti, sono stati assegnati alle Ferrovie dello Stato n.4.000 copertoni da carri, caricati sulla nave Toscana, proveniente da Alessandria d'Egitto e destinata per l'approdo al porto di Napoli.

Si è avuta notizia che la nave è arrivata in detto porto la sera dell'11 corrente ma non aveva a bordo il carico dei suddetti copertoni.

Risulterebbe, d'altra parte, che per la fornitura di tali copertoni alle F.S. siano sorte delle difficoltà e che, comunque, la fornitura stessa sarebbe tenuta temporaneamente in sospeso.

Si prega di far conoscere se questa Amministrazione può fare sicuro affidamento sulla fornitura dei 4.000 copertoni in parola e se i medesimi verranno caricati su altra nave in arrivo in uno dei nostri porti.

Saremo grati se ci verrà favorita notizia tempestive in proposito, mentre confermiamo l'urgente necessità di venire in possesso dei detti copertoni, dei quali lamentiamo grande deficienza.

Roma, li 22/2/1946

Declassified E.O. 12356 Section 3.3/NND No. 785021

Risulterebbe, d'altra parte, che per la fornitura di tali copertoni alle F.S. siano sorte delle difficoltà e che, comunque, la fornitura stessa sarebbe tenuta temporaneamente in sospeso.

Si prega di far conoscere se questa Amministrazione può fare sicuro affidamento sulla fornitura dei 4.000 copertoni in parola e se i medesimi verranno caricati su altra nave in arrivo in uno dei nostri porti.

Saremo grati se ci verrà favorita notizia tempestiva in proposito, mentre confermiamo l'urgente necessità di venire in possesso dei detti copertoni, dei quali lamentiamo grande deficienza.

Roma, li 22/3/1946

Declassified E.O. 12356 Section 3.3/NND No. 785021

10400

Declassified E.O. 12356 Section 3.3/NND No. 785021

Subject:- Covers Waterproof

2 Sub Depot,
557 B.C.D., CMF.

Cap. Agenzia Marittima Fiorini

Ref:- 2/JCM/RC/92/14
12 Jan. 1946

1. Quantity 4000 Covers WaterpProof are being sent from Middle East to Naples Docks.

2. These are required at the Poggioreale I.S.R. Warehouse, Naples, for the Italian State Railways.

3. When the name of the ship and expected date of arrival are known you will be informed.

4. In the meantime can you liaise with the Port Ordnance Officer, Naples and arrange for direct delivery from the Docks to I.S.R. Warehouse Naples.

G. Falkner Major.
O.C. 2 Sub Depot.

/M.

Copy to:- P.C.O. Naples Port =
O.C.O. 557 B.C.D.
D.C.S., CMD. CHQ., CMF. - Your DCM/1567/2 (CMD I) of 17 Jan. 46 refers.
Transportation Sub Commission A.C. (Rail Divn)
c/o Transportation (BK) Main C.M.F.

= Will you kindly advise this office when the 4000 Covers Waterproof have been cleared from the Docks to I.S.R. Warehouse.

95 7

0401

Declassified E.O. 12356 Section 3.3/NND No. 785021

CMI/av

TRANSPORTATION AND SHIPPING SUB-COMMISSION, A.C.
(RAIL DIVISION)
c/o Transportation (Br) Main
C.M.F.

Tel: 843191-11
Ref: AC/Mat/14/26/Tn 4

24 November 1945

400/175

SUBJECT : Requisition TRANS IV F-105

TO : Economic Section - Requisition Branch
Attn: Mr. Lynch

1. With reference to Requisition TRANS IV F-105 covering material required by the Italian State Railways for second period 1945.

2. Attached hereto is copy of cable received from Zone of Interior through Peninsular Base Section by Dep. Dir. M.R.S. with regard to Item 217 on subject requisition.

3. Please adjust your record accordingly.

/s/ Illegible
for DIRECTOR

Incl: Copy of Cable referred to in para 2.

Copy to: Chief of Stores Service I.S.R. Bldg.

25 6

0402

Declassified E.O. 12356 Section 3.3/NND No. 785021

COPY

MABA V MJAQ NR 5

FROM MJAQ 16171A

TO DMMS

GR 103 ET

UNCLASSIFIED FD FMBASE C1717 FD CITE BYGDS AND BTEN SEVEN ONE EIGHT ONE FD SU ELIES ORDERED REQUISITION FOX ONE ZERO FIVE IS SUBJECT FD ITEM TWO ONE SEVEN IS STANDARD AG FORM THREE ZERO ONE CMA REQUEST REQUISITION BE SUBMITTED THROUGH THEATER AG FOR THIS ITEM FD CONSIDERING ITEM TWO ONE SEVEN CANCELLED ON ORIGINAL DEMAND FD

2525

0403

Declassified E.O. 12356 Section 3.3/NND No. 785021

ORDNANCE DIRECTORATE
G. H. Q. C. M. F.

SUBJECT - COVERS WATERPROOF

REF: DOS/1567/2 (ORD 1)

TEL: FREEDOM 991

25 JANUARY, 1946.

TO: TRANSPORTATION SUB COMMISSION
AC, (RAIL DIV) C/O
TRANSPORTATION (BR) MAIN CMF.

REFERENCE YOUR AC/MAT/14/169/TN4 OF 17 NOV 45 AND SUBSEQUENT CORRESPONDENCE.

1. YOUR ATTENTION IS INVITED TO :-

(A) 00 2 SUB DEPOT 557 BOD LETTER 2/JOB/PC/92/14 OF 22 JAN ADDRESSED TO CAP. AGENZIA MARITTIMA FIORINI, COPY TO YOU. TELECON BARNES/ROWLEY BEARS REFERENCE TO THIS LETTER.

(B) ATTACHED COPY OF DOS MEF LETTER DOS/13275/42(6) OF 17 JAN.

2. NO ACTION IS PROPOSED BY THIS DIRECTORATE UNTIL THE FIRM SHIPPING DETAILS ARE KNOWN, UNLESS YOU HAVE ANY IMMEDIATE COMMENTS.

T.O.O. 1215A

F.C. Rowley

(F.C. ROWLEY) MAJOR,
D.A.D.O.S.,
FOR MAJ-GEN.,
D.O.S., G.H.Q., C.M.F.

Where is this? 25/1

Declassified E.O. 12356 Section 3.3/NND No. 785021

COPY

SUBJECT - COVERS WATERPROOF

COPO (ME)

COPY TO:- ADTN 2, GHQ, MEF.
DOS, GHQ, CMF
COO 557 BOD, CME

GHQ MEF
TEL ME 590
DOS/13275/42(6)

17 JAN 1944

REFERENCE YOUR LETTER COPO/1531/6/(584) DATED 8 JAN IN RESPECT OF 4,000 COVERS WATERPROOF FOR ITALIAN STATE RAILWAYS.

1. THE COVERS IN QUESTION ARE AT PRESENT HELD IN A R.E. DEPOT. THEY ARE BALED IN PAIRS AND CARRY R.E. STORE MARKINGS I.E. 6 POINTED BUFF STAR.

2. TO AVOID REMARKING 2,000 BALES WITH ORD. MARKINGS, IT HAS BEEN DECIDED THAT SHIPMENT SHALL BE MADE THROUGH TN. CHANNELS AND HAND OVER WILL TAKE PLACE IN CMF TO 557 BOD.

3. WHEN FIRM SHIPPING DETAILS ARE KNOWN THESE WILL BE SIGNALLED TO ALL CONCERNED.

(SGD) C.B. RICHARDSON, CAPT.,
FOR BRIGADIER,
D. O. S.

CHR/AJH

3503

0403

Declassified E.O. 12356 Section 3.3/NND No. 785021

ORDNANCE DISPATCH
G. H. Q. O. M. F.

Subject: Covers Waterproof.

Ref: DOS. 1567/2 (OFD. 1)

To: GS 2 Sub Depot 557 ASC.

Tel: Finance 591.

17 JANUARY, 1946.

Reference your 2/301/92/14 of 31 Dec. 45 and further to COFD/1531/6(382) of 8 Jan.

1. The covers are required at the Pompiorenle I.S.R. Warehouse, Naples, and contact should be made with Capo Da Chaino FARARO or the I.S.R. Agent - Capo Agencia Maritime - FIORINI.

2. A.A.F. have been requested to signal the name of the ship carrying the covers in order that you can arrange direct delivery to the I.S.R. from the Docks. The stores to be vouchered to Transportation Sub Commission, A.C. (Rail Division) c/o Transportation (Dr) Main GHF.

H.C. Rowley

(H.C. ROWLEY) Major.
D.A.D.O.S.
for Major.
D.O.S., G.H.Q., C.M.F.

T.S.U. 1574

2502

Copy to: GS(S) 557 ASC.

Transportation Sub Commission A.C. (Rail Divn.) c/o Transportation (Dr.) Main GHF.

(Your AG/Mov/11/28/TRL of 31 Dec. and telecon Messrs Barnes/Rowley refers. The covers now having been released by War Office.

0406

Declassified E.O. 12356 Section 3.3/NND No. 785021

DH/rb.

TRANSPORTATION & SHIPPING SUB-COMMISSION, AC
(RAIL DIVISION)
c/o Transportation (Br) Main
C.M.F.

Tel: 843191/11
Ref: AC/Met/14/29/Tn.4

11 January 1946.

SUBJECT : Wagon Sheets.

TO : Ministry of Transports I.S.R.
Att. Director General.

1. Reference your letter A 25 A/833/31.230/L/ICCA/7175 dated 15 November 1945.

2. Information has been received, that the British War Office has been requested to state if the Wagon Covers can now be released.

3. You will be notified of the reply, when received by this office.

DIRECTOR

25

Declassified E.O. 12356 Section 3.3/NND No. 785021

ORDNANCE DIRECTORATE
G. H. Q. C. M. F.

Subject: Covers Waterproof. Ref: DOS. 1567/2 (ORD. 1)

Tel: FREEDOM 991

To: Transportation Sub-Commission 9 JANUARY, 1946.
A.C.,
(Rail Div) c/o Transportation (Br)
Main, CMF.

Reference yourAC/Mat/14/28/Tn4 of 31 Dec. 45.

1. The War Office have recently been requested to state if the Covers can now be released. You will be informed of the answer immediately on receipt.

2. It is regretted that no tentage is available for sale.

(F.C. ROWLEY) Major.
D.A.DO.S.
for Maj-Gen.
D.O.S., G.H.Q., C.M.F.

T.O.C.....

0402

Declassified E.O. 12356 Section 3.3/NND No. 785021

DH/fb.

TRANSPORTATION & SHIPPING SUB-COMMISSION, AC
(RAIL DIVISION)
c/o Transportation (Br) Main
C.M.F.

Tel: 643191/11
Ref: AC/Mat/14/28/Tn.4.

31 December 1945.

SUBJECT : Covers Waterproof.

TO : D.O.S., G.H.Q., C.M.F.
Attn. Major F.C.Rawley.

1. Reference your letter DOS. 1587/2 (ORC 1), dated 23 October 1945, and our reply reference AC/Mat/14/25/Tn.4, dated 17 November 1945.

2. It would be appreciated, if this office could be informed of the present position, regarding the 4,000 Covers Waterproof referred to, in the above correspondence.

3. Since the need for this material is now extremely critical, may we be advised if it is possible for the I.S.R. to purchase tentage, sufficient for the manufacture of 10,000 Covers Waterproof, through normal channels of supply.

For the Chief Commissioner

G.S. BARNES,
Major R.E.

Declassified E.O. 12356 Section 3.3/NND No. 785021

ChL/av

TRANSPORTATION AND SHIPPING SUB-COMMISSION, AC.
(RAIL DIVISION)
c/o Transportation (Br) Main

Tel: 843191-11
Ref: AC/Mat/14/~~165~~/Tn 4

17 November 1945

SUBJECT : Cover Waterproof.

TO : D.O.S. G.H.Q. C.M.F.
Attn: Major F.C. Rawley

1. Reference your D.O.S. 1567/2 (ORD1) dated 23 October 1945 advising that the issue of Covers Waterproof had been temporarely susponded.

2. The Director General I.S.R. was advised accordingly and copy of his reply is attached hereto for your information.

3. Due to the urgency of the requirement it is hoped that the suspension will be lifted soon.

For the Chief Commissioner:

C.M. LONG, Major C.E.

Incl: Letter referred to in para 2.

3528

Copy to : D.G. I.S.R. Bldg.

0410

Declassified E.O. 12356 Section 3.3/NND No. 735021

MINISTRY OF TRANSPORTS
I.S.R.
Stores Service

Rome 15 November 1945

A 25 A/833/31.230.L/ICCA/7175/

SUBJECT : Wagon sheets.

TO : Transportation Sub-Commission AC. Bldg.

1. With reference to your letter AC/Mat/14/22/Tn 4 dated 27 October 1945 advising that the supply of wagons sheets for I.S.R. to be received from the Tn. Stores in Middle Orient has been provisionally suspended.

2. In view of the incoming rain season and of the shortage of wagon sheets due to the war destructions, the I.S.R. are in urgent need of at least 14,000 water-proof sheets, to meet the traffic requirements.

3. Please kindly arrange, as soon as possible, so that the allocation of this material might be made at the earliest date.

Director General
Di Raimondo

15/II CAP.

cb.

3527

CML/av

TRANSPORTATION SUB-COMMISSION, AC.
(RAIL DIVISION)
c/o Transportation (Br) Main
C.M.F.

Tel: 843191-11
Ref: AC/Mat/14/22/Tn 4

27 October 1945

SUBJECT : Wagon Sheets.

TO : Chief of Stores Service I.S.R. Bldg.
Attn: Ing. Bracci

1. Reference our AC/Mat/14/21/Tn 4 dated 16 October 1945 in regard to Wagon Sheets to be received from Transportation Stores in the Middle East.

2. Under date of 23 October 45 the Director of Ordnance, G.H.Q. advises that "The issue of Covers Waterproof (Wagon Sheets) has been temporarily suspended, further information will follow later.

3. This for your information.

DIRECTOR

Declassified E.O. 12356 Section 3.3/NND No. 785021

Attn: Ir. Bridel

1. Reference our AG/Mat/14/21/Tn 4 dated 16 October 1945 in regard to Wagon Sheets to be received from Transportation Stores in the Middle East.

2. Under date of 23 October 45 the Director of Ordnance, G.H.Q. advises that "The issue of Covers Waterproof (Wagon Sheets) has been temporarily suspended, further information will follow later.

3. This for your information.

DIRECTOR

35226

Declassified E.O. 12356 Section 3.3/NND No. 785021

0.4.13

Declassified E.O. 12356 Section 3.3/NND No. 785021

ORDNANCE DIRECTORATE
G. H. Q. C. M. F.

Subject: Covers Waterproof.

Ref: DOS. 1567/2 (ORD 1)

Tel: FREEDOM 991.

To: Transportation Sub-Commission A.C.(Rail Div) c/o Transportation (Br) Main, C.M.F.

23 OCTOBER, 1945.

Further to my DOS. 1567/2 (ORD 1) dated 8 Oct. 45.

1. The issue of Covers Waterproof has been temporarily suspended, further information will follow later.

(F.C. ROWLEY) Major.
D.A.D.O.S.
for Maj-Gen.
D.O.S., G.H.Q., C.M.F.

T.C.O. 1135A

?523

CM L/av

TRANSPORTATION SUB-COMMISSION, AC.
(RAIL DIVISION)
c/o Transportation (Br) Main
C.M.F.

Tel: 843191-11
Ref: AC/Mat/14/21/Tn 4

16 October 1945

SUBJECT : Wagon Sheets.

TO : Chief of Stores Service I.S.R. Bldg.
Attn: Ing. Bracci

1. Reference AC/Mat/14/18/Tn 4 dated 20 September 1945 above subject.

2. Since writing to you we have had an inquiry from the Director of Ordnance Supplies, A.F.H.Q. in regard to the 4000 wagon sheets in question.

3. The D.O.S. was advised that I.S.R. would acquire the entire quantity.

4. The wagon sheets will be shipped from Tn. Store in the Middle East to No.2 Sub Depot 557 BOD Naples who will turn them over to Tn.S/C for the I.S.R.

5. Please advise to what I.S.R. store the wagon sheets are to be consigned from Naples.

Declassified E.O. 12356 Section 3.3/NND No. 785021

1. Reference AC/Mat/14/18/Tn 4 dated 20 September 1945 above subject.

2. Since writing to you we have had an inquiry from the Director of Ordnance Supplies, A.F.H.Q. in regard to the 4000 wagon sheets in question.

3. The D.O.S. was advised that I.S.R. would acquire the entire quantity.

4. The wagon sheets will be shipped from Tn. Store in the Middle East to N°.2 Sub Depot 557 BOD Naples who will turn them over to Tn.S/C for the I.S.R.

5. Please advise to what I.S.R. store the wagon sheets are to be consigned from Naples.

DIRECTOR

3524

Declassified E.O. 12356 Section 3.3/NND No. 785021

0410

Declassified E.O. 12356 Section 3.3/NND No. 785021

CML/nV

TRANSPORTATION SUB-COMMISSION, AC.
(RAIL DIVISION)
c/o Transportation (Br) Main
C.M.F.

Tel: 845191-11
Ref: AG/Mot/14/19/Tn 4

3 October 1945

SUBJECT : Covers Waterproof.

TO : D.O.S. A.F.H.Q.

1. Reference your DOS. 1567/2 (ORD 1) dated 29 September 1945 above subject.

2. This Sub-Commission desires to acquire for I.S.R. the entire quantity of 4000 waterproof wagon sheets 30' x 15' reported surplus to Tn. requirements in middle-east.

3. This Sub-Commission has started proceeding with F.E.A. to procure the a/m sheets but to date there has not been much progress in the matter.

4. The acquisition of the sheets is desired by I.S.R. who have urgent need for their use.

5. Will you please keep this Hq. informed on the matter.

For the Chief Commissioner:

C.M. LONG, Major C.E.

3523

0417

Declassified E.O. 12356 Section 3.3/NND No. 785021

CML/ev

TRANSPORTATION SUB-COMMISSION, AC.
(RAIL DIVISION)
c/o Transportation (Br) Main
C.M.F.

U R G E N T

Tel: 54391-11
Ref: AC/Mat/14/16/Th 4

20 September 1945

SUBJECT : Wagon Sheets.

TO : Chief of Stores Service I.S.R. Bldg.
Attn: Maj. Brocci

1. The Military Railway service advised this Hq. on 28 July 45 in regard to their cancellation of an order for 4000 wagon sheets which are available at a Transportation Stores Depot in the Middle East.

2. The I.S.R. have a great need for these wagon sheets and a requisition was made through G-5 A.F.H.Q. to secure them however G-5 advised on 26 August, that as the period of military responsibility would end on 1 September it was suggested that the requisition be made through A.C. Channels.

3. The requisition has been prepared by A.C. against Category "B" funds but the Finance sub-Commission A.C. advises that they must have a letter from the "Comitato Interministeriale della Ricostruzione" of the Ministry of Reconstruction. The letter must state that the material will be paid for out of Category "B" funds.

4. The wagon sheets are 15 ft x 30 ft. and are of the type used by the British M.R.S.

5. Will you please contact the Committee mentioned in para 3 and furnish the letter requested.

3522

DIRECTOR

Ext.513

HEADQUARTERS ALLIED COMMISSION
APO 394
TRANSPORTATION SUB-COMMISSION

CHR/ew

Ref. 225/6/Tn.2

7 August 1945

SUBJECT: Wagon sheets.

TO : Economic Section, Requisition Branch
(Attn. Lt. Col. Quartier).

1. Reference attached AMD/TW/1E.83 of Transportation (Rr) Main C.C.S. and AC/Mat/14/10/Tn.4 of Allied Commission, Transportation Sub-Commission, Rail Division.

2. We should appreciate your preparation of requisition for subject items in the amount shown.

3. Justification should reflect comments shown in Para 2 and 3 of second reference letter, adding that closed wagons are in critically short supply and losses thru pilferage and spoilage of materials carried in open wagons will be materially reduced by acquisition and use of wagon sheets.

For the Director

CHARLIE RYAN
TRANSPORTATION
Planning Staff

CHARLIE RYAN
Chief, Planning Staff
Transportation Sub-Commission

Declassified E.O. 12356 Section 3.3/NND No. 785021

requisition for subject items in the amount shown.

3. Justification should reflect comments shown in Para 2 and 3 of second reference letter, adding that closed wagons are in critically short supply and losses thru pilferage and spoilage of materials carried in open wagons will be materially reduced by acquisition and use of wagon sheets.

For the Director

CHARLIE RYAN
TRANSPORTATION
Planning Staff

CHARLIE RYAN
Chief, Planning Staff
Transportation Sub-Commission

Copies to:

G-5 (Civil Affairs) Branch, A.F.H.Q.

Transportation (Br) Main C.M.F.
(Attn. Capt. A. H. Hitchcock).

Rail Division
(Attn. Maj. C. M. Long).

3521

Declassified E.O. 12356 Section 3.3/NND No. 785021

Declassified E.O. 12356 Section 3.3/NND No. 785021

CMO/ev

INTER-OFFICE MEMO

File N. AC/Mat/14/15/Tn 4

SUBJECT : Wagon Sheets.

TO : Planning Staff Tn 4
Attn: Mr. C.R.Ryan

1. Attached is copy of letter from D.M.R.S., Med/Tn 2/[illegible].83 dated 28 July 45 in regard to their cancellation of an order for 4000 wagon sheets which are available at a Transportation Stores Depot in the Middle East.

2. The Italian State Railways have a great need for these wagon sheets and it is requested that a requisition be made through G-5 A.F.H.Q. to secure them.

3. The Hemp Control Division have advised on several occasions that they cannot supply the material in the weights required.

4. Will you please advise if it will be possible to initiate the requisition for 4,000 wagon sheets 15 ft x 30 ft so we may answer paragraph 3 of attached letter.

Chief
Rail Division

Incl: Letter referred to in para 1.

Transp. Sub-Commission (Rail Div.)
1 August 1945
Tel: 843191-11

3523

0421

Declassified E.O. 12356 Section 3.3/NND No. 785021

Subject: Wagon Sheets.

Transportation (Br) Main,
C.M.F.
Tel. Firebox 9328.
File: MED/TN2/ME.83.
28 July 45.

To: A.C. Tn., Sub-Commission.

1. In January 1945 we placed a demand on the D.Tn., G.H.Q., M.E.F., for 4,000 Wagon Sheets 30 FT. x 15 FT. for sheeting Railway Wagons containing Military stores. These sheets are now available in Transportation Stores Depot in the Middle East, but as we no longer require them, we have cancelled shipment to Italy.

2. Will you please advise us if these Wagon Sheets are required by the I.S.R., and if so arrange with H.Q. ALCOM to place a demand through G.5(Civil Affairs) Branch, A.F.H.Q.

3. Please let us have your reply as early as possible in order that we can advise D.Tn., G.H.Q., M.E.F. that the Wagon Sheets should be declared surplus to Military requirements.

A.S. Hitchcock

A.S. Hitchcock, S/Capt.,
for Brigadier,
Director of Transportation.

3519

0422

Declassified E.O. 12356 Section 3.3/NND No. 785021

Allied Force
MILITARY RAILWAY SERVICE-ITALY
Office of Director

APO 512
20 December 1945

SUBJECT: Requisition F-105

TO: Transportation Officer
Allied Commission
Transportation Sub-Commission

1. Reference Requisition Transportation IV ISR F-105 covering material required by ISR for second period 1945.

2. Attached hereto is copy of cable received from Zone of Interior through PBS with regard to item 223 on subject requisition.

3. Please adjust your record.

FOR THE DIRECTOR:

L.C. Raymond

L.C. RAYMOND
Captain, TC
Ry Supply Officer

1 Incl - Copy of Cable

cc- ADTN
Lt Col Chaplain

3518

0423

Declassified E.O. 12356 Section 3.3/NND No. 785021

COPY

MABA V MCAQ MR3

FROM PENBASE 111744A

TO MARS I

GR 36 ET

UNCLASSIFIED FD PENBASE C 2154 FD CITE EPGDS AND BPTPN SEVEN THREE THREE NINE FD CONSIDER ITEM TWO TWO THREE OMA TRANSPORTATION REQUISITION FOX ONE ZERO FIVE CANCELLED FD BATTERIES SHOULD BE REQUISITIONED FROM S E K SIGNAL CORPS

BT 111744A

GR K

COPY

2517

0424

Declassified E.O. 12356 Section 3.3/NND No. 785021

2nd ENDORSEMENT

TRANSPORTATION & SHIPPING SUB-COMMISSION, AC
(RAIL DIVISION)
c/o Transportation (Er) Main
C.M.F.

TO : AF DMRTI - OFF. OF DIRECTOR,
APO 512 U.S.ARMY

10 December 45

1. Reference basic communication attached.

2. The Chief of Stores Service IER advises that the signalling lenses as manufactured by the Corning Glass Works have features far superior to those required for plain-convex lenses as needed by the IER and they are not fit to substitute.

3. The lenses required are very simple as may be seen on Drawing TAV.16 attached and their supply should be neither difficult nor very expensive.

4. Please request the requisition of plain-convex lenses as shown in TRANS-IV-IER-F 105.

5. The Corning Glass Works Catalog is returned herewith.

For the Chief Commissioner :

G.S.BARNES, Major RE.

Encl: Corning G.W.Catalog
Drawing TAV. 16

3546

COPY

HEADQUARTERS
PENINSULAR BASE SECTION
APO 782

AG.400.312 BPTPN 9 November 1945.

SUBJECT: Requisition TRANS-IV-ISR-FL05

TO : Deputy Director, Military Railway Service, Italy, APO 512, U.S. Army.

1. Procurement agency advises that Plane-Convex Signaling Lenses will require several months to procure and cost will be very high as special moulds will have to be set up.

2. Inclosed herewith is copy of Corning Glass Works Signal Glassware catalog. It is requested that, to the greatest possible extent, standard lenses as shown in this catalog, be substituted for the lenses on your requisition.

3. If such substitutes can be made, please indicate code number and plan number from the catalog for the lenses you desire.

4. Please reply promptly.

FOR THE COMMANDING GENERAL:

1 Incl : a/s

A.GOLDFORD,
2nd.Lt., F.A.
Actg Asst Adj Gen.

1st Ind.

AF, MILITARY RY SV-ITALY,ODD O DIR, APO 512 U.S ARMY 20 NOVEMBER 1945.

TO : Allied Commission, Rail Sub-Commission, APO 512, U.S. Army.

Declassified E.O. 12356 Section 3.3/NND No. 785021

2. Inclosed herewith is copy of Corning Glass Works Signal Glasswars catalog. It is requested that, to the greatest possible extent, standard lenses as shown in this catalog, be substituted for the lenses on your requisition.

3. If such substitutes can be made, please indicate code number and plan number from the catalog for the lenses you desire.

4. Please reply promptly.

FOR THE COMMANDING GENERAL:

1 Incl : a/s

A.GOLDFORD,
2nd.Lt., F.A.
Actg Asst Adj Gen.

1st Ind.

AF, MILITARY RY SV-ITALY, ODD O DIR, APO 512 U.S ARMY 20 NOVEMBER 1945.

TO : Allied Commission, Rail Sub-Commission, Building.

1. With reference to the above

2. Please investigate and advise.

FOR THE DIRECTOR:

L.C.RAYMOND
Capt., TC
Ry Supply Officer.

Declassified E.O. 12356 Section 3.3/NND No. 785021

0427

Declassified E.O. 12356 Section 3.3/NND No. 785021

CML/av

TRANSPORTATION AND SHIPPING SUB-COMMISSION, AC.
(RAIL DIVISION)
c/o Transportation (Ar) Main
C.M.F.

U R G E N T

Tel: 842191-11
Ref: AC/Mot/14/27/Tn 4

24 November 1945

SUBJECT : Requisition TRANS IV I.S.R. F 105

TO : Chief of Stores Service I.S.R. Bldg.
Attn: Ing. Brocci

1. With reference to above requisition and especially to the items calling for Plane-Convex-Signalling Lenses. The Procurement Agency advises that it will require several months to procure and that the cost will be very high as special moulds will have to be set up.

2. Enclosed herewith is copy of Corning Glass Works, Signal Glassware Catalog. It is requested that, to the greatest possible extent, standard lenses as shown in this catalog, be substituted for the lenses on your requisition.

3. If such substitution can be made, please indicate code number and plan number from the catalog for the lenses you desire.

4. Please reply promptly.

DIRECTOR

Incl: Catalog referred to in para 2.

25 3/4

URGENTE

Rome, 9 Dec. 1945
A.25.2 - 866/ICOA/

Stores Service

To: Transportation and Shipping
Sub-Commission A.C.
(Rail Division)
c/o Transportation (Br) Main
C/M.F.

Subject: signalling lenses

Your letter AC/Mat/14/27 Tn.4 dated 24 November 1945, refers.

1- The signalling lenses of Corning glass works have features superior to those required for plain-convexe lenses needed by our Service, and they are not fit to substitute the same.

2- The lenses are required for the lamps used by the railway crews, and they have to convoy the rays coming from the lighting source.

3- These lenses are very simple, as it results from the drawing enclosed herewith, and it appears that their supply should neither be difficult nor very expensive.

4- The Corning Glass Works Catalogue is returned to you.

Chief of Service

Brocci

Declassified E.O. 12356 Section 3.3/NND No. 785021

Your letter AC/Mat/14/27 Tn.4 dated 24 November 1945, refers.

1- The signalling lenses of Corning glass works have features superior to those required for plain-convexe lenses needed by our Service, and they are not fit to substitute the same.

2- The lenses are required for the lamps used by the railway crews, and they have to convoy the rays coming from the lighting source.

3- These lenses are very simple, as it results from the drawing enclosed herewith, and it appears that their supply should neither be difficult nor very expensive.

4- The Corning Glass Works Catalogue is returned to you.

Chief of Service

Bracci.

7/12 CAP.
cb.

2513

Declassified E.O. 12356 Section 3.3/NND No. 785021

Declassified E.O. 12356 Section 3.3/NND No. 785021

MINISTERO
DELLE COMUNICAZIONI

FERROVIE DELLO STATO
DIREZIONE GENERALE

MINISTERO DEI TRASPORTI

Servizio Approvv.ti

OGGETTO

Lenti da segnalamento

ALLEGATI N. 2

Roma, li 9 DIC. 1945 - 1945 - A

N. A.25.2-866- Ycca.7486

Al N. ... del ... 33

ALLA TRANSPORTATION AND SHIPPING
SUB COMMISSION A.C.
(RAIL DIVISION)

c/o Transportation (Br) Main
C.M.F.

Al Ref: AC/Mat/14/27 Tn.4 del 24/11/c.a.

1. Le lenti da segnalamento delle vetrerie Corning hanno caratteristiche superiori a quelle che si richiedono per le lenti piano-convesse occorrenti a questo Servizio, e nnn sono, d'altra parte, adatte a sostituirle.

2. Le lenti che occorrono sono destinate alle lanterne usate dal personale ferroviario e la loro funzione è di convogliare il fascio di raggi uscenti dalla sorgente luminosa.

3. La struttura di tali lenti è assai semplice, come risulta dal disegno che si invia allegato alla presente, e sembra che la loro fornitura non dovrebbe presentare speciali difficoltà, nè riuscire assai costosa.

4. Si restituisce il catalogo della Ditta Corning.

IL CAPO DEL SERVIZIO

9512

0434

Declassified E.O. 12356 Section 3.3/NND No. 785021

TRANSPORTATION AND SHIPPING SUB-COMMISSION, AC.
(RAIL DIVISION)
c/o Transportation (Br) Main
C.M.F.

Tel: 843191-11
Ref: AC/Mat/14/26/Tn 4

24 November 1945

SUBJECT : Requisition TRANS IV F-105

TO : Economic Section - Requisition Branch
Attn: Mr. Lynch

1. With reference to Requisition TRANS IV F-105 covering material required by the Italian State Railways for second period 1945.

2. Attached hereto is copy of cable received from zone of Interior through Peninsular Base Section by Dep. Dir. M.R.S. with regard to Item 217 on subject requisition.

3. Please adjust your record accordingly.

DIRECTOR

Incl: Copy of Cable referred to in para 2.

Copy to: Chief of Stores Service I.S.H. Bldg.

3541

0432

Declassified E.O. 12356 Section 3.3/NND No. 785021

C C

copy 4

C

D

O

P

Y

MABA V MJAQ NR 5

FROM MJAQ 16171A

TO DDERS

GR 103 BT

UNCLASSIFIED FD PERBASE C1717 FD CITE BPGDS AND MPTH SEVEN ONE EIGHT ONE FD SUPPLIES ORDERED REQUISITION FOX ONE ZERO FIVE IS SUBJECT FD ITEM TWO ONE SEVEN IS STANDARD AG FORM THREE ZERO ONE CMA REQUEST REQUISITION BE SUBMITTED THROUGH THEATER AG FOR THIS ITEM FD CONSIDERING ITEM TWO ONE SEVEN CANCELLED ON ORIGINAL DEMAND FD

C

O

P

Y

C 5 1 5

0433

Declassified E.O. 12356 Section 3.3/NND No. 785021

Allied Force
MILITARY RAILWAY SERVICE-ITALY
Office of Director

APO 512
19 November 1945

SUBJECT: Requisition F-105

TO: Transportation Officer
Allied Commission
Transportation Sub-Commission
Building

1. With reference to Requisition MRSP IY F-105 covering material required by the Italian State Railway for second period of 1945.

2. Attached hereto is copy of cable received from Zone of Interior through Peninsular Base Section with regard to item 217 on subject requisition.

3. Please adjust your record.

FOR THE DIRECTOR:

L C Raymond
L. C. RAYMOND
Capt, TC
Ry Supply Officer

Copy Furnished:
ADLn (Stores) ATTN: Lt. Col. Chaplin

759

(3)

Rome, 15 NOV 1945 Nov

A 25 A/33/31.230.L/Draft/75/33

TO/ SUB=COMMISSION TRANSPORTS AC

BUILDING

MINISTRY OF TRANSPORTS

I.S.R.

STORES SERVICE

Subject: Wagon sheets

I) With reference to your letter AC/Mat/I4/22/Tn4 dated 27 October I945 advising that the supply of wagons sheets for ISR to be received from the Tn. Steres in Middle Orient has been provisionally suspended.

2) In view of the incoming rain seasan and of the shortage of wagon sheets due to the war destructions, the ISR are in urgent need of at least I4.000 water-proof sheets, to meet the traffic requirements.

3) Please kindly arrange , as soon as possible, so that the allocation of this material might be made at the earliest date.

Director general

Di Raimondo

I5/II CAP.

cb.

Declassified E.O. 12356 Section 3.3/NND No. 785021

2) In view of the incoming rain season and of the shortage of wagon sheets due to the war destructions, the ISR are in urgent need of at least I4.000 water-proof sheets, to meet the traffic requirements.

3) Please kindly arrange , as soon as possible, so that the allocation of this material might be made at the earliest date.

Director general

Di Raimondo

I5/II CAP.

cb.

Declassified E.O. 12356 Section 3.3/NND No. 785021

0433

Declassified E.O. 12356 Section 3.3/NND No. 785021

MINISTERO
DEI TRASPORTI
FERROVIE DELLO STATO
DIREZIONE GENERALE

SERVIZIO APPROVVIGIONAMENTI

Roma 15 NOV. 1945

N.A25A/ 883 /31.230.L/
Decl/7175/33

Tn. 5-11.

Al N.

Ed

ALLA SOTTOCOMMISSIONE TRASPORTI A.C.

S E D E

OGGETTO

Copertoni da carri
merci

ALLEGATI N.

1°) Si fa riferimento alla lettera n°AC/mat. /14/22/Tn.4 del 27/10 c.a. con la quale codesta Sottocommissione ha comunicato che la fornitura all'Amministrazione F.S. dei noti copertoni per carri merci da riceversi dall'Ufficio Approvvigionamenti dei Trasporti nel medio Oriente é stata temporaneamente sospesa.

2°) In considerazione dell'approssimarsi della stagione delle piogge e dell'esigua disponibilità di copertoni residuati dalle distruzioni belliche, questa Amministrazione ha urgenza che le siano forniti almeno 14 mila copertoni impermeabili per potere far fronte adeguatamente alle necessità dell'esercizio.

3°) Si rivolge viva preghiera a codesta Sottocommissione di volere, appena possibile, interporre il proprio interessamento affinché la cessione di detto materiale possa essere effettuata nel più breve termine di tempo.

IL DIRETTORE GENERALE
Ledi Barnaba

2507

0437

Declassified E.O. 12356 Section 3.3/NND No. 785021

MINISTRY OF TRANSPORTS
I.S.R.
Stores Service

Rome 15 November 1945

A 25 A/333/31.230.L/ICCA/7175/33

SUBJECT : Wagon sheets.

TO : Transportation Sub-Commission AC. Bldg.

1. With reference to your letter AC/Mat/14/22/Tn 4 dated 27 October 1945 advising that the supply of wagons sheets for I.S.R. to be received from the Tn. Stores in Middle Orient has been provisionally suspended.

2. In view of the incoming rain season and of the shortage of wagon sheets due to the war destructions, the I.S.R. are in urgent need of at least 14,000 water-proof sheets, to meet the traffic requirements.

3. Please kindly arrange, as soon as possible, so that the allocation of this material might be made at the earliest date.

Director General
Di Raimondo

15/II CAP.

cb.

25-6

CML/av

TRANSPORTATION SUB-COMMISSION, AC.
(RAIL DIVISION)
c/o Transportation (Br) Main
C.M.F.

Tel: 843191-11
Ref: AC/Mat/14/22/Tn 4

27 October 1945

SUBJECT : Wagon Sheets.

TO : Chief of Stores Service I.S.R. Bldg.
Attn: Ing. Bracci

1. Reference our AC/Mat/14/21/Tn 4 dated 16 October 1945 in regard to Wagon Sheets to be received from Transportation Stores in the Middle East.

2. Under date of 23 October 45 the director of Ordnance, G.H.Q. advises that "The issue of Covers Waterproof (Wagon Sheets) has been temporarily suspended, further information will follow later.

3. This for your information.

DIRECTOR

Declassified E.O. 12356 Section 3.3/NND No. 785031

TO : Chief of Storm Service I.S.R. Bldg.
Attn: Ing. Bracci

1. Reference our AC/Mat/14/21/Tu 4 dated 10 October 1945 in regard to Wagon Sheets to be received from Transportation Stores in the Middle East.

2. Under date of 23 October 45 the Director of Ordnance, G.H.Q. advises that "The issue of Covers Waterproof (Wagon Sheets) has been temporarily suspended, further information will follow later.

3. This for your information.

DIRECTOR

2505

Declassified E.O. 12356 Section 3.3/NND No. 785021

0440

Declassified E.O. 12356 Section 3.3/NND No. 785021

CSC/eV

AIDE-MEMOIRE

File No. AC/WTI/Tn 4
AC/Mat/Ln/LA/Tn 4

SUBJECT : U.N.R.R.A. Rehabilitation Programme.

To : Director Transportation Sub-Commission A.C.
Attn: Transport Advisor

1. Attached for your information and passing to UNRRA is copy of letter from the Director General U.N.R.R.A. setting out their plans for the handling of material coming from abroad.

2. As it is possible that the incoming supplies will be dealt with by UNRRA, who are anxious to receive this information, will you please send to the office concerned of that organization.

3. Also in attached copy of AC/WTI/Tn 4 of 19 October 45.

Chief
Rail Division

Incl: Letters referred to in para 1 and 3.

Copy to: To S/C Movements Div. (Shipping Branch)
" " Ports and Harbours Div.

Trans. Sub-Commission (Rail Div.
14 November 1945
Tel: 04391-11

?504

0441

Declassified E.O. 12356 Section 3.3/NND No. 785021

ACP/10

TRANSPORTATION SUB-COMMISSION, AC.
(RAIL DIVISION)
c/o Transportation (Rr) Main
C.M.F.

Tel: 844288
Ref: AC/371/Tn 4

19 October 1944

SUBJECT : I.S.R. Rehabilitation Programme.

TO : Director General I.S.R.

1. In connection with the programme prepared showing list of finished and raw materials required by I.S.R. and industries who would be contracted by I.S.R. to manufacture specific items, it is understood that incoming should be consigned to the Italian State Railways, who would act as distributing agents as needed.

2. It is possible that your incoming supplies will be dealt with by UNRRA, and it is therefore most desirable to have a detailed plan prepared in order that methods of distribution can be fully understood.

3. It is presumed that incoming traffic, consigned to I.S.R., will be taken over at the ports of arrival. Please say what arrangements I.S.R. have made for receiving the traffic, and for ensuring its distribution.

4. In fact, what is required is a short but definite plan to be arranged, whereby incoming traffic, as soon as notified, will be dealt with speedily by I.S.R. I have no doubt that his can be done efficiently by I.S.R. personnel, but you are asked to prepare, and advise this sub-Commission of the step by step arrangements you intend to make for reception, storing, and dispersal of the expected supplies.

5. In view of the fact that UNRRA are anxious to receive this information it is asked that special attention be given to the matter.

for DIRECTOR
Lt. R.P.Hoes

MINISTRY OF TRANSPORTS
I.S.R. Direction General
Stores Service

Rome, 10 November 46
A.13/825/ICCA.7125/9

SUBJECT : I.S.R. Rehabilitation programme.

TO : Tn. Sub-Commission A.C. (Rail Div.)
Attn: Mr. E.F.Mons

1. Reference your letter 371/Tn 4 dated October 19th 1946.

2. We thank you for the above communication and we assure you that we are able to take over - directly - materials coming from abroad and to distribute them whenever they are required to the firms manufacturing specific items.

3. In accordance with your request, we submit hereafter the relative programme, aiming to secure quick and free handlings by I.S.R.

a) As Naples, Civitavecchia, Genoa and Savona harbours are the nearest ones to those of our Stores, still rather efficient, it would be suitable that the materials be unloaded at such harbours.

b) The I.S.R. "Agenzie Marittime" of Naples, Civitavecchia, Genoa or Savona might take over the materials at the ports, either when unloaded or abroad; in this latter case, we should timely receive the shipping documents in order to clear the goods.

As regard, the Agenzia Marittima of Naples we point out that they will be able to secure the discharge, provided that the local Allied Authority give their consent.

c) The "Agenzie Marittime" will have to despatch the unloaded materials to the next stores, as shown below: From Naples to the Store of Napoli Poggioreale and or to the store of Roma Tiburtina.

From Civitavecchia to the Store of Roma Tiburtina - From Genoa to the store of Genoa Rivarolo and or to the store of Milano Greco and or to the Store of Voghera - From Savona to the Store of Torino Smistamento and or to the Stores of Torino (Via

CAPE
Declassified E.O. 12356 Section 3.3/NND No. 735021

3. In accordance with your request, we submit hereafter the relative programme, aiming to secure quick and free handlings by I.S.R.

a) As Naples, Civitavecchia, Genoa and Savona harbours are the nearest ones to those of our Stores, still rather efficient, it would be suitable that the materials be unloaded at such harbours.

b) The I.S.R. "Agenzie Marittime" of Naples, Civitavecchia, Genoa or Savona might take over the materials at the ports, either when unloaded or abroad; in this latter case, we should timely receive the shipping documents in order to clear the goods.

As regard, the Agenzia Marittima of Naples we point out that they will be able to secure the discharge, provided that the local Allied Authority give their consent.

c) The "Agenzia Marittima" will have to despatch the unloaded materials to the next Stores, as shown below: From Naples to the Store of Napoli Poggioreale and or to the store of Roma Tiburtina.

From Civitavecchia to the Store of Roma Tiburtina - From Genoa to the store of Genoa Rivarolo and or to the store of Milano Greco and or to the store of Voghera - From Savona to the store of Torino Smistamento and or to the Stores of Torino (Via Nizza).

d) The "Agenzia Marittima" may directly despatch the materials to the manufacturing firms, if necessary.

e) The materials will be distributed from the a/m Stores to the various points of consumption, in the same way as for the other stocks.

4. It would be very useful to get a timely notice of the departures of each lot and of the port of arrival, this in order to allow us to advise, before hand, the outside Offices and to give them detailed instructions for the collection and the storage of the goods.

5. The Store Section Hqs of this Direction will be at your disposal for any further agreement with you and with UNRRA.

Director General
Signed: Di Raimondo

Declassified E.O. 12356 Section 3.3/NND No. 795021

GHL/ev

TRANSPORTATION SUB-COMMISSION, AC.
(RAIL DIVISION)
c/o Transportation (Br) Main
G.H.Q.

Tel: 848191-11
Ref: AC/Rat/14/33/Tn 4

27 October 1945

SUBJECT : Cylinder Heads and Bearings for U.S. 650 H.P. Diesel Electric Locos.

TO : D.M.E.S. A.D. Tn 2 Bldg.
Attn: Lt.Col. Chaplin

1. Reference your Tn A.S/36/1 dated 13 October 1945 above subject, addressed to Lt.Col. M.F. De Lisle copy to this Sub-Commission.

2. With reference to para 3 (b). In conference with Lt.Col. De Lisle, he advised that all requisitions had been cancelled and that I.S.R. had been instructed to order their requirements directly through their Ministry.

3. The handling of this matter was very satisfactory to this Sub-Commission.

For the Chief Commissioner:

3501

Declassified E.O. 12356 Section 3.3/NND No. 785021

TO : D.I.N.S. A.D. Tn S/C Engg.
Attn: Lt.Col. Chaplin

1. Reference your Tn A.S/38/1 dated 13 October 1945 above subject, addressed to Lt.Col. S.F. De Lisle copy to this Sub-Commission.

2. With reference to para 3 (b). In conference with Lt.Col. De Lisle, he advised that all requisitions had been cancelled and that U.S.S.R. had been instructed to order their requirements directly through their Ministry.

3. The handling of this matter was very satisfactory to this Sub-Commission.

For the Chief Commissioner:

3501

C.M. LOSG, Major C.S.

Copy to: A.D.S. Stores U.S.S. Lt.Col.S.F.De Lisle
Tn S/C Mech. Branch Bldg.

Declassified E.O. 12356 Section 3.3/NND No. 785021

Declassified E.O. 12356 Section 3.3/NND No. 785021

Transportation (Br.) Main,
C.M.F.
Tel: Firebox 9345.

Tn.A.2/38/1.

18 Oct. 45.

Subject: Cylinder Heads and reconditioned bearings for U.S. 650 H.P. Diesel Electric Locos.

To:- Lt. Col. R.F. de Lisle,
Assistant Deputy Director - Stores, M.R.S.

Copy to:- Tn. Sub-Commission A.C. (Rails).
File MED/TN2/UK.206.

1. The future of our outstanding demands for cylinder heads and reconditioned bearings is under consideration at War Office, London. Copies of Demands MED/TN2/UK.206 and 227 are enclosed for your information.

2. The status of these demands is as shown on attached. Note that although only 3 cylinder heads have reached this theatre, a further 306 are either complete or in process of fabrication.

3. War Office regret they are unable to accept responsibility for maintenance of U.S. owned locomotives nor for those assigned to British and in course of return to U.S. ownership, except where the latter are essential to meet current operating commitments for military purposes. It is therefore proposed:-

(a) that U.S. Gen. M.R.S. Italy should consider requisitioning from War Office, London the balance of materials still outstanding against demands placed in England for use on U.S. Locos, being redeployed or handed over to A.M.L.C.

(b) that any balance of orders not yet put in hand should be cancelled, subject to Allied Commission stating whether they are prepared to take over the purchase of Heads and bearings, both new and reconditioned, for the 650 H.P. Diesel Locomotives which are to remain in civil use in Italy.

4. Will Tn. Sub-Commission (Rails) please state their views on the possibility mentioned in para. 3(b) above.

3540

D.R.H. Chaplin

D.R.H. CHAPLIN, Lt. Col.,
A.D.Tn.(Stores),
for Brigadier,
Director of Transportation.

Encl.

0447

Declassified E.O. 12356 Section 3.3/NND No. 785021

COPY

Appendix to 57/Italy/S/Engr.2(i.c.) dated 24 Sep 45.

Indent RED/206

Cylinder Heads. Position as at 21 September 1945.

Ordered	Shipped	Available	Ready for Machining	Ready for Welding	Total in course of fabrication.
503	5	5	200	100	306

Of the 200 ready for machining, 75 are being machined; delivery is promised at the rate of 40 per week by the end of September 1945 increasing to 20 per week from end of October onwards.

Bearings, New. Work is suspended pending report from the Theatre on initial supply of 4 sets. Delivery is promised at the rate of 8 complete engine sets per week.

Bearings, reconditioned.

Indent RED/226. Completed and shipped.

Indent RED/227. Bearings in transit to Hoyts. Delivery expected end Oct 45.

C.103

0448

Declassified E.O. 12356 Section 3.3/NND No. 785021

(24254) Wt.11188/67 6,000 5/43 A.& E.W.Ltd. Gp.698

COPY

ARMY FORM W4087.

DEMAND FOR TRANSPORTATION STORES.

To :— D.Tn., War Office (Tn.2) 2 copies by AIR MAIL

Consign to :— TN STORES DEPOT, BARI, C.M.F.

Marking :— TN STORES - DUFF BARI - 1200/TN.2/UK.227

Issue Voucher to :— C.i/c Tn Stores Depot, c/o Tn (Tr) Main.

No. 1200/TN2/UK.227

Date 23 Aug 45

No. of Sheets 1

Sheet No. 1

Vocab. Group —

Priority P.1

Item.	Tn. S. Vocab. No.	Description.	Unit.	Quantity.	Remarks.
	...	REMARKS FOR RECONDITIONING.			650 H.P. Whitcomb - Baldwin Diesel Locomotives fitted with Buda engine.
		1200 Class Engine			
		Bearings			
1.		Front & Rear Main, BE-11105-06	Pr	32	
2.		Intermediate Main, BE-11107-08	"	67	
3.		Centre Main, BE-11109-10	"	19	
4.		Connecting Rod, BE-11111	"	85	Our letter Tn.2/38 of 23 Aug 45 refers.
		1300 Class Engine.			
		Bearings			
1.		Front & Rear Main, BE-11512	Pr	35	
2.		Intermediate Main, BE-11516	"	67	
3.		Connecting Rod, BE-11514	"	84	
4.		Centre Main, BE-11522	"	9	
					File Tn.A.2/38/1

Copies to :— 3 Tn. Stores Group, N.A.
330 T.S.D.
325 T.S.D.

3193

A.D.Tn. (Stores)
for Director of Transportation.

0449

Declassified E.O. 12356 Section 3.3/NND No. 785021

COPY

TRANSPORTATION IRELAND NO : Ind/TI2/UK.208

Item No.	VTS No.	Makers No.	Description	Unit	Quantity
	U.600		LOCOMOTIVES, Diesel-Electric, 0-4-4-0 650 H.P., Baldwin-Whitcomb.		
	UX24/		Spare parts :-		
1.	-	-	Heads, cylinder, fabricated steel	Each	500
			For 1200 Class :-		
2.	523	ME.11111	Rods, Connecting, Bearing	Set	300
			Bearings, Main,		
3.	339	ME.11105	Front & Rear, Top	Each	100
4.	339	11106	" " " Bottom	"	100
5.	341	11107	Intermediate & Rear, Top	"	200
6.	341	11108	" " " Bottom	"	200
7.	336	11109	Centre & Rear, Top	"	50
8.	336	11110	" " " Bottom	"	50
			For 1500 Class :-		
9.	524	11514	Rods Connecting Bearings, Big End	Set	200
			Bearings, Main,		
10.	340	11519	Front and Rear	"	100
11.	342	11516	Intermediate	"	160
12.	337	11522	Centre	"	40
13.	-	11852	Thrust	"	40

3497

0450

Declassified E.O. 12356 Section 3.3/NND No. 785021

TRANSPORTATION SUB-COMMISSION, A.C.,
(RAIL DIVISION)
c/o. Transportation (Br) Main,
C.M.F.

19 October 1945

Tel : 843238
Ref : AC/371/Tn 4

SUBJECT : I.S.R. Rehabilitation Programme.

TO : Director General,
Italian State Railways.

1. In connection with the programme prepared shewing list of finished and raw materials required by I.S.R. and industries who wou. be contracted by I.S.R. to manufacture specific items, it is understood that incoming should be consigned to the Italian State Railway who would act as distributing agents as needed.

2. It is possible that your incoming supplies will be dealt with by UNRRA, and it is therefore most desirable to have a detailed plan prepared in order that methods of distribution can be fully understood.

3. It is presumed that incoming traffic, consigned to ISR, will be taken over at the ports of arrival. Please say what arrangem ISR have made for receiving the traffic, and for ensuring its distrib ution.

4. In fact, what is required is a short but definite plan to be arranged, whereby incoming traffic, as soon as notified, will be dea with speedily by ISR. I have no doubt that this can be done efficien by ISR personnel, but you are asked to prepare, and advise this Sub tly Commission of the step by step arrangements you intend to make for r receiption, storing, and dispersal of the expected supplies.

5. In view of the fact that UNRRA are anxious to receive this information it is asked that special attention be given to the matte

for the Director

0451

Declassified E.O. 12356 Section 3.3/NND No. 785021

CML/av

TRANSPORTATION AND SHIPPING SUB-COMMISSION, AC.
(RAIL DIVISION)
c/o Transportation (Br) Main

Tel: 843191-11
Ref: AC/Mat/14/~~189~~/Tn 4

17 November 1945

SUBJECT : Cover Waterproof.

TO : D.O.S. G.H.Q. C.M.F.
Attn: Major F.C. Rawley

1. Reference your D.O.S. 1567/2 (ORD1) dated 23 October 1945 advising that the issue of Covers Waterproof had been temporarely suspended.

2. The Director General I.S.R. was advised accordingly and copy of his reply is attached hereto for your information.

3. Due to the urgency of the requirement it is hoped that the suspension will be lifted soon.

For the Chief Commissioner:

C.M. LONC, Major C.E.

Incl: Letter referred to in para 2.

3495

Copy to : D.G. I.S.R. Bldg.

CM L/sv

TRANSPORTATION SUB-COMMISSION, AC.
(RAIL DIVISION)
c/o Transportation (Br) Main
C.M.F.

Tel: 843191-11
Ref: AC/Mat/14/21/Tn 4

16 October 1945

SUBJECT : Wagon Sheets.

TO : Chief of Stores Service I.S.R. Bldg.
Attn: Ing. Bracci

1. Reference AC/Mat/14/18/Tn 4 dated 20 September 1945 above subject.

2. Since writing to you we have had an inquiry from the Director of Ordnance Supplies, A.F.H.Q. in regard to the 4000 wagon sheets in question.

3. The D.O.S. was advised that I.S.R. would acquire the entire quantity.

4. The wagon sheets will be shipped from Tn. Store in the Middle East to N°.2 Sub Depot 557 SOD Naples who will turn them over to Tn.S/C for the I.S.R.

5. Please advise to what I.S.R. store the wagon sheets are to be consigned from Naples.

Declassified E.O. 12356 Section 3.3/NND No. 785021

above subject.

2. Since writing to you we have had an inquiry from the Director of Ordnance Supplies, A.F.H.Q. in regard to the 4000 wagon sheets in question.

3. The D.O.S. was advised that I.S.R. would acquire the entire quantity.

4. The wagon sheets will be shipped from Tu. Store in the Middle East to N°.2 sub Depot 557 BOD Naples who will turn them over to Tn.S/C for the I.S.R.

5. Please advise to what I.S.R. store the wagon sheets are to be consigned from Naples.

DIRECTOR

3494

Declassified E.O. 12356 Section 3.3/NND No. 785021

0454

Declassified E.O. 12356 Section 3.3/NND No. 785021

ORDNANCE DIRECTORATE
G. H. Q. C. M. F.

SUBJECT: COVERS WATERPROOF.

REF: DOS. 1567/2 (ORD 1)

TEL; FREEDOM 991.

8 OCTOBER. 1945.

TO: DOS COPO (MF).

REFERENCE YOUR COPO/1531/6 (336) OF 22 SEPT. 45.

1. THE TOTAL QUANTITY OF 4000 WATERPROOF WAGON SHEETS ARE REQUIRED BY I.S.R. AND SHOULD BE CONSIGNED TO 2 SUB DEPOT, 557 BOD. PLEASE ADVISE THAT DEPOT SHIPPING PARTICULARS.

F.C. Rowley

(F.C. ROWLEY) MAJOR.
D.A.D.O.S.
FOR MAJ-GEN.
D.O.S., G.H.Q., C.M.F.

COPY TO: COO 557 BOD.

OO 2 SUB DEPOT 557 BOD. - THE STORES ARE REQUIRED BY TRANSPORTATION SUB-COMMISSION, A.C. (RAIL DIVISION) C/O. TRANSPORTATION (BR) MAIN CMF. ADVISE THAT SUB-COMMISSION WHEN ITEMS ARE RECEIVED.

TRANSPORTATION SUB-COMMISSION A.C. (RAIL DIV) C/O TRANSPORTATION (BR) MAIN CMF. - PLEASE GIVE CONSIGNMENT INSTRUCTIONS TO OO 2 SUB DEPOT 557 BOD. WHEN STORES ARE RECEIVED BY HIM.

T.O.O. 18007

FCR/BCV

Maya Lang

1193

CML/cv

TRANSPORTATION SUB-COMMISSION, AC.
(RAIL DIVISION)
c/o Transportation (Br) Main
C.M.F.

Tel: 243101-11
Ref: AC/Mst/14/20/Tm 4

9 October 1945

SUBJECT : Thyratron Tubes for I.S.R. Substation.

TO : Chief of Stores Service I.S.R. Bldg.

1. The M.S.S. advise that they are unable to obtain Thyratron Tubes, drawing FS/I.S.R.31557 for use in mobile substation for I.S.R.

2. They have endeavored to obtain them through Military channels from England but their War Office has ruled that items such as these should be included in the Italian Civil Import Program.

3. This item was not included in the Civil Import Program for the reason that it was expected they would be obtained by the Military Railway Service.

4. It is now necessary that Allied Commission procure these tubes from America.

5. In order to place a requisition it is necessary that you furnish a statement from the "Comitato Interministeriale della Ricostruzione" of the Ministry of Reconstruction to the effect that the tubes will be paid for out of Category "B" funds on deposit in the United States.

Declassified E.O. 12356 Section 3.3/NND No. 785021

1. The W.T.S. advise that they are unable to obtain Thyratron Tubes, drawing FG/L.N.21557 for use in mobile substation for I.S.R.

2. They have endeavored to obtain these through Military Channels from Ceylon but their War Office has ruled that items such as these should be included in the Italian Civil Import Program.

3. This item was not included in the Civil Import Program for the reason that it was expected they would be obtained by the Military Railway Service.

4. It is now necessary that Allied Commission procure these tubes from America.

5. In order to place a requisition it is necessary that you furnish a statement from the "Comitato Interministeriale della Ricostruzione" of the Ministry of Reconstruction to the effect that the tubes will be paid for out of Category "B" funds on deposit in the United States.

6. A copy of this letter is being given to your Ing. E. Savio, A.C.I.S.B. Electrification Liaison Officer, who should see that the letter of authority is furnished this Headquarters with the least possible delay. The requisition cannot be submitted without the letter of authority from the a/m Comitato.

3492

DIRECTOR

Copy to: Ing. E.Savio - Bldg.
Chief of Works Service I.S.R. Bldg.

Declassified E.O. 12356 Section 3.3/NND No. 785021

0457

Declassified E.O. 12356 Section 3.3/NND No. 785021

Tel ROME 84319/5 (Prefix)
EXT 9352

ALLIED FORCE
MILITARY RAILWAY SERVICE ITALY
OFFICE OF THE DIRECTOR (DMRSD)

Subject : Thyratron Valves for Italian Railway Substation.

Tn.A.3(E)/2.

To : Tn. Sub Commission, AC. 29 Sept. 45.
(Rails) (Bdg)
(Attn. Eng. Savio)

Copy to : Servizio Lavori e Construzioná,
ISR (Bdg)

1. For use in mobile substations at present under repair in Northern Italy, 24 Thyratron Valves to ISR drawing FS/L.E 31557 are urgently required.

2. The manfacturers F.I.V.R.E. of MILAN are unable to supply owing to war damage but it is believed that this type of valve was originally supplied by the General Electric Coy., Schenectady, New Yark, U.S.A., a similar type may also be obtained from the B.T.H. Coy., England.

3. The Military Railway Service has endevoured to obtain a supply through military channels from England but the War Office has ruled that items such as these should be included in the Italian Civil Import Programme. Demands being submitted through the Allied Commission in the C.O.M., M.O.C., series to C.L.A.C. Washington.

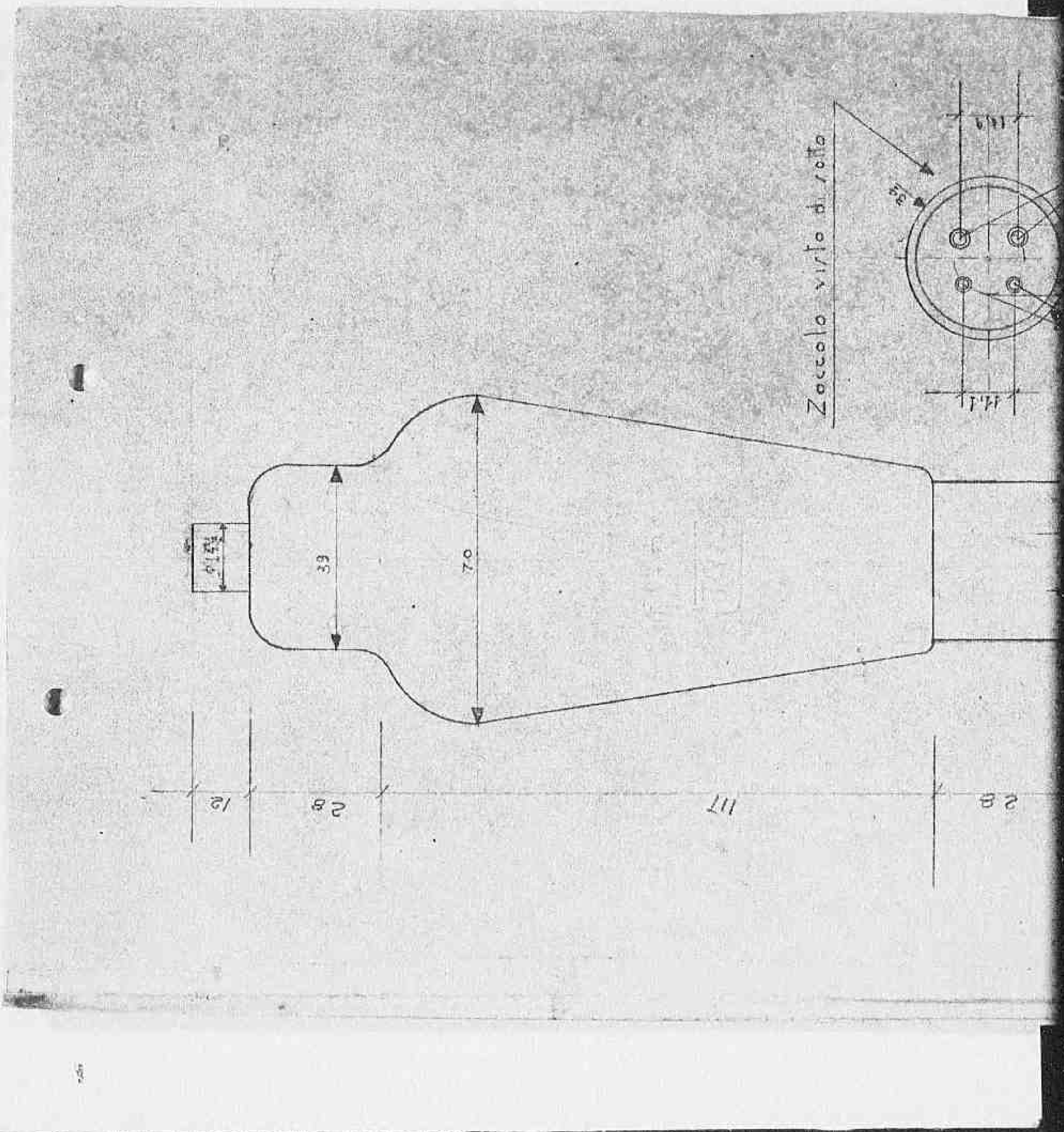
4. Will you please arrange for Italian State Railways to apply for these valves through the Allied Commission.

F. G. Lyon LT. R.E.
for Brigadier,
Director Military Railway Service.

jd

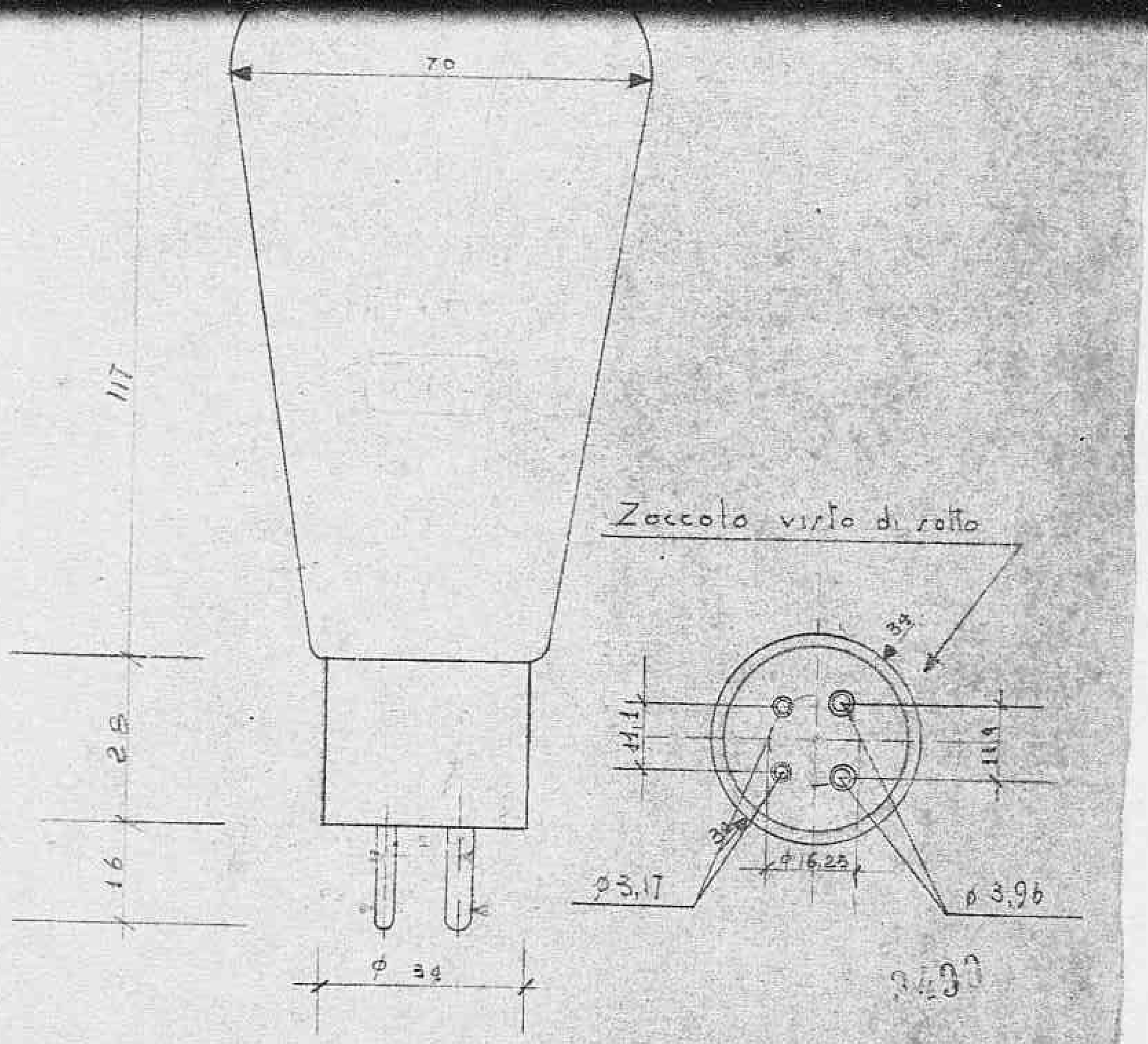
0458

Declassified E.O. 12356 Section 3.3/NND No. 785021



0456

Declassified E.O. 12356 Section 3.3/NND No. 785021



MINISTERO DELLE COMUNICAZIONI SERVIZIO LAVORI UFFICIO 7° ROMA	SCALA 1:1	Firme Dis. Luc. Ver.	Data
VALVOLA TIRATRONE CATEG. 792/288 (TRIODO A VAPORE DI MERCURIO)	F.S. / L E. 31557 POSIZIONE ARCHIVIO 616		

0460

Declassified E.O. 12356 Section 3.3/NND No. 785021

Catodo a riscaldamento indiretto	
Tensione di filamento	5 Volt
Corrente di filamento circa	4,85 Amp
Tempo di riscaldamento	6 minuti
Caduta interna	10-24 Volt
Temperatura ambiente	35-80° C.
Caratteristiche approssimative di innesco:	
Tensione anodica	100,1000 Volt
Tensione di griglia	+7 +7 "
Punta di tensione anodica mass.	
Avanti	1000 "
Inversa	1000 "
Tensione mass. di griglia	
Prâma dell'innesco	500 "
Dopo l'innesco	10 "
Corrente anodica mass.	
Istantanea, 25 periodi e più	15 Amp
" " sotto 25 periodi	5 "
Media	2,5 "
Corrente di griglia mass.	
Istantanea	1,0 "
Continua	0,25 Amp

0 4 6 1

Declassified E.O. 12356 Section 3.3/NND No. 785021

Temperatura ambiente	35-80° C.
Caratteristiche approssimative di innesco:	
Tensione anodica	100,1000 Volt
Tensione di griglia	+7 +7 "
Punta di tensione anodica mass.	
Avanti	1000 "
Inversa	1000 "
Tensione mass. di griglia	
Prima dell'innesco	500 "
Dopo l'innesco	10 "
Corrente anodica mass.	
Istantanea, 25 periodi e più	15 Amp
" " sotto 25 periodi	5 "
Media	2,5 "
Corrente di griglia mass.	
Istantanea	1,0 "
Continua	0,25 Amp

0 4 6 2

Declassified E.O. 12356 Section 3.3/NND No. 785021

0463

Declassified E.O. 12356 Section 3.3/NND No. 785021

CHL/av

TRANSPORTATION SUB-COMMISSION, AG.
(RAIL DIVISION)
c/o Transportation (Ex) Main
C.M.F.

Tel: 843191-11
Ref: AG/Mat/14/19/Tn 4

8 October 1945

SUBJECT : Covers Waterproof.

TO : D.C.S. A.F.H.Q.

1. Reference your DOS. 1367/2 (ORD 1) dated 29 September 1945 above subject.

2. This Sub-Commission desires to acquire for U.S.S.R. the entire quantity of 4000 waterproof wagon sheets 30' x 15' reported surplus to Tn. requirements in Middle-East.

3. This Sub-Commission has started proceeding with F.E.A. to procure the a/m sheets but to date there has not been much progress in the matter.

4. The acquisition of the sheets is desired by U.S.S.R. who have urgent need for their use.

5. Will you please keep this Hq. informed on the matter.

For the Chief Commissioner:

O.M. LONG, Major C.E.

3488

0 4 6 4

Declassified E.O. 12356 Section 3.3/NND No. 785021

ALLIED FORCE HEADQUARTERS
ORDNANCE (BRITISH)

Subject: Covers Waterproof.

Ref: DOS. 1567/2 (ORD 1)

Tel: FREEDOM 808.

29 SEPTEMBER, 1945.

To: Transportation Sub-Commission,
HQ Allied Commission,
A.P.O. 394.

1. A quantity of 4,000 Waterproof Wagon Sheets 30' x 15' is reported surplus to Tn. requirements in Middle-East. These are advised as possibly being required by Italian State Railways.

2. Will you advise me please what quantity if any you would wish to acquire for I.S.R. when arrangements will be made to ship them to 557 B.O.D. Naples for issue to you.

(T.C.A. HUTCHISON) Major
for ADOS.
for Maj-Gen.
D.O.S., A.F.H.Q.

T.O.O...113.....

Copy to: DDOS COFO MTF - Your COFO/1531/6(336) of 22 Sept. refers.

3487

0463

Declassified E.O. 12356 Section 3.3/NND No. 785021

CIL/av

TRANSPORTATION SUB-COMMISSION, AC.
(RAIL DIVISION)
c/o Transportation (Ex) Main
G.M.F.

U R G E N T

Tel: 84391-11
Ref: AC/Mt/14/18/Tn 4

20 September 1945

SUBJECT : Wagon Sheets.

TO : Chief of Storen Service L.S.E. Bldg.
Attn: Lt. Brecci.

1. The Military Railway Service advised this Hq. on 25 July 45 in regard to their cancellation of an order for 4000 wagon sheets which are available at a Transportation Storen depot in the Middle East.

2. The L.P.E. have a great need for these wagon sheets and a requisition was made through G-5 A.F.H.Q. to secure them however G-5 advised on 25 August, that as the period of military responsibility would end on 1 September it was suggested that the requisition be made through A.C. Channels.

3. The requisition has been prepared by A.C. against Category "B" funds but the Finance sub-commission A.C. advises that they must have a letter from the "Comitato Interministeriale della Ricostruzione" of the Ministry of Reconstruction. The letter must st te that the material will be paid for out of Category "B" funds.

4. The wagon sheets are 25 ft x 30 ft. and are of the type used by the British M.R.S.

5. Will you please contact the Committee mentioned in para 3 and furnish the letter requested.

3486

DIRECTOR

0466

Declassified E.O. 12356 Section 3.3/NND No. 785021

CM./mv

LETTER-OFFICE MEMO

File N. AC/Mmt/5/198/Tn 4

SUBJECT : Wagon sheets.

TO : Economic Section, Requisition Branch
Attn: Lt.Col. H.C. Quartier

1. Reference your AC-QM-5-46 dated 29 August 1945 above subject, with copy of A.F.H.Q. G-5 Section letter of 25 August, same subject.

2. It is desired that a Category "B" requisition be initiated in order to obtain the wagon sheets for the Italian State Railways. A copy of this letter is being forwarded to the Administrative Branch Tn. S/C for the Economic Adviser to furnish a note from the Italian Ministry of Finance as requested.

Incl: Copies of letter referred to in para 1, also buck slip with note from C.R.R.

DIRECTOR

cc, Adm.Branch Tn S/C
Attn: Economic Adviser.

Transp. S/C (Rail Div.)
4 September 1945
Tel: 845191-11

3403

0467

Declassified E.O. 12356 Section 3.3/NND No. 785021

HEADQUARTERS ALLIED COMMISSION
APO 394
ECONOMIC SECTION
Requisition Branch

Ext 549 HCQ/lcs

Ref: AC-QM-5-46 29 August 1945

SUBJECT: Wagon Sheets

TO : Transportation Sub-Commission

1. Reference attached copy, letter, Allied Force Headquarters, G-5 Section, dated 25 August 1945, subject as above, AC-QM-5-46 is no longer a military responsibility and therefore, if the items requisitioned are still needed, will have to be requisitioned against Catagory "B" funds. Please advise this office if it is desired that a Catagory "B" Requisition be initiated, and if so, a note from Italian Ministry of Finance should be included with the request.

H. C. QUARTIER
Lt. Col, CMC
Economic Section

0460

Declassified E.O. 12356 Section 3.3/NND No. 785021

2 cys

ALLIED FORCE HEADQUARTERS
G-5 Section
APO 512

Ref. R-23 25 August 1945

SUBJECT: Wagon Sheets

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

Reference: Requisition AC-QM-5-46 of 20 August.

1. Since the period of military responsibility is terminating in Italy as of 1 September, reference requisition is herewith returned.

2. It is suggested that the supply of these sheets be taken up through COM/MOC channels. Since the sheets are said to be available in Middle East (Transportation (Br) Main CMF letter MED/TN2/ME.83 of 28 July 45 refers) your initial statement of requirement should so advise.

For the Assistant Chief of Staff, G-5:

R. C. CARSON,
Lt. Colonel, G.S.C.,
Economics & Supply Division.

2423

0469

Declassified E.O. 12356 Section 3.3/NND No. 785021

ECQ/lcs

HEADQUARTERS ALLIED COMMISSION
APO 394
ECONOMIC SECTION
Requisition Branch

Ext. 549 29 August 1945

SUBJECT : Wagon Sheets.

TO : Transportation Sub-Commission

1. Reference attached copy, letter, Allied Force Headquarters, G-5 Section, dated 25 August 1945, subject as above, AC-QM-5-46 is no longer a military responsibility and therefore, if the items requisitioned are still needed, will have to be requisitioned against Category "B" funds. Please advise this office if it is desired that a Category "B" Requisition be initiated, and if so, a note from Italian Ministry of Finance should be included with the request.

H.C. QUARTIER
Lt.Col. QMC
Economic Section

3482

0470

Declassified E.O. 12356 Section 3.3/NND No. 785021

ALLIED FORCE HEADQUARTERS
G-5 Section
APO 512

Ref. R-28

25 August 1945

SUBJECT : Wagon Sheets

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

Reference: Requisition AC-QM-5-46 of 20 August.

1. Since the period of military responsibility in terminating in Italy as of 1 September, reference requisition is herewith returned.

2. It is suggested that the supply of these sheets be taken up through COM/MOC channels. Since the sheets are said to be available in Middle East (Transportation (Br) Main CMF letter MED/Tn 2/ME.83 of 28 July 45 refers) your initial statement of requirement should so advise.

For the Assistant Chief of Staff, G-5:

R.C. CARSON,
Lt. Colonel, C.E.C.
Economics & Supply Division

7181

14

Rome, 18 SET. 1945 1945

A 13/B/2511/G.33/mA 6405/26

Ministry of Transports
I C R Direction General
Stores Service

To Directorate A.M.G.
(attn. Stores) Building

Subject: Request n. Trans.IV.F.105

copy to Transportation Sub Commissione (Rail Dva) Building

1) Ref. is to para 2 of the AC/Mat/14/17/Tn 4 letter dated August 31, 1945.

2) We communic te the requested information to be supplied to Internal Affairs Section, through MTOUSA.

	material number	quantity
Rolls of paper tape for Morse telegraphs	219	tonn. 2

-width of the tape m/m 9.5 -
thickness: from m/m 0.07 to m/m 0.08
- weight per meter gr. 0.45
- lenght of the rolls: approx. m.170
- diameter of the roll: from m/m 125 to m/m 130
- internal hollow covered with a pasteboard ring (overlapped layers) thickness m/m 2.5
- internal diameter from m/m 29 to m/m 31
- weight of the roll: gr. 77

The paper has to absorb quickly the blue oily ink that has not to spread but to give a clear impression of the signals

14/9/45 MED owns the letter with the enclosure. Not necessary any more. Quick H/9

Gummed paper tape for Morse teleprinter	220	tons. 1/2

The paper has to be used for Olivetti teleprinters
The paper has to absorb quickly the blue oily ink that has not to spread but to give a clear impression of the signals.
The tape has to overlap the message forms
-width of the tape: m/m 9.5
Thickness of the tape: from m/m 0.09 to m/m 0.10

2480

Declassified E.O. 12356 Section 3.3/NND No. 785021

Rolls of paper tape for Morse telegraphs 219 tons. 5

-width of the tape m/m 9.5 -
thickness: from m/m 0.07 to m/m 0.08
- weight per meter gr. 0.45
- lenght of the rolls: approx. m.170
- diameter of the roll: from m/m 125 to m/m 130
- internal hollow covered with a pasteboard ring (overlapped layers) thickness m/m 2.5
- internal diameter from m/m 29 to m/m 31
- weight of the roll: gr. 77

The paper has to absorb quickly the blue oily ink that has not to spread but to give a clear impression of the signals

Gummed paper tape for Morse teleprinter 220 tons. 1/2

The paper has to be used for Olivetti teleprinters
The paper has to absorb quickly the blue oily ink that has not to spread but to give a clear impression of the signals.
The tape has to overlap the message forms
-width of the tape: m/m 9.5
Thickness of the tape: from m/m 0.09 to m/m 0.10
- weight per meter of the tape: gr.0.84
- weight of the roll: gr. 260
- diameter of the roll m/m 200
- wooden core with hollow of m/m 11 of diameter

Batteries for telegraph and 'phone 223 4000

4 volts, 50 amp. per h. Size 10-5/32", 6-11/16"-4-5/8" hidroelectric batteries made by positive and negative groups, containers, terminal clamps, and wire connections

The manufactures in Italy are: "Marelli" "Edison" "Hensemberg" (Milan) and "Partenope" (Naples).

The Service Chief - Mgd Bracci

cu ng 13/9

Declassified E.O. 12356 Section 3.3/NND No. 785021

Declassified E.O. 12356 Section 3.3/NND No. 785021

MINISTERO
DELLE COMUNICAZIONI
DEI TRASPORTI
FERROVIE DELLO STATO
DIREZIONE GENERALE

Servizio R

OGGETTO

SOTTOCOMM. T. TRANS. IV-F- 105

ALLEGATI N.

Roma, 18 SET. 1945 1945 A.

N. A.13/6/ 2912/ Q. 32/ICCA
6H05/26

Al N. del

AL SERVIZIO MILITARE FERROVIARIO
(Storen)
S E D E

e p.c.
SOTTO COMMISSIONE TRASPORTI
(Ferrovie)
S E D E

Iº) Si fa riferimento al punto 2º della vs. Rs. AC/Aet/I4/17/ Tn 4 del 31.6.45 .

2º) Ci comunicano le chieste informazioni da fornire alla Sezione per gli Affari Interni, per tramite del MFOUSA:

	Numero del Materiale	Quantità
Rotoli di carta per macchina telegrafica Morse .	219	Tonn.2
- Larghezza della striscia: mm.9,5.		
- Spessore : compreso fra mm.0,07 e 0,08.		
- Peso metrico: gr.0,45		
- Lunghezza del rotolo : m. 170 circa		
- Diametro del rotolo: fra mm.125 e 130		
- Foro interno coperto da un anello di cartone a strati sovrapposti dello spessore di mm. 2,5		

3479

./.

0474

Declassified E.O. 12356 Section 3.3/NND No. 785021

	Numero del materiale	Quantità
- Diametro interno compreso fra mm.29 e 31		
- Peso del rotolo : gr.77.		
La carta deve assorbire rapidamente e senza spandere l'inchiostro oleoso azzurro, dando luogo ad impressioni nitide e chiare.		
Carta formata per telescrivente Olivetti	220	Tonn. 1/2
La carta dovrà essere usata per telescritturi Olivetti		
Essa deve assorbire rapidamente e senza spandere l'inchiostro oleoso, dando luogo ad impressioni nitide e chiare.		
La striscia deve aderire perfettamente ai moduli di telegramma.		
- Larghezza della striscia :mm.9,5		
- spessore della striscia: fra mm.0,09 e 0,10		
- Peso metrico della striscia: gr. 0,64		
- Peso del rotolo :gr.260		
- Diametro del rotolo: mm.200		
- Anima di legno con foro di mm. 12 di diametro.		
Batteria per telefono e telegrafo (Tipo E)	223	4000

4 volts, 50 amp.ore.Dimensione di spazio occupato altezza 10-15/32", 6-11/16" x5-5/8".

Le batterie debbono essere a liquido e costituite da gruppi positivo e negativo, recipienti, morsetti e connessioni in filo.

Le Ditte fabbricanti in Italia sono: la "Marelli", la "Edison" e la "Hensemberger" di Milano: la "Partenope" di Napoli.

IL CAPO DEL SERVIZIO

CML/av

TRANSPORTATION SUB-COMMISSION, AC.
(RAIL DIVISION)
c/o Transportation (Br) Main
C.M.F.

U R G E N T

Tel: 843191-11
Ref: AC/Mat/14/17/Tn 4

31 August 1945

SUBJECT : Requisition TRANS-IV-F-105

TO : Chief of Stores Service I.S.R. Bldg.
Attn: Ing. Bracci

1. Referring to above requisition covering material r required by I.S.R. for second period of 1945

2. The zone of Interior, through MTOUSA is requesting additional information on the following items:

	Unit	Item N°.	Quantity
Paper in rolls for Morse telegraphic machine. Standard specification	tons	219	2
Furnish diameter of roll desired			
Gummed Morse Teletype paper Standard specifications	tons	220	1/2

Furnish width of paper and type of machine in which paper is to be used.

Batteries for telephone and

Declassified E.O. 12356 Section 3.3/NND No. 785021

TO : Chief of Stores Service I.S.R. Bldg.
Attn: Ing. Bracci

1. Referring to above requisition covering material r required by I.S.R. for second period of 1945

2. The zone of Interior, through MTOUSA is requesting additional information on the following items:

	Unit	Item N°.	Quantity
Paper in rolls for Morse telegraphic machine. Standard specification	tons	219	2
Furnish diameter of roll desired			
Gummed Morse Teletype paper Standard specifications	tons	220	1/2

Furnish width of paper and type of machine in which paper is to be used.

Batteries for telephone and telegraph (type B) 4 volts, 50 Amp.hours dimension of space occupied: height 10-15/32", 6-11/16" x 4 5/8"	each	223	4,000

3478

Furnish information as to whether dry or wet batteries are desired, also part number and name of manufacturer.

3. Please furnish the above information promptly.

DIRECTOR

Declassified E.O. 12356 Section 3.3/NND No. 785021

Declassified E.O. 12356 Section 3.3/NND No. 785021

Allied Force
MILITARY RAILWAY SERVICE-ITALY
Office of Director

APO 512
29 August 1945

400.312-S

SUBJECT: Requisition TRANS-IV-F-105

TO: Transportation Officer
A.C., Transportation Sub-Commission
Building

1. With reference to Requisition TRANS-IV-F-105, covering material required by ISR for second period of 1945.

2. We are attaching hereto copy of message as received from the Zone of Interior, through MTOUSA, with regard to additional information on certain items.

3. For ready reference, we are showing below descriptions of these particular items as they now appear on Requisition F-105.

	UNIT	ITEM NO.	QUANTITY
Paper in rolls for Morse telegraphic machine. Standard specification.	tons	219	2
Gummed Morse Teletype paper Standard specifications	tons	220	1/2
Batteries for telephone and telegraph (type B) 4 volts, 50 Amp hours, dimension of space occupied: height 10-15/32", 6-11/16" x 4-5/8"	each	223	4,000

4. Please investigate and advise.

FOR THE DIRECTOR:

E. F. DE LISLE
Lt Col, TC
Asst Dep Dir-Stores

Incl

2177

0478

Declassified E.O. 12356 Section 3.3/NND No. 785021

Message received by telephone from Lt. Beaton

Clarification is requested of items listed hereafter which appear on Requisition I3R-7106, concerning 219 paper, in rolls, for Morse telegraphic machine. Request dia. of roll desired.

Reference Item 220, gummed Morse teletype paper. Request width of paper and type of machine in which paper is to be used.

Reference Item 223, batteries for telephone and telegraph. Request advice as to whether dry or wet batteries are desired; also part number and name of manufacturer.

3476

0479

Declassified E.O. 12356 Section 3.3/NND No. 785021

Subject:- Disposal of Stores.

ALLIED FORCE HEADQUARTERS

Tele No. Freedom 918

AFHQ/3003/1/G(AF)

13 Aug 45

To(E) Main.

Reference your Tn A.2/127 dated 7 Aug 45.

1. The disposal of surplus stores in this theatre is the responsibility of the Ministry of Supply representative to whom AO should make all their requests for requisition.

2. Until stores in which they are interested are declared globally surplus AO must continue to meet their present commitments by programming their demands on COMZ which are met so far as possible from theatre surplus military stocks.

S.G. Gaskell Lt-Col.
S.G. Gaskell, Lt. Col.,
for Quartermaster, G(AF)

G(AF)/FRA

Copy to:- C-in-C and Tn.
AO in Sub Commission.

3475

Declassified E.O. 12356 Section 3.3/NND No. 785021

MEMORANDUM

Major Log CE
for Information

Tel*: 843239
Ref.: AC/Mn/15/2 C.E.

12 August 45

SUBJECT: Track and Maintenance Equipment
Requirements for Track Equipment
Programme.

1. These being for use in the first stage of reconstruction, should be included in the 1945 Programme, as they are of an urgent nature.

2. This list has been screened and appears to be reasonable having regard to the amount of reconstruction work being undertaken.

3. Any of these items that were shown on "FABBISOGNO MATERIALI" 1945 and 1946 have been deleted.

4. If any of these items can be supplied from existing Army Stocks; it will save both shipping space and time.

Number Required.	Item	Or similar to number shown on USArmy Catalog.
B 30	Breakers paving pneumatic 100lb class	66-2435-300-000
30	- ditto - 55lb class	
	In addition, spare parts for ~~type~~ M/cs. supplied for normal maintenance for 12 months.	
		66-2435-300-000.
200	Bits Pointed for breakers Paving (100lb) class	
200	Bits Chiesel pointed ditto " " for type of mls supplied.	
200	Bits Pointed for breakers Paving (55 lb)	

taken.

3. Any of these items that were shown on "FABBISOGNO MATERIALI" 1945 and 1946 have been deleted.

4. If any of these items can be supplied from existing Army Stocks; it will save both shipping space and time.

Number Required.	Item	Or similar to number shown on USArmy Catalog.
B 30	Breakers paving pneumatic 100lb class	66-2435-300-000
30	- ditto - 55lb class	
	In addition, spare parts for ~~M/C~~ M/Cs. supplied for normal maintenance for 12 months.	66-2435-300-000.
200	Bits Pointed for breakers Paving (100lb) class	
200	Bits Chiesel pointed ditto " " for type of mls supplied.	
200	Bits Pointed for breakers Paving (55 lb) class	
200	Bits-Chisel pointed ditto " " for type of mls supplied.	
100	Bucking Tools Pneumatic (Holder up) for use with each type of Hammers Pneumatic Riveting supplied.	
	In addition spare parts for 12 months maintenance.	
30	Busters rivet pneumatic-"Red Devil" type, capacity up to cutting heads off 1" dia rivets.	

3474

Declassified E.O. 12356 Section 3.3/NND No. 785021

nber quired.	Item	Orchimilar item number shown on US Army Catalog.
	In addition spare parts for 12 months maintenance.	
300	Bits (Chisel) assorted for type of Busters supplied.	
C.30	Compressores Air, capacity 500 C.M.F. complete with all accessories, tools and servicing equipment.	66-3250-500-00
30	ditto capacity 210 C.M.F.	
	In addition spare parts to the scale necessary for the 12 months maintenance of the make and type of m/Cs supplied	66-3250-210-30(
10	Cranes crawler mounted Revolving (swing) 7 to 10 tons. (class IV type) Diesel driven (with tools).	
5	Cranes crawler mounted as above, (class IV) Capacity 1½ to 2, cubyd (with tools).	78-2813-001-00(
	In addition such spare parts as are necessary for 12 months maintenance service.	
D.50	Drills pneumatic portable rock 35 lb class	66-4575-350-00
	In addition spare parts for M/Cs supplied for normal maintenance for 12 months.	
10	Digger clay Pneumatic	66-4395-570-50
25	Dump trucks (Automobile Murhill type) capacity 1 cube yard.	

E.

Declassified E.O. 12356 Section 3.3/NND No. 785021

5	Cranes crawler mounted as above, (class IV) capacity 1½ to 2¼ cubyd (with tools).	78-2813-001-00
	In addition such spare parts as are necessary for 12 months maintenance service.	
D.50	Drills pneumatic portable rock 35 lb class	66-4575-350-00
	In addition-spare parts for M/Cs supplied for normal maintenance for 12 months.	
10	Digger clay Pneumatic	66-4395-570-50
25	Dump trucks (Automobile Murhill type) capacity 1 cube yard.	

E.

3473

Declassified E.O. 12356 Section 3.3/NND No. 785021

Number Required.	Item	shown on U.S. Army Catalog.
E. 2000	lbs each Electrodes Welding steel mild general purpose. 5/32 x 14 " 1/8 x 14 " 3/16 x 14 " 1/4 x 14 "	
H. 100	Hammers Pneumatic Riveting-up to capacity of 1" Rivets Ingsold Rand type.	46-3772-150-20
120	Sets of Assorted snap for 1/2" to 1" rivets for above M/Cs supplied.	40-5488-050-500
	In addition spare parts for maintenance, of the M/Cs supplied, for 12 months.	
5	Hammers pneumatic or steam double Acting 7.000 lbs complete with all necessary hoses, fittings, guides, etc.	
5	Hammers pneumatic or steam, single activing 1020 lbs complete with all necessary hoses, fittings wire roper guides, etc.	66-5345-7 66-5345-1
	In addition spare parts for 12 months maintenance of the M/Cs supplied.	
6.	Hoist which Builders type Gasoline or Diesel driven maximum lift 60 feet capacity 1 ton each with the necessary steel wire rope	
10	ditto max: lift 100ft capacity 1 ton.	
	In addition 2 spare S.W. Ropes for each type supplied.	
150. 100	Lengths hose pneumatic braided x 25 ft " " " " x 50 ft each complete with fastenings to suit,	38-5464-070+
	Concrete Breakers, Buster Rivet Drill Rock Pneumatic, and diggers clay pneumatic	

Declassified E.O. 12356 Section 3.3/NND No. 785021

5 7.000 lbs complete with all necessary - 66-5345-7
fittings, guides, etc.-

5 Hammers pneumatic or-steam, single activing 66-5345-1
1020 lbs complete with all necessary-
hoses, fittings wire roper guides, etc.

In addition spare parts for 12 months
maintenance of the M/Cs supplied.

6. Hoist which Builders type Gasoline-or Diesel
driven maximum lift 60 feet capacity 1 ton
each with the necessary steel wire rope

10 ditto max: lift 100ft capacity ½ ton.

In addition 2 spare S.W. Ropes for each type supplied.

150. Lengths hose pneumatic braided x 25 ft 38-5464-070+
100 " " " " -x 50 ft
each complete with fastenings to suit,
Concrete Breakers, Buster Rivet Drill Rock
Pneumatic, and diggers clay pneumatic, supplied
again these items requested.

6 Lengths Hose 4" Suction x 15 ft
w/ foot valve and strainer.
6 Lengths Hose 4" deliver to suit pumps
4" Centrifugal supplied.

3472

J.24 Jacks Universal or-bridge 41-4966-500-150
12 " Hydraulic 8 tons 57-4904-500-500
10 " " -20 tons 41-4944-300-15
6 " Duff norton 35 tons 41-4597-31-102.

Declassified E.O. 12356 Section 3.3/NND No. 785021

4

Number required.	Item	Or Similar item number shown on U.S. Army Catalog.
	In addition Hydraulic fluid for type - supplied for 1 years Service. Spare parts for 12 months maintenance.	
M.15	Mixers concrete 14-cu-ft gasoline or diesel driven complete with tools and all accessories.	78-5785-140-800.
5	ditto I cube yard.	
	In addition, for the mixers supplied suitable spare parts, vables, S.Wire Rope etc. for 12 months maintenance.	
P. 10	Pumps diaphragm gasoline Eng: driven 100 G.P.M. at 10 ft	11-5620-410-500
	In addition spare diaphragms 144 for M/C supplied.	
5	Pumps centrifugal 4" gasoline or diesel Eng. driver, 4" discharge 400 G.P.M. 120 ft	11-4773-430-200
	In addition spare parts necessary for 12 months maintenance of the above pumps to be supplied.	
10	Pile Driving frames, 60-ft high, complete with steam which, boiler, 2 tons-drop hammer, all the necessary ropes, connections, tools and fittins.	
R.3	Rollers Road gas or diesel Eng. driver 5 to 8 tons.	78-7065-050-000

Declassified E.O. 12356 Section 3.3/NND No. 785021

In addition spare diaphragms 144 202
M/C supplied.

5 Pumps centrifugal 4" gasoline or diesel Eng. driver, 4" discharge 400 G.P.M. 120 ft 11-4773-430-200

In addition spare parts necessary for 12 months maintenance of the above pumps to be supplied.

10 Pile Driving frames, 60-ft high, complete with steam which, boiler, 2 tons-drop hammer, all the necessary ropes, connections, tools and fittins.

R.3 Rollers Road gas or diesel Eng. driver 5 to 8 tons. 78-7065-050-000

S 5 Shovels Power ½ cube yard, crawler 78-7585-300
5 ditto 1 cube yard.
Each machine to be supplied complete with:-

a) Forward crowd equipment.
b) Dragline equipment.
c) Crane equipment.
d) Back actor equipment.

In addition, set of tools and servicing equipment, and spare parts for 12 months maintenance of M/Cs supplied.

10 Spades Digger pneumatic clay 66-8065-400_500.

Declassified E.O. 12356 Section 3.3/NND No. 785021

number required.	Items	Or Similar to item number shown on U.S. Army Catalog.
T.2	Tractors, crawler, diesel Eng. driven 70/90 BHP. Standard w/ Angledozer tilting.	78-8168-020-000
3	Ditto 55/65 HP Bull dozer	78- S 260
2	ditto 110/140 BHP complete with Hyster which	78-8178-030-000 98-9875-550-800
3	Ditto 70/90 HP Bull Dozer.	78- S 435
	In addition the necessary tools and servicing equipment. Also the spare parts necessary for 12 months maintenance of the M/Cs supplied.	
W.20	Sets cutting and welding equipment Oxy, actylene complete	970-02
5	Ditto general purpose underwater oxy arc cutting complete.	970-03
	In addition, spare tips (Nozzels) both cutting and welding for 12 months.	

Declassified E.O. 12356 Section 3.3/NND No. 785021

of the s/Os supplied.

W.20	Sets cutting and welding equipment Oxy, acetylene complete	970-02
5	Ditto general purpose underwater oxy arc cutting complete.	970-03

In addition, spare tips (Nozzels) both cutting and welding for 12 months.

3470

Declassified E.O. 12356 Section 3.3/NND No. 785021

TRANSPORTATION SUB-COMMISSION, A.C.,
(RAIL DIVISION)
c/o.Transportation (Pr) Main,
C.M.F.

Tel : 543239
Ref : AC/Tn/59/36 C.R.

11 August 1945

SUBJECT : Screening Report on FABBISOGNO MATERIALI.

TO : The Chief,
Rail Division,
Allied Commission.

1. From inspection and discussion with the I.S.R. engineers responsible for the preparation of the various sections of their request for rehabilitation materials (Fabbisogno Materiali); it is observed from their data that this request has been very carefully compiled.

2. It is not possible to accurately check all the quantities in the time available, but having regard to the amount of destruction and their programme, the quantities have been found in the main fair and reasonable.

A.H.STREET, Lt. Colonel.

Declassified E.O. 12356 Section 3.3/NND No. 785021

1. From inspection and discussion with the I.S.N. engineers responsible for the preparation of the various sections of their request for rehabilitation materials (Rehabilitation Materials); it is observed from their data that this request has been very carefully compiled.

2. It is not possible to accurately check all the quantities in the time available, but having regard to the amount of destruction and their programme, the quantities have been found in the main fair and reasonable.

A.E.STREET, Lt. Colonel.

3409

Declassified E.O. 12356 Section 3.3/NND No. 785021

Screening of PARAGRAPHS FROM SHEET 1.

Sheet Para

1 1. Sidcrurgy: Some of the materials required for construction of the articles mentioned in this paragraph (e.g. Trucks. telephone line accessories, etc.) are repeated in other pages of the folio. Therefore the figures shown are too high. These have been rechecked by the I.S.R. and should now read Steel: 11500 tons; Zinc: 45 tons.

2. Rails: The request for the importation of 500 Km. of complete track for all Italy is reasonable if this can be arranged It is felt, that owing to internal industrial circumstances in Italy, that the shipping of the first 500 Km. (105000 tons) should be complete with ties (sleepers) of either timber or steel with the necessary fastenings to suit. This would enable a start to be made with the rehabilitation. Later it should be possible to obtain ties (sleepers) locally. A request has been sent to the I.S.R. asking for their quantes that they will keep to their programme of 100 Km.(210000 Tn) of track per month.

3. Fastenings: The difference in weight between that requested and that necessary for 300 Km. of track is explained that these are necessary for maintenance of lines now open for traffic. It should be noted that the weight of fastenings is greater in Italy than with British Military Railways- being almost double (figures obtained from I.S.R. handbook). I.S.R. have been asked to reduce their request for 1945 and 1946 by 33 per cent.

4. Difference between raw & finished materials appears to be high, this could possibly be checked by the industry division.

5. Cast iron for blocks and supports: This is a reasonable demand according to I.S.R. practice.

6. Rapid steel for tools: (High Speed Tool Steel) This is a reasonable demand.

7. Assorted rivets: This is also a reasonable demand.

Declassified E.O. 12356 Section 3.3/NND No. 785021

3. Fastenings: The difference in weight between that requested and that necessary for 300 Km. of track is explained that these are necessary for maintenance of lines now open for traffic. It should be noted that the weight of fastenings is greater in Italy than with British Military Railways- being almost double (figures obtained from I.S.R. handbook). I.S.R. have been asked to reduce their request for 1945 and 1946 by 33 per cent.

4. Difference between raw & finished materials appears to be high, this could possibly be checked by the industry division.

5. Cast iron for blocks and supports: This is a reasonable demand according to I.S.R. practice.

6. Rapid steel for tools: (High Speed Tool Steel) This is a reasonable demand.

7. Assorted rivets: This is also a reasonable demand.

8. Thin galvanised iron sheets: Only 12 tons asked for and seems a fair request.

9. Wire for overhead telegraph line: This for use on line, Roma Milano and Roma Napoli. Request - fair. 3468

10. Decauville for 1945: This should be obtained from the Italian Government in the near future, when this is derequisitioned by the various Army Authorities.

Declassified E.O. 12356 Section 3.3/NND No. 785031

Page.	Para.	
1	11	This refers to water piping required for repairs to station water systems, acqeducts etc.. This figure was arrived aton estimates obtained from two surveys of sites. A period of one year covering both surveys.
	12	This refers to cable used to keep signal wire in tension. It appears to be a fair demand.
	13U	Used for signals overhead cable etc. A fair request.
	14	Water columns used for supplying locos with water and replacing those damaged or destroyed.
2	1	This for use with the telegraph and signals department. The method of arriving at this figure was checked and the estimate is fair.
	2	The I.S.R. now wish to revise this figure to 1500 Km (i.e. an increase of 1000 Km.)in order to incorporate Torino Milano Verona Venezia into their existant scheme. Requirements now would be:- Copper 100 tons, Cadmium 1 ton
	3	To fit in with the telephone and signals programme and is a fair request.
	4-5-6-7	All as for Para 3 above.
	8	A fair estimate consideringthe amount of water piping demand -ed.
3	1	A reasonable demand.
	2	A reasonable demand.
	3	A reasonable demand.
	4	A reasonable demand.
	5	The method of arriving at this figure was checked and adheres

Declassified E.O. 12356 Section 3.3/NND No. 785021

2 The I.S.R. now wish to revise this figureto 1500 Km (i.e. an increase of 1000 Km.)in order to incorporate Torino Milano Verona Venezia into their existant scheme. Requirements now would be;- Copper 100 tons, Cadmium 1 ton

3 To fit in with the telephone and signals programme and is a fair request.

4-5-6-7 All as for Para 3 above.

8 A fair estimate consideringthe amount of water piping demand-ed.

3 1 A reasonable demand.

2 A reasonable demand.

3 A reasonable demand.

4 A reasonable demand.

5 The method of arriving at this figure was checked and adheres to the electro mechanical programme.

6 As for para 5 above.

7 A reasonable demand.

3487

8 and 9 These refer to water tanks and portable watertanks required at stations to replace those damaged and destroyed.

4 1 These refer to loco turntables. The demand seems fair and reasonable.

2 These have already been indented for on a supplementary indent dated 8 August 1945.

3 A reasonable demand.

4 These refer to Freight lifts and elevators used in stations. The figure of 35 being required seemed excessive but on check with the I/S/R/ proved satiisfactory. These to replace those destroyed or damaged.

Declassified E.O. 12356 Section 3.3/NND No. 785021

Page.	Para.	
4	B1	These are the type used to weigh freight on rail. 17 are requested and are to replace bombed ones at Verona -Padua-Bologna.etc.
	B2	A_B for para B1.
	B3	As for para B1.
5	1	These are domestic pumps for Casa Cantonieri etc: and to replace bombed and damaged ones. The system of arriving at the number requested was checked.
	2	Pumps for supplying water to cisterns and reservoirs at stations. A fair estimate.
	3	as for para 2 above.
	4	As for para 2 above.
	5	Fire fighting appliances and a reasonable estimate of the materials required.
	6	A supplementary indent for these has already gone in on 8 August 1945.
	7	Please see supplementary indentof 8 August 1945.
	8	~~As for para 7.~~ Small shunting locos. reasonable.
	9	As for para 7.
	10	As for para 7.
	11	These are hand driven augers (earth), and should be available from army sources.
	12	This refers to valves for water systems and is a reasonable estimate considering the amount of piping being used in the programme.

1-2-3-4-5-6 The items in these paras have been checked over

Declassified E.O. 12356 Section 3.3/NND No. 785021

5 Fire fighting appliances and a reasonable estimate of the materials required.

6 A supplementary indent for these has already gone in on 8 August 1945.

7 Please see supplementary indentof 8 August 1945.

8 ~~As for para 7.~~ Small shunting locos. reasonable.

9 As for para 7.

10 As for para 7.

11 These are hand driven augers (earth), and should be available from army sources.

12 This refers to valves for water systems and is a reasonable estimate considering the amount of piping being used in the programme.

5bis 1-2 - 3-4-5-6 The items in these paras have been checked over with the I.S.R., and though no exact figure could be arrived at, the figures shown on the folio are conservative in view of the fact that many stations are without lights of any kind at present.

3466

6 1-19 Note;- It is the intention of the I.S.R. to re-institute their original signalling system on the Napoli-Roma-Firenze-Bologna-Milano lines; This was a 3000 lever system. The items requested here on page 6 are indented for on that understanding together with the knowledge that salvaged mater-ial is to be had.

6bis 1-10 This again depends on the 3000 lever system shown on page 6 paras 1-19.

7 1-2 These have already been indented for on a supplementary indent dated 8 August 1945.

Declassified E.O. 12356 Section 3.3/NND No. 785031

SCREENING OF RAMSOGNO MATERIALI SHEET 4

Page.	Para.	
8	1-12	For rehabilitation of Ponessieve Workshops. ~~Please see Major Gill's report.~~ reasonable demand.
9	1-(5	These all to replace motor dynamo groups destroyed. Considered a fair request on the evidence shown.
9bis	6	For use in conjunction with the above.
	7	These batteries to replace stocks consumed and destroyed during the campaign. Stock/ books were inspected. Note;- the lead asked for under this heading must be pure i.e. suitable for use in batteries.
	8-17	These requests are intended to cover the telephone , telegraph and signals programme;-Roma- Pisa-Parma-Milano Bologna-Firenze-Orte-Falconara. Note;-The demands for primary and secondary cable are for repairs only to the orte-Firenze-Bologna-Milano lines. The method of arriving at the figures of materials raquest
9		-ed for is satisfactory.
9bis	18-20	These also depend upon Paras 8-17 shown above.
9bis (cont)		POWER PLANTS AND SUB-STATIONS.
	1	For use at SUVIANA between Florence and Bologna,and to replace pre-war installation destroyed during the war. This was the only power station used by the I.S.R. in Mid Italy.
	2	Two of these for use at SUVIANA in conjunction with the above para 1. The other twofor use north of SUVIANA for current correrion.
	3	To replace 25 transformersdestroyed on lines Milano-Piacenza Milano-Voghera Falconara-Orte Bolgna-Firenze.
	4	Transformers for lighting stations etc.;- auxiliary service;
	5	For use with the 25 transformers mentioned in para 3

Declassified E.O. 12356 Section 3.3/NND No. 785021

9		-ed for is satisfactory.
9bis	18-20	These also depend upon Paras 8-17 shown above.
9bis (cont)		POWER PLANTS AND SUB-STATIONS.
	1	For use at SUVIANA between Florence and Bologna, and to replace pre-war installation destroyed during the war. This was the only power station used by the I.S.R. in Mid Italy.
	2	Two of these for use at SUVIANA in conjunction with the above para 1. The other twofor use north of SUVIANA for current conversion.
	3	To replace 25 tranaformersdestroyed on lines Milano-Piacenza Milano-Voghera Falconara-Orte Bolgna-Firenze.
	4	Transformers for lighting stations etc.;- auxiliary service;
	5	For use with the 25 transformers mentioned in para 3.
	6	Outside switches for sub-stations.
	7	As for para 6. 3405
	8	For use on contact line.
	9	This refers to to all feeding apparatus to live line;-e.g. switches - resistances - relay switches - Measuring apparatus etc.
	10	Condensers.
	11	Conducters - insulators etc. for use at sub-stations.
	12	Girders-frames-trusses-beams for use at sub-stations shown in para 3.
	13	The figure shown here refers to cubic metre damage to sub stations etc and the estimate is fair on evidence shown.

Declassified E.O. 12356 Section 3.3/NND No. 785021

Page. Para.

9(cont) HIGH TENSION LINES.

1 For the purpose of calculating requirements under this heading the I.S.R.consider 500 kilometres as being completely destroyed. The supports mentioned in this para refer tosteel pylons the sizes differ according to location and current.

2-3 These for use on high tension line.

4 These refer To suspension appliances, clamps etc.

9(cont) Overhead CONDUITS.

This should really read as Contact Line and is intended to cover 400kilometre run
Paras 4-5 are materials required to make this contact line.

10 1-3 BRICKS AND BUILDING MATERIALS.

The quantities for the above were arrived from the reports sent in by the Cape Compartmenti.
The figures,as far as can be ascertained, are reasonable according to those reports.
The coal asked for is equivalant to the requirements necessary for the manufacture of the items.

11 VARIOUS ITEMS

1 These refer to inspection cars for use in the various compartimenti;-
77 are requested of the motor cycle engine type approx (5 H/P)
These would work out at five per compartimenti with a few in reserve.
Two 45/60 H.P. are requested these are for light shunting.
These requests seem fair and reasonable.

2 These refer to luggage and merchandise carriers,and to replace part of those destroyed.

4-8 These are all small requests and are self explanatory.

9-14 As for 4-8 above.

Declassified E.O. 12356 Section 3.3/NND No. 795021

BRICKS AND BUILDING MATERIALS.

10 1-3 The quantities for the above were arrived from the reports sent in by the Capo Compartimenti.
The figures,as far as can be ascertained, are reasonable according to those reports.
The coal asked for is equivalent to the requirements necessary for the manufacture of the items.

11 VARIOUS ITEMS

1 These refer to inspection cars for use in the various compartimenti;-
77 are requested of the motor cycle engine type approx (5 H/P)
These would work out at five per compartimenti with a few in reserve.
Two 45/60 H.P. are requested these are for light shunting.
These requests seem fair and reasonable.

2 These refer to luggage and merchandise carriers,and to replace part of those destroyed.

4-8 These are all small requests and are self explanatory.

9-14 As for 4-8 above.

16-17 These refer to heavy lorries etc , and it is considred that the I/S/R would be advised better if they were asked to purchase these from a manufacturer in the north of Italy.

3464

Declassified E.O. 12356 Section 3.3/NND No. 795021

0502

Declassified E.O. 12356 Section 3.3/NND No. 785021

Transportation (Br) Main
C.M.F.
Tel: Firebox 9596.

File: Tn. A.2/127

7 August 1945

SUBJECT : Disposal of Stores.

TO : Q (AE) A.F.H.Q.

Copy to : G-4 Mov. & Tn.
A.C. Tn. Sub-Commission

1. Large quantities of stores of Ord., R.E. and S.& T., origin are normally required by the Transportation Service to enable them to undertake the reconstruction, repair, maintenance and operation of railways, ports and insland waterways to military requirements. For this reason Tn is authorised to hold in bulk in Tn Stores Depots stores of other services provision.

2. In accordance with an agreement reached by the Allied Railway Board, A.C. (Tn. Sub-Commission) will be responsible for the provision of stores for the I.S.R. as from 1 October 1945, but A.C. have stated that they can accept this responsibility only if substantial quantities of surplus W.D. stores are made available for their use. As far as Tn Stores of Tn origin are concerned Tn. (Br.) will declare surpluses to War Office together with details of bids received from A.C. Italy, A.C. Austria and UNRRA, AFHQ, and allocation for civil and use will be agreed by War Office with the Ministry of Supply. The question now arises as to whether AC will be able to bid for stores of other Services' origin, as Tn. (Br.) have no authority to issue such stores to A.C., and will report to the Service concerned at A.F.H.Q. all stores held in T.S.Ds surplus to TN military requirements as and when they arise.

3. Will you, therefore, please confirm that:

(a) A.C. Italy will be able to bid for any surplus stores of other services provision as these stores are reported to War Office,

(b) Before theatre stocks of global surplus of stores of other services'provision are put up for sale in the open market, A.C. Italy will be able to bid for any stores required by them.

4. It is naturally presumed the H.Q., A.C. will coordinate the requirements of all their Sub-Commissions for any common user items before they submit bids.

D.R.H. CHAPLIN, Lt.Col.,
A.D.Tn. (Stores)
for Brigadier
Director of transportation

Declassified E.O. 12356 Section 3.3/NND No. 785021

GAL/av

INTER-OFFICE MEMO

File N. AC/Mat/14/16/Tn 4

SUBJECT : Italian State Railways Six Month Supply.

TO : Planning Staff Tn 2.
Attn: Mr.C.R. Ryan

1. Attached is copy of letter Tn A.2/76/12 dated 4 August 45 from D.M.R.F. dealing further with the I.S.R. maintenance materials which are due to arrive at Naples or Leghorn.

2. Forwarded for your information.

Chief
Rail Division

Incl: Letter referred to in para 1.

Transp. Sub-Commission (Rail Div.)
6 August 1945
Tel: 84391-11

3672

SUBJECT : Italian State Railways-
Six Month Requirements.

Military Railway Service,
C.M.F.
Tel: Firebox 9368
File: Tn A.2/76/12

4 August 1945

TO : HQ. 18 Tn.Stores Port Section, 56 Area.
331 Tn. Stores Depot.
N°.3 Tn. Stores Group.
Tn. Sub-Commission A.C.

Ing. G.Bracci
Stores Department,
HQ. I.S.R.
Lt.Col. E.F. De Lisle

1. Referring to our letters Tn.A.2/76/12 of July 2nd and 13th.

2. Please note the stores shown on the list accompanying my letter of 13th July will be marked MIT% ( ) TCIV-ISR-SMP-F.105, with probably additional markings, and if received at Naples are to be sent to 1175 M.R.S. Stores Depot, Poggioreale (and not 328 T.S.D. as originally indicated) and if received at Leghorn to 331 T.S.D.

3. The stores shown on the list accompanying my letter of 2nd July will probably be marked ALUL-RNG-IV-MRS-SMP-U.198, and according to the port of discarge should be dealt with as above.

4. 18 Tn. Stores Port Section should obtain the two lists of these stores originally sent to 326 T.S.D. and take action as directed.

5. The Detachment at Leghorn should also be suitably instructed with regard to the respective markings.

6. These stores will not be taken on charge at T.S.D's but advised on a special Stores Initial Receipt Return.

7. If it is found the U.S.A. personnel are unable at any time to cope with the acceptance of these particular stores at 1175 M.R.S. Stores Depot, Poggioreale, every endeavour will be made to render assistance from British sources and application for such assistance will be made to H.Q. N°.3 Tn.Stores Group.

3461

Declassified E.O. 12356 Section 3.3/NND No. 759021

with probably additional markings, and if received at Naples are to be sent to 1175 M.R.S. Stores Depot, Poggioreale (and not 328 T.S.D. as originally indicated) and if received at Leghorn to 331 T.S.D.

3. The stores shown on the list accompanying my letter of 2nd July will probably be marked ALUL-RMC-IV-MRS-SHP-U.498, and according to the port of discarge should be dealt with as above.

4. 18 Tn. Stores Port Section should obtain the two lists of these stores originally sent to 326 T.S.D. and take action as directed.

5. The Detachment at Leghorn should also be suitably instructed with regard to the respective markings.

6. These stores will not be taken on charge at T.S.D's but advised on a special Stores Initial Receipt Return.

7. If it is found the U.S.A. personnel are unable at any time to cope with the acceptance of these particular stores at 1175 M.R.S. Stores Depot, Poggioreale, every endeavour will be made to render assistance from British sources and application for such assistance will be made to O.C. No.5 Tn.Stores Group.

L.E. ROBSON, Major
for Brigadier,
Director Military Railway Service

Declassified E.O. 12356 Section 3.3/NND No. 785021

xt.513 HEADQUARTERS ALLIED COMMISSION 14 CCR/em
APO 394
TRANSPORTATION SUB-COMMISSION

Ref. 225/6/Tn.2 7 August 1945

SUBJECT: Wagon Sheets.

TO : Economic Section, Requisition Branch
(Attn. Lt. Col. Quertier).

1. Reference attached MED/TR/RE.83 of Transportation (Rr) Main C.C.S.F. and AC/Mat/14/16/Tn.4 of Allied Commission, Transportation Sub-Commission, Rail Division.

2. We should appreciate your preparation of requisition for subject items in the amount shown.

3. Justification should reflect comments shown in Para 2 and 3 of second reference letter, adding that closed wagons are in critically short supply and losses thru pilferage and spoilage of materials carried in open wagons will be materially reduced by acquisition and use of wagon sheets.

For the Director

CHARLIE RYAN
Chief, Planning Staff
Transportation Sub-Commission

CHARLIE RYAN
TRANSPORTATION
Planning Staff

Declassified E.O. 12356 Section 3.3/NND No. 785021

requisition for subject items in the amount shown.

3. Justification should reflect comments shown in Para 2 and 3 of second reference letter, adding that closed wagons are in critically short supply and losses thru pilferage and spoilage of materials carried in open wagons will be materially reduced by acquisition and use of wagon sheets.

For the Director



CHARLIE RYAN
Chief, Planning Staff
Transportation Sub-Commission

Copies to:

G-3 (Civil Affairs) Branch, A.F.H.Q.

Transportation (Dr) Main C.M.H.Q.
(Attn. Capt. A. S. Hitchcock).

Rail Division
(Attn. Maj. C. H. Long).

3460

Declassified E.O. 12356 Section 3.3/NND No. 785021

Declassified E.O. 12356 Section 3.3/NND No. 785021

CHL/av

INTER-OFFICE MEMO

File N. AC/Mat/14/15/Tn 4

SUBJECT : Wagon Sheets.

TO : Planning Staff Tn 4
Attn: Mr. C.R.Ryan

1. Attached is copy of letter from D.M.R.S., Med/Tn 2/MS.83 dated 28 July 45 in regard to their cancellation of an order for 4000 wagon sheets which are available at a Transportation Stores Depot in the Middle East.

2. The Italian State Railways have a great need for these wagon sheets and it is requested that a requisition be made through G-5 A.F.H.Q. to secure them.

3. The Hemp Control Division have advised on several occasions that they cannot supply the material in the weights required.

4. Will you please advise if it will be possible to initiate the requisition for 4,000 wagon sheets 15 ft x 30 ft so we may answer paragraph 3 of attached letter.

Chief
Rail Division

Incl: Letter referred to in para 1.

Transp. Sub-Commission (Rail Div.)
1 August 1945
Tel: 843191-11

Declassified E.O. 12356 Section 3.3/NND No. 785021

CG/ax

14

(MAIL DISTRICT)
C/o Transportation (Air) Wales,
U.S.A.

Tel.: 555302

Ref.: AG/275/No.4

4 August 45.

SUBJECT: Rehabilitation of Italian Railway. Short and long Term Policy.

1. Reference is to AG/275/No.4 dated 18, 24 and 28 July.

2. Owing to the fact that the I.T. list of rehabilitation requirements will not be completed in time for the meeting on Monday 6 Aug 45, meeting is now cancelled. screening of

3. The meeting will be called at a later date, when the notification will be given.

for Director.

DISTRIBUTION:
Director In Sub-Comm.
Dept. Director, In sub-comm.
Chief, Rail Division
Lt.Col. A.M.Street
→ Major O.K.Lang
Major G.L.Belcher
Mov (Rail) Lt.Col. Bolton
Planning Division
Ing.Di Raimondo, F.U.S.

3423

0510

Declassified E.O. 12356 Section 3.3/NND No. 785021

14

FOR ACTION ADVAN FOR OOS FOR OCAC FOR CLAC REPD UK BASE SECTION (LONDON) FOR CABINET SECRETARIAT REPD ATBQ FOR ENGEC

2467 24 July 45 ROUTINE

CONFIDENTIAL FD

THIS IS MOC TWO FOUR SEVEN FD

REFER COS NINE FOUR FD

PAREN TO FOR ACTION ADVAN FOR OOS FOR OCAC FOR CLAC REPD UK BASE SECTION (LONDON) FOR CABINET SECRETARIAT REPD ATBQ FOR ENGEC FROM HQ AGCS CITE ACSFO PAREN

PARA ONE FD THE RAW MATERIALS NECESSARY FOR MANUFACTURING FREIGHT CARS AS PER COS NINE FOUR HAVE BEEN INVESTIGATED FD IT IS FOUND THAT IN BROAD FIGURES THE ORDER REPRESENTS ONE NAUGHT NAUGHT NAUGHT NAUGHT NAUGHT METRIC TONS OF STEEL AND CAST IRON CMA WHICH IN TERMS OF COAL AND OTHER INGREDIENTS IS AS FOLLOWS CLN TWO NAUGHT NAUGHT NAUGHT NAUGHT TONS COKING COAL CMA FOUR NAUGHT NAUGHT NAUGHT NAUGHT TONS COAL FOR GAS PRODUCERS CMA SEVEN NAUGHT NAUGHT TONS SPECIAL FIG IRON CMA ONE FOUR NAUGHT NAUGHT TONS MANGANESE ORE CMA FIVE NAUGHT NAUGHT TONS MAGNESITE CALCINED CMA FIVE NAUGHT NAUGHT TONS MACHINING BRICKS CMA ONE FIVE NAUGHT NAUGHT TONS COPPER CMA TWO THREE NAUGHT TONS TIN CMA THREE THREE NAUGHT TONS INSULATED MATERIALS CMA AND ONE FIVE NAUGHT NAUGHT NAUGHT TONS TIMBER FD

PARA TWO FD THE QUESTION OF PAINTS AND AXLE BOX PACKINGS WILL BE SUBJECT OF FURTHER

...../.....

Declassified E.O. 12356 Section 3.3/NND No. 785021

CONT'D SIGNAL 2467

~~CORRECTION~~ COMMUNICATIONS AS NEAR AUS STILL UNDER CONSIDERATION WITH ITEM SUGAR ROSER FD

PARA THREE FD PLEASE ADVISE FD

cc: Industry S/C
Transportation S/C

Requisition Branch

549

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

NICHOLAS FIORELLO
CWO, USA
Asst. Adjutant

Declassified E.O. 12356 Section 3.3/NND No. 785021

14

RESTRICTED

FX 26527
JUL 2216152

F/864
JUL 2310302
ROUTINE

ALEXANDER CITE FHGEG

ACTION ALL LAC ADDRESSEES INFO ALCOM

RESTRICTED.

This is LAC 1254.

Service requisition ENG IV-V 424 has been place on ENTEMP for balance supplies needed to meet USA responsiblity on MSG-269-ENG approved for supply under CCAC (S) 8/6 procedure.

DIST

INFO-ACTION: Tn SC 2
INFO: Chief Commissioner
Econ Sec
File 2
Float

GUARDIAN DEPARTMENT

RESTRICTED

345

0515

Declassified E.O. 12356 Section 3.3/NND No. 785021

CHL/av

INTER-OFFICE MEMO

File N. AC/Mat/14/14/Tn 4

SUBJECT : I.S.R. Six Months Requirements.

TO : Planning Staff - Tn 2
Attn: Mr. C.K.Ryan

1. Attached are copies of requisition IV Shp.-F 105 covering further supplies of stores for the I.S.R., expected to arrive into this theatre during the second half of 1945.

2. The I.S.R. are making an Inventory of materials and supplies in the North and before accepting any critical materials they must certify to M.R.S. that they do not have a sufficient supply to carry on the work.

Chief
Rail Division

Incl. Reqn.referred to in para 1 in dupl.

Transp. Sub-Commission (Rail Div.)
31 July 1945
Tel: 843191-11

3 1/2 1/2

0514

Declassified E.O. 12356 Section 3.3/NND No. 785021

Tel. ROME 64319/64 Firebost
EXT

ALLIED FORCE
MILITARY RAILWAY SERVICE ITALY
OFFICE OF THE DIRECTOR (DMRSI)

Subject: Italian State Railways - Six Months Requirements.

File: Tn.A.2/76/12.

12 July 1945.

To: 326 T.S.D.
331 T.S.D.

Copy to: Tn. Sub-Commission A.C. (Rail Division).

Ing. G. Bracci,
Stores Department,
HQ. I.S.R.

Lt. Col. de Lisle.

1. Further to our Tn.A.2/76/12 letter dated 2 July 45.

2. Attached is copy of requisition Trans-IV-Shp-F105 covering further supplies of stores for the I.S.R. expected to arrive into this theatre during the second half of 1945.

3. The instructions contained in our previous letter apply equally to these stores.

G.J. ELLIS, Capt.,(Tn),
for Brigadier,
Director Military Railway Service.

Enc.

3413

0519

Declassified E.O. 12356 Section 3.3/NND No. 785021

OC, NYPE

TRANS-IV-F105 11 JUNE 1945 15 1
Special

MITE-( )-TCIV-ISR-SHP-F105

FOR THE THEATER
COMMANDER:

K.D. MCKENZIE,
Colonel, T.C.,
Chief of Transportation.

ALBERT W. KARR,
Captain, A.G.D.,
Asst Adjutant General.

Item No.

Steel in unwelded pipes

	Outside dia.	Inside dia.			
	1-49/64"	1-37/64"	Tons	1	80
	1-31/32"	1-49/64"	Tons	2	170
	2-3/64"	1-27/32"	Tons	3	153
	2-3/4"	2-33/64"	Tons	4	115
	5-0"	4-11/16"	Tons	5	300

Steel in pipes for gas

Inside dia.			
1/4"	Tons	6	1/2
3/8"	Tons	7	1/2
1/2"	Tons	8	1
3/4"	Tons	9	1
1"	Tons	10	20
1-1/4"	Tons	11	1
1-1/2"	Tons	12	1
2"	Tons	13	1
2-1/4"	Tons	14	1

Note: The pipes must be between 14 and 20 ft. long, excluding those marked by an asterisk that must be no less than 20' long. The pipes marked by an asterisk will be used as fluer for locomotives (as compressed air piping brakes, sand boxes, etc.) for the manufacture of ferrules and other workshop uses.

High speed steel for lathes fit for a speed of work of 118 ft. per minute on pieces with R. 71,200 to 85,000 lbs. x sp. inch.
40 feet per minute on pieces with R. 113,512 to 128,128 lbs. x sq. inch.

Diameter inches 1-17/64 lbs. 15 [illegible]

0516

Declassified E.O. 12356 Section 3.3/NND No. 785021

			Item No.	
Square inches	1-37/64	lbs.	16	400
Rectangular in.	63/64 x 9/32	lbs.	17	200
Rectangular in.	1-3/16 x 25/32	lbs.	18	200
Rectangular in.	1-3 1/32 x 1-3/16	lbs.	19	200

High speed steel for lathes (I.S.R. Type A2) fit for a speed of work per minute equal to feet:
95 on pieces with R. 71,120 to 85,344 lbs. x sq. inch.
39 on pieces with R. 113,612 to 128,128 lbs. x sq. inch.

Diameter in.	25/64	lbs.	20	50
Diameter in.	25/32	lbs.	21	50
Diameter in.	1-3/14	lbs.	22	100
Diameter in.	3-5/32	lbs.	23	200
Diameter in.	3-15/16	lbs.	24	200
Square in.	25/64	lbs.	25	50
Square in.	25/32	lbs.	26	50
Square in.	1.398	lbs.	27	100
Rectangular in.	25/32 x 19/32	lbs.	28	50
Rectangular in.	1-3/16 x 19/32	lbs.	29	100
Rectangular in.	1-3/8 x 63/64	lbs.	30	50

Note: The above mentioned steel will be used for the construction of lathe tools. Items 15-19, inclusive for high speed work, Items 20-30, inclusive for work of construction of parts of locomotives (strong steels) to be made at less speed.

Chrom wolfram steel fit for making chisels, puncheons, (not thru heating) pneumatic tools, "punching" shears.

Diameter in.	25/32	lbs.	31	500
Diameter in.	63/64	lbs.	32	500
Diameter in.	1-3/16	lbs.	33	500
Diameter in.	1-31/32	lbs.	34	500

Note: This steel will be used for the manufacture of the above mentioned tools or other of the same kind.

Flux coated electrodes for arc welding:

" 12 dia. in.	3/32	ea.	35	20,000
" 10 dia. in.	1/8	ea.	36	250,000
" 8 dia. in.	5/32	ea.	37	200,000
" 6 dia. in.	13/64	ea.	38	5,000

Iron rods, Swedish type, for oxy-acetylene welding:

Diameter in.	3/64	ea.	39	10,000
Diameter in.	5/64	ea.	40	10,000
Diameter in.	1/8	ea.	41	10,000

3451

0517

Declassified E.O. 12356 Section 3.3/NND No. 785021

Item No.			
Small silicious cast iron rods for oxy-acetylene weldings:			
Diameter in. 25/64	ea.	42	5,000
Diameter in. 19/32	ea.	43	5,000
Extra soft steel in wire for oxy-acetylene welding:			
inches 1/8	tons	44	2-1/4
inches 13/64	tons	45	3
inches 15/64	tons	46	1-1/4
Rods, Bronze, Sif.			
1/8 inches	tons	47	1/4
3/16 inches	tons	48	1-1/4
Blades for Mechanical Hack Saws			
about 14 inches long	ea.	50	200
about 16 inches long (10 teeth per inch)	ea.	51	200
Blades for Hack Saws			
about 14 inches long	ea.	52	50
about 15 inches long	ea.	53	50
Rail Saws, inches:			
13-63/64 x 1-13/16 x 19/32	ea.	54	250
Wood Band Saw Blades:			
Width inches 25/32	ft.	55	1,000
Width inches 1-3/16	ft.	56	5,000
Width inches 1-37/64	ft.	57	1,000
Width inches 1-31/32	ft.	58	1,000
Twist Drills with Morse Taper Shank:			
Dia. in. 11 mm to 20 mm by 1mm	ea. (10 sizes)	59	2,000 ø
Dia. in. 21 mm to 32 mm by 1mm	ea. (12 sizes)	60	1,200 øø
Dia. in. 33 mm to 60 mm by 1mm	ea. (28 sizes)	61	1,300 øøø
ø 200 each size			
øø 100 each size			
øøø 45 each size			
Triangular Files.			
Smooth inches 14"	ea.	62	500
Mastard inches 16"	ea.	63	1,500
Seamless Copper tubes inches:			
5/16 x 13/64	tons	64	2/10
25/64 x 5/16	tons	65	1/2
15/32 x 23/64	tons	66	1/2

0618

Declassified E.O. 12356 Section 3.3/NND No. 785021

		Item No.	
Seamless Copper Tubes inches: (Cont'd)			
55/64 x 3/4	tons	67	2/10
1-3/8 x 1-7/64	tons	68	2/10
1-11/16 x 1-19/64	tons	69	1
1-57/64 x 1-1/2	tons	70	5
1-31/32 x 1-49/64	tons	71	2/10
2-11/64 x 1-31/32	tons	72	2/10
2-31/64 x 2-3/32	tons	73	2/10
Babbitt metal	tons	74	36

Note: This is used for the manufacture of wearings for rolling stock (locomotives and vehicles). The type used is composed as follows: 15% Sn, 14% Sb, 1.5% Cu, 69.5% Pb.

Emery Cloth of the # 4	sh.	75	3,500
Mangnesite Jointing Composition	tons	76	15
Haematite Pig iron	tons	77	100

MATERIALS AND MECHANISMS FOR WAY, SIGNALLING, LIGHTING, POWERS AND R.R. TELEGRAPH

Raw Materials			
Insulating oil for electric cables	tons	78	10
Impressing powders for insulating electric materials (Bakelite and the like)	tons	79	1
Semi-Worked Materials			
Insulating paper for cables	tons	80	1
China Clay for Mfgr of special insulation	tons	81	200
Various Insulating Materials for Electric Traction Engines			
Bakelite Cardboard	lbs.	82	250
Electro-thermic insulating sheets for electric apparatuses	lbs.	83	250
Incombustible insulating mixture to be used near electric arcs	lbs.	84	250
Sterling tape	yds.	85	6,920.9
Sterling tubes	lbs.	86	100
Mica in sheets	lbs.	87	200
Asbestos in rope simply twisted the following diameter: 0.15748 inches	lbs.	88	2,500

0519

Declassified E.O. 12356 Section 3.3/NND No. 785021

		Item No.	
Asbestos in rope simply twisted the following diameter: (Cont'd)			
0.23622 inches	lbs.	89	2,500
0.39370 inches	lbs.	90	2,500
Asbestos in sheets of the following thickness:			
0.01969 inches	lbs.	91	250
0.03937 inches	lbs.	92	250
0.07874 inches	lbs.	93	250
0.11811 inches	lbs.	94	250
0.15748 inches	lbs.	95	250
0.19685 inches	lbs.	96	250
0.23622 inches	lbs.	97	250
0.27559 inches	lbs.	98	250
Cardboard (Bristol Board)			
0.05906 inches thick	lbs.	99	5,000
White adhesive gummed tape	yds.	100	20,000
Black adhesive gummed tape	yds.	101	20,000
VARNISHES, COLORING MATERIALS, BRUSHES, FLAT PAINT BRUSHES (for varnishing of wood parts of cars)			
Lampblack	tons	102	1/4
Shellac (used to prepare insulating varnishes)	tons	103	2
LEATHER BELTS (used in railway workshops for transmission of power to tool machine)			
Simple			
width 1" thick approx. 1/5"	yds	104	200
" 1-1/4" " "	yds	105	300
" 1-1/2" " "	yds	106	300
" 1-3/4" " "	yds	107	500
" 2" " "	yds	108	600
" 2-1/2" " "	yds	109	600
" 2-3/4" " "	yds	110	700
" 3" " "	yds	111	200
" 3-1/4" " "	yds	112	600
" 3-1/2" " 1/4"	yds	113	200
" 3-3/4" " "	yds	114	500
" 4" " "	yds	115	600
" 4-1/2" " "	yds	116	500
" 5" " "	yds	117	200
" 12" " "	yds	118	100

3448

0520

Declassified E.O. 12356 Section 3.3/NND No. 785021

Notes - 1/4 inch widths not considered standard. Those specified have been consolidated with 1/2 inch widths.

Double

width	3" thick approx.	1/2"	yds.	119	100
"	3-3/4" "	"	yds.	120	200

0521

Declassified E.O. 12356 Section 3.3/NND No. 785021

		Item No.	
LEATHER BELTS (Cont'd)			
Double			
width 4" thick approx. 1/2"	yds.	121	200
" 4-1/2" " "	yds.	122	300
" 5" " "	yds.	123	400
" 5-3/4" " "	yds.	124	300
Vee Belts (Electric Loco & plant)			
1/2"	yds.	125	300
21/32"	yds.	126	300
7/8"	yds.	127	200
1"	yds.	128	200
1-1/4"	yds.	129	200
LEATHERS AND THIN LEATHERS (used at railway workshops for the manufacture of various packings for locomotives, hydraulic pumps, etc.)			
Dermal dry leather thickness between 1/8" and 1/4"	tons	130	1
Dermal greasy leather thickness between 1/8" and 1/4"	tons	131	1
Thin leather uniform thickness 3/16"	tons	132	1
Thin leather uniform thickness 3/32"	tons	133	1
CHEMICALS			
Common glue for joinery works	tons	134	1/4
Refined borax for workshops and welding	tons	135	1/2
Ferrocyanide of potassium for workshops	tons	136	1/4
Torpedoes for signalling	ea.	137	50,000
Nitric acid 36/40 Be'	tons	138	1/4
Material for filtering low pressure acetylene gas	tons	139	2
Soft common soap for lubricating machine tools	tons	140	2
CLOTHS AND YARNS			
Wool and horse hair for locomotive journals	lbs.	141	4,000
Spun wool for locomotive journals	lbs.	142	5,000
Flat wick for petroleum lamps, size 1/2"	yds.	143	6,000
Flat wick for petroleum lamps, size 5/8"	yds.	144	18,000
Flat wick for petroleum lamps, size 2"	yds.	145	12,000
Lamp wicks; standard	tons	146	1/2

0522

Declassified E.O. 12356 Section 3.3/NND No. 785021

		Item No.	
LAMPS			
Acetylene lamps between 500 and 1000 candlepower (they are necessary for work in tunnels)	ea.	147	50
Acetylene lamps between 3000 and 5000candlepower (they are necessary for work in tunnels)	ea.	148	50
Brass burners (type n.7) for oil lamps	ea.	149	5,000
Burners for portable acetylene lamps (3 gallon capacity) U.S.Standard (ø)	ea.	150	3,000
Burners for portable acetylene lamps (4 gallon capacity) U.S.Standard (ø)	ea.	151	2,000
(ø) Tapered thread connection 3/8" to 1/4"			
OIL			
Engine oil for oil boxes of steam and electric locomotives, electric railway motor cars, mechanical parts of steam and electric locomotives and workshop machinery	tons	152	1,250
Cylinder oil for steam cyls.	tons	153	100
Superheat oil for steam cyls.	tons	154	300
Transformer oil, electrical	tons	155	200
SAE 30 Motor Oil	tons	156	20
Extradense Transmission Oil for gears and motor cars	tons	157	6
Transmission soluble cutting oil-for machine tools	tons	158	6
Glycerine (or substitute Prestone) For hydrodynamic apparatus, jacks, etc.	tons	159	20
Mineral grease, for lubricating Westinghouse brakes, gears of electric locomotives and railway motor cars	tons	160	6
Liquid vaseline for lubricating tachometers commutators w/metallic brushes, for photo-electric searchlights and other delicate rigging of steamers. For the preservation of the leather of railway car bellows, etc.	tons	161	1
Paraffin Wax for the treatment w/solid paraffin of timber & other material in electric work	tons	162	1/4

0523

Declassified E.O. 12356 Section 3.3/NND No. 785021

			Item No.		
Rubber sheets with matt surface					
120" x 40" x 3/64"			lbs.	191	100
120" x 40" x 5/54"			lbs.	192	300
120" x 40" x 1/8"			lbs.	193	600
78" x 40" x 5/32"			lbs.	194	600
78" x 40" x 3/16"			lbs.	195	300
Rubber sheets w/smooth surface					
78" x 40" x 3/16"			lbs.	196	100
40" x 40" x 3/8"			lbs.	197	100
40" x 40" x 5/8"			lbs.	198	100
Rubber sheets w/canvas inserted					
120" x 40" x 1/16"			lbs.	199	400
120" x 40" x 5/54"			lbs.	200	1,000

0524

Declassified E.O. 12356 Section 3.3/NND No. 785021

		Item No.	
Rubber sheets w/canvas inserted			
120" x 40" x 3/32"	lbs.	201	450
120" x 40" x 1/8"	lbs.	202	1,700
Canvas and rubber hose 29/32" x 33/64". 33 ft. long. For pneumatic device and for compressed air and gas (oxygen excluded)	yds.	203	3,000
Canvas and rubber hose 43/64" x 9/32". 33 ft. long. For acetylene gas and oxygen	yds.	204	2,500
GLASS PANES AND GLASS MATERIALS			
Plane-convex lenses for signalling			
ballotte-shaped			
Base diameter / Base			
1-31/32" / 29/32"	ea.	205	200
2-1/8" / 15/16"	ea.	206	1,500
2-11/64" / 29/32"	ea.	207	1,500
3-35/64" / 1-7/32"	ea.	208	1,500
4-1/16" / 1-1/2"	ea.	209	1;500
5-5/8" / 2-3/32"	ea.	210	1,000
5-29/32" / 1-27/32"	ea.	211	1,000
Glass chimneys for kerosene lamps, base dia. 1-17/32" and 9-41/64" high	ea.	212	5,000
Sepia paper (basic)	tons	213	1/4
Cyenographic paper	tons	214	1/2
Heliographic paper	tons	215	1/2

Note: Paper for sensitization in Italy. Mixture: Rags (about 25% cellulose-wood pulp excluded). Glue content: Must be such as to allow absorption of sensitizing solution. Supply: In rollers 1 yard 4 inches wide, 550 yards long in one piece. They may be also accepted if they are in two pieces provided they are connected with glue so as not to offer any impediment to the passing of paper through the rollers of the sensitizing machine. Paper to be wound on wood rollers having a square opening through them to let in the machine shaft, whose square section is 2 inches. Weight: 2 ounces (sepia); 2.5 ounces (cyanographic); 3.5 ounces (heliographic).

Glossy drawing paper in rollers (6' x 22 yards)	tons	216	1/4
Small cards of forms for "Watson" machine	tons	217	2-1/2
Small cards for railway tickets (to be printed w/Goebel Mach.)	tons	218	5
Paper in rolls for Morse telegraphic machine. Standard specification.	tons	219	2 3/4

Note: For reproduction of drawings concerning I.S.E. structures and installations.

0525

Declassified E.O. 12356 Section 3.3/NND No. 785021

		Item No.	
Gummed Morse Teletype Paper Standard specification	tons	220	1/2
SUNDRY MATERIALS			
Large Padlocks 2-33/64" x 1-13/16"	ea	221	750
Small Padlocks 2-3/64" x 1-1/2"	ea	222	3,000
REQUIREMENTS FOR ACCUMULATORS FOR AUXILIARIES OF D.C. LOCOMOTIVES, FOR LIGHTING OF STEAM LOCOMOTIVES, AND GENERAL RAILWAY SERVICE.			
Batteries for telephone and telegraph (type B) 4 volts, 50 Amp hours, dimension of space occupied: height 10-15/32" 6-11/16" x 4-5/8"	ea	223	4,000
Batteries for railway Diesel cars (in ebonite box) 6 volts 112 Amp hours (type C) dimension of space occupied: height 8-1/4" Base 10-13/32" x 7-5/32"	ea	224	350
ASSORTED MALLEABLE CAST IRON CONNECTIONS FOR GAS AND WATER PIPES FOR RAILROAD.			
One end Male, Other Female	1/4"	ea	225	125
-do- -do-	3/8"	ea	226	500
-do- -do-	1/2"	ea	227	200
-do- -do-	3/4"	ea	228	200
-do- -do-	1"	ea	229	200
-do- -do-	1-1/4"	ea	230	200
-do- -do-	1-1/2"	ea	231	100
-do- -do-	2"	ea	232	80
-do- -do-	2-1/2"	ea	233	60
-do- -do-	3"	ea	234	50
-do- -do-	3-1/2"	ea	235	50
-do- -do-	4"	ea	236	50
As above, both female,	1/4"	ea	237	50
-do- -do-	3/8"	ea	238	125
-do- -do-	1/2"	ea	239	80
-do- -do-	3/4"	ea	240	60
-do- -do-	1"	ea	241	60
-do- -do-	1-1/4"	ea	242	50
-do- -do-	1-1/2"	ea	243	50
-do- -do-	2"	ea	244	50
-do- -do-	2-1/2"	ea	245	50
-do- -do-	3"	ea	246	50
-do- -do-	3-1/2"	ea	247	50
-do- -do-	4"	ea	248	50

0320

Declassified E.O. 12356 Section 3.3/NND No. 785021

	Item No.		
Curves 45°			
One end Male, Other female:			
1/4"	ea.	249	50
3/8"	ea.	250	100
1/2"	ea.	251	50
3/4"	ea.	252	50
1"	ea.	253	60
1-1/4"	ea.	254	60
1-1/2"	ea.	255	50
2"	ea.	256	50
2-1/2"	ea.	257	50
3"	ea.	258	50
3-1/2"	ea.	259	50
4"	ea.	260	50
Elbows 90°, reducing:			
3-1/2" to 3"	ea.	261	50
4" to 3-1/2"	ea.	262	50
Elbows at 90° w/one end threaded:			
1/4"	ea.	263	50
3/8"	ea.	264	50
1/2"	ea.	265	60
3/4"	ea.	266	60
1"	ea.	267	100
1-1/4"	ea.	268	100
1-1/2"	ea.	269	60
2"	ea.	270	50
2-1/2"	ea.	271	50
3"	ea.	272	50
3-1/2"	ea.	273	50
4"	ea.	274	50
Tee 90° reducers:			
3/8" to 1/4"	ea.	275	100
1/2" to 3/8"	ea.	276	125
1-1/4" to 1"	ea.	277	60
1-1/2" to 1-1/4"	ea.	278	50
2" to 1-1/2"	ea.	279	50
2-1/2" to 2"	ea.	280	50
3" to 2-1/2"	ea.	281	50
3-1/2" to 3"	ea.	282	50
4" to 3-1/2"	ea.	283	50
Tee 45°			
1/4"	ea.	284	50
3/8"	ea.	285	50
1/2"	ea.	286	50
3/4"	ea.	287	50
1"	ea.	288	50
1-1/4"	ea.	289	50
1-1/2"	ea.	290	50
2"	ea.	291	50

0527

Declassified E.O. 12356 Section 3.3/NND No. 785021

		Item No.	
Tee 45° (Cont'd)			
2-1/2"	ea.	292	50
3"	ea.	293	50
3-1/2"	ea.	294	50
4"	ea.	295	50
Curved Tee 90°			
One curve 1/4"	ea.	296	50
One curve 3/8"	ea.	297	75
One curve 1/2"	ea.	298	50
One curve 3/4"	ea.	299	50
One curve 1"	ea.	300	60
One curve 1-1/4"	ea.	301	50
One curve 1-1/2"	ea.	302	50
One curve 2"	ea.	303	50
One curve 2-1/2"	ea.	304	50
One curve 3"	ea.	305	50
One curve 3-1/2"	ea.	306	50
One curve 4"	ea.	307	50
Two curves 1/4"	ea.	308	50
Two curves 3/8"	ea.	309	50
Two curves 1/2"	ea.	310	50
Two curves 3/4"	ea.	311	50
Two curves 1"	ea.	312	60
Two curves 1-1/4"	ea.	313	50
Two curves 1-1/2"	ea.	314	50
Two curves 2"	ea.	315	50
Two curves 2-1/2"	ea.	316	50
Two curves 3"	ea.	317	50
Two curves 3-1/2"	ea.	318	50
Two curves 4"	ea.	319	50
Cross connection 90°,			
1/4"	ea.	320	50
3/8"	ea.	321	40
3-1/2"	ea.	322	50
4"	ea.	323	50
Cross connection 90° reducers:			
3/8" to 1/4"	ea.	324	50
1/2" to 3/8"	ea.	325	50
3/4" to 1/2"	ea.	326	50
1" to 3/4"	ea.	327	50
1-1/4" to 1"	ea.	328	50
1-1/2" to 1-1/4"	ea.	329	50
2" to 1-1/2"	ea.	330	50
2-1/2" to 2"	ea.	331	50
3" to 2-1/2"	ea.	332	50
3-1/2" to 3"	ea.	333	50
4" to 3-1/2"	ea.	334	50
Union - 3-1/2"	ea.	335	60

3421

0528

Declassified E.O. 12356 Section 3.3/NND No. 785021

	Item No.		
Union Reducers:			
3/8" to 1/4"	ea.	336	100
1/2" to 3/8"	ea.	337	150
3/4" to 1/2"	ea.	338	200
1" to 1/2"	ea.	339	100
1" to 3/4"	ea.	340	200
1-1/4" to 1/2"	ea.	341	100
1-1/4" to 3/4"	ea.	342	100
1-1/4" to 1"	ea.	342a	200
1-1/2" to 3/4"	ea.	343	100
1-1/2" to 1"	ea.	344	100
1-1/2" to 1-1/4"	ea.	345	150
2" to 1"	ea.	346	100
2" to 1-1/4"	ea.	347	50
2" to 1-1/2"	ea.	348	100
2-1/2" to 1-1/4"	ea.	349	50
2-1/2" to 1-1/2"	ea.	350	50
2-1/2" to 2"	ea.	351	100
3" to 1-1/2"	ea.	352	50
3" to 2"	ea.	353	50
3" to 2-1/2"	ea.	354	50
3-1/2" to 2"	ea.	355	50
3-1/2" to 2-1/2"	ea.	356	50
3-1/2" to 3"	ea.	357	50
4" to 2-1/2"	ea.	358	50
4" to 3"	ea.	359	50
4" to 3-1/2"	ea.	360	50
Couplings - 4"	ea.	361	50
Double nipples w/bolt head:			
1/4"	ea.	362	200
3/8"	ea.	363	300
1/2"	ea.	364	400
3/4"	ea.	365	500
1"	ea.	366	500
1-1/4"	ea.	367	400
1-1/2"	ea.	368	200
2"	ea.	369	200
2-1/2"	ea.	370	100
3"	ea.	371	100
3-1/2"	ea.	372	50
4"	ea.	373	50
Nipple reducers male & female:			
3/8" to 1/4"	ea.	374	200
1/2" to 3/8"	ea.	375	200
3/4" to 1/2"	ea.	376	200
1" to 1/2"	ea.	377	200
1" to 3/4"	ea.	378	200

3470

0529

Declassified E.O. 12356 Section 3.3/NND No. 785021

			Item No.	
Nipple reducers male & female - cont'd.				
1-1/4" to 1/2"	ea.		379	100
1-1/4" to 3/4"	ea.		380	100

0530

Declassified E.O. 12356 Section 3.3/NND No. 785021

Item No.			
Nipple reducers Male & Female (Cont'd)			
1-1/2" to 1/2"	ea.	381	100
1-1/4" to 1"	ea.	382	100
1-1/2" to 3/4"	ea.	383	80
1-1/2" to 1"	ea.	384	80
1-1/2" to 1-1/4"	ea.	385	80
2" to 3/4"	ea.	386	60
2" to 1"	ea.	387	60
2" to 1-1/4"	ea.	388	60
2" to 1-1/2"	ea.	389	50
2-1/2" to 1"	ea.	390	50
2-1/2" to 1-1/4"	ea.	391	50
2-1/2" to 1-1/2"	ea.	392	50
2-1/2" to 2"	ea.	393	50
3" to 1-1/2"	ea.	394	50
3" to 2"	ea.	395	50
3" to 2-1/2"	ea.	396	50
3-1/2" to 1-1/2"	ea.	397	50
3-1/2" to 2"	ea.	398	50
3-1/2" to 4-1/2"	ea.	399	50
3-1/2" to 3"	ea.	400	50
4" to 2-1/2"	ea.	401	50
4" to 3"	ea.	402	50
4" to 3-1/2"	ea.	403	50
Double nipple reducers with bolt head:			
3/8" to 1/4"	ea.	404	200
1/2" to 3/8"	ea.	405	200
3/4" to 1/2"	ea.	406	200
1" to 1/2"	ea.	407	200
1" to 3/4"	ea.	408	200
1-1/4" to 1/2"	ea.	409	100
1-1/4" to 3/4"	ea.	410	100
1-1/4" to 1"	ea.	411	100
1-1/2" to 1/2"	ea.	412	100
1-1/2" to 3/4"	ea.	413	80
1-1/2" to 1"	ea.	414	80
1-1/2" to 1-1/4"	ea.	415	80
2" to 3/4"	ea.	416	60
2" to 1"	ea.	417	60
2" to 1-1/4"	ea.	418	60
2" to 1-1/2"	ea.	419	50
2-1/2" to 1"	ea.	420	50
2-1/2" to 1-1/4"	ea.	421	50
2-1/2" to 1-1/2"	ea.	422	50
2-1/2" to 2"	ea.	423	50
3" to 1-1/2"	ea.	424	50
3" to 2"	ea.	425	50
3" to 2-1/2"	ea.	426	50

0531

Declassified E.O. 12356 Section 3.3/NND No. 785021

	Item No.		
Double nipple reducers with bolt head (cont'd)			
3-1/2" to 1-1/2"	ea.	427	50
3-1/2" to 2"	ea.	428	50
3-1/2" to 2-1/2"	ea.	429	50
3-1/2" to 3"	ea.	430	50
4" to 2-1/2"	ea.	431	50
4" to 3"	ea.	432	50
4" to 3-1/2"	ea.	433	50
Hexagonal Lock Nut:			
1/4"	ea.	434	500
3/8"	ea.	435	500
1/2"	ea.	436	300
3/4"	ea.	437	400
1"	ea.	438	400
1-1/4"	ea.	439	400
1-1/2"	ea.	440	200
2"	ea.	441	200
2-1/2"	ea.	442	100
3"	ea.	443	100
3-1/2"	ea.	444	50
4"	ea.	445	50
Plugs with Hex. Head:			
3-1/2"	ea.	446	50
Plugs with Square head:			
1/4"	ea.	447	50
3/8"	ea.	448	50
1/2"	ea.	449	50
3/4"	ea.	450	50
1"	ea.	451	50
1-1/4"	ea.	452	50
1-1/2"	ea.	453	50
2"	ea.	454	50
2-1/2"	ea.	455	50
3"	ea.	456	50
3-1/2"	ea.	457	50
4"	ea.	458	50
Plugs:			
1/4"	ea.	459	50
3/8"	ea.	460	50
1-1/4"	ea.	461	100
3-1/2"	ea.	462	100
4"	ea.	463	100

3409

LAST ITEM

CML/sv

INTER-OFFICE MEMO

File N. AC/Mat/14/13/Tn 4

SUBJECT : Future Demands for Stores.

TO : Planning Staff Tn 2 A
Attn: Mr. Charles E.Ryan.

1. Attached is copy of M.R.S. letter Tn A 2/76 dated 7 July 1945 addressed to C-4 (Mov. and Tn.) A.F.H.Q. in regard to future demands for Tn Stores, for your information.

Chief
Rail Division

Incl. Copy M.R.S. letter Tn A 2/76
dated 7 July 1945.

Transp. Sub-Commission (Rail Div.
18 July 1945
Tel: 943191-11

Declassified E.O. 12356 Section 3.3/NND No. 785021

TO : Planning Staff Tn 2 A
Attn: Mr. Charles P.Ryan.

1. Attached is copy of M.R.S. letter Tn A 2/76 dated 7 July 1945 addressed to G-4 (Mov. and Tn.) A.F.H.Q. in regard to future demands for Tn Stores, for your information.

Chief
Rail Division

Incl. Copy M.R.S. letter Tn A 2/76
dated 7 July 1945.

Transp. Sub-Commission (Rail Div.
18 July 1945
Tel: SAS191-11

3427

Declassified E.O. 12356 Section 3.3/NND No. 785021

Military Railway Service,
C.M.F.
Tel: Fleshon 2345.

Tn.s.2/76.
7 July 1945.

Subject: Future demands for TN.STORES.

To : G-4 (Mov. & Tn). A.F.H.Q.

copy to: Tn (Br) A.F.H.Q.
A.C.in Sub-Commission
A.C. Austria
D.O.S.R.S.(I)

1. A decision is required on future responsibilities for planning and ordering any Tn.stores required for civil railways in Italy and Austria (Br) Zone and port undertakings in Italy. It is important that definitions of responsibility should not be confused by the possibility of supplying such requirements from any surplus military stocks.

2. In considering this question, requirements may conveniently be classified under two heads:-

a. Major items of equipment and project stores e.g.locos, rolling stock cranes, powered plant, railway track and bridging etc.

b. Minor items of tools and equipment and general requirements of consumable stores for repair and maintenance purposes. These comprise a very large range and many items of critical importance.

3. In regard to 2a above, I need not describe here the channels both American and British through which military requirements have been ordered since all demands have now been reviewed and final requirements determined involving in many cases the reduction or cancellation of demands.

4. In regard to 2b, provision has been based on supplying the requirements of military units and certain short-term requirements of materials of critical importance for the Italian State Rlys. The British system of provision has been by quarterly demands placed on the appropriate services viz. T.(War Office) and CCD, D.S.S. and S.A.T. in the theatre. Bulk holdings of these stores have been held in Tn.Stores Depots and detail issues made as required either to military units or the ISR. In view of the reduction in the requirements of military units no bulk demands are being placed for delivery after Sep. 1945 and all demands up to this date have been or are in the course of being reviewed with the object of cancelling any quantities not required for military purposes.

Declassified E.O. 12356 Section 3.3/NND No. 785021

classified under two heads:-

a. Major items of equipment and project stores e.g.locos, rolling stock cranes, powered plant, railway track and bridging etc.

b. Minor items of tools and equipment and general requirements of consumable stores for repair and maintenance purposes. These comprise a very large range and many items of critical importance.

3. In regard to 2a above, I need not describe here the channels both American and British through which military requirements have been ordered since all demands have now been reviewed and final requirements determined involving in many cases the reduction or cancellation of demands.

4. In regard to 2b, provision has been based on supplying the requirements of military units and certain short-term requirements of materials of critical importance for the Italian State Rlys. The British system of provision has been by quarterly demands placed on the appropriate services viz. T.(War Office) and CRD, D.E.S. and S.A.T. in the theatre. Bulk holdings of these stores have been held in Tn. Stores Depots and detail issues made as required either to military units or the ISR. In view of the reduction in the requirements of military units no bulk demands are being placed for delivery after Sep. 1945 and all demands up to this date have been or are in the course of being reviewed with the object of cancelling any quantities not required for military purposes.

5. It is recommended that w.e.f. 1 Oct.1945:- 3426

a. T/AMD become responsible for supplying only project requirements of a solely military character.

b. A.C. In Sub-Commission become responsible for supplying Italian railway and port requirements of a purely civil character and also requirements for both civil and military needs which because of their character cannot be split on a quantitative end-use basis.

c. A.C. Austria become responsible for supplying similar requirements of the Austria Rlys. (Br Zone) as in b above.

6. It is unlikely that either A.C. In Sub-Commission or AC Austria will have the staff to initiate demands on the systematic lines of a military provision service nor will they have personnel to undertake custody or distribution. It is assumed therefore that their action will largely be confined to sponsoring and screening demands formulated by the civil railways and in the case of Italy by port authorities and in particular ensuring the maximum use of existing resources and local production.

R.D. [illegible], Brigadier,
Director, Military Railway Service.

Declassified E.O. 12356 Section 3.3/NND No. 785021

Declassified E.O. 12356 Section 3.3/NND No. 785021

CML/aV

INTER-OFFICE MEMO

File N. AC/Mat/14/13/Tn 4

SUBJECT : I.S.R. Six Month Requirement.

TO : Planning Staff Tn 2
Attn: Mr. Charles Ryan

1. Reference our AC/Mat/14/8/Tn 4 dated 6 July above subject.

2. D.F.K.S. advises under date of 11 July that they have now received a copy of Transportation Corps Special requisition TRANS-IV-Shp.-P.105.

3. In checking the requisition they have noticed that with the exception of all rails and accessories, tires and inner tubes for road vehicles and a few relatively unimportant sundries, all the items listed under Caption "A" are now in order.

4. This for your information.

Chief
Rail Division

Trans. Sub-Commission (Rail Div.)
14 July 1945
Tel: 648191-11

3435

0537

Declassified E.O. 12356 Section 3.3/NND No. 785021

Tel ROME 843191/5 if reply
EXT

ALLIED FORCE
MILITARY RAILWAY SERVICE ITALY
OFFICE OF THE DIRECTOR (DMRSI)

Subject: Railroad Maintenance Equipment MAC/70/11.

To: G.4.(C) through G.1. Gov & Tn., A.F.H.Q. 11 July 1945.

Copies to: Ln.(Lt) A.F.H.Q.
Lt.Col. R.T. de Lisle.
Lt. (Finance).
Lt. Subdivision A.C.

1. Further to our MAC/70/11 letter dated 4th July 1945, we have now received a copy of Transportation Corps Special requisition ETOUSA - AT - Shp - F.104.

2. It is noticed that with the exception of all rails and accessories, tyres and inner tubes for road vehicles and a few relatively unimportant sundries, all the items listed under caption A are now on order.

3424

L.R.H. Chaplin

L.R.H. Chaplin, Lt.Col.,
for Brigadier,
Director, Military Railway Service.

0538

Declassified E.O. 12356 Section 3.3/NND No. 785021

Ext: 513 HEADQUARTERS ALLIED COMMISSION FPR/id
APO 394
TRANSPORTATION SUB COMMISSION

Ref: 288/5/in.2 13 July 1945

Subject : I.S.R. Six Months Requirements.

To : Rail Division AN 4
(attn. Maj. C. M. Long)

(1) Confirming conversation Major Long - Major Richardson of even date that materials ordered on Reqn. N° ENG-IV-0 498 were a military committment of the D.M.R.S. It has been decided that materials on arrival in Italy would be handed over to the American M.R.S. for accounting and disposal to the Italian State Railways. (Para 3 of D.M.R.S. letter in.A2/75/12 of 8 July '45 and para 3 of AC/Mat/14/8/in.4 of 6 July '45 reference).

(2) Will you kindly maintain a close contact with M.R.S. American so that as and when this material arrives this office may be advised
(a) Port and date of arrival in Italy
(b) Type and tonnage of material
(c) date of acceptance by M.R.S. amnerican
(d) date, tonnage and description of material when handed over to I.S.R.
(e) any other data relative to transfer of material

(3) This information is required for recording purposes against requisitions.

F. R. Richardson Maj.

F. P. RICHARDSON, Major,
Planning Staff.

3433

Declassified E.O. 12356 Section 3.3/NND No. 785021

C'EL/eV

TRANSPORTATION SUB-COMMISSION, AC.
(RAIL DIVISION)
c/o Transportation (Ex) Main
C.M.F.

12 July 1945

Tel: 643191-11
Ref: AC/RS/14/11./Tn 4

SUBJECT : Release of Permanent Way Materials.

TO : Chief of Stores Service I.S.R. Bldg.
Attn: Ing. Bracci

1. Reference your A-36/617/182-3 dated 26 June 45 addressed to the Military Railway Service in regard to release of permanent way materials ordered by the former General Direction at Verona and now ready for delivery.

2. The Commerce Sub-Commission was requested to arrange for the release of the materials and to insure that no objection was made by the Provincial Supply Officer to your collection of the materials.

3. The Commerce Sub-Commission has replied under date of 10 July 1945 that a request has been passed to Lombardia Region that appropriate action be taken on a Regional level.

4. You will be informed promptly when releases are received.

DIRECTOR

cc: D.M.R.S. D.A.D. Tn 2 A - Attn: Capt. Ellis
your Tn 2 A/76/1 dated 30 June
and Tn 2 A/76/1 dated 3 July refers

2162

0540

Declassified E.O. 12356 Section 3.3/NND No. 785021

CML/ev

INTER-OFFICE MEMO

File N. AC/Mat/14/10/Tn 4

SUBJECT : I.S.R. Six Month Requirements.

TO : Planning Staff Tn 2
Attn: Mr. Chas Ryan

1. With further reference to our AC/Mat/14/8/Tn 4 of 6 July 1946 above subject, attached is copy of letter from M.R.S. to G-4 tracing on the status of the balance of the items requisitioned on EMG-IV-U.498.

2. This for your information.

Chief
Rail Division

Incl. Letter referred to in para 1.

Transp. Sub-Commission (Rail Div.)
11 July 1945
Tel: 843191-11

3401

9541

Declassified E.O. 12356 Section 3.3/NND No. 785021

Military Railway Service,
G.M.F.
Tel.: Flixton 9389.

Tra.A.2/75/12.

9 July 45.

Subject: Railroad Rehabilitation Equipment.

To:- G-4 (O) (through G-4 L.O.- G.Tra.).

Copy to:- Tn.(Rr.), A.F.H.Q.
(A. Rail Adv. Sec. Italy
Tra.(Finance).
Tra. Re-Organisation Sec.

1. G-5 Section A.F.H.Q. requisition AF-22P-37-45, Vols. 4,5 was returned to you under cover of our Tra.A.2/75/12, 2C Apr. 45, duly broken down as between (a) essential requirements for military traffic and to prevent disease and unrest and (b) balance of original quantities specified by A.C.

2. We have received copy of U.S. military requisition ETO-IV-C.496, 26 May 45 which covers, in part, the items listed under caption 'A', but are without information on any further action taken in respect of the balance of the items under this heading. It is noted that a number of the critical materials recommended by us for provision under caption 'A' have yet to be ordered, e.g. Boiler Tubes, Leather belting etc. May we be informed please whether or not such action to defrays supply is in hand; these items will be urgently needed for maintenance of locomotives and railway workshops. Alternatively, please say if further action is in suspense pending U.S.A. review of availabilities in Northern Italy.

3. In our Tra.A.2/75/12, 31 May 45 to A.A.Tn., Tn.(Rr.), A.F.H.Q., we enquired whether the materials ordered on Req.n. ETO-IV-C.496 could be consigned direct to A.O. depots or to the Italian State Railways. As a result of conversation Col. Simons - Brig. Reynolds it is understood that M.R.S. will be responsible for handling and accounting for any supplies received against these military requisitions. Arrangements have therefore been made accordingly.

D.R.H. Chaplin

D.R.H. CHAPLIN, Lt. Col.,
for Brigadier,
Director, Military Railway Service.

0.S.4.2.

Declassified E.O. 12356 Section 3.3/NND No. 785021

CML/sv

TRANSPORTATION SUB-COMMISSION, AC.
(RAIL DIVISION)
C:o Transportation (Br) Main
C.M.F.

U R G E N T

Tel: 843191-11
Ref: AC/Met/14/9/Tn 4

10 July 1945

SUBJECT : Copper Cables for I.S.R.

TO : Director General I.S.R. Bldg.

1. Reference your L.7/10/ 35369/$\frac{014}{2}$ dated 2 July 1945 in regard to offer received by you from the Anaconde wire and Cable Co, to supply cables and wire required for the rehabilitation of the electrified lines.

2. The commercial channels are not yet open for you to negotiate the purchase of materials from abroad. If you consider the four items as listed as extremely urgent you should incorporate them in the 1965 Requirements which are now being revised.

3. There is no doubt but that considerable wire for the rehabilitation can now be secured in the North and this fact must be taken into consideration.

DIRECTOR

21.8

Declassified E.O. 12356 Section 3.3/NND No. 785021

Rome, 2 July 1945

MINISTRY OF TRANSPORTS
I.S.R.DIRECTION GENERAL
WORKS AND CONSTRUCTION SERVICE
N°1 ENCLOSURE.

Ref.: L.7/18/35369/014 G1

TO: Colonel Lindberg
Allied Sub-Commission
3rd Floor-Room 52
R o m e

SUBJECT: Supplying of copper conductor.

1. An offer for supplying of materials as specified in enclosed letter has been sent to us by Anaconda Wire and Cable C°.

2. This we submit to your kind attention in order to establish if items could promptly arrive in Italy in consideration of their urgent need for repair of overhead-lines for electric traction and telephone lines.

3. The two types of copper cables and the grooved wire of mm.11,6 are normally used for overhead-lines on I.S.R. electrified lines, and the signal bronze wire of mm.3 diameter is used for telephone lines of the Railroad service.

4. This offer is economically very convenient and could allow us to rely on a great quantity of conductors for the reconstruction of electric traction plants and telephone lines, considered that Italian metallurgic industry is able to provide for the present only a limited quantity of above materials.

The Director General.

3128

0544

Declassified E.O. 12356 Section 3.3/NND No. 785021

6/5

MINISTERO
DELLE COMUNICAZIONI

FERROVIE DELLO STATO
DIREZIONE GENERALE

SERVIZIO LAVORI E COSTRUZIONI

ROMA 2 - LUG 1945 194 - A.

N. L.7/18/35369/014/91

Al N. 5/1 del

COLONNELLO LINDBERGH
SOTTOCOMMISSIONE ALLEATA
3° Piano Stanza n.52 - R O M A -

OGGETTO
Fornitura di conduttori di rame

ALLEGATI N. una offerta.

1) - La Ditta Anaconda Wire And Cable Company di New York ha fatto pervenire una offerta per la fornitura dei seguenti materiali:

- 10.000 km. di corda di rame sezione 120 mmq. composta di 19 fili del Ø di mm 2,8 cadauno
- 5.000 km. di corda di rame sezione 65 mmq. composta di 7 fili del Ø di mm 3,4 cadauno
- 15.000 km. di filo sagomato di rame da mm 11,8 sezione mmq. 98,6
- 2.000 km. di filo di bronzo fosforoso del Ø di mm. 3.

2) - Invio copia della suddetta offerta pregandoVi di esaminarla per stabilire se é possibile fare arrivare sollecitamente in Italia i materiali offerti che sono particolarmente necessari per le più urgenti riparazioni delle condutture di contatto della trazione elettrica e delle linee telefoniche.

3) - Infatti, i due tipi di corda di rame ed il filo sagomato da mm. 11,8 sono normalmente impiegati nelle condutture di contatto delle linee elettrificate delle Ferrovie dello Stato, ed il filo di bronzo fosforoso da mm. 3 é impiegato nelle linee telefoniche adibite al servizio ferroviario.

4) - Dal punto di vista economico l'offerta é assai conveniente e permetterebbe a questa Amministrazione di fare subito assegnamento su

G/U

0545

Declassified E.O. 12356 Section 3.3/NND No. 785021

ingenti quantitativi di conduttori che faciliterebbero moltissimo i lavori di ricostruzione degli impianti di trazione elettrica e delle linee telefoniche, dato che l'industria metallurgica italiana può fornire, per ora, solamente limitati quantitativi dei suddetti materiali.

IL DIRETTORE GENERALE

F O R M A L Q U O T A T I O N

ANACONDA WIRE AND CABLE COMPANY

25 Broadway
New York 4, N.Y.

Date May 7, 1945
Your letter 3/1/45
Reference:- Ministero delle Comunicazioni N.L.7/18/2F683/A1

.....

.....

We are quoting and propose to manufacture Items 1,2,3 and 4 in strict accordance with A.S.T.M. Specifications.

For purposes of ready reference and to make certain that there may be no misunderstanding, we give the relative values - properties as pertaining to Items 1,2,3 and 4 as follows:

ITEM 1 Quantity - approximately 32,808,000 ft.
Weight - 731.2 lbs. per M ft.
Total - 23,989,210 lbs.
Description of Conductor - 120 mm^2 = 236,922 cm = .1860 sq. in
Number of Strands in Conductor - 19
Diameter Individual Strands - .1116 in. or 2.83 mm.
Diameter of Cable - . 558 in.
Price - 18.40 ¢ per lb. F.O.B. Hastings-on-Hudson, N.Y. with freight allowed to steamer dock New York City.

ITEM 2 Quantity - approximately 16,404,000 ft.
Weight - 396 lbs. per M ft.
Total - 6,495,984 lbs.
Description of Conductor - 65 mm^2 - 128,279 cm. = 0.10075 sq. in.
Number of Strands in Conductor - 7
Diameter of Individual Strands - 0.1354 in.
Diameter of Cable - .4062 in.
Price - 18.25 ¢ per lb. F.O.B. Hastings-on-Hudson, N.Y. with

Declassified E.O. 12356 Section 3.3/NND No. 785021

.....

.....

We are quoting and propose to manufacture Items 1,2,3 and 4 in strict accordance with A.S.T.M. Specifications.

For purposes of ready reference and to make certain that there may be no misunderstanding, we give the relative values - properties as pertaining to Items 1,2,3 and 4 as follows:

ITEM 1 Quantity - approximately 32,808,000 ft.
Weight - 731.2 lbs. per M ft.
Total - 23,989,210 lbs.
Description of Conductor - 120 mm² = 236,822 cm = .1860 sq. in
Number of Strands in Conductor - 19
Diameter Individual Strands - .1116 in. or 2.83 mm.
Diameter of Cable - . 558 in.
Price - 18.40 ¢ per lb. F.O.B. Hastings-on-Hudson, N.Y. with freight allowed to steamer dock New York City.

ITEM 2 Quantity - approximately 16,404,000 ft.
Weight - 396 lbs. per M ft.
Total - 6,495,984 lbs.
Description of Conductor - 65 mm² - 128,279 cm. = 0.10075 sq. in.
Number of Strands in Conductor - 7
Diameter of Individual Strands - 0.1354 in.
Diameter of Cable - .4062 in.
Price - 18.25 ¢ per lb. F.O.B. Hastings-on-Hudson, N.Y. with freight Allowed to steamer dock New York City.

ITEM 3 Hard Drawn Grooved Copper Trolley Wire
Quantity - approximately 49,212,000 ft.
Weight - 590.2 lbs. per M ft.
Total - 29,044,922 lbs.
Description of Conductor - Customer's drawing E-4562A.B. - 194,984 cm = .15314 sq. in.
Price - 17.85 ¢ per lb. F.O.B. Hastings-on-Hudson, New York with freight allowed to steamer dock New York City.

./.

Declassified E.O. 12356 Section 3.3/NND No. 785021

ITEM 4 #9 American Wire Gauge, solid, signal bronze
Quantity - approximately 6,361,600 ft.
Weight - 42.22 lbs. per M ft.
Total - 268,587 lbs.
Description of Conductor - Nominal Breaking strength of wire 1,018 lbs.
Diameter of Wire - .1181 in. = 3 mm
Price - 22.25 ¢ per lb. F.O.B. Hastings-on-Hudson, N.Y. with freight allowed to steamer dock New York City.

We would plan to ship items 1,2 and 3 on standard reels. These reels are non-returnable and are included in prices noted above. Item 4 would be shipped in coils packed suitable for export shipment.

Obviously we can not quote, as requested by you, "prices of material packed and F.O.B. an Italian port". Present military and shipping problems preclude any possibility of our doing so.

TERMS OF PAYMENT: Irrevocable letter of credit to be established in New York Bank and payment in New York Funds is to be made upon presentation of invoices and certificate of manufacture. Title of material shall pass to the buyer upon payment to the seller as above provided.

SHIPMENT: Acceptance of any order, production or shipment to be contingent upon United States Government restrictions or regulations that may be in effect or imposed on us at the time of placement of order or any period during production of same. We assume that yourself and the officials of Italian State Railways are entirely familiar with regulations in effect or that might be placed in effect as regards import and export licenses that may be required. Further, that in the event of placement of an order with us, yourself and associates will make proper arrangements for the necessary licenses.

CAUTION: The prices quoted herein are those in effect as of this date but do not include factors to compensate for shipments over an extended period of time and are, of course, subject to revision at the time you are in a position to place your contract.

We believe the foregoing covers all questions raised by you with us in your letter of March 1, however, if additional technical or commercial information is required, we shall, of course, be glad

Declassified E.O. 12356 Section 3.3/NND No. 785021

Obviously we can not quote, [illegible] material packed and F.O.B. an Italian port". Present military and shipping problems preclude any possibility of our doing so.

TERMS OF PAYMENT: Irrevocable letter of credit to be established in New York Bank and payment in New York Funds is to be made upon presentation of invoices and certificate of manufacture. Title of material shall pass to the buyer upon payment to the seller as above provided.

SHIPMENT: Acceptance of any order, production or shipment to be contingent upon United States Government restrictions or regulations that may be in effect or imposed on us at the time of placement of order or any period during production of same. We assume that yourself and the officials of Italian State Railways are entirely familiar with regulations in effect or that might be placed in effect as regards import and expert licenses that may be required. Further, that in the event of placement of an order with us, yourself and associates will make proper arrangements for the necessary licenses.

CAUTION: The prices quoted herein are those in effect as of this date but do not include factors to compensate for shipments over an extended period of time and are, of course, subject to revision at the time you are in a position to place your contract.

We believe the foregoing covers all questions raised by you with us in your letter of March 3, however, if additional technical or commercial information is required, we shall, of course, be glad to hear form you.

3425

Declassified E.O. 12356 Section 3.3/NND No. 785021

0550

Declassified E.O. 12356 Section 3.3/NND No. 785021

Subject: Railroad Maintenance Equipt.

To : G-4 (O) (through G-4 Mov & Tn).

Military Railway Service,
G.H.Q.
Tel. Firebox 9389.
Tn.A.2/76/12
8 July 45.

Copy to: Tn (Br) A.F.H.Q.
Lt.Col. F.de Lisle
Tn (Firenze)
Tn Sub-Commission A.C.

1. G-5 Section A.F.H.Q. requisition AC-ENG-87-45, Feb.45 was returned to you under cover of our Tn.A.2/76/12, 20 Apr.45, duly broken down as between (a) essential requirements for military traffic and to prevent disease and unrest and (b) balance of original quantities specified by A.C.

2. We have received copy of U.S. military requisition ENG-IV-U 498, 16 May 45 which covers, in part, the items listed under option 'A', but are without information on any further action taken in respect of the balance of the items under this heading. It is noted that a number of the critical materials recommended by use for provision under option 'A' have yet to be ordered, e.g. Boiler Tubes, Leather Belting etc. May we be informed please whether or not such action to arrange supply is in hand; these items will be urgently needed for maintenance of locomotives and railway workshops. Alternatively, please say if further action is in suspense pending I.S.R. review of availabilities in Northern Italy.

3. In our Tn.A.2/76/12, 31 May 45 to D.D.Tn., Tn.(Br), A.F.H.Q., we enquired whether the materials ordered on Reqn.ENG-IV-U-498 could be consigned direct to A.C. depots or to the Italian State Railways. As a result of conversation Col.Simons - Maj.Reynolds it is understood that M.R.S. will be responsible for handling and accounting for any supplies received against these military requisitions. Arrangements have therefore been made accordingly.

D.E.H.CHAPLIN, Lt.Col.
for Brigadier
Director Military Railway Service.

3124

Wright Loose file

Military Railway Ser.
G...F.
Tel: Firebox 8345.

Tn.A.2/76.
7 July 1945.

Subject: Future demands for TM.STORES.

To : G-4 (Mov. & Tn). A.F.H.Q.

copy to: G (Br) A.F.H.Q.
A.C.Tn Sub-Commission
A.C. Austria
D.G.O.S.(I)

1. A decision is required on future responsibilities for planning and ordering any Tn.stores required for civil railways in Italy and Austria (Br) Zone and port undertakings in Italy. It is important that definitions of responsibility should not be confused by the possibility of supplying such requirements from any surplus military stocks.

2. In considering this question, requirements may conveniently be classified under two heads:-

a. Major items of equipment and project stores e.g.locos, rolling stock cranes, powered plant, railway track and bridging etc.

b. Minor items of tools and equipment and general requirements of consumable stores for repair and maintenances purposes. These comprise a very large range and many items of critical importance.

3. In regard to 2a above, I need not describe here the channels both American and British through which military requirements have been ordered since all demands have now been reviewed and final requirements determined involving in many cases the reduction or cancellation of demands.

4. In regard to 2b, provision has been based on supplying the requirements of military units and certain short-term requirements of materials of critical importance for the Italian State Rlys. The British system of provision has been by quarterly demands placed on the appropriate services viz. WD.(War Office) and CCD, D.E.S. and S.A.C. in the theatre. Bulk holdings of these stores have been held in Tn.Stores Depots and detail issues made as required either to military units or the ISR. In view of the reduction in the requirements of military units no bulk demands are being placed for delivery after Sep. 1945 and all demands up to this date have been or are in the course of being reviewed

Declassified E.O. 12356 Section 3.3/NND No. 785021

2. In considering this question, requirements may conveniently be classified under two heads:-

a. Major items of equipment and project stores e.g.locos, rolling stock cranes, powered plant, railway track and bridging etc.

b. Minor items of tools and equipment and general requirements of consumable stores for repair and maintenance purposes. These comprise a very large range and many items of critical importance.

3. In regard to 2a above, I need not describe here the channels both American and British through which military requirements have been ordered since all demands have now been reviewed and final requirements determined involving in many cases the reduction or cancellation of demands.

4. In regard to 2b, provision has been based on supplying the requirements of military units and certain short-term requirements of materials of critical importance for the Italian State Rlys. The British system of provision has been by quarterly demands placed on the appropriate services viz. MW.(War Office) and CMD, D.E.S. and S.A.F. in the theatre. Bulk holdings of these stores have been held in Th.Stores Depots and detail issues made as required either to military units or the ISR. In view of the reduction in the requirements of military units no bulk demands are being placed for delivery after Sep. 1945 and all demands up to this date have been or are in the course of being reviewed with the object of cancelling any quantities not required for military purposes.

5. It is recommended that w.e.f. 1 Oct.1945:-

a. TE/MAG becomes responsible for supplying only project requirements of a solely military character.

b. A.C. In Sub-Commission becomes responsible for supplying Italian railway and port requirements of a purely civil character and also requirements for both civil and military needs which because of their character cannot be split on a quantitative end-use basis.

3422

c. A.C. Austria becomes responsible for supplying similar requirements of the Austria Rlys. (Br Zone) as in b above.

6. It is unlikely that either A.C. In Sub-Commission or AC Austria will have the staff to initiate demands on the systematic lines of a military provision service nor will they have personnel to undertake custody or distribution. It is assumed therefore that their action will largely be confined to sponsoring and screening demands formulated by the civil railways and in the case of Italy by port authorities and in particular ensuring the maximum use of existing resources and local production.

R.D.VAUGHAN, Brigadier,
Director, Military Railway Service.

Declassified E.O. 12356 Section 3.3/NND No. 785021

Tel. ROME 843191/5 (Firebox)
EXT 9368.

ALLIED FORCE
MILITARY RAILWAY SERVICE ITALY
OFFICE OF THE DIRECTOR (DMRSI)

Subject: Italian State Railways - Six Months Requirements.

File: Rn.A.2/76/12.

5 July 1945.

To: 328 T.S.D.
331 T.S.D.

Copy to: Rn. Sub-Commission A.C. (Rail Division).
Ing. C. Bracci, Stores Department, MR. I.S.R.
Lt. Col. de Lisle.

One enclosure only.

1. Attached, in duplicate, is a copy of Requisition MRS IV-U498 covering I.S.R. partial requirements for a period of six months and which are expected to arrive into this theatre from U.S.A. during period 1 - 15 July. The tonnage involved is 391 tons, markings are understood to be AFCM - ENG -IV - MRS - SHP - U.498 and the materials are expected to arrive either in Naples or Leghorn.

2. Special attention should be given by the Port Detachment to ensure that all the cases are located. If the stores are received at Naples they should be consigned to 328 T.S.D. where the items should be carefully checked against this indent and then repacked. A special return of initial receipts quoting the Registration Number, U.498 and the reference of this letter should be rendered to this Headquarters. Should the materials be received at Leghorn, similar action should be taken by 331 T.S.D.

3. It should be noted that these materials have been ordered through American channels for the exclusive use of the Italian State Railways. They should not therefore be issued to any U.S.A. units

Declassified E.O. 12356 Section 3.3/NND No. 785021

Copy to: Hq. Sub-Commission A.C.
(Rail Division).

Ing. G. Bracci,
Stores Department,
HQ. I.S.R.

Lt. Col. de Lisle.

) One enclosure only.

1. Attached, in duplicate, is a copy of Requisition ENG IV-U498 covering I.S.R. partial requirements for a period of six months and which are expected to arrive into this theatre from U.S.A. during period 1 - 15 July. The tonnage involved is 391 tons, markings are understood to be AMOM - ENG -IV - NRS - SHP - U.498 and the materials are expected to arrive either in Naples or Leghorn.

2. Special attention should be given by the Port Detachment to ensure that all the cases are located. If the stores are received at Naples they should be consigned to 338 T.S.D. where the items should be carefully checked against this indent and then repacked. A special return of initial receipts quoting the Registration Number, U.498 and the reference of this letter should be rendered to this Headquarters. Should the materials be received at Leghorn, similar action should be taken by 351 T.S.D.

3. It should be noted that these materials have been ordered through American channels for the exclusive use of the Italian State Railways. They should not therefore be issued to any M.R.S. units either British or American, neither should they be handed over to the I.S.R. until you are so instructed.

4. Please give special attention to the foregoing and keep this HQ informed as to any developments that may arise.

3422

G.J. MINNS, Capt., (En),
for Brigadier,
Director Military Railway Service.

Enc.

Declassified E.O. 12356 Section 3.3/NND No. 785021

Declassified E.O. 12356 Section 3.3/NND No. 785021

1. 40-4135	Drills, drill, w/parallel shank, dia. in. 3/64 to 1/8	ea.	3,000	3,000
2. 40-4135	5/32 to 5/16	ea.	5,500	5,500
3. 40-4135	23/64 to 13/32	ea.	3,200	3,200
4. 17-6760 06-6	Lamp, incandescent, end prong base, 40w, 120v	ea.	2,760	2,760
5. 17-6760 06-5	60w, 120v	ea.	3,000	3,000
6. 17-6760 1-6	100w, 120v	ea.	960	960
7. 17-6760 15-6	150w, 120v	ea.	1,440	1,440
8. 17-6760 3-6	300w, 120v	ea.	1,380	1,380
9. 17-	100w, 160v	ea.	240	240
10. 17-	500w, 160v	ea.	840	840
11. 17-	300w, 220v	ea.	240	240
12. 17-6760 1-8	100w, 220v	ea.	600	600
13. 17-6760 04-8	40w, 220v	ea.	600	600
14. 17-6760 06-8	60w, 220v	ea.	480	480
15. 17-6760 1-8	100w, 220v	ea.	360	360
16. 17-6760 2-8	200w, 220v	ea.	420	420
17. 17-	25w, 24v	ea.	1,560	1,560

Declassified E.O. 12356 Section 3.3/NND No. 785021

18.	17-0805 5-9	[illegible] LAMP HOLDERS, external	ea.	2,000	2,000
19.	17-2453 2-5	Internal	ea.	500	500
20.	33-	[illegible] & HEMP HOSE, containing galvanized spiral steel wire, 2-3/8" x 12-3/32" 13' long for hot washings of boilers.	yds	300	300
21.	33-	[illegible] & HEMP HOSE, 1-3/64" x 7/8" for protecting fuel oil-ing parts of electric motor cables	yds	350	350
22.	33-	HEMP HOSE, reinforced with canvas 5/16" x 19/32" for transmitting air for breaking system	yds	500	500
23.	33-	HEMP HOSE, w/four layers of canvas inserted into them for compressed air conduit to centrifugal bowls, 1" x 1-3/4"	yds	500	500
24.	33-	" 1-7/16" x 1-3/4"	yds	1,500	1,500
25.	27-9056. 5-1	[illegible], cott., white, FS Spec. R-106, 100 lb	lb.	130,000	130,000
26.	41-1607 12-14	[illegible], hook, hand, dia 1-1656 Type D, flex. 12", 14 teeth	ea.	4,000	4,000
27.	41-3257 3-08	PIPE, American std. single ext, SS 17-72, bent, 8"	ea.	1,000	1,000
28.	41-3257 3-12	Bent, 12"	ea.	1,000	1,000
29.	41-3257 7-08	Smooth 8"	ea.	500	500
30.	41-3257 7-12	Smooth 12"	ea.	500	500

0557

Declassified E.O. 12356 Section 3.3/NND No. 785021

31. 41-3267 3-08	PIPE American std. single melt round, bustard 8"	ea.	800	800	
32. 41-3267 3-12	12"	ea.	1,000	1,000	
33. 41-3267 7-1	Smooth 10"	ea.	800	800	
34. 41-3342. 3-12	PIPE, American std. square GS 17-79, Bustard 12"	ea.	750	750	
35. 41-3342 7-1	Smooth 10"	ea.	500	500	✓
36. 41-3718 17-1	VALVE, screw, monkey, knife handle, GS 17-68, 1¼" open. 10"	ea.	250	250	
37. 41-3718 26-15	12" open 15"	ea.	250	250	
38. 42-3625 5-03	VALVE, slu, cruise 30 psig-4,84 sheet, 9 x 11", Grade 000	ea.	3,500	3,500	
39. 42-3625 5-04	00	ea.	4,000	4,000	
40. 42-3625 5-05	0	ea.	5,000	5,000	
41. 42-3625 5-1	1	ea.	2,500	2,500	
42. 42-3625 5-2	2	ea.	4,500	4,500	
43. 42-3625 5-3	3	ea.	7,000	7,000	
44. 42-5752 3-02	LOCK, pad, MS 17-2-101, Lever, tumbler, type VI, bronze, steel shackle 2"	ea.	3,750	3,750	

Declassified E.O. 12356 Section 3.3/NND No. 785021

45. 45-2736 7-001	COUPLING, pipe, iron, malleable, 150-lb. steel, Stan., Thrd., Fl., 45-4-521 Galv. Class B	1/8"	ea.	250	250
46. 45-2736 7-003		1/4"	ea.	300	300
47. 45-2736 7-005		3/8"	ea.	500	500
48. 45-2736 7-007		1/2"	ea.	1,000	1,000
49. 45-2736 7-01		1"	ea.	1,500	1,500
50. 45-2736		1-1/4"	ea.	1,000	1,000
51. 45-2736 7-015		1-1/2"	ea.	500	500
52. 45-2736 7-02		2"	ea.	300	300
53. 45-2736 7-025		2-1/2"	ea.	250	250
54. 45-2736 7-03		3"	ea.	200	200
55. 45-2736 7-06		4"	ea.	50	50
56. 45-2932 5-005	CROSS, pipe, iron cast, 125-lb. threaded, Fl. 45-4-501 Type A, size, Steel, Black Class A.	1/2"	ea.	200	200
57. 45-2932 5007		3/4"	ea.	300	300
58. 45-2932 5-013		1-1/4"	ea.	300	300

Declassified E.O. 12356 Section 3.3/NND No. 785021

59.	45-2932 5-013	Union, pipe, iron cast 125-lb pressure, ASTM-A-504, type A, size, thrd, black, class 1	1-1/2"	ea.	200	200
60.	45-2932 5-02		2"	ea.	150	150
61.	45-2932 5-025		2-1/2"	ea.	100	100
62.	45-2932 5-03		3"	ea.	100	100
63.	45-3716 930-001	Elbow, pipe, iron, cast 150-lb pres. ASTM-A-524, size, thrd 90 deg, black, class A	1/4"	ea.	300	300
64.	45-3716 930-004		3/8"	ea.	300	300
65.	45-3716 930-005		1/2"	ea.	500	500
66.	45-3716 930-007		3/4"	ea.	750	750
67.	45-3716 930-01		1"	ea.	1,000	1,000
68.	45-3716 930-013		1-1/4"	ea.	750	750
69.	45-3716 930-015		1-1/2"	ea.	500	500
70.	45-3716 930-02		2"	ea.	300	300
71.	45-3716 930-025		2-1/2"	ea.	200	200
72.	45-3716 930-03		3"	ea.	100	100
73.	45-3716 930-035		3-1/2"	ea.	100	100
74.	45-3716 930-04		4"	ea.	100	100

Declassified E.O. 12356 Section 3.3/NND No. 785021

75.	45-3744 004-033	WASHER, pipe, iron malleable, 150-lb pres. FS 45-34-324, steel, zinc plated, size. 90° Black, Class A	3/8" x 1/4"	ea.	100	100
76.	45-3744 005-004		1/2" x 3/8"	ea.	100	100
77.	45-3744 007-005		3/4" x 1/2"	ea.	200	200
78.	45-3744 01-007		1" x 3/4"	ea.	300	300
79.	45-3744 013-01		1-1/4" x 1"	ea.	300	300
80	45-3744 015-013		1-1/2" x 1-1/4"	ea.	200	200
81.	45-3744 02-015		2" x 1-1/2"	ea.	100	100
82.	45-3744 025-02		2-1/2" x 2"	ea.	100	100
83.	45-3744		3" x 2-1/2"	ea.	100	100
84.	45-4446 5-005	WASHER, weld, iron, malleable, floor, or, black:	1/2"	ea.	50	50
85.	45-4446 5-007		3/4"	ea.	50	50
86.	45-4446 5-01		1"	ea.	500	500
87.	45-4446 5-015		1-1/2"	ea.	500	500
88.	45-4446 5-02		2"	ea.	750	750
89.	45-4446 5-025		2-1/2"	ea.	750	750

0561

Declassified E.O. 12356 Section 3.3/NND No. 785021

90.	45-4416 5-03	PLUG, mdl. iron, malleable, floor, sq. head, 3"	ea.		500	500
91.	45-6040 5-003	PLUG, pipe, iron body, 125-lb pres. [illegible] hdd. sq. head, black, class A, 1/8"	ea.		100	100
92.	45-6040 5-004		1/4"	ea.	100	100
93.	45-6040 5-005		3/8"	ea.	100	100
94.	45-6040 5-007		1/2"	ea.	150	150
95.	45-6040 5-01		3/4"	ea.	150	150
96.	45-6040 5-015		1	ea.	150	150
97.	45-6040 5-015		1-1/4"	ea.	100	100
98.	45-6040 5-02		1-1/2"	ea.	100	100
99.	45-6040 5-025		2"	ea.	50	50
00.	45-6040 5-03		2-1/2"	ea.	50	50
01.	45-6040 5-04		3"	ea.	50	50
02.	45-7607 005-005	TEE, pipe, iron, mall. 150-lb. pres. [illegible] reduc. class A, black, class A, 3/4" x 3/4" x 3/4"	ea.		300	300
03.	45-7610 007-007		1" x 3/4" x 3/4"	ea.	350	350

Declassified E.O. 12356 Section 3.3/NND No. 785021

104. 45-7725 5-003	2in. galv. iron npl. 150-lb. rsvr. [illegible] nipple, fixed bind. Class A	1/2"	ea.	200	200
105. 45-7725 5-004		3/4"	ea.	300	300
106. 45-7725		1"	ea.	300	300
107. 45-7725 5-007		1-1/4"	ea.	500	500
108. 45-7725 5-01		1"	ea.	500	500
109. 45-7725 5-013		1-1/4"	ea.	500	500
110. 25-7725 5-015		1-1/2"	ea.	200	200
111. 45-7725 5-02		2"	ea.	200	200
112. 45-7725 5-025		2-1/2"	ea.	150	150
113. 45-7725 5-03		3"	ea.	150	150
114. 45-7725 5-035		3-1/2"	ea.	100	100
115. 45-7725 5-04		4"	ea.	100	100
116. 45-8420 5-003	[illegible] galv. iron, rnl. 250-lb. [illegible] bind. gas, joint, [illegible] female, black	1/8"	ea.	500	500
117. 45-8420 5-004		1/4"	ea.	750	750
118. 45-8420 5-005		1/2"	ea.	1,000	3 1 1/2 800
119. 45-8420 5-007		3/4"	ea.	1,250	1,250

0584

Declassified E.O. 12356 Section 3.3/NND No. 785021

120.	45-8420 5-01	Union, pipe, iron, mil. 250-lb screw, black, 180, 300-lb screw, 300, round head, black	1"	ea.	1,500	1,500
121.	45-8420 5-013		1-1/4"	ea.	1,500	1,500
122.	45-8420 5-015		1-1/2"	ea.	1,000	1,000
123.	45-8420 5-02		2"	ea.	750	750
124.	45-8420 5-025		2-1/2"	ea.	500	500
125.	45-8420 5-03		3"	ea.	400	400
126.	45-8420 5-04		4"	ea.	200	200
127.	46-2008 2-1	MISCELLANEOUS METALS: Pig iron, 104 ingots, crude 2, 10-30 ingots		lb	200,000	200,000
~~128.~~	~~46-2234 4-03~~	~~Wrought iron, pipe, 2" to 3-1/2" inc., welded, extra heavy, 1/2" thick~~		~~ft.~~	CANCELLED.	~~1,500~~ ~~1,500~~
129.	51-5116 1-01	Gas, acetylene, 10 cu. ft. industrial 80		ea.	100	100
130.	51-5116 6-2	Gas, oxygen, 02, 12 cu. ft.		ea.	300	300

0564

Declassified E.O. 12356 Section 3.3/NND No. 785021

Military Railway Service,
C.M.F.
Tel: Firebox 9389.

Tn. A.2/76/12.
8 July 1945

SUBJECT : Railroad Maintenance Equipt.

TO : G-4 (O) (through G-4 M.V. & Tn).

Copy to : Tn (Br), A.F.H.Q.
Lt. Col. E.F. de Lisle
Tn (Finance)
Tn. Sub-Commission A.C.

1. G-5 Section A.F.H.Q. requisition AC-ENG-87-45, Feb.45 was returned to you under cover of our Tn.A.2/76/12, 20 Apr.45, duly broken down as between (a) essential requirements for military traffic and to prevent disease and unrest and (b) balance of original quantities specified by A.C.

2. We have received copy of U.S. military requisition ENG-IV-U.498, 16 May 45 which covers, in part, the items listed under caption "A", but are without information on any further action taken in respect of the balance of the items under this heading. It is noted that a number of the critical materials recommended by us for provision under caption "A" have yet to be ordered, o.g. Boiler Tubes, Leather Belting etc. May we be informed please whether or not such action to arrange supply is in hand; these items will be urgently needed for maintenance of locomotives and railway workshops. Alternatively, please say if further action is in suspense pending I.S.R. review of availabilities in Northern Italy.

3. In our Tn.A.2/76/12, 31 May 45 to D.D.Tn. Tn. (Br.) A.F.H.Q., we enquired whether the materials ordered on Reqn. ENG-IV-U.498 could be consigned direct to A.C. depots ot to the Italian State Railways. As a result of conversation Col. Simons - Maj. Reynolds it is understood that M.R.S. will be responsible for handling and accounting for any supplies received against these military requisitions. Arrangements have therefore been made accordingly.

3 b 12

D.R.H.CHAPLIN, Lt.Col.
for Brigadier,
Director, Military Railway Service

CML/ev

INTER-OFFICE MEMO

File N. AC/Mat/14/8/Tr 4

SUBJECT : I.S.R. Six Month Requirements.

TO : Planning Staff Tr 2

1. Attached in duplicate, is a copy of Requisition ENG IV-U498 covering I.S.R., partial requirements for a period of six months which M.R.S. advise are expected to arrive into this theatre from U.S.A. during period 1-15 July. The tonnage involved is 391 tons, marking are understood to be ALCM-IV-MRS-SHP-U,498 and the materials are expected to arrive either in Naples or Leghorn.

2. D.M.R.S. has issued instruction to their T.S.D.'s that special attention should be given by the Port Detachment to insure that all the cases are located. If the stores are received at Naples they should be consigned to 328 T.S.D. (Naples). Where the items should be carefully checked against this indent and then repacked. Should the materials be received at Leghorn similar action should be taken by 331 T.S.D.".

3. They instruct further that "it should be noted that these materials have been ordered through American channels for the exclusive use of the Italian State Railways. They should not therefore be issued to any M.R.S. units, either British or American, neither should they be handed over to the I.S.R., until you are so instructed."

4. Will keep you informed of any further developments.

Declassified E.O. 12356 Section 3.3/NND No. 783021

U.S.A. during period 1-15 July. The consignee involved is [illegible] marking are understood to be ALOM-IV-MRS-SHP-U,498 and the materials are expected to arrive either in Naples or Leghorn.

2. D.M.R.S. has issued instruction to their T.S.D.'s that special attention should be given by the Port Detachment to insure that all the cases are located. If the stores are received at Naples they should be consigned to 328 T.S.D. (Naples). Where the items should be carefully checked against this indent and then repacked. Should the materials be received at Leghorn similar action should be taken by 331 T.S.D.".

3. They instruct further that "it should be noted that these materials have been ordered through American channels for the exclusive use of the Italian State Railways. They should not therefore be issued to any M.R.S. units, either British or American, neither should they be handed over to the I.S.R., until you are so instructed."

4. Will keep you informed of any further developments.

Chief
Rail Division

Incl. Reqn. mentioned in para 1 in dupl.

331

Transp. Sub-Commission(Rail Div.)
6 July 1945
Tel: 843191-11

Declassified E.O. 12356 Section 3.3/NND No. 785021

0567

Declassified E.O. 12356 Section 3.3/NND No. 785021

EDG IV-0496

1.	40-4130	TWIST, drills, w/parallel shank, dia. in 3/64 to 1/8	ea.	3,000	3,000
2.	40-4135	5/32 to 5/16	"	5,500	5,500
3.	40-4140	21/64 to 19/32	"	3,200	3,200
4.	17-6760 04-6	LAMP, incandescent, med.scr. base, 40 w, 120 v	"	2,760	2,760
5.	17-6760 05-6	60 w, 120 v	"	3,000	3,000
6.	17-6760 1-6	100 w, 120 v	"	960	960
7.	17-6760 1E-6	150 w, 120 v	"	1,440	1,440
8.	17-6760 3-6	300 w, 120 v	"	1,920	1,920
9.	17-	100 w, 160 v	"	240	240
10.	17-	500 w, 160 v	"	840	840
11.	17-	300 w, 220 v	"	240	240
12.	17-6760 1-8	100 w, 220 v	"	600	600
13.	17-6760 04-8	40 w, 220 v	"	600	600
14.	17-6760 06-8	60 w, 220 v	"	480	480
15.	17-6760 1-8	100 w, 220 v	"	360	360
16.	17-6760 2-8	200 w, 220 v	"	420	420
17.	17-	20 w, 24 v	"	1,560	1,560
18.	17-6500 5-2	EDISON LAMP HOLDERS, external	"	2,000	2,000
19.	17-6653 5-5	internal	"	500	500
20.	33-	CANVAS & RUBBER HOSE, enclosing galvanized spiral steel wire, 3-5/8" x 13-5/32" 15' long for hot washings of boilers. yds		300	300

3410

0568

Declassified E.O. 12356 Section 3.3/NND No. 785021

21.	38--	CANVAS & RUBBER HOSE, 1-9/64" x 7/8" for protecting fastening parts of electric motor cables	yds	350	350
22.	39--	RUBBER HOSE, reinforced with canvas 5/16" x 13/32" for transmitting air for braking system	"	500	500
23.	32--	RUBBER TUBES, w/four layers of canvas inserted into them for compressed air conduit to Westinghouse brake, 1" x 1 3/8"	"	500	500
24.	33--	" 1-7/64" x 1-3/4"	"	1,500	1,500
25.	37-9056 S-1	PAINT, oil, white ES DUB-M-106, 100-lb	lb.	120,000	120,000
26.	41-1607 12-14	BLADE, hack, hand, FS 7-1656 Type D, flex, 12", 14 teeth	ea.	4,800	4,800
27.	41-3257 5-08	FILE, American Std. single flat, QM 17-79, Bast. 8"	"	1,000	1,000
28.	41-3257 5-12	Bast. 12"	"	1,000	1,000
29.	41-3257 7-08	Smooth 8"	"	500	500
30.	41-3257 7-12	Smooth 12"	"	500	500
31.	41-3257 5-08	FILE American std. single half round, bastard 8"	"	800	800
32.	41-3257 5-12	12"	"	1,000	1,000
33.	41-3257 7-1	Smooth 10"	"	800	800
34.	41-3342 5-14	FILE, American std. square QM 17-79, Bastard 14"	"	750	750
35.	41-3542 7-1	Smooth 10"	"	500	500

0569

Declassified E.O. 12356 Section 3.3/NND No. 785021

36.	41-0713 17-1	WRENCH, screw, monkey, knife handle, S 27-68, 1 3/4 open 10"	ea.	250	250
37.	41-0713 26-35	15" 2 3/4 open	"	250	250
38.	42-3825 6-03	CLOTH, alu. oxide MS P-C-451 sheet, 9 x 11", Grade 000	sh.	3,500	3,500
39.	42-3825 6-04	00	sh.	4,000	4,000
40.	42-3825 6-06	0	"	5,000	5,000
41.	42-3825 6-1	1	"	2,500	2,500
42.	42-3825 6-2	2	"	4,500	4,500
43.	42-3825 6-3	3	"	7,000	7,000
44.	42-3752 3-02	LOCK, pad, FS FF-P-101, lever tumbler, type VI, Brass, steel shackle 2"	ea.	3,750	3,750
45.	45-2756 7-001	COUPLING, Pipe, iron, malleable, 150-lb psig, Stm. Tmd, FS P-521 galv, class B 1/8"	"	250	250
46.	45-2756 7-003	1/4"	"	300	300
47.	45-1736 7-004	3/8"	"	500	500
48.	45-2736 7-007	3/4"	"	1,000	1,000
49.	45-2736 7-01	1"	"	1,500	1,500
50.	45-2736	1-1/4"	"	1,000	1,000
51.	45-2736 7-013	1-1/2"	"	500	500
52.	45-2736 7-02	2"	"	800	800

0570

Declassified E.O. 12356 Section 3.3/NND No. 785021

55.	45-2736 7-025	COUPLING, pipe, iron malleable, 150-lb press. Stra. Thrd. FG. WW-P-521 Galv. Class A 2-1/2"		ea.	250	250
56.	45-2736 7-03		3"	"	300	300
57.	45-2736 7-05		4"	"	50	50
58.	45-2932 5-005	UNION, pipe, iron cast, 125-lb pressure, FS WW-P-521 Type 5, stra.thrd, black Class 1.	1/2"	"	200	200
59.	45-2932 5007		3/4"	"	300	300
60.	45-2932 5-010		1-1/4"	"	300	300
61.	45-2932 5-013		1-1/2"	"	200	200
62.	45-2932 5-02		2"	"	150	150
63.	45-2932 5-025		2-1/2"	"	100	100
64.	45-2932 5-03		3"	"	100	100
65.	45-2716 930-001	ELBOW, pipe, iron, mall.150-lb press. FS WW-P-521, stra.thrd 90 deg.black, Class A	1/2"	ea.	200	200
66.	45-2716 930-004		3/8"	"	300	300
67.	45-2716 930-005		1/2"	"	500	500
68.	45-2716 930-007		3/4"	"	750	750
69.	45-2716 930-01		1"	"	1,000	1,000
70.	45-2716 930-013		1-1/4"	"	750	3708

Declassified E.O. 12356 Section 3.3/NND No. 785021

69.	45-3716 930-015	ELBOW, pipe, iron, mall 150-lb prem. FS WW-P-521, stre.thd 90 deg. black, Class A	1-1/2"	ea.	500	500
70.	45-3716 930-02		2"	"	300	300
71.	45-3716 930-025		2-1/2"	"	200	200
72.	45-3716 930-03		3"	"	100	100
73.	45-3716 930-035		3-1/2"	"	100	100
74.	45-3716 930-04		4"	"	100	100
75.	45-3744 004-003		3/8" x 1/4"	"	100	100
76.	45-3744 005-004		1/2" x 3/8"	"	100	100
77.	45-3744 007-005		3/4" x 1/2"	"	200	200
78.	45-3744 01-007		1" x 3/4"	"	300	300
79.	45-3744 013-01		1-1/4" x 1"	"	300	300
80.	45-3744 015-015		1-1/2" x 1-1/4"	"	200	200
81.	45-3744 02-015		2" x 1-1/2"	"	100	100
82.	45-3744 025-02		2-1/2" x 2"	"	100	100
83.	45-3744		3" x 2-1/2"	"	100	100
84.	45-4410 5-005	PLANER, rail, iron, malleable, floor, sq. Black:	1/2"	"	50	50
85.	45-4410 5-007		3/4"	"	50	50
86.	45-4416 5-01		1"	"	500	500

3407

0572

Declassified E.O. 12356 Section 3.3/NND No. 785021

87.	45-4416 S-018	Flange, mill, iron, malleable, floor, sq. block:	1-1/2"	ea.	500	500
88.	45-4416 S-02		3"	"	750	750
89.	45-4416 S-025		2-1/2"	"	750	750
90.	45-4416 S-03		3"	"	600	600
91.	45-3040 S-003	Plug, pipe, iron cent, 125-lb pten. FS WW-P-501 thrd, sq. head, black, class 1.	1/4"	"	100	100
92.	45-3040 S-004		3/8"	"	100	100
93.	45-3040 S-005		1/2"	"	100	100
94.	45-3040 S-007		3/4"	"	150	150
95.	45-3040 S-01		1"	"	150	150
96.	45-3040 S-015		1-1/4"	"	150	150
97.	45-3040 S-015		1-1/2"	"	100	100
98.	45-3040 S-02		2"	"	100	100
99.	45-3040 S-025		2-1/2"	"	50	50
100.	45-3040 S-03		3"	"	50	50
101.	45-3040 S-04		4"	"	50	50
102.	45-7807 005-006	Tee, pipe, iron, mall, 150-lb. pres. FS WW-P-521 thrd. class black, class A, 3/8" x 3/8" x 1/4"		"	300	300
103.	45-7810 007-007		1" x 3/4" x 3/4" ea.		350	350

3406

Declassified E.O. 12356 Section 3.3/NND No. 785021

104.	45-7725 S-003	Tee, pipe, iron mal. 150-lb. screw, ms gr-T-511 reduc. thrd black, Class A	1/4"	ea.	200	200
105.	45-7725 S-004		3/8"	"	300	300
106.	45-7725		1/2"	"	300	300
107.	45-7725 S-007		3/4"	"	500	500
108.	45-7725 S-01		1"	"	500	500
109.	45-7725 S-025		1-1/4"	"	500	500
110.	45-7725 S-015		1-1/2"	"	200	200
111.	45-7725 S-02		2"	"	300	300
112.	45-7725 S-025		2-1/2"	"	150	150
113.	45-7725 S-03		3"	"	150	150
114.	45-7725 S-035		3-1/2"	"	100	100
115.	45-7725 S-04		4"	"	100	100
116.	45-8420 S-003	Unions, pipe, iron, mal. 250-lb. pres. thd. exc. joint, brass, cent, female, black	1/4" ms.		500	500
117.	45-8420 S-004		3/8"	"	750	750
118.	45-8420 S-005		1/2"	"	1,000	1,000
119.	45-8420 S-007		3/4"	"	1,250	1,250
120.	45-8420 S-01		1"	"	1,500	1,500

0574

Declassified E.O. 12356 Section 3.3/NND No. 785021

121.	45-3410 0-015	UNION, pipe, iron, mal. 250-lb proa. thrd. grd. joint brass, nan5 female, black	1-1/4"	ea.	1,500	1,500
122.	45-3420 8-015		1-1/2"	"	1,000	1,000
123.	45-3426 8-02		2"	"	750	720
124.	45-3430 8-025		2-1/2"	"	500	500
125.	45-3440 8-03		3"	"	400	400
126.	45-3450 8-04		4"	"	200	200
127.	46.2000 8-1	ANTI FRICTION METAL: FS 90-15 161 ingots, Grade 2, 10-lb ingot		lb.	100,000	200,000
128.	49-0701 13-45 Cancelled	BRONZE plug, FS QQ B 745 bar, round, solid, cutting and grade machined, 13" long 1/4"		lb.	4,500	4,500
129.	51-0110 1-01	GAS, acetylene, 10 cu; ft. Prestolite MD		ea.	100	100
130.	51-0116 8-2	GAS, oxygen, 02, 12 cu ft.		"	300	300

Declassified E.O. 12356 Section 3.3/NND No. 785021

CML/av

INTER-OFFICE MEMO

File N. AG/Mat/14/7/Tn 4

SUBJECT : Release of Materials to I.S.R.

TO : Commerce Sub-Commission
Attn: Major L.C.Wood

1. Attached are lists of Permanent Way Materials ordered by the I.S.R. in Verona and are now, apparently ready for delivery.

2. Will you please arrange for the release of these materials and insure that no objection is placed by the Provincial Supply Officer to collection and removal by the I.S.R. being undertaken.

3. These materials were ordered by the former General Direction of I.S.R. at Verona and are particularly required for the works in progress, concerning the repair and reconstruction of I.S.R. lines.

4. Request for the release in joint with M.R.S. and Tn. S/C.

DIRECTOR

Incl. 2 lists of Material.

Transp. Sub-Commission (Rail Div.)
6 July 1945
Tel: 843191-11

3402

Declassified E.O. 12356 Section 3.3/NND No. 785021

LIST OF VARIOUS MATERIALS LOCATED AT THE WORKSHOPS OF FOLLOWING FIRMS:

S.A. Acciaierie e Ferriere Lombarde Falck - Milano
Workshop at Sesto S.Giovanni
86 tons unequal angles iron 120 x 80 x 10 x 6000 m/m
16,9 Tons? round iron 55 m/m
89,2 " various rolled irons
196 " " " "
150 " " flat iron and sheets

Galbarti Nicola - Belleno (Como)
1000 round big hammers for permanent way (total weight 4,2 tons)
1000 rectangular big hammers as above " " 5
1000 axes of 260 m/m total weight 2,2 tons
1000 " " 200 " " " 1,5 "

Maleci e Selva - Cortabbio (Como)
5000 forks for ballast

Seghetti Nicoletti - Milano - Via Monza 25
1000 blades for rails saws

G.Gerosa - Lecco
3,4 tons of nails 17 x 50
0,6 " " " 19 x 80

PERMANENT WAY MATERIALS, TESTED AND RECORDED, LOCATED AT THE SUPPLYING FIRMS

SUPPLYING FIRM	MATERIALS	EACH	TONS
BREDA - Sesto S.Giovanni	Rotaie (Rails)	—	426
FALK - " " "	" "	--	100
" " " "	Chiaverde C.703 (Bolts)	100.000	52,5
" " " "	Caviglie m. 14 (Studs)	70.000	38
" " " "	" " 8	95.000	35,6
" " " "	" " 9	145.000	91,3
" " " "	" " 13	72.000	38,5
" " " "	Chiaverde C. 72 (Bolts)	15.000	6
" " " "	Chiodi millesimo (nails)	41.500	5,4
F.lli ALEE' - LECCO	Filo ferro zincato del ∅ m/m.3 (zinced iron wire)	—	45
CASA BUONI FANCIULLI-Costozza	Chiaverde R.57 (bolts)	1.000	0,6
" " " "	" R.75	1.000	2,6
P.M. CERETTI-Villadossola	Caviglie m.8 (studs)	73.600	27
" " " "	" "13 "	54.500	29,2
" " " "	Chiaverde C.45 (bolts)	19.000	12,7
" " " "	Piastrine P.173 (Adjusting clips)	147.300	141,4
" " " "	Chiaverde C.705 (bolts)	100.000	52,5
REDAELLI - Milano	Caviglie m.8 (studs)	64.900	24,3
" "	Chiaverde C.611 (bolts)	70.000	29,6
S.I.S.M.A. - Villadossola	Piastrine P.172 (Adjusting clips)	5.000	5
" "	" P.173	5.400	5,1
" "	" per contropp.	18.100	--
CEN. TALLERO - Milano	Deviatoi semp.0,18		

Declassified E.O. 12356 Section 3.3/NND No. 785021

	(Bolts)	15.000	6
" " " "	Chiodi millesimo (nails)	41.500	5,4
F.lli ALDE' - LECCO	Filo ferro zincato del Ø m/m.3 (zinced iron wire)	—	45
CASA BUONI FANCIULLI-Costozze	Chiavarde R.57 (bolts)	1.000	0,6
" " " "	" R.75	1.000	2,6
P.M. CENETTI-Villadossola	Caviglie m.8 (studs)	73.600	27
" " " "	" "13 "	54.500	29,2
" " " "	Chiavarde C.45 (bolts)	19.000	12,7
" " " "	Piastrine P.173 (Adjusting clips)	147.300	141,4
" " " "	Chiavarde C.703 (bolts)	100.000	62,5
REDAELLI - Milano	Caviglie m.8 (studs)	64.900	24,3
" "	Chiavarde C.611 (bolts)	70.000	29,6
S.I.S.M.A. - Villadossola	Piastrine P.172 (Adjusting clips)	5.000	5
" "	" P.173	5.400	5,1
" "	" per contropp.	18.100	—
OFF. TALLERO - Milano	Deviatoi sempl.0,12 RA (switches)	42	—
" OFF. ZERBINATI "	Deviatoi doppi raff. F.S. (double reinf. switches)	29	—
" " "	Inters.raff.FS. (intersections - ISR.)	25	—

Declassified E.O. 12356 Section 3.3/NND No. 785021

PERMANENT WAY MATERIALS, TESTED AND RECORDED, LOCATED AT THE SUPPLYING FIRMS

ELENCO N.I

MATERIALI D'ARMAMENTO, COLLAUDATI E VERBALIZZATI, GIACENTI PRESSO GLI STABILIMENTI FORNITORI

SUPPLYING FIRM DITTA FORNITRICE	MATERIALS MATERIALI	TONS Tonn.	EACH N.
BREDA - Sesto S.Giovanni	Rotaie (RAILS)	426	--
FAICK- " " "	"	100	--
" " " "	Chiavarde C.703 BOLTS	52,5	100.000
" " " "	Caviglie m.14 STUDS	38	70.000
" " " "	" " 8	35,5	95.000
" " " "	" " 9	91,3	145.000
" " " "	" " 13	30,5	72.000
" " " "	Chiavarde C.72 BOLTS	6	15.000
" " " "	Chiodi millesimo NAILS	5,4	41.500
F.lli AIDE' - LECCO	Filo ferro zincato ZINCED IRON WIRE del ∅ m/m.3	5	--
CASA BUONI FANCIULLI-COSTOZZA	Chiavarde R.57 BOLTS	0,6	1.000
" " "	" R.75	2,6	1.000
P.M.CERETTI-VILLADOSSOLA	Caviglie m.8 STUDS	27	73.600
" " "	" "13	29,2	54.500
" " "	Chiavarde C.45 BOLTS	12,7	19.000
" " "	Piastrine P.173 ( )I	41,4	147.300
" " "	Chiavarde C.703 BOLTS	52,5	100.000
REDAELLI - MILANO	Caviglie m.8 STUDS	24,3	64.900
" "	Chiavarde C.611 BOLTS	29,6	70.000
S.I.S.M.A.-VILLADOSSOLA	Piastrine P.172 ( )	5	5.000

Declassified E.O. 12356 Section 3.3/NND No. 785021

"	" "	9	91,3	145.000
"	" "	13	38,5	72.000
Chiavarde C.72	BOLTS		6	15.000
Chiodi millesimo	NAILS		5,4	41.500
Filo ferro zincato del ∅ m/m.3	ZINCED IRON WIRE		5	---
Chiavarde R.57	BOLTS		0,6	1.000
" R.75			2,6	1.000
Caviglie m.8	STUDS		27	73.600
" " 13			29,2	54.500
Chiavarde C.45	BOLTS		12,7	19.000
Piastrine P.173			141,4	147.300
Chiavarde C.703	BOLTS		52,5	100.000
Caviglie m.8	STUDS		24,3	64.900
Chiavarde C.611	BOLTS		25,6	70.000
* Piastrine P.172			5	5.000
* " " 173	"		5,1	5.400
" per contropp.			--	13.100
Deviatoi sempl.C.12 RA	SWITCHES			42
" doppi raff.FS.	DOUBLE REINF. SWITCHES			29
Inters. raff. FS.	Intersections (J.S R.)			25

F.lli AIDE' - LECCO

CASA BUONI FANCIULLI-COSTOZZA
" " " "

P.M.CERETTI-VILLADOSSOLA
" " "
" " "
" " "

REDAELLI - MILANO
" "

S.I.S.M.A.-VILLADOSSOLA
" "
" "

OFF. FALDERO - MILANO
" CERETTATI "
" " "

---

* Adjusting clips.

./.

Declassified E.O. 12356 Section 3.3/NND No. 785021

ELENCO N.2

MATERIALI D'ARMAMENTO, COLLAUDATO MA NON VERBALIZZATO, GIACENTE PRESSO LE DITTE FORNITRICI

Ditte fornitrici	Materiali	Tonn.	N.
BREDA - SESTO S. GIOVANNI	Elum 155x155x8 352	1,550	1
" " " "	Piastre FSP.99 ADJUSTING CLIPS	5	650
FALCK " " "	Dev.Sempl.raff.0,10 FS. SIMPLE REINF. SWITCH		4
COBIANCHI - OMEGNA	Filo ferro zinc.Ø mm.3 ZINCED IRON WIRE	23,9	
F.M. CERETTI - VILLADOSSOLA	Caviglie m.13 STUDS	93,7	119.000
METALL. MERONI - ERBA	Piastrine P.41 adjusting clips	1,7	5.000
S.I.S.M.A. - VILLADOSSOLA	" P.172	75,5	75.500
" "	" " 173	215,8	224.870
" "	Caviglie m.8 STUDS	57	151.400
" "	" 9	237	47.500
" "	" 13	190	168.400
" "	Chiavarde 0.611 BOLTS	50,7	117.900
OFF.TALLERO - MILANO	Dev.sempl.0,12 RA SIMPLE SWITCH	--	41

Declassified E.O. 12356 Section 3.3/NND No. 785021

0582

Declassified E.O. 12356 Section 3.3/NND No. 785021

Tel. ROME 843191/5 (Hrebcn)
Ext 9368

ALLIED FORCE
MILITARY RAILWAY SERVICE ITALY
OFFICE OF THE DIRECTOR (DMRSI)

Subject:- Sundry Materials - Verona. Tn.A2/76/1.

3 Jul '45.

To :- Tn. Sub Commission A.C. (Rail Division). ✓

Copy to:- Ing. Bracci,
Stores Section, -(Your A.38/2831/AB-114, 27 June refers).
H.Q., I.S.R.

1. Further to our Tn.A2/76/1 letter dated 30 June 45, please deal similiarly with the attached list of sundry materials now reported as ready for delivery to the I.S.R. once the necessary authorization has been obtained.

G.J.ELLIS, Capt., (Tn);
for Brigadier,
Director, Military Railway Service.

Encl.

ELENCO MATERIALI VARI GIACENTI PRESSO GLI STABILIMENTI
DELLE SEGUENTI DITTE :

- S/A ACCIAIERIE E FERRIERE LOMBARDE FALCK - Milano - Stab.Sesto S.Giovanni
  Tonn. 56 Profilato angolare da mm. 120x80x10x6000
  Tonn. 16,9 Tondo del diametro di mm. 35
  Tonn. 29,2 laminati diversi
  Tonn. 196 laminati
  Tonn. 150 larghi piatti e lamiere

- GALBERTI Nicola - Bellano (Como)
  n° 1.000 mazzette d'inchiodamento rotonde del peso di Tonn. 4,2
  " 1.000 mazzette d'inchiodamento rettangolari del peso di Tonn. 5,7
  " 1.000 ascie da mm. 260 del peso di Tonn. 2,2
  " 1.000 ascie da mm. 200 del peso di Tonn. 1,5

- MELESI & SELVA - Cortabbio - (Como)
  n° 5.000 forconi per massicciata

- SEGHETTI NICOLETTI - Milano - Via Monza 25
  n° 1.000 lame per seghe da rotaie

- G. GEROSA - Lecco -
  Tonn. 3,4 Chiodi 17 - 50

Declassified E.O. 12356 Section 3.3/NND No. 735021

Tonn. 150 larghi piatti e lamiere

- GALBERTI Nicola - Bellano (Como)
  nº 1.000 mazzette d'inchiodamento rotonde del peso di Tonn. 4,2
  " 1.000 mazzette d'inchiodamento rettangolari del peso di Tonn. 5,7
  " 1.000 ascie da mm. 260 del peso di Tonn. 2,2
  " 1.000 ascie da mm. 200 del peso di Tonn. 1,5

- MELESI & SELVA - Cortabbio - (Como)
  nº 5.000 forconi per massicciata

- SEGHETTI NICOLETTI - Milano - Via Monza 25
  nº 1.000 lame per seghe da rotaie

- G. GEROSA - Lecco -
  Tonn. 3,4 Chiodi 17 x 50
  Tonn. 0,6 Chiodi 19 x 80

3398

Declassified E.O. 12356 Section 3.3/NND No. 785021

List of various materials located at the Workshops of following Firms:

S.A. Acciaierie e Ferriere Lombarde Falck - Milano
Workshop at Sesto S.Giovanni
56 tons unequal angles iron 120x80x10x6000 m/m
16,9 Tons. round iron 55 m/m
29,2 " various rolled irons
196 " " " "
150 " " flat iron and sheets

Galberti Nicola - Bellano (Como)
1000 round big hammers for permanent way (total weight 4,2 tons)
1000 rectangular big hammers as above " " 5
1000 axes of 260 m/m total weight 2,2 tons
1000 " " 200 " " " 1,5 "

Melesi e Selva - Cortabbio (Como)
5000 forks for ballast

Seghetti Nicoletti - Milano - Via Monza 25
1000 blades for rails saws

G.Garosa - Lecco
3,4 tons of nails 17x50
0,6 " " " 19 x 80

Declassified E.O. 12356 Section 3.3/NND No. 795021

Galberti Nicola - Bellano (Como)

1000 round big hammers for permanent way (total weight 4,2 tons)

1000 rectangular big hammers as above " " 5

1000 axes of 260 m/m total weight 2,2 tons

1000 " " 200 " " " " 1,5 "

Melesi e Selva - Cortabbio (Como)

5000 forks for ballast

Seghetti Nicoletti - Milano - Via Monza 25

1000 blades for rails saws

G.Gerosa - Lecco

3,4 tons of nails 17x50

0,6 " " " 19 x 80

9397

Declassified E.O. 12356 Section 3.3/NND No. 785021

0587

Declassified E.O. 12356 Section 3.3/NND No. 785021

Tel. ROME 9419/15 (Trunk)
EXT 9368

ALLIED FORCE
MILITARY RAILWAY SERVICE ITALY
OFFICE OF THE DIRECTOR (DMRSI)

Subject:- Permanent Way Materials - Verona. Tn.A2/76/1

30 June 1945.

To :- Tn. Sub Commission A.C. (Rail Division).

Copy to:- Ing. Bracci,
Stores Section,
H.Q., I.S.R.

1. Attached is a list of P.W. Materials ordered by the I.S.R. in Verona and now, apparently, ready for delivery.

2. Please arrange release and ensure that no objection is placed by the Provincial Supply Officer to collection and removal by the I.S.R. being undertaken.

G.J.ELLIS, Capt., (Tn).,
for Brigadier,
Director, Military Railway Service.

Encl.

0587

0588

Declassified E.O. 12356 Section 3.3/NND No. 785021

Ministry of Transport.
I.G.T. General Direction
Stores Service

25 GIU. 1945

Rome, June 1945

Headquarters
Military Railway Service
Building

Subject:
Release of permanent
way materials.

Encl. - 1 -

1. Various quantities of permanent way materials, already tested and ready for the delivery, are located at the parts of the Line given on the attached list.

2. These materials were ordered by the former General Direction of Verona, and are particularly required for the works in progress, concerning repair and reconstruction of I.G.T. lines.

3. Therefore, please give authority for release and withdrawal of these materials.

Chief of Service
Ing. Bracci

Ce.Zi.eb.

3395

Ext. 813 HEADQUARTERS ALLIED COMMISSION CRR/sm
APO 394
TRANSPORTATION SUB-COMMISSION

Ref. 217/11/Tn.2 13 June 1945

SUBJECT: Com 94.

TO : Economic Section, Requisition Branch
(Attn. Lt. Col. Quartier).

1. Reference our 217/10/Tn.2 of 26 May 1945, AC/Sat/14/6/Tn.4 of 12 June 1945 (copy attached) and your 445E/187-ES of 12 June 1945.

2. The letter from Chief of Rail Division shows that insufficient information is available for drafting a MOC cable unless you are in favor of breaking down CLAC 1-209/210 into segmentary changes; vide Para 4 of above mentioned letter.

3. As you are aware reliable information re actual industrial potentialities in the North of Italy is difficult to obtain and Transportation Sub-Commission is loathe to act on the general rosy picture of manufacturing before confirmation by Industry, I.S.R. and our own field representatives.

CHARLIE RYAN
TRANSPORTATION
Planning Staff

CHARLIE RYAN
Chief, Planning Staff
Transportation Sub-Commission

Copies to:
File 218/e/Tn.2.

Declassified E.O. 12356 Section 3.3/NND No. 785031

that insufficient information is available for drafting a MSC cable unless you are in favor of breaking down CLAC 1-2209/210 into segmentary changes; vide Para 4 of above mentioned letter.

3. As you are aware reliable information re actual industrial potentialities in the North of Italy is difficult to obtain and Transportation Sub-Commission is loathe to act on the general rosy picture of manufacturing before confirmation by Industry, I.S.R. and our own field representatives.

CHARLIE RYAN
TRANSPORTATION
Planning Staff

CHARLIE RYAN
Chief, Planning Staff
Transportation Sub-Commission

Copies to:
File 218/c/Tn.2.
Rail Division
(Attn. Maj. Long).

3394

Declassified E.O. 12356 Section 3.3/NND No. 785021

0591

Declassified E.O. 12356 Section 3.3/NND No. 785021

CML/sv

INTER-OFFICE MEMO

Ref: AC/Mat/14/6/Tn 4

SUBJECT : Rail Rolling Stock - Category B Programme.

TO : Planning Staff Tn 2
Attn: Mr. C.Ryan

1. Washington signal WAR 83858 from War to HQ.Alcom received May 18 0900 refers.

2. An investigation of all the factors involved has been made and the conclusion reached that the increased resources made available by the liberation of N.Italy will enable the construction of the rail cars in category B to be undertaken in Italy from the raw material stage.

3. It is computed that sufficient steel is or can be made available and that the remaining materials which need be imported are:

Gray pig iron	7500 tons
Copper	170 "
Tin	30 "
Lead	32 "
Antimony	7 "
Zinc	4 "

4. The question of paints and axle box packings will be the subject of a further communications as these are still under consideration with U.S.R. with a view to arriving at an "austerity" specification.

Chief 3393
Chief
Rail Division

Transp. Sub-Commission (Rail Div.)
12 June 1945
Tel: 843191-11

0592

Declassified E.O. 12356 Section 3.3/NND No. 785021

Tel. ROME 863191/5 (Firebox)
ext 9368.

ALLIED FORCE
MILITARY RAILWAY SERVICE ITALY
OFFICE OF THE DIRECTOR (DMRSD)

Subject: I.S.R. Requirements.

File: Tn.A.2/76/12.

11 June 1945.

To: Ing. G. Bracci,
Stores Department,
HQ. I.S.R.

Copy to: Tn. Sub-Commission A.C. (Rail Division).

1. Reference your lists of additional requirements.

2. The stores requested by you have been screened by our Technical Branches and the opinion has been expressed that it should be possible for all your requirements to be met either from I.S.R. resources or by manufacture in Northern Italy. This opinion is endorsed by the Tn. Sub- Commission (A.C.) Rail Division.

3. Under the circumstances we do not propose to take any action and your lists (seven copies in English and one in Italian together with relevant drawings) are returned herewith.

G.J. ELLIS, Capt.,(Tn),
for Brigadier,
Director Military Railway Service.

3392

CML/av

TRANSPORTATION SUB-COMMISSION, AC.
(RAIL DIVISION)
C/o Transportation Increment
C.M.F.

Tel: 848191-11
Ref: AG/Mat/14/S/Tn 4

11 June 1945

SUBJECT : Materials for I.S.R.

TO : D.M.R.S. D.A.D. Tn 2 A (Stores) Bldg.
Attn: Capt. Ellis

1. Referring to supplemental requests for supplies submitted to you by I.S.R. and which were screened by Tn A.3 (M and Tn A.2 (2).

2. This Sub-Commission agrees entirely with the opinions of M.R.S. and recommend that the requests be returned to I.S.R. advising them to explor factories in Northern Italy where they obtained these material previously.

DIRECTOR

Declassified E.O. 12356 Section 3.3/NND No. 785021

SUBJECT : Materials for I.S.R.

TO : D.M.R.S. D.A.D. Tn 2 A (Stores) Bldg.
Attn: Capt. Ellis

1. Referring to supplemental requests for supplies submitted to you by I.S.R. and which were screened by Tn A.3 (M and Tn A.3 (2).

2. This Sub-Commission agrees entirely with the opinions of M.R.S. and recommend that the requests be returned to I.S.R. advising them to explor factories in Northern Italy where they obtained these material previously.

DIRECTOR

Declassified E.O. 12356 Section 3.3/NND No. 785021

0595

Declassified E.O. 12356 Section 3.3/NND No. 785021

ARMY FORM C2136 (Small) **MESSAGE FORM** Register No.

Call	Sil. No.	Prty	Transmission Instructions
		242	

ABOVE THIS LINE FOR SIGNALS USE ONLY

FROM (A) Originator	Date-Time of Origin
TW RAID ROME.	8.

For Action

TO 330 T.S.D.

(W) For Information (INFO)

MAJOR MOLE C/O DEPRAIL ANCONA.
TW SUB COMMISSION A.C.

Originator's No. 573

TW.2 RESTRICTED (.) RELEASE TO MAJOR MOLE FOR LINE 88
PESCARA AND CHIETI SLEEPERS NOS. 2000 (.) T.I. 38 APPLIES (.)

TW.A.2/65/6. 8 JUNE 45.
WRH.

OFFICE DATE STAMP

ARMY
M—8 VI 45 B—
SIGNAL DU

Message Instructions

(CT 485) Wt. 4225/367. 910,000 Pads. 8/44. E. & S. Ltd. 4554.

THIS MESSAGE MAY BE SENT AS WRITTEN BY ANY MEANS { TELEGRAPH / WIRELESS }

Signed

BE LIABLE TO BE INTERCEPTED DUE TO FALL INTO ENEMY HANDS, THIS MESSAGE MUST BE SENT IN CIPHER

Signed

ORIGINATOR'S INSTRUCTIONS Degree of Priority

Time	System	Op.
THI or TOR		
Time cleared		

Declassified E.O. 12356 Section 3.3/NND No. 785021

Military Railway Service,
C.M.F.
Tel: Firebox 9389.

14

Tn.A.2/76/12

31 May 45.

Subject: Railroad Maintenance Equipment.

To:- Tn.(Fr.), A.F.H.Q.

Copy to:- Lt. Col. H.F. De Lisle, A.D.C. - Stores
Transportation Sub-Commission A.C.
Tn.(F).

1. With reference to our Tn.A.2/76/12, 20 Apr. 45 addressed to G-4 C through Mov. & Tn. A.F.H.Q. enclosing A.C. requisitions for 6 months maintenance of the I.S.R. duly broken down as requested between military and essential civil and other requirements.

2. We have received under cover of a Routing Slip signed by Asst. D.D.M.R.S.I. A.F.H.Q. a copy of Regn. No. IV-2498, 16 May 45 placed on U.S.A. and covering a number of the items recommended by us as essential to the I.S.R. for the maintenance of military traffic and the prevention of disease and unrest. Delivery has been specified during period 1 - 15 July to M.R.S. Depot under markings AFCOM-UK-IV-MRS-EMP-U.498

3. It is assumed that further requisitions are to be placed through British or American service channels for supply from stocks in depots in Italy or by import. Confirmation of the action being taken is requested in view of the consignment of the stores already ordered above to M.R.S. Depots and not to A.C. or the I.S.R. direct.

4. In view of the need to reduce the number of T.C.Os. now operating and to economise in personnel in view of releases and losses under python we are anxious to avoid handling and accounting for stores demanded through A.C. channels and intended for the sole use of the Italian State Railways. We shall be glad if you will explore the possibility of consignment through A.C. Depots or by direct shipment to the I.S.R. who state that their Agencies Maritimes are able to undertake handling and forwarding to I.S.R. depots for accounting purposes.

999

D.R.H. CHAPLIN, Lt. Col.,
for Brigadier,
Director Military Railway Service.

0597

Declassified E.O. 12356 Section 3.3/NND No. 785021

ACC AC14 10000/148/1770 (2 OF 2) A.C. HA
DEC. 19

Declassified E.O. 12356 Section 3.3/NND No. 785021

(2 OF 2) A.C. MAT. 14 SIX MONTH SUPPLY REQUEST
DEC. 1944 - FEB. 1946

0 6 0 0

Declassified E.O. 12356 Section 3.3/NND No. 785021

CML/sV

INTER-OFFICE MINUTES

File N. AC/Mat/14/4/Tn 4

SUBJECT : Category B Program - Freight Cars.

TO : Planning Staff - Tn. Sub-Commission

1. Reference signal WARX 83858 from WAR to Hq. ALCOM received May 180900.

2. It is considered that greater part of necessary items can be accepted in unfinished state as pigs, blooms and billets for manufacture in factories in Italy provided necessary coal and coke per manufacturing processes is forthcoming.

3. Detailed consideration is in hand and will be completed in few days.

4. Full particulars of Category B Program are not held in this office and it is requested that they be forwarded early. (This confirms request made in 'phone conversation Major Long - Mr. Ryan).

Chief
Rail Division

Transp. Sub-Commission (Rail Div.)
26 May 1945
Tel. 84191-11

3389

0601

Declassified E.O. 12356 Section 3.3/NND No. 785021

INCOMING MESSAGE

HEADQUARTERS ALLIED COMMISSION

Originator's Reference: WARX 83158

Date Time of Origin: MAY 172314Z

Message Centre No: Z/1186

Date Time Rec'd: MAY 180900

Precedence: ROUTINE

FROM: WAR

TO: HQ AFHQ

CONFIDENTIAL

ACTION

CONFIDENTIAL.

This is Con 94.

Specifications on subsidiary war requisitions.

Re CCAC I-203/210-freight cars for private, owned and state owned roads. May be advisable, in view of supply situation, to order parts and materials for construction, instead of completed cars. Therefore, we require information giving specific details for most important articles, including pipes, parts, shapes, springs, and plates utilized in manufacturing various kinds of railroad cars.

2. Also advise how much of necessary items will be acceptable if furnished in unfinished state, as pig iron, blooms, and billets, manufacturing to be completed in factories in ITALY.

Re CCAC I-240-light bulbs, electric subpara I 1 (A) - is base desired with bayonet or edison screw? (B) Should lamps (20 amp) operate base down or up? Subpara I 2- should bulbs be clear or completely or partially frosted?

Re CCAC I-238-cables, electrical, require further specific details on

item 2.

DIST

ACTION - REQ DIV 5

INFO - A/PRESIDENT
CHIEF COMMISSIONER
ECON SEC
FILE 2
FLOAT

3388

Econ Br Dist:
Action: Capt S/C
" : P. W. & U. S/C
Info: Econ Sec
" : Supply & Production Div.
" : Industry S/C

HEADQUARTERS

CONFIDENTIAL

Ministry of Transports
I.S.R.Direction General
Stores Service

Subject:
Materials necessary for
loco repair - Palermo.

5 MAG 1945
Rome April 1945
A.27./1014/700.8

To Tn. Sub Commissione, A.C.
(Rail Division)
C/o Transportation Increment
Building
Att. Maj. Long

14

1. Ref. is to your letter AC/Ast/14/14 of March,3, 1945, by which you forwarded the list of materials, necessary for a 6 months period, to U.S.A. Palermo Naval Yard, for the continuance of loco repairs.

2. Of the materials, shown on the a/m list, the following could be supplied:

100 lbs boiler-minium 500 gallons of loco black 50 lbs of white lead	To be purchased on Palermo market in case of no availability at Palermo and Messina Depots.
25 dozens of wick, size 1/4" for oil lamps	To be withdrown from stocks at Palermo Depot.
- 30' of junctions for belts, serial number 4, size less than 8". - 20' of junctions for belts, serial number 6, size more than 8". - 36 lenghts of junctions for belts, serial number 4, lenght 16". - 24 lenghts of junctions for belts, serial number 6, lenght	To be purchased on Florence market, as they are materials of which we usually have no stocks.

Declassified E.O. 12356 Section 3.3/NND No. 785021

months period, to U.S.A. Palermo Naval Yard, for the continuance of loco repairs.

2. Of the materials, shown on the a/m list, the following could be supplied:

100 lbs boiler-minium 500 gallons of loco black 30 lbs of white lead	To be purchased on Palermo market in case of no availability at Palermo and Messina Depots.
25 dozens of wick, size 1/4" for oil lamps	To be withdrown from stocks at Palermo Depot.
- 30' of junctions for belts, serial number 4, size less than 8". - 20' of junctions for belts, serial number 6, size more than 8". - 36 lenghts of junctions for belts, serial number 4, lenght 16". - 24 lenghts of junctions for belts, serial number 6, lenght 13". - 15 hooks for belts, serial number 16. - 20 sticks for fitting up of belts.	To be purchased on Florence market, as they are materials of which we usually have no stocks.

3387

Tons 15 of cast iron (if they refer to cast iron in ingots, whereof stock is available at Palermo Depot).

Kg. 2.650 of round steel m/m 40)
3.500 " " " " 42) Available at Florence stocks

Cu.2/3/cb. Plugs, various - Although the shape of the requested bolts head has not been detailed, any way we deem that

Declassified E.O. 12356 Section 3.3/NND No. 785021

the most part of the requirement might be met through withdrowal from stocks existing at Naples Poggio Reale Depot.

Screws for various machinery: Although the thread of screws has not been detailed (whether Withworth or decimal) anyhow we deem that the most part of the requirement might be met through withdrowal from Stocks at Rome Tiburtina Depot.

Nails and rivets, sundry - Although the lenght of nails has not been communicated, anyhow we deem that the requirement might be met through withdrowal from stocks a Palermo Depot.

Kg. 174 of copper sheets m/m 2200 x 2100 x 2 : At Palermo Depot, on Jan. 1945, there was a stock of Kg. 170.

Files, sundry: Stocks are available at Palermo Depot.

N.2.000 fire bricks: They are under delivery from firm "S.A.F.I.S." Cagliari.

3. We will furtherly communicate details covering other items of the requested materials, whereof informations are awaited from I.S.R. Equipment and Traction Service, Florence, managing relative Stocks.

The Service Chief
Signed: Bracci

Da.2/5/45.

Declassified E.O. 12356 Section 3.3/NND No. 785021

0605

Declassified E.O. 12356 Section 3.3/NND No. 785021

MINISTERO
DELLE COMUNICAZIONI
DEI TRASPORTI
FERROVIE DELLO STATO
DIREZIONE GENERALE
SERVIZIO
APPROVVIGIONAMENTI

Roma, li 3 MAG 1945 - 1014 - A.

N A.27/1014/700.8

Al N. del

OGGETTO

Materiali occorrenti per riparazione locomotive a Palermo.

ALLEGATI N.

ALLA SOTTO COMMISSIONE TRASPORTI A.C.
(Div. Ferrovie) C/o Incremento Trasporti
S E D E
(All'attenzione del Maj. Long)

I) Ci riferiamo alla Vostra AC/Mat/14/14 del 5.5.1945 con la quale trasmettevate elenco dei materiali occorrenti per un periodo di sei mesi all'Officina Navale Americana di Palermo, per la continuazione delle riparazioni delle locomotive.

2) Dei materiali compresi nell'elenco suddetto potrebbero essere forniti i seguenti:

100 libbre di Minio per caldaie 500 galloni di Nero per locomotive 50 libbre di biacca di piombo	Da acquistarsi su piazza a Palermo qualora non ne esistesse scorta presso i Magazzini di Palermo e Messina.
25 dozzine di Calza da 1/4" per lumi ad olio.	Da prelevarsi dalle scorte del Magazzino di Palermo.
Per 30 Fb di giunzioni per cinghie del N° 4 sotto i 3 pollici. " 20 " Idem. c.s. del N°6 sopra i 3 pollici. " 36 lenghts di giunzioni per cinghie del N°4 lunghezza 16 pollici. " 24 " Idem.c.s. N°6 lunghezza 13 pollici " 15 ganci per cinghie del N° 16. " 20 bacchette per montaggio cinghie.	Da acquistarsi su piazza a Firenze trattandosi di materiali di cui non si fa scorta.
Tonn. 15 di Ghisa (Cast iron) sempre che trattisi di ghisa in pani di cui esiste scorta nel Magazzino di Palermo.	
Kg. 2.550 Acciaio tondo m/m. 40. " 3.500 " " " 42.	Alle scorte nel Magazz. di Firenze.

Caviglie varie = Pur non essendo specificata la forma della testa dei bulloni richiesti, tuttavia si ritiene che gran parte del fabbisogno possa essere soddisfatta con prelievo dalle scorte esistenti presso il Magazzino di Napoli Poggio Reale.

3386

./.

Declassified E.O. 12356 Section 3.3/NND No. 785021

Viti per macchine varie: Pur non essendo specificato il passo delle viti (se Whitworth o decimale) tuttavia si ritiene che gran parte della richiesta possa essere soddisfatta con prelievo dalle scorte presso il Magazzino di Roma Tiburtina.

Chiodi e ribattini varii: Pur non essendo state indicate le lunghezze dei chiodi, tuttavia si ritiene che la richiesta possa essere soddisfatta con prelievo dalle scorte esistenti presso il Magazzino di Palermo.

Kg. 174 lamiera rame: m/m. 2300x2100x2 : Presso il Magazzino di Palermo, al I.I.1945, esisteva scorta di Kg.170.

Lime varie: Esistono alle scorte del Magazzino di Palermo.

Nº 2.000 mattoni refrattari: Sono in corso consegne da parte della Ditta "S.A.F.I.S." di Cagliari.

3) Si fa riserva di far seguito per altre voci dei materiali in discorso per le quali si attendono notizie dal Servizio Materiale e Trazione di Firenze, che ne gestisce le scorte.

IL CAPO DEL SERVIZIO

Ministry of Transports
I S R General Direction

Rome -3 APR 1945

San. 4388/CS/ICCA/3575/33

Subject: Supply of sanitary materials

14

To Allied Commission
Transport Sub Commission

f.i. M/R.S.

1) We reply to point 2 of your note AC/146/Tn 4 dated 17 March 1945.

2) Our letter A 25 A/497/102.17 ICCA/3159/33 dated 17 March 25 replying your letter AC/146/Tn 4 dated 17 March 1945, referred to the request of sanitary materials sent in Nov.1944 by this Administration, including besides medicines and medications materials, also surgical instruments, furniture for hospital apparatuses and sundry material for laboratory.

3) We inform that nothing has been received of the materials required in Nov.1944, we prepared a list for drugs medicines and medication material urgently needed for the dependent medical ambulatories restraining the request to the most indispensable items. Said list was transmitted by previous letter ICCA/3208/33 12 March 1945.

4) We appreciate what you kindly communicated us in para 4 of your a/m letter.

The Director General
sgd Di Raimondo

Go 2/4 ng

Declassified E.O. 12356 Section 3.3/NND No. 785021

replying your letter AC/146/In 4 dated 17 March 1945, referred to the request of sanitary materials sent in Nov.1944 by this Administration, including besides medicines and medications materials, also surgical instruments, furniture for hospital apparatuses and sundry material for laboratory.

3) We inform that nothing has been received of the materials required in Nov.1944, we prepared a list for drugs medicines and medication material urgently needed for the dependent medical ambulatories restraining the request to the most indispensable items. Said list was transmitted by previous letter IC[illegible]A/3206/33 12 March 1945.

4) We appreciate what you kindly communicated us in para 4 of your a/m letter.

The Director General

sgd Di Raimondo

Go 2/4 ng

3385

Declassified E.O. 12356 Section 3.3/NND No. 785021

0607

Declassified E.O. 12356 Section 3.3/NND No. 785021

MINISTERO DELLE COMUNICAZIONI
FERROVIE DELLO STATO - DIREZIONE GENERALE
(1) .....

Roma, li 3 APR. 1945 - 1945 -
Sez. N. 4388/OS./ICCA/3575/33
Al N. ..... del .....

OGGETTO: Forbitura materiali sanitari.

- Commissione Alleata
Sottocommissione Trasporti

p.c. - Servizio Ferroviario Militare

1. Si risponde al punto 2. della vs. AC/146/Tn.4 in data 17 corr.

2. Quanto comunicato con la ns. A.25A/497/102.17 ICCA/3159/33 del 18 corr., che rispondeva alla vs. AC/146/Tn.4 del 17 corr., si riferiva alla richiesta di materiali sanitari avanzata da questa Amministrazione nel novembre 1944, richiesta che comprendeva, oltre ai medicinali ed al materiale di medicazione, anche ferri chirurgici, mobilio ospitaliero, apparecchi e materiale vario per laboratorio.

3. Si precisa che non si è nulla ricevuto dei materiali richiesti nel novembre 1944.

4. In seguito alla lettera in data 3 marzo c.a. del Comando 701 Grande Divisione Ferroviaria, non avendo questa Amministrazione ricevuto nulla, come si è detto sopra, di quanto richiesto nel novembre 1944, si predispose

./.

Stab. Tip. Pucci - Ancona - Ord. 37 - 30-6-42-XX - 1.201.(45) 4 f.

(1) Servizio.

0510

Declassified E.O. 12356 Section 3.3/NND No. 785021

l'elenco dei soli medicinali e del materiale di medicazione occorrenti di urgenza per il funzionamento dei dipendenti ambulatori medici, limitando la richiesta allo stretto indispensabile. Detto elenco fu trasmesso con la ns. precedente lettera ICCA/3206/33 del 12 corr.

5. Con compiacimento si è preso atto di quanto viene comunicato al punto 4. della vs. lettera cui si risponde.

IL DIRETTORE GENERALE

Declassified E.O. 12356 Section 3.3/NND No. 785021

CMS/ev

TRANSPORTATION SUB-COMMISSION, A.C.
(RAIL DIVISION)
c/o Transportation Increment
C.M.F.

17 March 1945

Tel. Flreham-11
Our Ref: AG/116/Tn 4

SUBJECT : Medical Supplies for I.S.K.

TO : Director General I.S.K. Bldg.

1. Reference your 1004/3206/34 dated 12 March, above subject, with list of medical supplies attached which was requested by letter from the 755rd Railway Shop Battalion.

2. Before submitting this request to the Public Health Sub-Commission A.C. it is necessary that we know what is to be received from your first request which we submitted in November 44.

3. Attached is copy of letter sent to a/m sub-commission trading on this matter.

4. It is hoped that you will soon obtain the supplies requested.

O.H. LINDBERG
Lt.Col. S.C.
Chief, Rail Division

Encl. 1 letter

238

0612

Declassified E.O. 12356 Section 3.3/NND No. 785021

CML/av

TRANSPORTATION SUB-COMMISSION, AC.
(RAIL DIVISION)
C/o Transportation Increment
C.M.F.

Tel. 843191-11
Our Ref: AC/146/Tn 4

13 March 1945

SUBJECT : Medical Supplies for Italian State Railways

TO : HQ.Allied Commission A.P.O. 394
Attn: Public Health Sub-Commission

1. . Referring to your AC/3072/62 P.H. dated 13 February 45 above subject.

2. The information contained in your letter was passed to the Director General I.S.R. who has replied under date of 9 March that none of the medical supplies have been received and that no word has been received about the request from the Director General of Public Health.

3. In as much as this Sub-Commission was not permitted to order medical supplies on our recent requisitions, it is requested that it be advised the proper channel for procuring the urgently needed supplies.

O.H. LINDBERG
Lt.Col. R.E.
Chief, Rail Division

cc. D.G.I.S.R. Bldg.

3383

0613

Declassified E.O. 12356 Section 3.3/NND No. 785021

Ministry of Transports
I S R General Direction

Rome 12 March 1945
IUCA/ 3206/33

Subject: Medical items

Allied Commission
Transportation Sub Commission
f.i. HQ Military Railway Service

1) Reference to informations sent by letter APO 512 dated 26 February from M.R.S.

2) Herewith attached is the list of medical items required by our Central Medical Office to supply, through concerned Medical Inspectorships, the 60 surgeries located in liberated Italy.

3) The above items, whether granted, should be stored at Magazzino Economato of Rome.

Director General
signed Di Raimondo

Ca Ng 12/3

List of medical items to be requested of the Allies according to para 3 of note APO 512 E.S.O. dated 3 February 1945, from 753rd Railway Shop Battalion

- - - - - - -

Medicinals

Acetic acid, small bottles gr.200 each		30
Ethylic alcohol 95°	Kilos.	200
Purified Benzine, for medical use - bottles I Kilo each....		150
Cardiac tonics, tablets, tubes or small bottles...	"	60
" " phials, boxes	"	60
Quinine, tablets	Kg	100
" phials	"	50
Sulphuric ether, bottles 1 Kilo	each	150
Dakin liquid or other disinfectant for wounds, bottles	each	150
Morphina	gr	200
Cocaine	"	200
Liquid laudanum	Kilos	50
Pencillin, phials	each	60
Sulphur pomade type Emerik, tubes or small vases	"	60
Antiplogen pomade, tubes of small vases	"	150
Zinc oxyde pomade " " " "	"	150
Feheling A reagent, small bottles gr. 200 each		30
" B " " " " " "		30
Saccharine -tablets, tubes	"	60
Sulphamidine, tablets, tubes	"	300
" Phials, boxes	"	150
Alcoholic iodic tincture - bottles I kilo	"	80

Treatment items

Adhesive plaster, rolls one meter	"	2000
Hydrophil cotton; packages	"	2000
" gauze bandages, soundry	"	100000
Plastered bandages	"	300
Hydrophile gauze, sterile tablets, various measures packages	each	10000

Soundry items for medical use

Syringe, needles, soundry	"	500
Suture needles	"	100
Rubber gloves for surgery, medium measure, pairs	"	50
Syringes for hypodermic injections gr. 2	"	150

Declassified E.O. 12356 Section 3.3/NND No. 785021

Cocaine		
Liquid laudanum	Kilos	50
Pencillin, phials	each	60
Sulphur pomade type Emerik, tubes or small vases	"	60
Antipiogen pomade, tubes or small vases	"	150
Zinc oxide pomade " " " "	"	150
Fehaling A reagent, small bottles gr. 200 each		30
" B " " " " " "		30
Saccharine -tablets, tubes	"	60
Sulphamidine, tablets, tubes	"	300
" Phials, boxes	"	150
Alcoholic iodic tincture - bottles I kilo	"	80

Treatment items

Adhesive plaster, rolls one meter	"	2000
Hydrophil cotton; packages	"	2000
" gauze bandages, soundry	"	100000
Plastered bandages	"	300
Hydrophile gauze, sterile tablets, various measures packages	each	10000

Soundry items for medical use

Syringe, needles, soundry	"	500
Suture needles	"	100
Rubber gloves for surgery, medium measure, pairs	"	50
Syringes for hypodermic injections cc.2	"	1500
" " " " " 5	"	200
" " " " "10	"	100
Clinical thermometers	"	500
Rubber tube for irrigators, diameter about one centimeter-	meters	200
Soaps, common	each	3300

Remark: the above items are required to replace the stocks existing at the Medical Inspectorships of Florence, Pisa, Rome, Ancona, Naples, Foggia, Bari, Reggio Calabria, Palermo, Catania and Cagliari, that arrange for supplying 60 surgeries whereto sick or injured railwaymen call at daily, and some 2500 first aid boxes.

ca ng 12/3

Declassified E.O. 12356 Section 3.3/NND No. 785021

Declassified E.O. 12356 Section 3.3/NND No. 785021

MINISTERO
DELLE COMUNICAZIONI

FERROVIE DELLO STATO
DIREZIONE GENERALE

Roma 12 MAR 1945 194 - A

N. ICCA/8206/33

Al N. del

- Commissione Alleata
  Sottocommissione Trasporti
  e p.c.
- Servizio Ferroviario Militare

OGGETTO

Materiali sanitari.

ALLEGATI N. =1=

1) Si fa richiamo alle indicazioni fornite dal Servizio Ferroviario Militare con la lettera A.F.C. 512 in data 26 febbraio.

2) Si trasmette, in allegato alla presente, l'elenco dei medicinali e del materiale di medicazione, occorrenti all'Ufficio Centrale Sanitario di questa Amministrazione per poter rifornire, a mezzo dei competenti Ispettorati Sanitari, i 60 ambulatori medici in funzione nell'Italia liberata.

3) I medicinali in parola dovrebbero, se accordata, essere accantonati presso il Magazzino Economato di Roma.

IL DIRETTORE GENERALE

a.e.

3381

ELENCO DEI MATERIALI SANITARI DA RICHIEDERSI AGLI
ALLEATI IN BASE AL PARAGRAFO 3 DELLA NOTA A.P.O.512. E.S.U.
IN DATA 3 FEBBRAIO 1945 DEL 753 BATTAGLIONE FERROVIARIO OFFICINA.

———— o ————

Medicinali

Acido acetico, boccette da gr.200	N°	30
Alcool etilico a 95°	Kg.	200
Benzina rettificata per uso sanitario in bottiglie da Kg.1	N°	150
Cardiotonici in compresse, tubi o flaconi	"	60
" in fiale, scatole	"	60
Chinino in compresse	Kg.	100
" in fiale	"	50
Etere solforico, bottiglie da Kg.1	N°	150
Liquido del Dakin o altro disinfettante per ferite, bottiglie	"	150
Morfina	gr.	200
Cocaina	"	200
Laudano liquido	Kg.	50
Penicillina, fiale	N°	60
Pomata allo zolfo tipo Emerik, tubi o vasetti	"	60
Pomata antipiogena, tubi o vasetti	"	150
Pomata all'ossido di zinco, tubi o vasetti	"	150
Reattivo Fehling A. boccette gr.200	"	30
Reattivo Fehling B. " " "	"	30
Saccarina in compresse, tubetti	"	60
Sulfamidici in compresse, tubetti	"	300
Sulfamidici in fiale, scatole	"	150
Tintura alcolica di jodio, bottiglie da Kg.1	"	80

Materiale di medicazione

Cerotto adesivo, rotoli da m.1	N°	2000
Cotone idrofilo in pacchi	Kg.	2000
Bende di garza idrofila assortite	N°	100000
Bende gessate	"	300
Garza idrofila in compresse sterili, varie misure, pacchi	"	10000

Oggetti vari di uso sanitario

Aghi per siringhe assortiti	N°	500
Aghi per sutura assortiti	"	100
Guanti di gomma per chirurgia, misura media, paia	"	50

Declassified E.O. 12356 Section 3.3/NND No. 785021

Laudano liquido	Kg.	30
Penicillina,fiale	Nº	60
Pomata allo zolfo tipo Emerik,tubi o vasetti	"	60
Pomata antipiogena,tubi o vasetti	"	150
Pomata all'ossido di zinco,tubi o vasetti	"	150
Reattivo Fehling A. boccette gr.200	"	30
Reattivo Fehling B. " " "	"	30
Saccarina in compresse,tubetti	"	60
Sulfamidici in compresse,tubetti	"	300
Sulfamidici in fiale,scatole	"	150
Tintura alcolica di jodio,bottiglie da Kg.1	"	80

Materiale di medicazione

Cerotto adesivo,rotoli da m.1	Nº	2000
Cotone idrofilo in pacchi	Kg.	2000
Bende di garza idrofila assortite	Nº	100000
Bende gessate	"	300
Garza idrofila in compresse sterili,varie misure,pacchi	"	10000

Oggetti vari di uso sanitario

Aghi per siringhe assortiti	Nº	500
Aghi per sutura assortiti	"	100
Guanti di gomma per chirurgia,misura media,paia	"	50
Siringhe per iniezioni ipodermiche da cc.2	"	1500
" " " " " " 5	"	200
" " " " " " 10	"	100
Termometri clinici	"	500
Tubo di gomma per irrigatori,diametro cm.1 circa	mt.	200
Saponette comuni	Nº	3300

3395

N.B. I materiali di cui sopra occorrono per reintegrare le scorte degli Ispettorati Sanitari di Firenze,Pisa,Roma,Ancona,Napoli,Foggia,Bari, Reggio Calabria,Palermo,Catania e Cagliari che provvedono al rifornimento,complessivamente,di 60 ambulatori medici,ove affluiscono giornalmente i ferrovieri malati od infortunati,e di circa 2500 caseette di pronto soccorso.

Declassified E.O. 12356 Section 3.3/NND No. 785021

Declassified E.O. 12356 Section 3.3/NND No. 785021

MINISTERO
DELLE COMUNICAZIONI

FERROVIE DELLO STATO
DIREZIONE GENERALE

Roma 12 MAG 1945 194 - A

N. ICCA/3206/33

Al N. del

14

- Commissione Alleata
Sottocommissione Trasporti
e p.c.
- Servizio Ferroviario Militare

OGGETTO

Materiali sanitari.

ALLEGATI N. =1=

1) Si fa richiamo alle indicazioni fornite dal Servizio Ferroviario Militare con la lettera A.F.C. 512 in data 25 febbraio.

2) Si trasmette, in allegato alla presente, l'elenco dei medicinali e del materiale di medicazione, occorrenti all'Ufficio Centrale Sanitario di questa Amministrazione per poter rifornire, a mezzo dei competenti Ispettorati Sanitari, i 60 ambulatori medici in funzione nell'Italia liberata.

3) I medicinali in parola dovrebbero, se accordati, essere accantonati presso il Magazzino Economato di Roma.

IL DIRETTORE GENERALE

3379

ae.

0620

Declassified E.O. 12356 Section 3.3/NND No. 785021

Ministry of Transports
I.S.B. General Direction

Subject: Medical items

Date 12 March 1945
ICCA/ 3206/33

Allied Commission
Transportation Sub Commission
f.i. HQ Military Railway Service

1) Reference to informations sent by letter AIO 513 dated 26 February from L.K.-.

2) Herewith attached is the list of medical items required by our Central Medical Office to supply, through concerned Medical Inspectorships, the 50 surgeries located in liberated Italy.

3) The above items, whether granted, should be stored at Magazzino Deposito of Rome.

Director General
signed Di Raimondo

Cs Mg 12/3

list of medical items to be requested by the Units according to para 3 of note 170 dated [illegible] February 1944, from 703rd Railway Shop Battalion

---

Rationals

Acetic acid, small bottles or tins each		30
Ethylic alcohol 60°	Gallon	30
Purified Benzine, for medical use - bottles 1 gallon each		150
Aperient tonics, tablets, tubes or small bottles	"	6
" " phials, boxes	"	30
Quinine, tablets		100
" phials	"	30
Sulphuric ether, bottles 1 gallon	gal	150
Castor oil or other medicinal for wounds bottles each		150
Morphine	gr	300
Cocaine	"	300
Liquid Lanolene	Gallon	30
Penicillin, phials	each	60
Sulphur powder type (tank, tube or small cases	"	60
Anti-lewisen powder, tubes or small cases	"	100
Zinc oxide powder " " " "	"	100
Fehling's reagent, small bottles qt. 100 each		200
" B " " " " " "		3
Saccharine -tablets, tubes	"	30
Sulphacidine, tablets, tubes	"	300
" phials, boxes	"	150
Alcoholic iodic tincture - bottles 1 gallon	"	60

Treatment Items

Adhesive plaster, rolls one inch	"	3000
Hydrophil cotton: packets	"	3000
" gauze bandages, sundry	"	100000
Plastered bandages	"	300
Hydrophile gauze, sterile packets, various measures packages	each	12000

Sundry items for medical use

Syringe, needled, sundry	"	300
Suture needle	"	100
Rubber gloves for surgery, medium pairs	"	60

Declassified E.O. 12356 Section 3.3/NND No. 785021

0 6 3 2 /
Declassified E.O. 12356 Section 3.3/NND No. 785021

3379

Morphine
Cocaine
Liquid laudanum
Codeine, phials
Sulphur powder type - milk, tubes or small vases
Antiseptic powder, tubes or small vases
Zinc oxide powder " " " "
Fehling's reagent, small bottles or tubes
" " " " " "
Saccharine - tablets, tubes
Sulphonaline, tablets, tubes
" -pills, boxes
Alcoholic iodic tincture - bottles

Treatment items

Adhesive plaster, rolls and other
Cotton wool: packages
" gauze bandages, boundry
Plastered bandages
Hydrophile gauze, sterile packets, various measures

Boundry items for medical use
Syringe, needles, boundry
Suture needle
Rubber gloves for surgery, various measure, pairs
Syringes for hypodermic injections: cc. 1/2
" " " " " 1
" " " " " 10
Clinical thermometers
Rubber tube for irrigators, diameter about one centimeter-
Soaps, common

Remark: The above items are required to replace the stocks existing at the Medical Inspectorship of Florence, Ina, Iowa, Arcone, Foglia, Tognia, Bari, Reggio Calabria, Palermo, Catania and Cagliari, that arrange for supplying 30 surgeries thereto also or inured railway-men call at daily, and also 1000 first aid boxes.

[illegible] 10/1

0623

Declassified E.O. 12356 Section 3.3/NND No. 785021

CML/3

TRANSPORTATION SUB-COMMISSION, AC.
(RAIL DIVISION)
c/o Transportation Increment
C.M.F.

Tel. Firebox 11
Ref. AC/146/Tn 4

17 February 45

TO : Director General ISR - Bldg.

SUBJECT : Medical Supplies for the ISR.

1. Reference is made to your six (6) month request for Supplies and in particular to the list of Medical Supplies required.

2. The above mentioned list was forwarded to the Public Health Sub Commission AC. on 20 November 44 requesting an allocation of supplies for a two month period.

3. The Public Health Sub-Commission advise that on 27 Dec. 44 they forwarded the request to the Italian Ministry of the Interior for the attention of the General Director of Public Health.

4. Have you had any information on this subject from the Director of Public Health?

O.H.LINDBERG
Lt.Col. R.E.,
Chief, Rail Division.

3377

CML/ic

TRANSPORTATION SUB-COMMISSION,AC.
(RAIL DIVISION)
C/o Transportation Increment
C.M.F.

Tel. Firebox 11
Ref. AC/Mat/14/3/Tn 4

16 February 45

TO : HQ.AC Economic Sub-Commission
Attn. Major Tooby

SUBJECT : Month Supply Request of ISR.

1. In justification of the six (6) month supply request of the Italian State Railways, only such raw materials have been requested that can be used in the manufacturing of repair parts for locomotives, rolling stock, tools and for other general repair work. The ISR and Contracting Firms are equipped to do this work in their Shops in Liberated Italy. Only such materials and supplies have been requested as are not obtainable in Liberated Italy or will not be obtainable in time to ease present conditions.

2. The total rolling stock of the ISR on 30 August 1943 was 154,727. At present there are only approx. 30,000 cars in running order, in Liberated Italy, this includes all types of cars, foreign and Army rolling stock. This represents only 19,3% of the original inventory for use in Liberated Italy. The heavy Military traffic and ever increasing AC and Civilian traffic requires that existing cars be given light and heavy repairs and that as many war damaged cars be returned to service as soon as possible. The output of repaired cars must be increased to offset any possible loss of equipment as the Army moves north.

3. The total locomotives of ISR on 30 Aug.1943 was 5561, of these only 1507 are reported in Liberated Italy, of which 867 are in running order and 640 require heavy repairs. It is

Declassified E.O. 12356 Section 3.3/NND No. 785021

repair work. The ISR and Contracting Firms are equipped to do this work in their Shops in Liberated Italy. Only such materials and supplies have been requested as are not obtainable in Liberated Italy or will not be obtainable in time to ease present conditions.

2. The total rolling stock of the ISR on 30 August 1943 was 154,727. At present there are only approx. 30,000 cars in running order, in Liberated Italy, this includes all types of cars, foreign and Army rolling stock. This represents only 19,3% of the original inventory for use in Liberated Italy. The heavy Military traffic and ever increasing AC and Civilian traffic requires that existing cars be given light and heavy repairs and that as many war damaged cars be returned to service as soon as possible. The cutput of repaired cars must be increased to offset any possible loss of equipment as the Army moves north.

3. The total locomotives of ISR on 30 Aug.1943 was 5561, of these only 1507 are reported in Liberated Italy, of which 867 are in running order and 640 require heavy repairs. It is necessary that the boiler tubes, tool steel and steel for repairing boilers and fireboxes be furnished to keep present locomotivesin repair and return as many of the heavily damaged locomotives to service as soon as possible.

4. Leather belting for operating machinery in Railway Shops and leathers for locomotive packings,gaskets, etc.were formerly secured from the Magaldi Factory at Buccino. A small amount has been received from this factory but the present output will not permit the ISR to obtain a sufficient supply to put and keep their shops in operation.

././.

Declassified E.O. 12356 Section 3.3/NND No. 785021

5. Tires requested are urgently needed to keep Italian Supervising officers on the line, to keep contractors equipment in condition to do the rehabilitation work, and to return cars and trucks to service which are now idle account of being without tires. During February 1945 the ISR received 45 tires from the Allied Commission. This is approximately 5% of the tires actually needed. The date of the next shipment of tires is indefinite.

6. Trucks and passenger cars are needed to replace worn out and damaged vehicles and those taken by the enemy. It is expected to receive some of this equipment from the Military for urgent present needs, however, this equipment will be practically worn out when received and replacements requested will be needed. Cars are urgently needed for supervisory forces and trucks for the Store Mechanical and Construction departments of the ISR.

7. Oil and greases request for locomotives and cars is based on an estimated locomotive kilometers of 35,000,000 and train kilometers of 25,000,000 for a six (6) month period, which is considered as a reasonable estimate by this Transportation Sub-Commission. The Mechanical Engineer of the Sub-Commission has checked these requests and advises that they are minimum requirements.

8. Timber for repairing cars cannot be obtained by ISR from Military sources. The Agriculture Sub-Commission,AC. is endeavouring to open unrestricted forests to secure a supply for the Railways. It is not known at present what quantities will be furnished or when production will start. Material requested is needed to carry on repair work of rolling stock.

9. The request for batteries is urgent. The battery factory near Naples is under requisition of D.W.Batteries have been sent there for repair and were requisitioned by the Army leaving the Railways in short supply.

10. The Steel I-beams requested are to be used on bridges

Declassified E.O. 12356 Section 3.3/NND No. 785021

7. Oil and greases request for locomotives and cars is based on an estimated locomotive kilometers of 35,000,000 and train kilometers of 25,000,000 for a six (6) month period, which is considered as a reasonable estimate by this Transportation Sub-Commission. The Mechanical Engineer of the Sub-Commission has checked these requests and advises that they are minimum requirements.

8. Timber for repairing cars cannot be obtained by ISR from Military sources. The Agriculture Sub-Commission, AC. is endeavouring to open unrestricted forests to secure a supply for the Railways. It is not known at present what quantities will be furnished or when production will start. Material requested is needed to carry on repair work of rolling stock.

9. The request for batteries is urgent. The battery factory near Naples is under requisition of D.W.Batteries have been sent there for repair and were requisitioned by the Army leaving the Railways in short supply.

10. The Steel I-beams requested are to be used on bridges in opening up railway lines assigned to AC for rehabilitation. The sizes requested are not rolled in Italy at present and will be urgently needed.

11. The 200 kilometers of rails and fastenings ordered will be used to open up important lines assigned to AC. and repair important lines in the vicinity of Florance and Rimini. 3375

Cwif.

O.H.LINDBERG
Lt.Col. R.E.,
Chief, Rail Division.

Declassified E.O. 12356 Section 3.3/NND No. 785021

0628

Declassified E.O. 12356 Section 3.3/NND No. 785021

COPY

HEADQUARTERS ALLIED COMMISSION
APO 394
Public Health Sub-Commission

AC/3072/62/PH

27 December 1944

SUBJECT: - Medical Supplies for Italian State railways.

TO : - Ministry of the Interior
Attn: General Director of Public Health.

1. The Italian State railways have submitted to the Transportation Sub-Commission a list of medical supplies needed by their medical doctors for twenty medical and surgical ambulatories for the next months. This list has been submitted to us for approval.

2. We are submitting this request to your office for consideration.

3. A list of the supplies desired for two months period is attached.

For Brigadier G.S. PARKINSON:

CHARLES D. MACDONALD
Captain, MAC,
Medical Supply Branch.

CMD/ac

Incl. list of medical supplies.

3374

0629

Declassified E.O. 12356 Section 3.3/NND No. 785021

CML/1c

TRANSPORTATION SUB-COMMISSION, AC.
(RAIL DIVISION)
C/o Transportation Increment
C.M.F.

Tel. 843191/11
Our Ref. AC/146/Tn 4

10 February 1945

TO : HQ., AC. APO 394
Attn. Public Health Sub-Comm.

SUBJECT : Medical Supplies for Italian State Railways.

1. Reference AC/146/Tn dated 20 November 1944 for this headquarter above subject.

2. Will you please advise as to the status of the request.

O.H.LINDBERG
Lt.Col. R.E.,
Chief, Rail Division.

3373

0 6 3 6

Declassified E.O. 12356 Section 3.3/NND No. 785021

CML/ic

TRANSPORTATION SUB-COMMISSION, AC.
(RAIL DIVISION)
C/o Transportation Increment
C.M.F.

Tel. Firebox 11
Our Ref. AC/Mat/146 A/Tn 4 8 February 1945

TO : HQ., AC. Director Transportation Sub-Comm. A.P.O. 394

SUBJECT : I.S.R. 1945 Program.

1. Reference your note to check attached ISR 1945 Program, against 1945 Supply request, already in Economic Section.

2. Attached is a list showing material requested, under each section of the list, with notes as to what material has been ordered on our request. The material we have ordered is shown with blue pencil on attached 1945 Program.

3. The 1945 Program as submitted appears to cover the rehabilitation of Italian highway, rail and maritime transportation and not the present needs for 1945.

4. It is suggested that the request be considered on the basis of rehabilitation and the material furnished when the war effort in our countries will permit.

O.H.LINDBERG
Lt.Col. R.E.,
Chief, Rail Division.

3372

0831

Declassified E.O. 12356 Section 3.3/NND No. 785021

CHECK OF OUR REQUISITION AGAINST

1945 PROGRAM

LIST N.	MATERIAL LISTED	MATERIAL ORDERED IN OUR REQN.
I - 1 - a-1	Tires & Tubes	See Note A.
I - 1 - a-2	Rubber materials for Tire Industry	None
I - I - b-1	Truck & Busses	See note B
I - 1 - b-2	Spare parts for Motor Car & Marine engines	None
I - 1-c	Road & Bridge repair - Highway	None
I - 2-a & 3-I-B	(Private owned Railways) Town Trams, Busses & Trolleys	None
I - 3-a - 2	Maritime Transports	None
I - 3-b	Equipment for Porta	None
I - 5	Post-Telegraph-Telephone Equipment	See Not. C

"A" Tires requested on our requisition are shown with blue pencil, opposite sizes on attached list, I-1-a-1.

"B" Trucks and passenger cars ordered on our requisition are shown with blue pencil on attached list I-1-b-1.

"C" Wires & cables ordered on our requisition are shown with blue pencil on attached list I-5 .

C.N.KUNG
Major C.E.
5-2-45

3371

0632

Declassified E.O. 12356 Section 3.3/NND No. 785021

C.M.L/em

TRANSPORTATION SUB-COMMISSION, A.C.,
(RAIL SECTION)
C/o. Transportation Increment,
C.M.F.

Tel/ Firebox 11 (14) 28 December 1944

Our Ref. : AC.Mat/10/1/Tn.

TO : Major STREET, Engineer,
Tn. Sub-Comm., Rails.

SUBJECT : Stores for next 6 months.

1. Reference you letter of 27th Dec. 1944 above subject requesting list of rolled steel joists be included in six (6) months supply request.

2. Please advise the specific use for which the joists are to be used as this information must be given for each item.

C.M. LONG,
Capt. T.C.,
Tn. Sub-Comm., A.C.

337

Declassified E.O. 12356 Section 3.3/NND No. 785021

HEADQUARTERS ALLIED COMMISSION
APO 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.

O.H.Lindberg. Lt.Col.
O.H.LINDBERG, LT.COL.R.E.
Tn SUB COMMISSION
RAILS.

3369

0634

Declassified E.O. 12356 Section 3.3/NND No. 785021

FILE

HEADQUARTERS
ALLIED COMMISSION
TRANSPORTATION SUB-COMMISSION
APO 394

CML/reb
10 December 1944

SUBJECT: Materials to be Imported from Abroad for Italian State Railway.

TO : Lt. Col. C.M. Lindberg D.C. Transportation Sub-Commission, A.C. Building.

1. There is attached a new list of materials required by the Italian State Railways for a six-month period. The request covers that part of Italy south of the line between Viareggio and Rimini, including Sicily and Sardinia.

2. The lists comprise the following:

(a) Raw materials and products, which having always been purchased abroad cannot be supplied by the Italian Industry.

(b) Products with which liberated Italy cannot be provided, as Italian Industries equipped for their production, are only situated in Northern Italy.

(c) Products which might be secured even in Liberated Italy, had not the Factories been destroyed through War action or are now requisitioned for use of Allied Forces exclusively.

3. This request has been greatly reduced from the one submitted in July 1944. It does not contain manufactured car and engine parts but does contain raw material for the making of these parts in Italy.

4. I do not approve of the requests in List No 1 for writing, adding and calculating machines, watches and shoes. Shoes are now being provided by the Allied Forces to the Italian State Railway and as they are rationed in UK and U.S. it would not be the policy to order them. The request for rolling stock as shown in List No 7 is not approved as I do not believe it is a requirement of the next six months. This remainder of the List is approved, subject to your screening.

5. I am attaching several letters I have found in files bearing on the subject of this letter, from the Director General of the Italian State Railway but I have been unable to find the replies to any of these letters.

6. The Italian State Railways have been instructed to write specifications for any material requiring it; To furnish descriptions of material and where necessary to furnish blue prints so that there will be no delay when the request is approved and sent to the Requisitioning Section.

3303

C.M. LONG
Capt., TC
Transportation Sub-Commission

A. 13/2152/32

14

Servizio Approvv.ti

DIREZIONE GENERALE F.F.S.S.

Oggetto: Materiali da importare dall'estero.

R O M A

Alleg.

1° - Si fa riferimento alla richiesta di un nuovo elenco di materiali occorrenti alle Ferrovie Italiane dello Stato per un semestre o per un esercizio limitato, sulle linee dell'Italia liberata (a sud della linea Viareggio-Rimini).

2° - Gli elenchi che sono già stati in parte consegnati agli Uffici di cotesta Direzione Generale comprendono:

a) Materie prime e prodotti che non possono essere forniti dall'industria italiana perchè acquistati sempre all'estero;

b) prodotti che non possono essere approvvigionati nell'Italia liberata, perchè le industrie italiane attrezzate per la loro produzione si trovano solo nel Nord - Italia;

c) prodotti che potrebbero ottenersi anche nell'Italia liberata, ma le cui fabbriche sono inefficienti per cause di guerra o sono requisite per uso esclusivo delle Forze armate alleate.

Declassified E.O. 12356 Section 3.3/NND No. 785021

Alleg.

1° - Si fa riferimento alla richiesta di un nuovo elenco di materiali occorrenti alle Ferrovie Italiane dello Stato per un semestre o per un esercizio limitato, sulle linee dell'Italia liberata (a sud della linea Viareggio-Rimini).

2° - Gli elenchi che sono già stati in parte consegnati agli Uffici di codesta Direzione Generale comprendono:

a) Materie prime e prodotti che non possono essere forniti dall'industria italiana perchè acquistati sempre all'estero;

b) prodotti che non possono essere approvvigionati nell'Italia liberata, perchè le industrie italiane attrezzate per la loro produzione si trovano solo nel Nord - Italia;

c) prodotti che potrebbero ottenersi anche nell'Italia liberata, ma le cui fabbriche sono inefficienti per cause di guerra o sono requisite per uso esclusivo delle Forze armate alleate.

3° - Per questi ultimi prodotti si sono indicate le Ditte che potrebbero fornirli e in breve le ragioni che non permettono di fare affidamento sulla loro produzione.

4° - Nella richiesta di materie prime e di semilavorati si sono esclusi quelli di produzione nazionale come il piombo e lo zinco, ma si sono compresi quelli che la produzione nazionale non può fornire in quantità sufficiente come i legnami ed alcuni prodotti che occorrerebbero di maggiore urgenza come il binario completo, e alcune partite di cavi e corde di rame, per la parte che l'industria nazionale non potrebbe fornire nel tempo previsto.

IL DIRETTORE GENERALE

Declassified E.O. 12356 Section 3.3/NND No. 795021

0637

Declassified E.O. 12356 Section 3.3/NND No. 785021

FILE

Allied Commission
Transportation Sub-Commission
APO 394

CTC/reb
APO 512
7 December 1944

SUBJECT: Materials to be Imported from Abroad.

TO : Director General, Italian State Railway Building.
ATTN: Ing. Bracci, Stores.

1. Referring to your letter of 10 November 1944, file A. 13/2152/32, addressed to Director General Military Railway Service, above subject.

2. It is requested that you furnish specifications for all material where required and descriptions where necessary so the requests when approved may be sent to our Requisitioning Section. Where material etc. cannot be fully described it will be necessary to furnish drawings in five (5) copies to attach to our requisitions.

3. This should be done promptly so there will be no delay in the ordering of the materials.

For Colonel Lindberg:

C.M. LONG
Capt., TC
Stores Section

3366

0638

Declassified E.O. 12356 Section 3.3/NND No. 785021

CML/lo

14

TRANSPORTATION SUB-COMMISSION(AC)
(RAIL SECTION)
C/o Transportation Increment,
P.A.F.

Tel: 64X/07
Our Reference: AC/140/Tn

20 November 44.

TO : Allied Commission Hq. APO 394, U.S.ARMY
Attn: Public Health Sub-Commission

SUBJECT : Medical Supplies for Italian State Railways.

1. The Italian State Railways have submitted to the Transportation Sub-Commission a list of medicaments, medication material and supplies needed by their surgeons for the next six months.

2. As it is not possible for us to requisition these supplies from abroad, we are submitting the request to you for an allocation of these needed sanitary materials to the Italian State Railways.

3. It is recommended that a two month supply of these materials be made available to the Italian State Railways as shown on list attached.

C.R.LINDBERG
Lt.Col. R.A.,
Chief, Rail Section

Enclosed List N.S

3365

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.

Declassified E.O. 12356 Section 3.3/NND No. 785021

0640

Declassified E.O. 12356 Section 3.3/NND No. 785021

Sanitary material for operation of Surgeon's

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

MEDICINALS

		6 months		60 days	
Hydrogen peroxide water, 100 gramme bottles	n.	200		65	
Purified benzoline	Kg.	150	Lbs.	100	
Hypocloride calcium intablets for Dakin liquid, in small tubes	n.	200		65	
Sulphuric ether	liters.	30	Pints	10	
Caffeine solution, phials boxes	n.	150		50	
Novocaine solution "	"	100		35	
Ergotine " "	"	100		35	
Morphina " "	"	150		50	
Camphorated oil "	"	200		65	
Glycerin	Kg.	20	Lbs.	15	
Iodine tincture	"	30	"	20	
Iodine tincture in phials, boxes	N.	600		200	
Boracic Vaseline	Kg.	20	Lbs	15	
Polivalent antipiogen ointment in tubes	n.	150		50	

MEDICATION MATERIAL

Bandages for shoulder dislocation	n.	350		100

Declassified E.O. 12356 Section 3.3/NND No. 785021

Novocaine solution	"	"	100	35
Ergotine "	"	"	150	50
Morphina "	"	"	200	65
Camphorated oil		Kg.	20 Lbs.	15
Glycerin		"	30 "	20
Iodine tincture		N.	600	200
Iodine tincture in phials, boxes		Kg.	20 Lbs	15
Boracic vaseline		n.	150	50
Polivalent antiphlogen ointment in tubes				

MEDICATION MATERIAL

Bandages for shoulder dislocation	n.	350	100
Hydrophilus ganze bandages 5x5 cm.	n	20000	6500
" " " 5x10 cm.	"	15000	5000
" " " 5x15 cm.	"	10000	3000
Starched bandage	"	350	100
Hydrophilus cotton, 100 grammes packages	"	6000	2000
" " 50 " "	"	10000	3000
" " 25 " "	"	10000	3000
Adhesive plaster, 2x5 centimeters, rollers	"	350	150
Hydrophilus ganze, 10x10 compresses, packages 100 each	"	10000	3000
Hydrophilus ganze, 1 meter	"	6000	2000

Declassified E.O. 12356 Section 3.3/NND No. 785021

SUNDRIES

		6 months	60 days
Assorted syringe needles	n.	600	200
" suture "	"	150	50
Compressing cords	"	150	50
Rubber gloves, pairs	"	40	15
Alcohol glass lamps	"	60	24
Aseptic silk, tubes	"	50	15
Hypodermic syringes, 2 cubic centimeters	"	300	100
" " 5 " "	"	100	35
" " 10 " "	"	80	30
Clinical thermometers	"	200	65

Declassified E.O. 12356 Section 3.3/NND No. 785021

Declassified E.O. 12356 Section 3.3/NND No. 785021

0 0 4 4

C3333

Hypodermic syringes, 2 cubic centimetre
" " 5 " " " 100 "
" " 10 " " " 80 "
" " " " " " 200 "
Glazed thermometers

me 11 August 1944
our reference : PAG/T.Mat.5/
55560

Rif.to APO/400 del 24/-7/944

TRANSLATION
ITALIAN STATE RAILWAYS
MATERIAL AND TRACTION OFFICE

SUBJECT:

Foreign materials importation

TO GENERAL DIRECTION
MILITARY RAILWAY SERVICE
R O M E

14

Assurance is given that, as concerns the setting of a new list for materials to be imported from abroad (the recently liberated regions also included), we have already begun suitable research and coordination works.

In order to avoid equivocations or differences of opinions, and to perform the works, according to your intention, we beg you to determine the matters hereafter:

1) To know your opinion about the first list already submitted in Naples -

2) To determine, whether are to be considered only the present management and the now efficient plants and rolling stock's maintenance, or also the requirements connected with a partial and progressive improvement and amplification in the next six months management-

3) To clear up whether are to be requested only ready manufactured articles and objects (as the models used by ourselves) or also raw materials or semi-manufactured products to be wrought in Italy; considering, of course, the present production capacity of the factories located in the liberated Italy (southward of the Pisa-Firenze-Ancona line).

4) To determine in such last case whether the factories could be authorized to work according to our orders.

5) To confirm the area to be considered might be limited, for the

Declassified E.O. 12356 Section 3.3/NND No. 785021

regions also included), we have already begun suitable research and coordination works.

In order to avoid equivocations or differences of opinions, and to perform the works, according to your intention, we beg you to determine the matters hereafter:

1) To know your opinion about the first list already submitted in Naples -

2) To determine, whether are to be considered only the present management and the new efficient plants and rolling stock's maintenance, or also the requirements connected with a partial and progressive improvement and amplification in the next six months management-

3) To clear up whether are to be requested only ready manufactured articles and objects (as the models used by ourselves) or also raw materials or semi-manufactured products to be wrought in Italy; considering, of course, the present production capacity of the factories located in the liberated Italy (southward of the Pisa-Firenze-Ancona line).

4) To determine in such last case whether the factories could be authorized to work according to our orders.

5) To confirm the area to be considered might be limited, for the moment, to the regionsplaced southward of the Pisa-Firenze-Ancona line (these 3 towns included).

Assurance is given that the new list will be made with the utmost rapidity.

The General Director

3361

Declassified E.O. 12356 Section 3.3/NND No. 783021

0647

Declassified E.O. 12356 Section 3.3/NND No. 785021

Copia

MINISTERO
DELLE COMUNICAZION

FERROVIE DELLO STATO
DIREZIONE GENERALE

Roma, li 1 - 8 1944-A

PAG/T.Mat.5/

Al N. A P 0 400 del 24.7.1944

Ufficio Materiale e Trazione

OGGETTO

Importazione di materiale dall'estero.

ALLA DIREZIONE GENERALE M R S
R O M A

ALLEGATI N.

In merito alla richiesta di compilazione di un nuovo elenco dei materiali da importare dall'estero, comprendente anche le regioni recentemente liberate, mentre si dà assicurazione di avere già iniziato il lavoro di ricerca e di coordinamento, allo scopo di evitare equivoci o disuniformità di pareri e di eseguire il lavoro in modo corrispondente ai Vostri intendimenti, Vi preghiamo di precisare i seguenti punti:

1°) Conoscere il Vostro giudizio sul primo elenco già presentato a Napoli;

2°) Precisare se si debba considerare soltanto l'esercizio attuale e la manutenzione degli impianti e del materiale mobile attualmente efficienti, oppure tener conto anche delle esigenze relative ad un parziale progressivo miglioramento ed ampliamento dell'esercizio nel prossimo semestre.

3°) Chiarire se si debbano richiedere soltanto oggetti e manufatti pronti dei modelli in uso da noi, oppure anche materie prime o semilavorati per la lavorazione in Italia tenendo conto naturalmente delle attuali possibilità di produzione degli stabilimenti nell'Italia Liberata (a Sud della linea Pisa-Firenze-Ancona).

3380

L.G.

./.

Declassified E.O. 12356 Section 3.3/NND No. 785021

4°) In quest'ultimo caso precisare se le fabbriche potranno essere autorizzate a lavorare per le nostre ordinazioni :

5°) Confermare che l'estensione del territorio da considerare potrà essere limitato, per ora alla parte a sud della linea Pisa-Firenze-Ancona, queste città comprese.

Si assicura che i nuovi elenchi saranno compilati con tutta la sollecitudine possibile.

IL DIRETTORE GENERALE

Dr. De Francesco

0649

Declassified E.O. 12356 Section 3.3/NND No. 785021

Memo for Col. Vining:

As directed, reviewed Stores position on shipping eye..and not list of urgently needed materials: much reduced in both quantities and number of items from two previously presented.

Have discussed with Major Walker, and at his suggestion have written attd memo. He will now go to work on matter and expressed belief that majority of needs can be met.

Made it clear to Dr. Tuccio and his people that "austerity" must be their watchword, emphasizing fact that materials can be obtained only with difficulty.

Once we see how supply of items on attached list can be complied we should request the railways to make up a list of minimum requirements for 1st six months of 1945.

After noting, please return to me, with any comments, so that I can confer with Major Walker.

7/6/1944

Lt. Colonel

ND

What period does this list cover.?

14

0650

Declassified E.O. 12356 Section 3.3/NND No. 785021

MEMORANDUM FOR MAJOR. S. WALKER.- STORES DIVISION. 7 JUNE 44

SUBJECT : Stores for Sicilian Railways.

1. On recent trips to Sicily, Lieut.Col. Brown reveiwed matter of materials required for next six months operation. Drastic reductions were made, in both quantity and number of items, from list originally submitted by I.S.R. Sicily.

2. Lieut.Col. Brown made arrangments with U.S. Navy, now operating Palermo Navy Yard, to release to the railways considerable quantities of rivets, bolts and nuts, plate and structural steel, some of which has already been taken over by railways, with more being moved to latter's central store.

3. The attached list,in four (4) copies, give what is considered absolute minimum requirements. Of major importance are items of belting, tool steel and small hand tools. Much belting and tool steel was stolen by the retreating Germans and hand tools fell to both German and Allied troops. With these supplied, railways can do much to help themselves in reworking materials.

4. In patterns left at Palermo Navy Yard there were located quantity of I.S.R. patterns for locomotive parts, Navy Yard can make both iron and brass casting. No list of patterns has yet been located but instructions have been issued to prepare quickly. This is noted for your information in connection with possibilities of obtaining castings for other sections of I.S.R.

5. I.S.R. Sicily handles major portion of stores through a well equipped storehouse at Palermo - Lolli. Your suggestions in how best to move any of materials in attached list, which you may be able to obtain, to Palermo are desired.

6. Suggestion has been made to I.S.R. Sicily to institute a vigorous salvage and reclaimation campaign. Capo Compartimento Tuccio accepted this and promised action. While it is not expected this will yeild any large quantities of materials in attached lists, it should provide many car parts, wheels, coupling devices and the like.

7. Railways have now been thoroughly impressed with need to help themselves in every way possible.

C.G. BROWN,
Lieut-Colonel.

1 HC Records Boys (signed copy -
15-18T - Rails (Hodge pogo)
10-12T - Plate - 1/2" & Heavier (mostly 5/8 & 3/4)
25 T - Bolts & S
few - Z bars
2 - B3/s - 3/8 Plate - Reg. 4x4
Some stock in Navy Yd Store Hse - Rivets

2359
Lbrd

S I C I L I A N R A I L W A Y

P A L E R M O

•$$$$$$$$$$$$$$$$$$$$$$$$$$$$$•

V E R Y U R G E N T M A T E R I A L R E Q U I S I T I O N

(All Bolts and Nuts Universal Standard Threads)

• $$$$$$$$ •

PALERMO, 31 Maggio 1944

Declassified E.O. 12356 Section 3.3/NND No. 785021

VERY URGENT MATERIAL REQUISITION

(All Bolts and Nuts Universal Standard Threads)

. $$$$$$$$.

PALERMO, 31 Maggio 1944

A/U

3358

Declassified E.O. 12356 Section 3.3/NND No. 785021

I R O N M A T E R I A L , V A R I O U S

Steel, raw, wire of	1/16 "	Kgs. 25
do.	3/16 "	" 25
do.	1/4 "	" 100
do.	3/8 "	" 50
M. Steel, bars, round	3/8 "	" 400
do.	1/2 "	" 500
do.	5/8 "	" 1000
do.	11/16 "	" 1000
do.	3/4 "	" 1000
do.	7/8 "	" 1000
do.	1 "	" 1000
do.	1.1/8"	" 1000
do.	1.3/16"	" 1000
do.	1.3/8"	" 1000
do.	1.9/16"	" 1000
dd.	1.11/16"	" 1000
do.	1.3/3 "	" 2000
do.	2 "	" 1000
do.	2.3/8"	" 1000
do.	2.3/4"	" 1000
do.	3.1/8"	" 1000
do.	3.1/2"	" 1500
do.	3.15/16"	" 1500

Declassified E.O. 12356 Section 3.3/NND No. 785021

do.	3/4 "	" 1000
do.	7/8 "	" 1000
do.	1 "	" 1000
do.	1.1/8"	" 1000
do.	1.3/16".	" 1000
do.	1.3/8"	" 1000
do.	1.9/16".	" 1000
dd.	1.11/16"	" 1000
do.	1.3/3 "	" 2000
do.	2 "	" 1000
do.	2.3/8"	" 1000
do.	2.3/4"	" 1000
do.	3.1/8"	" 1000
do.	3.1/2"	" 1500
do.	3.15/16"	" 1500
M. Steel, bars, square	1"	" 500
do.	1.1/4 ".	" 500
do.	1.1/8 ".	" 1000
M. Steel, bars, rectangular	13/16" x 1/8"	" 1000
do.	1.3/8" x 3/16".	" 500
do.	1.9/16"x 3/16".	"1000
do.	1.9/16"x 3/8"	" 500
do.	2" x 3/16"	" 500
do.	2" x 1/2 "	" 1500

Declassified E.O. 12356 Section 3.3/NND No. 785021

M.Steel, bars, rectangular	2.3/4" x 1"	Kgs.	1500
do.	4.15/16" x 5/8"	"	500
M? Steel, bars, hex.	7/8"	"	200
DO.	~~1x1~~ 1.1/4"	"	200
do.	1.1/2"	"	200
do.	1.7/8"	"	500
M.Steel, plates, smooth, for springs	3.15/16" x 1/2"	"	500
do.	4.3/4" x 1/2"	"	500
do.	5.1/8" x 5/8"	"	500
M.Steel, frame braces, even sides	1.9/16" x 3/16"	"	300
do.	2" x 3/16"	"	500
do.	2.3/8" x 1/4"	"	500
do.	2.3/4" x 5/16"	"	200
do.	3" x 9/16"	"	200
do.	3.3/16" x 5/16"	"	200
do.	3.3/16" x 3/8"	"	1000
do.	3.9/16" x 3/8"	"	800
do.	3.15/15" x 1/2"	"	1500
do.	3.3/8 " x 3/8"	"	800
do.	3.3/8" x 9/16"	"	500
do.	4.3/4" x 1/2 "	"	500
do.	4.3/4" x 11/16"	"	800
M.Steel, frame braces, odd sides	1.9/16" x 2.3/8" x 1/4"	"	1000
do.	2 " x 2.9/16" x 5/16"	"	500

Declassified E.O. 12356 Section 3.3/NND No. 785021

M.Steel, frame braces, even sides	1.9/16"	x 3/16"	"	300
do.	2"	x 3/16"	"	500
do.	2.3/8"	x 1/4"	"	500
do.	2.3/4"	x 5/16"	"	200
do.	3"	x 9/16"	"	200
do.	3.3/16"	x 5/16"	"	200
do.	3.3/16"	x 3/8"	"	1000
do.	3.9/16"	x 3/8"	"	800
do.	3.15/15"	x 1/2"	"	1500
do.	3.3/8 "	x 3/8"	"	800
do.	3.3/8"	x 9/16"	"	500
do.	4.3/4"	x 1/2 "	"	500
do.	4.3/4"	x 11/16"	"	800
M.Steel, frame braces, odd sides	1.9/16"	x 2.3/8" x 1/4"	"	1000
do.	2 "	x 2.9/16" x 5/16"	"	500
do.	2 "	x 3 " x 5/16"	"	500
do.	2.9/16"	x 5.1/8" x 7/16"	"	500
do.	3"	x 3.15/16" x 3/8"	"	500
do.	3.3/16"	x 4.3/4" x 1/2"	"	500
do.	3.9/16"	x 5.1/8" x 9/16"	"	500
do.	3.15/16"	x 5.15/16" x 9/16"	N°	500
Tin, sheets, simple	2' x 3'		N°	200
" " double	2' x 4'		"	200
M. Steel, plate	1/16"		"	100
" tubing	1.1/2"	x 5/16"	33 Kgs.	200
do.	1.3/4"	x 5/16"	"	500
do.	2.1/4"	x 3/8"	"	500
do.	3"	x 11/16"	"	500

Declassified E.O. 12356 Section 3.3/NND No. 785021

Steel, tubing	3.5/16" x 5/8"	Kgs.	500
do.	3.3/4" x 9/16"	"	500
do.	4.1/4" x 9/16"	"	500
do.	5.1/2" x 1.1/16"	"	200
M. Steel, tubing for boiler tube ends	1.3/4" x 1.9/16"	N°	50
do.	2" x 1.13/15"	"	50
do.	2.1/16" x 1.7/8"	"	150
do.	5.1/4" x 4.15/16"	"	50
Rivets, Mild steel, small round head	7/8" x 2.3/16"	Kgs.	1000
do.	7/8" x 2.3/8"	"	1000
do.	7/8" x 2.9/16"	"	1000
do.	7/8" x 2.3/4"	"	1000
do.	7/8" x 2.15/16"	"	1000
do.	7/8" x 3.3/16"	"	1000
do.	7/8" x 3.3/8"	"	1000
do.	7/8" x 3.9/16"	"	1000
do.	7/8" x 3.15/16"	"	1000
do.	7/8" x 4.5/16"	"	1000
do.	7/8" x 4.3/4"	"	1000
do.	5/8" x 1.3/8"	"	200
do.	5/8" x 3.3/16"	"	200
do.	3/4" x 2.9/16"	"	200
do.	3/4" x 3.3/8"	"	200
do. round, large head	5/8" x 1.3/8"	"	200
do.	11/16" x 2.3/4"	"	100

Declassified E.O. 12356 Section 3.3/NND No. 785021

do.	7/8"	x 2.3/4" "	1000
do.	7/8"	x 2.15/16" "	1000
do.	7/8"	x 3.3/16" "	1000
do.	7/8"	x 3.3/8" "	1000
do.	7/8"	x 3.9/16" "	1000
do.	7/8"	x 3.15/16" "	1000
do.	7/8"	x 4.5/16" "	1000
do.	7/8"	x 4.3/4" "	1000
do.	5/8"	x 1.3/8" "	200
do.	5/8"	x 3.3/16" "	200
do.	3/4"	x 2.9/16" "	200
do.	3/4"	x 3.3/8" "	200
do. round, large head	5/8"	x 1.3/8" "	200
do.	11/16"	x 2.3/4" "	100
do.	11/16"	x 3.3/16" "	100
do.	3/4"	x 3.9/16" "	100
do.	3/4"	x 3.3/8 " "	100
do.	13/16"	x 2.3/16" "	100
do.	13/16"	x 2.15/16" "	100
do.	13/16"	x 3.3/8 " "	100
do.	13/16"	x 3.9/16" "	100
do.	13/16"	x 3.15/16" "	100
do.	13/16"	x 4.3/4" "	100
do.	13/16"	x 5.1/6" "	100

2355

Declassified E.O. 12356 Section 3.3/NND No. 785021

Rivets, soft iron, round, head	1/8" x 3/8"	Kgs. 50
do.	1/8" x 3/4"	" 50
do.	3/16"x 3/8"	" 50
do.	3/16"x 3/4"	" 50
do.	3/16"x 1"	" 100
Nuts, hex., black finish steel, plain	1/4"	" 50
do.	5/16"	" 50
do.	3/8 "	" 100
do.	1/2 "	" 200
do.	5/6"	" 300
do.	3/4 "	" 300
do.	7/8"	" 500
do.	1 "	" 500
do.	1.1/8"	" 400
do.	1.1/4"	" 300
do.	1.3/8"	" 100
do.	1.1/2"	" 200

Key bolts, black finish steel, complete hex. head

	dia.	length	Threaded length	
hex nut	1/4" x	1.3/16" x	1"	Kgs.100
do.	1/4" x	1.9/16" x	"	" 200
do.	1/4" x	2.3/8" x	"	" 200
do.	5/16"x	1 " x	1"	" 200
do.	5/16"x	1.9/16" x	1.3/16"	" 300

Declassified E.O. 12356 Section 3.3/NND No. 785021

do.	3/4 "	"	300
do.	7/8"	"	500
do.	1 "	"	500
do.	1.1/8"	"	400
do.	1.1/4"	"	300
do.	1.3/8"	"	100
do.	1.1/2"	"	200

Key bolts, black finish" steel, complete hex. head

	dia.	length	Threaded length	
hex nut	1/4" x	1.3/16" x	1"	Kgs. 100
do.	1/4" x	1.9/16" x	"	" 200
do.	1/4" x	2.3/8" x	"	" 200
do.	5/16" x	1 " x	1"	" 200
do.	5/16" x	1.9/16" x	1.3/16"	" 300
do.	5/16" x	2.3/8" x	1.3/16"	" 300
do.	3/8" x	1.9/16" x	1.9/16"	" 500
do.	3/8" x	2" x	1.1/2 "	" 500
do.	3/8" x	2.3/8" x	1.1/2"	" 200
do.	3/8" x	3.3/16" x	1/2"	" 200
do.	1/2" x	2.3/4" x	1.3/4"	" 200
do.	5/8" x	2" x	2"	" 200
do.	5/8" x	2.3/4" x	2"	" 800
do.	5/8" x	2.3/8" x	2.3/8"	" 500
do.	5/8" x	3.3/16" x	2"	" 200
do.	13/16" x	2.3/4" x	2.3/4"	" 500
do.	13/16" x	3.3/16" x	2.3/8"	" 500

Universal Standard threads

Declassified E.O. 12356 Section 3.3/NND No. 785021

Key bolts, black finish, steel, complete hex head,

	dia.	length	Threaded length	
hex nut	15/16" x	2.3/8" x	2.3/8"	Kgs. 500
do.	15/16" x	3.15/16" x	2.3/4"	" 500

(Universal Standard threads)

Bolts, rax steel, complete, square head	3/8" x 2" x 1.1/2"	"	100
do.	1/2"x2.3/8"x1.3/4"	"	100
Bolts, raw steel, complete, round head	1/2"x2.3/8"x1.3/4"	"	200
Bolts, counter sunk head	5/8"x5.1/2"x2"	"	100
Bolts, hook, rectangular head	3/8"x2" x 1.1/2"	"	100
do.	1/2"x2.3/8"x1.3/4"	"	500
do.	1/2"x3.3/16"x1.3/4"		400
Bolt, hook, hex, head	1/4"x1.3/16"x3/16"	"	50
do.	1/4"x2.3/8" x3/16"	"	50
do.	5/16"x2.3/8"x1"	"	50
do.	3/8" x1.9/16"x1/4"	"	50
do.	3/8" x2" x 1/4"	"	50
do.	3/8" x2.3/8"x1.1/4"		50

Bolts, black finish steel, complete hex. head

hex nut.	3/8" x 3.3/16" x 1/4"	"	50
do.	3/8" x 3.15/16"x 1.3/16"	"	50
do.	1/2" x 3.3/16" x 1.1/2"	"	100
do.	1/2" x 4.3/4" x 1.3/4"	"	100

Declassified E.O. 12356 Section 3.3/NND No. 785021

Bolt, hook, hex, head	1/4"x1.3/16"x3/16"	"	50
do.	1/4"x2.3/8" x3/16"	"	50
do.	5/16"x2.3/8"x1"	"	50
do.	3/8" x1.9/16"x1/4"	"	50
do.	3/8" x2" x 1/4"	"	50
do.	3/8" x2.3/8"x1.1/4"		50
Bolts, black finish steel, complete hex. head			
hex nut.	3/8" x 3.3/16" x 1/4"	"	50
do.	3/8" x 3.15/16"x 1.3/16"	"	50
do.	1/2" x 3.3/16" x 1.1/2"	"	100
do.	1/2" x 4.3/4" x 1.3/4"	"	100
do.	5/16"x 1.3/16" x 1"	"	40
do.	5/16"x 3.3/16" x 1"	"	40
do.	3/8" x 3.5/16" x 1.1/2"	"	50
do.	5/8" x 3.9/16" x 1.3/4"	"	50
do.	5/8" x 4.5/16" x 2"	"	50
do.	5/8" x 4.3/4" x 2"	"	50
do.	5/8" x 5.15/16"x 2"	"	50
Cotter pins, steel, for bolts	1/16"x 5/16"	"	50
do.	1/16" x 13/16"	"	50
do.	1/8" x 1.3/16"	"	500
do.	1/8" x 2.3/16"	"	100

Declassified E.O. 12356 Section 3.3/NND No. 785021

Cotter pins, steel, for bolts,	1/8" x 1.9/16"	Kgs.	100
do.	1/8" x 2.3/8"	"	100
do.	3/16"x 1.15/16"	"	100
do.	3/16"x 2.3/8"	"	100
do.	3/16"x 3.1/8"	"	100
do.	1/4" x 2.3/8"	"	200
do.	1/4" x 2.3/4"	"	200
do.	1/4" x 2.9/16"	"	200
do.	1/4" x 3.5/16"	"	200
do.	1/4" x 3.9/16"	"	100
do.	5/16"x 3.9/16"	"	200
do.	5/16"x 4.5/16"	"	300
do.	3/8" x 3.15/16"	"	200
Screws, steel, for wood, round head	1/8" x 1.3/16"	grösses	20
do.	3/16"x 1"	"	50
do.	3/16"x 1,3/8"	"	100
Screws, flat head (wood)	1/16"x 3/8"	"	20
do.	1/16"x 5/8"	"	20
do.	1/16"x 3/16"	"	20
do.	1/8 "x 5/8"	"	20
do.	1/8" x 13/16"	"	100
do.	1/8" x 1"	"	20
do.	1/8" x 1.3/16"	"	20
do.	1/8" x 1.3/8"	"	20
do.	1/8" x 1.9/16"	"	20
do.	3/16" x 1.3/16"	"	100

Declassified E.O. 12356 Section 3.3/NND No. 785021

do.	3/8" x 3.15/16"		
Screws, steel, for wood, round head	1/8" x 1.3/16"	grösses	20
do.	3/16"x 1"	"	50
do.	3/16"x 1,3/8"	"	100
Screws, flat head (wood)	1/16"x 3/8"	"	20
do.	1/16"x 5/8"	"	20
do.	1/16"x 3/16"	"	20
do.	1/8 "x 5/8"	"	20
do.	1/8" x 13/16"	"	100
do.	1/8" x 1"	"	20
do.	1/8" x 1.3/16"	"	20
do.	1/8" x 1.3/8"	"	20
do.	1/8" x 1.9/16"	"	20
do.	3/16" x 1.3/16"	"	100
do.	3/16" x 1.9/16"	"	100
do.	3/16" x 1.15/16"	"	200
Screws, wood, square head	3/8 " x 2.3/8"	"	300
do.	3/8" x 3.3/16"	"	400
Screws, steel, for metals,flat head	1/4"	Kgs.	10
do.	1/8"	"	10
do.	3/16"	"	10
do.	3/8 "	"	10
Tacks, flat head	1/16" x 5/8"	"	100
do.	1/16" x 1"	"	100

Declassified E.O. 12356 Section 3.3/NND No. 735021

Tacks, flat head	1/16" x 1.3/8"	Kgs.	100
do.	1/16" x 1.1/16"	"	300
DO.	1/8 " x 2"	"	200
do.	1/8" x 2.3/4"	"	200
do.	3/16" x 3.15/16"	"	200
Tacks, round head	1/16" x 5/8"	"	25
do.	1/16" x 1.3/16"	"	25
do.	1/8 " x 2.3/4"	"	25
Tacks, cone head	1/16" x 3/8"	"	50
do.	1/16" x 9/16"	"	50
do.	1/16" x 1"	"	100

WESTINGHOUSE SPARE PARTS

(Reference W.H.B. - Spare Catalogue, Italian Edition, Turin, 1909, and subsequent additions)

Top head complete, of steam cylinder, air pump	Tab.V^{c} - 60	Nº 5
Valve, distribution, air pump Tupe F.	Tab.V^{c} - 65	" 25
Slide valve rod (tandem pompe)	Tab.174- 83	" 50
Packings, piston threefold valves ordinary	Tab.VIII-10	" 40
" , rings, " high speed	Tab.109- 9	"100
" large " " "	Tab.109- 10	" 40
Diaphragm, feed valve	Tab.110^{h}-13	" 50

Declassified E.O. 12356 Section 3.3/NND No. 782021

do.	1/16" x 1"	" 100

WESTINGHOUSE SPARE PARTS

(Reference M.H.B. - Spare Catalogue, Italian Edition, Turin, 1909, and subsequent additions)

Top head complete, of steam cylinder, air pump	Tab.V^{c} - 60	N° 5
Valve, distribution, air pump Tupe F.	Tab.V^{c} - 65	" 25
Slide valve rod (tandem pompe)	Tab.174- 83	" 50
Packings, piston threefold valves ordinary	Tab.VIII-10	" 40
" , rings, " high speed	Tab.109- 9	"100
" large " " "	Tab.109- 10	" 40
Diaphragm, feed valve	Tab.110^{h}-13	" 50
Gaskets, rubber, for coupled head 1"	Tab.XI - 3	"1000
do.	Tab/111- 3	" 300
Hose ft. 2 x 1.3/4" x 1.1/8" (mm.610x45x28)	Tab.XI - 5	" 300
" " 3 x 1.3/4" x 1.1/8" (" 760x45x28)	Tab.XI^{a}- 4	" 300
Springs, piston, non authomatic brake	Tab.XXVII-9	" 50
Gaskets, leather, small, threefond valve, high speed	Tab.109 - 15	" 100
" "for conduit valve, high speed, 6", 8", 10"	Tab.XXXI- 23^{c}	" 120
Hose for ordinary coupling 2"x1.3/4" x1.1/8" (m/m. 610 x 45 x 28)		"1000

3351

Declassified E.O. 12356 Section 3.3/NND No. 785021

MATERIAL FOR OXY-ACET WELDING

Steel, soft, wire, dia.	1/8"	Kgs. 1000
" " " "	3/16"	" 1000
" " " "	1/4"	" 2000
" " " "	5/16"	" 1500
Bronze, special, for welding cast-iron bars	1/8"	" 100
do.	3/16"	" 200
Brass, phosphor, wire	1/8"	" 200
do.	1/4"	" 300
do.	5/16"	" 300
Brass, bars	1/8 "	" 200
do.	3/16"	" 500
do.	5/16"	" 1000
do.	3/8"	" 500
Copper, electrolytic, pure, pre-heat		" 500

ELECTRIC MATERIAL

German silver, wire, raw	m/m.	0.10	or nearer	Kgs. 5
do.	"	0.20	"	" 5
do.	"	0.30	"	" 5
do.	"	0.50	"	" 5
do.	"	0.80	"	" 5
do. plate	"	0.03	"	" 5

Declassified E.O. 12356 Section 3.3/NND No. 785021

Brass, bars	1/8 "	"	500
do.	3/16"	"	1000
do.	5/16"	"	500
do.	3/8"	"	500
Copper, electrolytic, pure, pre-heat			

ELECTRIC MATERIAL

German silver, wire, raw	m/m. 0.10 or nearer	Kgs.	5
do.	" 0.20 "	"	5
do.	" 0.30 "	"	5
do.	" 0.50 "	"	5
do.	" 0.80 "	"	5
do. plate	" 0.03 "	"	5
do.	" 0.05 "	"	5
do.	" 1 "	"	10
Lead, alloy, fuse	1/16" "	"	50
Tape, white and black		ft.	3000
Dry Batteries, cylindric, unloading time 3250 hours uniterrupted, 30 ohms, 100 ampere hours		N°	1000
Dry batteries, square, unloading time 3400 hours uninterrupeted, 10 ohm, 330 ampere hours		"	1000
Dry batteries for signals, unloading time 5000 hours uninterrupeed, 700 ampere hours		"	1000

Declassified E.O. 12356 Section 3.3/NND No. 785021

ELECTRICAL AND SIGNAL STORES

Wire, steel, tweested, 4 strands 1/8"	ml.	10.000
Wire, steel, tweested, 24 strands 1/4"	Kgs.	1.000
Bronze, phosphorous, 1/8" undressed	"	500
" " 1/16" "	"	500
Wire, iron, galvanized 1/16"	"	500
" " " 1/8 "	"	1000
" steel, galvanized 3/16"	"	5000
Telephones, selective, western type	N°	20
Bulbs, 23 Volts, 20 Watts	"	500
" 150/160", 40 "	"	500
" 150/160" & 25 "	"	1000
" 150/160" 60 "	"	250
Wrenches, adjustable, from 3/16" to 1/8"	"	50
" " " 3/8 " to 2"	"	50
Pincers, universal, insulated handle	"	100
Voltmeters, pocket, from 3.30 to 150 Volt.	"	50
Milleampere balance, pocket, from 30.15 to 750 Ampere"		50

Emery wheels, for smoothing	Est. 2'	x	Int. 6.5/16"	x Width. 2.3/8"	N° 10
" " " sharpening tools	7.7/8"	x	1.3/16"	x13/16"	" 10
" " " " "	7.7/8"	x	1.3/16"	x1.3/16"	" 10
" " " " "	3.15/16"	x	9/16"	x3/8"	" 20

Declassified E.O. 12356 Section 3.3/NND No. 785021

" 150/160", 40 "	"	500
" 150/160" 25 "	"	1000
" 150/160" 60 "	"	250
Wrenches, adjustable, from 3/16" to 1/8"	"	50
" " " 3/8 " to 2"	"	50
Pincers, universal, insulated handle	"	100
Voltmeters, pocket, from 3.30 to 150 Volt.	"	50
Milleampere balance, pocket, from 30.15 to 750 Ampere"		50

Emery wheels, for smoothing $\frac{\text{Est.}}{2'}$ x $\frac{\text{Int.}}{6.5/16"}$ x $\frac{\text{Width.}}{2.3/8"}$	N°	10
" " " sharpening tools 7.7/8"x1.3/16"x13/16"	"	10
" " " " " 7.7/8"x1.3/16"x1.3/16"	"	10
" " " " " 3.15/16"x9/16"x3/8"	"	20

Steel, carbon, round bars, for tools, 5/8" dia.	Kgs.	50
" " " " " " 1" "	"	50
" " square bars, " " 1" "	"	50
" " " " " " 1.9/16"	"	50
Steel, High Speed, for tools, square bars od I"	"	50
" " " rectangular bars of 1.3/16"xI"	"	50

3309

Declassified E.O. 12356 Section 3.3/NND No. 785021

T O O L S

(Burners)		
Plant, oxy-acet, welding, high pressure, hand welding, set		Nº 6
do.	cutting "	" 4
Files		"1000
Files, three-square		"1500
Files, flat		"1200
Files, Knives		" 100
Files, round		" 700
" square		" 500
Gauges, regulators, oxygen type		" 5
" , press 400 Tons. for hydraulic Press		" 1
Pliers, electric, soldering		" 30
Spanners, for bolts, assorted, double ended, straight	1/16"/1"	50
Saw, circular (wood) 16" ext. dia.		Nº 10
Tap and die sets, hand threading,	1/4"	" 10
do.	5/16"	" 10
do.	3/8 "	" 10
do.	7/16"	" 10
do.	1/3"	" 20
do.	9/10"	" 10
do.	5/8 "	" 20
do.	11/16"	" 10

Declassified E.O. 12356 Section 3.3/NND No. 785021

" , press 400 Tons. for hydraulic Press			" 1
Pliers, electric, soldering			" 30
Spanners, for bolts, assorted, double ended, straight			1/16"/1" 50
Saw, circular (wood) 16" ext. dia.			Nº 10
Tap and die sets, hand threading,		1/4"	" 10
do.		5/16"	" 10
do.		3/8 "	" 10
do.		7/16"	" 10
do.		1/3"	" 20
do.		9/10"	" 10
do.		5/8 "	" 20
do.		11/16"	" 10
do.		3/4 "	" 20
do.		7/8 "	" 20
do.		1 "	" 20
do.		1.1/8"	" 10
do.		1.1/4"	" 10
do.		1.3/8"	" 5
do.		1.1/2"	" 5
do.		1/4"	" 10
do.		5/16"	" 10
do.		7/16"	" 5
do.		1/3 "	" 15
do.		9/16"	" 5
do.		5/8"	" 15
do.		11/16"	" 5

Universal Standard threads

Declassified E.O. 12356 Section 3.3/NND No. 785021

Tap and die sets,	3/4"	N° 15	
do.	7/8"	" 15	
do.	1 "	" 10	
do.	1.1/8"	" 5	
do.	1.1/4"	" 5	
do.	1.3/8"	" 5	
do.	1.1/2"	" 5	
Tube, cutter, up to dia.	5/8"	" 6	
do.	2.9/16"	" 6	
Ohm tester		" 1	
Voltmeter up to 300 volts		" 1	
Ammeter " " 500 "		" 1	
Rasps, for wood, half round, assorted		" 200	
Plane-chisels, for wood		" 25	
Gimlets, screws, propeller 1/2"		" 200	
do.	9/16"	" 200	
do.	5/8 "	" 200	
do.	11/16"	" 200	
do.	13/16"	" 200	
Gimlets, screw, propeller shape 1/2"		" 100	
Twist drill for metals, 1/16" to 7/16" assorted		" 600	Barall.
do. for staybolts	1/8 " to 3/16"	" 200	
Drills, carbon steel staybolts chuck, up to 1/2" assorted		" 400	Morse Tape
Hand drill, bits, assorted from 1/2" up to 13/16" (10 of 1")		" 100	
Saw ~~hack~~ hawl, blades		" 400	
		" 30	

Declassified E.O. 12356 Section 3.3/NND No. 785021

Plane-chisels, for wood	"	25
Gimlets, screws, propeller 1/2"	"	200
do. 9/16"	"	200
do. 5/8 "	"	200
do. 11/16"	"	200
do. 13/16"	"	200
Gimlets, screw, propeller shape 1/2"	"	100
Twist drill for metals, 1/16" to 7/16" assorted	"	600 Parall.
do. for staybolts 1/8 " to 3/16"	"	200
Drills, carbon steel staybolts chuck, up to 1/2" assorted	"	400 Morse Taper
Hand drill, bits, assorted from 1/2" up to 13/16" (10 of 1")	"	100
Saw ~~hawk~~ hawl, blades	"	400
Drill sockets, up to 3/8" parallel	"	10
do. up to 5/8"	"	10
Drill breasts	"	10
Milling cutters, A.IO 1322 (Reference B.S.I. of A.S.A.)	"	10
do. A. I4 - 1330	"	10
do. A. 26 - 1350	"	10
do. A. 30 - 1355	"	10
Stock and dies, threading, 1/8" to 3/8"	"	10
do. 1/2"	"	10
Spanners, adjustable	"	50
Hose, pneumatic 15/16" x 1/2" x 33'	"	50

Declassified E.O. 12356 Section 3.3/NND No. 795021

Hose, for gas pipes 11/16" x 3/8" x 33'		Nº 25
Glass cutter		" 10
Chisels, joiner's, assorted		" 200
Chisels, plane, small 1.1/4"		" 100
Chisels, double, plane 1.7/8"		" 100
Saw, steel, ribbon, toothed, for wood	1.3/16"	ft. 660
(for wood band saws) do.	1.9/16"	" 660
do.	2 "	" 660
Gloves, welders		Pairs 10
Reamers, taper 5/8" and 1.1/16"		Nº 50

STORE MATERIAL

Oil, brakes, Westinghouse	Kgs. 100
Borax, refined, blocks	" 250
Calcium, chloride	" 500
Ammonia salt, in cakes	" 200
Soda, ordinary	" 50000
Mantle, kerosene lampe 1/2"	ml. 600
do. 7/8"	" 1000
Asbestos, rope 1/4"	Kgs. 50
do. 3/8"	" 50
do. 5/8"	" 50
do. 11/16"	" 50
Asbestos, sheets, 1/13" ~~xxxx~~ thick	" 50
do. 1/8"	" 50

Declassified E.O. 12356 Section 3.3/NND No. 785021

STORE MATERIAL

Oil, brakes, Westinghouse	Kgs.	100
Borax, refined, blocks	"	250
Calcium, chloride	"	500
Ammonia salt, in cakes	"	200
Soda, ordinary	"	50000
Mantle, kerosene lampe 1/2"	ml.	600
do. 7/8"	"	1000
Asbestos, rope 1/4"	Kgs.	50
do. 3/8"	"	50
do. 5/8"	"	50
do. 11/16"	"	50
Asbestos, sheets, 1/13" ~~xxxxx~~ thick	"	50
do. 1/8" "	"	50
do. 3/16" "	"	50
Plaster, board	"	100
Putty, for steam joints	"	500
Paper, Emery Nº2	"	600
do. " 3	"	600
do. " 00 sheets	"	200
do. " 1	"	200
do. " 2	"	200
do. " 3	"	200
Paper, Glass, Nº 00	"	200
do. " 1	"	200

Declassified E.O. 12356 Section 3.3/NND No. 785021

Paper, Glass, N°2, sheets	N°	200
do. " 3 "	"	200
Wire gauze for joints	"	250
Sealing - wax	"	100
Ink, black, copying	liters	50
Ink, permanent black, tracing	"	100
Pencil, black, ordinary N.I	"	500
do. " 2	"	1000
Pencil, black, ordinary, for drafting N.2	"	300
do. " 3	"	200
Ribbon, (Typewriter) 7/16", red and blue, plain	"	100
" " 1/2 " do.and black plain	"	100
" accounting machines 5/8"	"	100
Ribbons, Underwood, for telegraph	"	100
Paper, mimeograph 8.1/4" x 1'	Sheets	50000
do. 1" x 2'	"	50000
Paper, Squared	"	5000
Paper, drawing	"	100
Paper, ruled, "protocollo"	"	5000
Paper, ruled "uso bollo"	"	5000
Paper, carbon, typewriter	"	2000
Paper, tracing for telegraph	"	5000
Paper, blotting	"	500
Rubbers, pencil (eraser)	"	100
do. ink	"	100

Declassified E.O. 12356 Section 3.3/NND No. 785021

Ribbon, (Typewriter) 7/16", red and blue, plain	"	100
" " 1/2 " do.and black plain	"	100
" accounting machines 5/8"	"	100
Ribbons, Underwood, for telegraph	"	100
Paper, mimeograph 8.1/4" x 1'	Sheets	50000
do. 1" x 2'	"	50000
Paper, Squared	"	5000
Paper, drawing	"	100
Paper, ruled, "protocollo"	"	5000
Paper, ruled "uso bollo"	"	5000
Paper, carbon, typewriter	"	2000
Paper, tracing for telegraph	"	5000
Paper, blotting	"	500
Rubbers, pencil (eraser)	"	100
do ink	"	100
Pencil; copying	"	1000
Pencils, carpenter	"	100
Pencils, copying, hard	"	100
Pens, ordinary (nibs)	"	500
Asbestos, sheets 1/16"	Kgs.	50
Hemp, carded	"	50

PAINTS AND DYES

Paint, red, quick drying for signalling	Kgs.	200
" green, for signalling	"	200
" white	"	300

Declassified E.O. 12356 Section 3.3/NND No. 785021

Paint, red, for wagons (rust resisting)	Kgs.	1000
Oil, lin seed, boiled	"	1000
Oil, tuepentine	"	100
Lead, zinc	"	1000
" red	"	1000

ROOFING MATERIAL

Tar Paper, 2 Ply	sq. m.	6000
Glass, screened	"	3000
Glass Screened, ordinary double	"	300

L U M B E R

Fir, boards 9/16" thick	sq.m.	25
do. do. 11/16" "	"	25
do. do. 13/16" "	"	50
do. do. 1"	"	25
Fir, boards and planks	"	25
Chestnut, board and planks	"	25
Beech, any dimension (for re-cutting)	"	25
Elm, planks, any dimension (for-re-cutting)	"	25
Oak, planks " " " "	"	50
Pitch-pine, boards and planks or Silaho Pine	"	50
Ply wood 1/8"	sq.m.	100

Declassified E.O. 12356 Section 3.3/NND No. 785021

L U M B E R

Fir, boards 9/16" thick	cu.m.	25
do. do. 11/16"	"	25
do. do. 13/16"	"	50
do. do. 1"	"	25
Fir, boards and planks	"	25
Chestnut, board and planks	"	25
Beech, any dimension (for re-cutting)	"	25
Elm, planks, any dimension (for-re-cutting)	"	50
Oak, planks " " " "	"	50
Pitch-pine, boards and planks or Silaho Pine	sq.m.	100
Ply wood 1/8"	"	100
do. 3/16"	"	100
do. 1/4 "	"	100
do. 3/8 "		

LEATHER BELTING OR FABRIC (BALATA ETC.)

1"	300 ft.
1.3/16"	300 "
1.9/16"	500 "
2 "	660 "
2.3/16"	300 "

0580

Declassified E.O. 12356 Section 3.3/NND No. 785021

2.3/8 "	530 ft.
2.3/4 "	660 "
3.3/16"	660 "
3.9/16"	500 "
3.15/16"	330 "
3.5/16 "	330 "
4.5/16"	330 "
3.3/4"	330 "
3.15/16"	170 "
5.1/8"	140 "
5.1/2"	100 "
6.5/16"	230 "
7.7/8"	66 "
9.1/16"	70 "
9.7/8"	70 "
10.1/4"	100 "

LEATHER HIDES

Leather hides	1/8"	Kgs.	150
do.	3/16"	"	100
Leather hides, for laces belting		"	100
do.	greased	"	200
do.	dry	"	100

0681

Declassified E.O. 12356 Section 3.3/NND No. 785021

5.1/2"	100	"
6.5/16"	230	"
7.7/8"	66	"
9.1/16"	70	"
9.7/8"	70	"
10.1/4"	100	"

LEATHER HIDES

Leather hides	1/8"	Kgs.	150
do.	3/16"	"	100
Leather hides, for laces belting		"	100
do.	greased	"	200
do.	dry	"	100

CAR ROOFING MATERIAL

Hemp, cloth, raw width 3 feet	ml.	700
Cotton cloth, white, width 3 feet	"	700
Yarn, raw, two threades, skein	"	50
" " three " "	"	50
" " for " "	"	50
Olona, linen, 4'	"	250
Roofing canvas, waterproof 11'	"	500

Declassified E.O. 12356 Section 3.3/NND No. 785021

AUTOMOBIL TIRES

Tires and inner tubes	140 x 4[illegible]	N° 15
do.	165 x 40	" 15
do.	145 x 400	" 15
do.	5 x 25 x 16	" 15
do.	3 x 50 x 16	" 15
do.	5 x 50 x 15	" 10
do.	20 x 36	" 8
Tires for tractors	205 x 980	" 12

PERMANENT-WAY LUMBER

Ties, male oak, beech	m. 2,60 x 0,24 x 0,14	N° 15000
do.	" 1,80 x 0,24 x 14	" 3000
Planks oak & beech :		
m. 3 x 0.20 x 0,05		" 100
m. 4 x 0.20 x 0,08		" 100

0 6 8 3

Declassified E.O. 12356 Section 3.3/NND No. 785021

Ties, male oak, beech	m. 2,60 x 0,24 x 0,14	N° 15000
do.	" 1,80 x 0,24 x 14	" 3000

Planks oak & beech :

m. 3 x 0.20 x 0,05	" 100
m. 4 x 0.20 x 0,08	" 100

0 6 8 4

Declassified E.O. 12356 Section 3.3/NND No. 785021

Declassified E.O. 12356 Section 3.3/NND No. 785021

S I C I L I A N R A I L W A Y

P A L E R M O

****

V E R Y U R G E N T M A T E R I A L R E Q U I S I T I O N

(All Bolts and Nuts Universal Standard Threads)

****

PALERMO, 31 Maggio 1944

VERY URGENT MATERIAL REQUISITION

(All Bolts and Nuts Universal Standard Threads)

PALERMO, 31 Maggio 1944

Declassified E.O. 12356 Section 3.3/NND No. 783021

Declassified E.O. 12356 Section 3.3/NND No. 785021

IRON MATERIAL, VARIOUS

Steel, raw, wire of	1/16	"	Kgs. 25
do.	3/16	"	" 25
do.	1/4	"	" 100
do.	3/8	"	" 50
M. Steel, bars, round	3/8	"	" 400
do.	1/2	"	" 500
do.	5/8	"	" 1000
do.	11/16	"	" 1000
do.	3/4	"	" 1000
do.	7/8	"	" 1000
do.	1	"	" 1000
do.	1.1/8"	. . . . .	" 1000
do.	1.3/16"	. . . . .	" 1000
do.	1.3/8"	. . . . .	" 1000
do.	1.9/16"	. . . . .	" 1000
do.	1.11/16"	. . . . .	" 1000
do.	1.3/3 "	. . . . .	" 2000
do.	2 "	. . . . .	" 1000
do.	2.3/8"	. . . . .	" 1000
do.	2.3/4"	. . . . .	" 1000
do.	3.1/8"	. . . . .	" 1000
do.	3.1/2"	. . . . .	" 1500
do.	3.15/16"	. . . . .	" 1500

do.	7/8 "	" 1000
do.	1 "	" 1000
do.	1.1/8"	" 1000
do.	1.3/16".	" 1000
do.	1.3/8"	" 1000
do.	1.5/16".	" 1000
do.	1.11/16"	" 1000
do.	1.3/3 "	" 2000
do.	2 "	" 1000
do.	2.3/8"	" 1000
do.	2.3/4"	" 1000
do.	3.1/8"	" 1000
do.	3.1/2".	" 1500
do.	3.15/16"	" 1500
M. Steel, bars, square	1"	" 500
do.	1.1/4 ".	" 500
do.	1.1/8 ".	" 1000
M. Steel, bars, rectangular	13/16" x 1/8"	" 1000
do.	1.3/8" x 3/16".	" 500
do.	1.9/16"x 3/16".	"1000
do.	1.9/16"x 3/8"	" 500
do.	2" x 3/16"	" 500
do.	2" x 1/2 "	" 1500

0.6.8.2
Declassified E.O. 12356 Section 3.3/NND No. 785021

M.Steel, bars, rectangular	2.3/4" x 1"		Kgs.	1500
do.	4.15/16" x 5/8"		"	500
M? Steel, bars, hex.	7/8"		"	200
DO.	~~1/14~~ 1.1/4"		"	200
do.	1.1/2"		"	200
do.	1.7/8"		"	500
M.Steel, plates, smooth, for springs	3.15/16"	x 1/2"	"	500
do.	4.3/4"	x 1/2"	"	500
do.	5.1/8"	x 5/8"	"	500
M.Steel, frame braces, even sides	1.9/16"	x 3/16"	"	300
do.	2"	x 3/16"	"	500
do.	2.3/8"	x 1/4"	"	500
do.	2.3/4"	x 5/16"	"	200
do.	3"	x 9/16"	"	200
do.	3.3/16"	x 5/16"	"	200
do.	3.3/16"	x 3/8"	"	1000
do.	3.9/16"	x 3/8"	"	800
do.	3.15/15"	x 1/2"	"	1500
do.	3.3/8 "	x 3/8"	"	800
do.	3.3/8"	x 9/16"	"	500
do.	4.3/4"	x 1/2 "	"	500
do.	4.3/4"	x 11/16"	"	800
M.Steel, frame braces, odd sides	1.9/16"	x 2.3/8" x 1/4"	"	1000
do.	2 "	x 2.9/16" x 5/16"	"	500
do.	2 "	x 3 " x 5/16"	"	500

Declassified E.O. 12356 Section 3.3/NND No. 785021

	do.	2"	x 3/16"	"	500
	do.	2.3/8"	x 1/4"	"	500
	do.	2.3/4"	x 5/16"	"	200
	do.	3"	x 9/16"	"	200
	do.	3.3/16"	x 5/16"	"	200
	do.	3.3/16"	x 3/8"	"	1000
	do.	3.9/16"	x 3/8"	"	800
	do.	3.15/15"	x 1/2"	"	1500
	do.	3.3/8 "	x 3/8"	"	800
	do.	3.3/8"	x 9/16"	"	500
	do.	4.3/4"	x 1/2 "	"	500
	do.	4.3/4"	x 11/16"	"	800
M.Steel,	frame braces, odd sides	1.9/16"	x 2.3/8" x 1/4"	"	1000
	do.	2 "	x 2.9/16" x 5/16"	"	500
	do.	2 "	x 3 " x 5/16"	"	500
	do.	2.9/16"	x 5.1/8" x 7/16"	"	500
	do.	3"	x 3.15/16" x 3/8"	"	500
	do.	3.3/16"	x 4.3/4" x 1/2"	"	500
	do.	3.9/16"	x 5.1/8" x 9/16"	"	500
	do.	3.15/16"	x 5.15/16" x 9/16"	H°	500
Tin,	sheets, simple	2' x 3'		N°	200
"	" double	2' x 4'		"	200
M. Steel,	plate	1/16"		"	100
"	tubing	1.1/2"	x 5/16"	Kgs.	200
	do.	1.3/4"	x 5/16"	"	500
	do.	2.1/4"	x 3/8"	"	500
	do.	3"	x 11/16"	"	500

Declassified E.O. 12356 Section 3.3/NND No. 785021

Steel, tubing	3.5/16"	x 5/8"	Kgs.	500
do.	3.3/4"	x 9/16"	"	500
do.	4.1/4"	x 9/16"	"	500
do.	5.1/2"	x 1.1/16"	"	200
No. Steel, tubing for boiler tube ends	1.3/4"	x 1.9/16"	No.	50
do.	2"	x 1.13/15"	"	50
do.	2.1/16"	x 1.7/8"	"	150
do.	5.1/4"	x 4.15/16"	"	50
Rivets, Mild steel, small round head	7/8"	x 2.3/16"	Kgs.	1000
do.	7/8"	x 2.3/8"	"	1000
do.	7/8"	x 2.9/16"	"	1000
do.	7/8"	x 2.3/4"	"	1000
do.	7/8"	x 2.15/16"	"	1000
do.	7/8"	x 3.3/16"	"	1000
do.	7/8"	x 3.3/8"	"	1000
do.	7/8"	x 3.9/16"	"	1000
do.	7/8"	x 3.15/16"	"	1000
do.	7/8"	x 4.5/16"	"	1000
do.	7/8"	x 4.3/4"	"	1000
do.	5/8"	x 1.3/8"	"	200
do.	5/8"	x 3.3/16"	"	200
do.	3/4"	x 2.9/16"	"	200
do.	3/4"	x 3.3/8"	"	200
do. round, large head	5/8"	x 1.3/8"	"	200

Declassified E.O. 12356 Section 3.3/NND No. 735021

do.	7/8"	x 2.5/16"	" 1000
do.	7/8"	x 2.3/4"	" 1000
do.	7/8"	x 2.15/16"	" 1000
do.	7/8"	x 3.3/16"	" 1000
do.	7/8"	x 3.3/8"	" 1000
do.	7/8"	x 3.9/16"	" 1000
do.	7/8"	x 3.15/16"	" 1000
do.	7/8"	x 4.5/16"	" 1000
do.	7/8"	x 4.3/4"	" 1000
do.	5/8"	x 1.3/8"	" 200
do.	5/8"	x 3.3/16"	" 200
do.	3/4"	x 2.9/16"	" 200
do.	3/4"	x 3.3/8"	" 200
do. round, large head	5/8"	x 1.3/8"	" 200
do.	11/16"	x 2.3/4"	" 100
do.	11/16"	x 3.3/16"	" 100
do.	3/4"	x 3.9/16"	" 100
do.	3/4"	x 3.3/8 "	" 100
do.	13/16"	x 2.3/16"	" 100
do.	13/16"	x 2.15/16"	" 100
do.	13/16"	x 3.3/8 "	" 100
do.	13/16"	x 3.9/16"	" 100
do.	13/16"	x 3.15/16"	" 100
do.	13/16"	x 4.3/4"	" 100
do.	13/16"	x 5.1/6"	" 100

Declassified E.O. 12356 Section 3.3/NND No. 785021

Rivets, soft iron, round, head	1/8" x 3/8"	Kgs.	50
do.	1/8" x 3/4"	"	50
do.	3/16" x 3/8"	"	50
do.	3/16" x 3/4"	"	50
do.	3/16" x 1"	"	100
Nuts, hex., black finish steel, plain	1/4"	"	50
do.	5/16"	"	50
do.	3/8 "	"	100
do.	1/2 "	"	200
do.	5/8"	"	300
do.	3/4 "	"	300
do.	7/8"	"	500
do.	1 "	"	500
do.	1.1/8"	"	400
do.	1.1/4"	"	300
do.	1.3/8"	"	100
do.	1.1/2"	"	200

Key bolts, black finish steel, complete hex. head

	dia.	length	Threaded length		
hex nut	1/4" x	1.3/16" x	1"	Kgs.	100
do.	1/4" x	1.9/16" x	1"	"	200
do.	1/4" x	2.3/8" x	1"	"	200

Declassified E.O. 12356 Section 3.3/NND No. 785021

do.	5/8"	"	300
do.	3/4 "	"	300
do.	7/8"	"	500
do.	1 "	"	500
do.	1.1/8"	"	400
do.	1.1/4"	"	300
do.	1.3/8"	"	100
do.	1.1/2"	"	200

Key bolts, black finish steel, complete hex. head

Universal Standard threads

	dia.	length	Threaded length	
hex nut	1/4"	x 1.3/16"	x 1"	x"gs.100
do.	1/4"	x 1.9/16"	x 1"	" 200
do.	1/4"	x 2.3/8"	x 1"	" 200
do.	5/16"	x 1 "	x 1"	" 200
do.	5/16"	x 1.9/16"	x 1.3/16"	" 300
do.	5/16"	x 2.3/8"	x 1.3/16"	" 300
do.	3/8"	x 1.9/16"	x 1.9/16"	" 500
do.	3/8"	x 2"	x 1.1/2 "	" 500
do.	3/8"	x 2.3/8"	x 1.1/2"	" 200
do.	3/8"	x 3.3/16"	x 1/2"	" 200
do.	1/2"	x 2.3/4"	x 1.3/4"	" 200
do.	5/8"	x 2"	x 2"	" 200
do.	5/8"	x 2.3/4"	x 2"	" 800
do.	5/8"	x 2.3/8"	x 2.3/8"	" 500
do.	5/8"	x 3.3/16"	x 2"	" 200
do.	13/16"	x 2.3/4"	x 2.3/4"	" 500
do.	13/16"	x 3.3/16"	x 2.3/8"	" 500

Declassified E.O. 12356 Section 3.3/NND No. 785021

Key bolts, black finish, steel, complete hex head,

	dia.	length	Threaded length		
hex nut	15/16" x	2.3/8" x	2.3/8"	Kgs.	500
do.	15/16" x	3.15/16" x	2.3/4"	"	500

(Universal Standard threads)

Bolts, rax steel, complete, square head	3/8" x 2" x 1.1/2"	"	100
do.	1/2"x2.3/8"x1.3/4"	"	100
Bolts, raw steel, complete, round head	1/2"x2.3/8"x1.3/4"	"	200
Bolts, counter sunk head	5/8"x5.1/2"x2"	"	100
Bolts, hook, rectangular head	3/8"x2" x 1.1/2"	"	100
do.	1/2"x2.3/8"x1.3/4"	"	500
do.	1/2"x3.3/16"x1.3/4"		400
Bolt, hook, hex, head	1/4"x1.3/16"x3/16"	"	50
do.	1/4"x2.3/8" x3/16"	"	50
do.	5/16"x2.3/8"x1"	"	50
do.	3/8" x1.9/16"x1/4"	"	50
do.	3/8" x2" x 1/4"	"	50
do.	3/8" x2.3/8"x1.1/4"		50

Bolts, black finish steel, complete hex. head

hex nut.	3/8" x 3.3/16" x 1/4"	"	50
do.	3/8" x 3.15/16"x 1.3/16"	"	50
do.	1/2" x 3.3/16" x 1.1/2"	"	100
do.	1/2" x 4.3/4" x 1.3/4"	"	100
do.	5/16"x 1.3/16" x 1"	"	40

Declassified E.O. 12356 Section 3.3/NND No. 785021

Bolts, hook, rectangular head		3/8"x2" x 1.1/2"	"	100
	do.	1/2"x2.3/8"x1.3/4"	"	500
	do.	1/2"x3.3/16"x1.3/4"		400
Bolt, hook, hex, head		1/4"x1.3/16"x3/16"	"	50
	do.	1/4"x2.3/8" x3/16"	"	50
	do.	5/16"x2.3/8"x1"	"	50
	do.	3/8" x1.9/16"x1/4"	"	50
	do.	3/8" x2" x 1/4"	"	50
	do.	3/8" x2.3/8"x1.1/4"		50
Bolts, black finish steel, complete hex. head				
hex nut.		3/8" x 3.3/16" x 1/4"	"	50
	do.	3/8" x 3.15/16"x 1.3/16"	"	50
	do.	1/2" x 3.3/16" x 1.1/2"	"	100
	do.	1/2" x 4.3/4" x 1.3/4"	"	100
	do.	5/16"x 1.3/16" x 1"	"	40
	do.	5/16"x 3.3/16" x 1"	"	40
	do.	3/8" x 3.5/16" x 1.1/2"	"	50
	do.	5/8" x 3.9/16" x 1.3/4"	"	50
	do.	5/8" x 4.5/16" x 2"	"	50
	do.	5/8" x 4.3/4" x 2"	"	50
	do.	5/8" x 5.15/16"x 2"	"	50
Cotter pins, steel, for bolts		1/16"x 5/16"	"	50
	do.	1/16" x 13/16"	"	50
	do.	1/8" x 1.3/16"	"	500
	do.	1/8" x 2.3/16"	"	100

Declassified E.O. 12356 Section 3.3/NND No. 785021

Cotter pins, steel, for bolts,	1/8" x 1.9/16"	Kgs.	100
do.	1/8" x 2.3/8"	"	100
do.	3/16"x 1.15/16"	"	100
do.	3/16"x 2.3/8"	"	100
do.	3/16"x 3.1/8"	"	100
do.	1/4" x 2.3/8"	"	200
do.	1/4" x 2.3/4"	"	200
do.	1/4" x 2.9/16"	"	200
do.	1/4" x 3.5/16"	"	200
do.	1/4" x 3.9/16"	"	100
do.	5/16"x 3.9/16"	"	200
do.	5/16"x 4.5/16"	"	300
do.	3/8" x 3.15/16"	"	200
Screws, steel, for wood, round head	1/8" x 1.3/16"	grösses	20
do.	3/16"x 1"	"	50
do.	3/16"x 1,3/8"	"	100
Screws, flat head (wood)	1/16"x 3/8"	"	20
do.	1/16"x 5/8"	"	20
do.	1/16"x 3/16"	"	20
do.	1/8 "x 5/8"	"	20
do.	1/8" x 13/16"	"	100
do.	1/8" x 1"	"	20
do.	1/8" x 1.3/16"	"	20
do.	1/8" x 1.3/8"	"	20
do.	1/8" x 1.9/16"	"	20
do.	1/8" x 2.3/16"	"	100

Declassified E.O. 12356 Section 3.3/NND No. 785021

do.	5/16"x 4.5/16"	"	300
do.	3/8" x 3.15/16"	"	200
do.			
Screws, steel, for wood, round head	1/8" x 1.3/16"	grosses	20
do.	3/16"x 1"	"	50
do.	3/16"x 1,3/8"	"	100
do.			
Screws, flat head (wood)	1/16"x 3/8"	"	20
do.	1/16"x 5/8"	"	20
do.	1/16"x 3/16"	"	20
do.	1/8 "x 5/8"	"	20
do.	1/8" x 13/16"	"	100
do.	1/8" x 1"	"	20
do.	1/8" x 1.3/16"	"	20
do.	1/8" x 1.3/8"	"	20
do.	1/8" x 1.9/16"	"	20
do.	3/16" x 1.3/16"	"	100
do.	3/16" x 1.9/16"	"	100
do.	3/16" x 1.15/16"	"	200
do.	3/8 " x 2.3/8"	"	300
Screws, wood, square head	3/8" x 3.3/16"	"	400
do.	1/4"	Kgs.	10
Screws, steel, for metals, flat head	1/8"	"	10
do.	3/16"	"	10
do.	3/8 "	"	10
do.			
	1/16" x 5/8"	"	100
Tacks, flat head	1/16" x 1"	"	100
do.			

Declassified E.O. 12356 Section 3.3/NND No. 785021

Tacks, flat head	1/16" x 1.3/8"	Kgs.	100
do.	1/16" x 1.1/16"	"	300
DO.	1/8 " x 2"	"	200
do.	1/8" x 2.3/4"	"	200
do.	3/16" x 3.15/16"	"	200
Tacks, round head	1/16" x 5/8"	"	25
do.	1/16" x 1.3/16"	"	25
do.	1/8 " x 2.3/4"	"	25
Tacks, cone head	1/16" x 3/8"	"	50
do.	1/16" x 9/16"	"	50
do.	1/16" x 1"	"	100

WESTINGHOUSE SPARE PARTS

(Reference W.H.B. - Spare Catalogue, Italian Edition, Turin, 1909, and subsequent additions)

Top head complete, of steam cylinder, air pump	Tab.V^{c} - 60	Nº	5
Valve, distribution, air pump Tupe F.	Tab.V^{c} - 65	"	25
Slide valve rod (tandem pompe)	Tab.174- 83	"	50
Packings, piston threefold valves, ordinary	Tab.VIII-10	"	40
" , rings, " high speed	Tab.109- 9	"	100
" large " " "	Tab.109- 10	"	40
Diaphragm, feed valve	Tab.110^{h}-13	"	50
Gaskets, rubber, for coupled head I"	Tab.XI - 3	"	1000
do.	Tab.111- 3	"	300

Declassified E.O. 12356 Section 3.3/NND No. 785021

WESTINGHOUSE SPARE PARTS

(Reference W.H.B. - Spare Catalogue, Italian Edition, Turin, 1909, and subsequent additions)

Top head complete, of steam cylinder, air pump	Tab.V^{e} - 60	N° 5
Valve, distribution, air pump Tupe F.	Tab.V^{e} - 65	" 25
Slide valve rod (tandem pompe)	Tab.174- 83	" 50
Packings, piston threefold valve, ordinary	Tab.VIII-10	" 40
" , rings, " high speed	Tab.109- 9	"100
" large " " "	Tab.109- 10	" 40
Diaphragm, feed valve	Tab.11C^{h}-13	" 50
Gaskets, rubber, for coupled head 1"	Tab.XI - 3	"1000
do.	Tab.111- 3	" 300
Hose ft. 2 x 1.3/4" x 1.1/8" (mm.610x45x28)	Tab.XI - 5	" 300
" " 3 x 1.3/4" x 1.1/8" (" 760x45x28)	Tab.XI^{a}- 4	" 300
Springs, piston, non authomatic brake	Tab.XXVII-9	" 50
Gaskets, leather, small, threefond valve, high speed	Tab.109 - 15	" 100
" "for combin conduit valve, high speed, 6", 8", 10"	Tab.XXXI- 23^{c}	" 120
Hose for ordinary coupling 2"x1.3/4" x1.1/8" (m/m. 610 x 45 x 28)	[illegible]	"1000

0700

Declassified E.O. 12356 Section 3.3/NND No. 785021

MATERIAL FOR OXY-ACET WELDING

Steel, soft, wire, dia.	1/8"		Kgs. 1000
" " " "	3/16"		" 1000
" " " "	1/4"		" 2000
" " " "	5/16"		" 1500
Bronze, special, for welding cast-iron bars		1/8"	" 100
do.		3/16"	" 200
Brass, phosphor, wire	1/8"		" 200
do.	1/4"		" 300
do.	5/16"		" 300
Brass, bars	1/8 "		" 200
do.	3/16"		" 500
do.	5/16"		" 1000
do.	3/8"		" 500
Copper, electrolytic, pure, pre-heat			" 500

ELECTRIC MATERIAL

German silver, wire, raw	m/m. 0.10 or nearer		Kgs. 5
do.	" 0.20 "		" 5
do.	" 0.30 "		" 5
do.	" 0.50 "		" 5
do.	" 0.80 "		" 5
do.	" 0.03 "		" 5

Declassified E.O. 12356 Section 3.3/NND No. 785021

do.	3/16"		"	500
do.	5/16"		"	1000
do.	3/8"		"	500
Copper, electrolytic, pure, pre-heat			"	500

ELECTRIC MATERIAL

Germar silver, wire, raw	m/m.	0.10	cr nearer	Kgs.	5
do.	"	0.20	"	"	5
do.	"	0.30	"	"	5
do.	"	0.50	"	"	5
do.	"	0.80	"	"	5
do. plate	"	0.03	"	"	5
do.	"	0.05	"	"	5
do.	"	1	"	"	10
Lead, alloy, fuse	1/16"		"	"	50
Tape, white and black				ft.	3000
Dry Batteries, cylindric, unloading time 3250 hours uniterrupted, 30 ohms, 100 ampere hours				N°	1000
Dry batteries, square, unloading time 3400 hours uninterrupeted, 10 ohm, 330 ampere hours				"	1000
Dry batteries for signals, unloading time 5000 hours uninterrupeed, 700 ampere hours				"	1000

Declassified E.O. 12356 Section 3.3/NND No. 735021

ELECTRICAL AND SIGNAL STORES

Wire, steel, tweested, 4 strands 1/8"	ml.	10.000
Wire, steel, tweested, 24 strands 1/4"	Kgs.	1.000
Bronze, phosphorous, 1/8" undressed	"	500
" " 1/16" "	"	500
Wire, iron, galvanized 1/16"	"	500
" " " 1/8 "	"	1000
" steel, galvanized 3/16"	"	5000
Telephones, selective, western type	Nº	20
Bulbs, 23 Volts, 20 Watts	"	500
" 150/160", 40 "	"	500
" 150/160" " 25 "	"	1000
" 150/160" 60 "	"	250
Wrenches, adjustable, from 3/16" to 1/8"	"	50
" " " 3/8 " to 2"	"	50
Pincers, universal, insulated handle	"	100
Voltmeters, pocket, from 3.30 to 150 Volts	"	50
Millesumpere balance, pocket, from 30.15 to 750 Ampere"		50

	Ext.	Int.	Width.		
Emery wheels, for smoothing	2'	x 6.5/16"	x 2.3/8"	Nº	10
" " " sharpening tools	7.7/8"	x1.3/16"	x13/16"	"	10
" " " " "	7.7/8"	x1.3/16"	x1.3/16"	"	10
" " " " "	3.15/16"	x9/16"	x3/8"	"	20

Declassified E.O. 12356 Section 3.3/NND No. 785021

Bulbs, 23 Volts, 20 Watts		
" 150/160m, 40 "	"	500
" 150/160m 25 "	"	1000
" 150/160m 60 "	"	250
Wrenches, adjustable, from 3/16" to 1/8"	"	50
" " " 3/8 " to 2"	"	50
Pincers, universal, insulated handle	"	100
Voltmeters, pocket, from 3-30 to 150 Volts	"	50
Milliampere balance, pocket, from 30-15 to 750 Ampere"		50

	Ext.	Int.	Width.		
Emery wheels, for smoothing	2" x	6.5/16" x	2.3/8"	N°	10
" " " sharpening tools	7.7/8"x	1.3/16"x	13/16"	"	10
" " " " "	7.7/8"x	1.3/16"x	1.3/16"	"	10
" " " " "	3.15/16"x	9/16"x	3/8"	"	20

Steel, carbon, round bars, for tools, 5/8" dia.	Kgs.	50
" " " " " " 1" "	"	50
" " square bars, " " 1" "	"	50
" " " " " " 1.9/16"	"	50
Steel, High Speed, for tools, square bars od 1"	"	50
" " " rectangular bars of 1.3/16"x2.3/8"	"	50

Declassified E.O. 12356 Section 3.3/NND No. 785021

T O O L S

(Burners)

Plant, oxy-acet, welding, high pressure, hand welding, set		Nº 6
do.	cutting "	" 4
Files		"1000
Files, three-square		"1500
Files, flat		"1200
Files, Knives		" 100
Files, round		" 700
" square		" 500
Gauges, regulators, oxygen type		" 5
" , press 400 Tons. for hydraulic Press		" 1
Pliers, electric, soldering		" 30
Spanners, for bolts, assorted, double ended, straight 1/16"/2"		50
Saw, circular (wood) 16" ext. dia.		Nº 10
Tap and die sets, hand threading, 1/4"		" 10
do.	5/16"	" 10
do.	3/8 "	" 10
do.	7/16"	" 10
do.	1/3"	" 20
do.	9/10"	" 10
do.	5/8 "	" 20
do.	11/16"	" 10

Declassified E.O. 12356 Section 3.3/NND No. 725021

Gauges, regulators, oxygen type			" 5
" , press 400 Tons. for hydraulic Press			" 1
Pliers, electric, soldering			" 30
Spanners, for bolts, assorted, double ended, straight			1/16"/F 50
Saw, circular (wood) 16" ext. dia.			No 10
Tap and die sets, hand threading,		1/4"	" 10
do.		5/16"	" 10
do.		3/8 "	" 10
do.		7/16"	" 10
do.		1/3"	" 20
do.		9/16"	" 10
do.		5/8 "	" 20
do.		11/16"	" 10
do.		3/4 "	" 20
do.		7/8 "	" 20
do.		1 "	" 20
do.		1.1/8"	" 10
do.		1.1/4"	" 10
do.		1.3/8"	" 5
do.		1.1/2"	" 5
do.		1/4"	" 10
do.		5/16"	" 10
do.		7/16"	" 5
do.		1/3 "	" 15
do.		9/16"	" 5
do.		5/8"	" 15
do.		11/16"	" 5

Universal Standard threads

Declassified E.O. 12356 Section 3.3/NND No. 785021

Tap and die sets,	3/4"	N° 15	
do.	7/8"	" 15	
do.	1 "	" 10	
do.	1.1/8"	" 5	
do.	1.1/4"	" 5	
do.	1.3/8"	" 5	
do.	1.1/2"	" 5	
Tube, cutter, up to die.	5/8"	" 6	
do.	2.9/16"	" 6	
Ohm tester		" 1	
Voltmeter up to 300 volts		" 1	
Ammeter " " 500 "		" 1	
Rasps, for wood, half round, assorted		" 200	
Plane-chisels, for wood		" 25	
Gimlets, screws, propeller	1/2"	" 200	
do.	9/16"	" 200	
do.	5/8 "	" 200	
do.	11/16"	" 200	
do.	13/16"	" 200	
Gimlets, screw, propeller shape	1/2"	" 100	
Twist drill for metals,	1/16" to 7/16" assorted	" 600	Parall.
do. for staybolts	1/8 " to 3/16"	" 200	
Drills, carbon steel staybolts chuck, up to	1/2" assorted	" 400	Morse Taper
Hand drill, bits, assorted from	1/2" up to 13/16" (10 of 1")	" 100	
Saw ~~mark~~ hawl, blades		" 400	
Drill sockets, up to	3/8" parallel	" 10	

Declassified E.O. 12356 Section 3.3/NND No. 785021

Rasps, for wood, half round, assorted	"	200	
Plane-chisels, for wood	"	25	
Gimlets, screws, propeller 1/2"	"	200	
do. 9/16"	"	200	
do. 5/8 "	"	200	
do. 11/16"	"	200	
do. 13/16"	"	200	
Gimlets, screw, propeller shape 1/2"	"	100	
Twist drill for metals, 1/16" to 7/16" assorted	"	600	Parall.
do. for staybolts 1/8 " to 3/16"	"	200	
Drills, carbon steel staybolts chuck, up to 1/2"assorted	"	400	Morse Taper
Hand drill, bits, assorted from 1/2" up to 13/16" (10 of1")	"	100	
Saw mack hawl, blades	"	400	
Drill sockets, up to 3/8" parallel	"	10	
do. up to 5/8"	"	10	
Drill breasts	"	10	
Milling cutters, A.IO 1322 (Reference B.S.I. of A.S.A.)	"	10	
do. A. I4 - 1330	"	10	
do. A. 26 - 1350	"	10	
do. A. 30 - 1355	"	10	
Stock and dies, threading, 1/8" to 3/8"	"	10	
do. 1/2"	"	10	
Spanners, adjustable	"	50	
Hose, pneumatic 15/16" x 1/2" x 33'	"	50	

Declassified E.O. 12356 Section 3.3/NND No. 785021

Hose, for gas pipes 11/16" x 3/8" x 33'		Nº 25
Glass cutter		" 10
Chisels, joiner's, assorted		" 200
Chisels, plane, small 1.1/4"		" 100
Chisels, double, plane 1.7/8"		" 100
Saw, steel, ribbon, toothed, for wood	1.3/16"	ft. 660
do.	1.9/16"	" 660
(for wood band saws) do.	2 "	" 660
Gloves, welders		Pairs 10
Reamers, taper 5/8" and 1.1/16"		Nº 50

STORE MATERIAL

Oil, brakes, Westinghouse	Kgs. 100
Borax, refined, blocks	" 250
Calcium, chloride	" 500
Ammonia salt, in cakes	" 200
Soda, ordinary	" 50000
Mantle, kerosene lampe 1/2"	ml. 600
do. 7/8"	" 1000
Asbestos, rope 1/4"	Kgs. 50
do. 3/8"	" 50
do. 5/8"	" 50
do. 11/16"	" 50
Asbestos, sheets, 1/13" ~~xxxx~~ thick	" 50

Declassified E.O. 12356 Section 3.3/NND No. 785021

STORE MATERIAL

Oil, brakes, Westinghouse	Kgs.	100
Borax, refined, blocks	"	250
Calcium, chloride	"	500
Ammonia salt, in cakes	"	200
Soda, ordinary	"	50000
Mantle, kerosene lampe 1/2"	ml.	600
do. 7/8"	"	1000
Asbestos, rope 1/4"	Kgs.	50
do. 3/8"	"	50
do. 5/8"	"	50
do. 11/16"	"	50
Asbestos, sheets, 1/13" ~~thin~~ thick	"	50
do. 1/8" "	"	50
do. 3/16" "	"	50
Plaster, board	"	100
Putty, for steam joints	"	500
Paper, Emery Nº2	"	600
do. " 3	"	600
do. " 00 sheets	"	200
do. " 1	"	200
do. " 2	"	200
do. " 3	"	200
Paper, Glass, Nº 00	"	200
do. " 1	"	200

Declassified E.O. 12356 Section 3.3/NND No. 735021

Paper, Glass, N°2, sheets	N°	200
do. " 3 "	"	200
Wire gauze for joints	"	250
Sealing - wax	"	100
Ink, black, copying	liters	50
Ink, permanent black, tracing	"	100
Pencil, black, ordinary N.1	"	500
do. " 2	"	1000
Pencil, black, ordinary, for drafting N.2	"	300
do. " 3	"	200
Ribbon, (Typewriter) 7/16", red and blue, plain	"	100
" " 1/2 " do.and black plain	"	100
" accounting machines 5/8"	"	100
Ribbons, Underwood, for telegraph	"	100
Paper, mimeograph 8.1/4" x 1'	Sheets	50000
do. 1" x 2'	"	50000
Paper, Squared	"	5000
Paper, drawing	"	100
Paper, ruled, "protocollo"	"	5000
Paper, ruled "uso bollo"	"	5000
Paper, carbon, typewriter	"	2000
Paper, tracing for telegraph	"	5000
Paper, blotting	"	500
Rubbers, pencil (eraser)	"	100
do ink	"	100

Declassified E.O. 12356 Section 3.3/NND No. 785021

Ribbon, (Typewriter) 7/16", red and blue, plain	"	100
" " 1/2 " do.and black plain	"	100
" accounting machines 5/8"	"	100
Ribbons, Underwood, for telegraph	"	100
Paper, mimeograph 8.1/4" x 1'	Sheets	50000
do. 1" x 2'	"	50000
Paper, Squared	"	5000
Paper, drawing	"	100
Paper, ruled, "protocollo"	"	5000
Paper, ruled "uso bollo"	"	5000
Paper, carbon, typewriter	"	2000
Paper, tracing for telegraph	"	5000
Paper, blotting	"	500
Rubbers, pencil (eraser)	"	100
do ink	"	100
Pencil; copying	"	1000
Pencils, carpenter	"	100
Pencils, copying, hard	"	100
Pens, ordinary (nibs)	"	500
Asbestos, sheets 1/16"	Kgs.	50
Hemp, carded	"	50

PAINTS AND DYES

Paint, red, quick drying for signalling	Kgs.	200
" green, for signalling	"	200
" white	"	300

Declassified E.O. 12356 Section 3.3/NND No. 785021

Paint, red, for wagons (rust resisting)	Kgs.	1000
Oil, lin seed, boiled	"	1000
Oil, tuepentine	"	100
Lead, zinc	"	1000
" red	"	1000

ROOFING MATERIAL

Tar Paper, 2 Ply	sq. m.	6000
Glass, screened	"	3000
Glass Screened, ordinary double	"	300

L U M B E R

Fir, boards 9/16" thick	cu.m.	25
do. do. 11/16" "	"	25
do. do. 13/16" "	"	50
do. do. 1"	"	25
Fir, boards and planks	"	25
Chestnut, board and planks	"	25
Beech, any dimension (for re-cutting)	"	25
Elm, planks, any dimension (for-re-cutting)	"	25
Oak, planks " " " "	"	50
Pitch-pine, boards and planks ~~and~~ or Silaho Pine	"	50
Ply wood 1/8"	sq.m.	100

Declassified E.O. 12356 Section 3.3/NND No. 785021

Glass Screened, ordinary double " 300

L U M B E R

Fir, boards 9/16" thick	cu.m.	25
do. do. 11/16" "	"	25
do. do. 13/16" "	"	50
do. do. 1"	"	25
Fir, boards and planks	"	25
Chestnut, board and planks	"	25
Beech, any dimension (for re-cutting)	"	25
Elm, planks, any dimension (for-re-cutting)	"	25
Oak, planks " " " "	"	50
Pitch-pine, boards and planks ~~or~~ or Silaho Pine	"	50
Ply wood 1/8"	sq.m.	100
do. 3/16"	"	100
do. 1/4 "	"	100
do. 3/8 "	"	100

LEATHER BELTING OR FABRIC (BALATA ETC.)

1"	300 ft.
1.3/16"	300 "
1.9/16"	500 "
2 "	660 "
2.3/16"	300 "

Declassified E.O. 12356 Section 3.3/NND No. 735021

2.3/8 "	530 ft.
2.3/4 "	660 "
3.3/16"	660 "
3.9/16"	500 "
3.15/16"	330 "
3.5/16 "	330 "
4.5/16"	330 "
3.3/4"	330 "
3.15/16"	170 "
5.1/8"	140 "
5.1/2"	100 "
6.5/16"	230 "
7.7/8"	66 "
9.1/16"	70 "
9.7/8"	70 "
10.1/4"	100 "

LEATHER HIDES

Leather hides	1/8"	Kgs.	150
do.	3/16"	"	100
Leather hides, for laces belting		"	100
do.	greased	"	200
do.	dry	"	100

Declassified E.O. 12356 Section 3.3/NND No. 785021

5.1/2"	100	
5.5/16"	230	"
7.7/8"	66	"
9.1/16"	70	"
9.7/8"	70	"
10.1/4"	100	"

LEATHER HIDES

Leather hides	1/8"	Kgs.	150
do.	3/16"	"	100
Leather hides, for laces belting		"	100
do.	greased	"	200
do.	dry	"	100

CAR ROOFING MATERIAL

Hemp, cloth, raw width 3 feet	ml.	700
Cotton cloth, white, width 3 feet	"	700
Yarn, raw, two threades, skein	"	50
" " three " "	"	50
" " for " "	"	50
Clona, linen, 4'	"	250
Roofing canvas, waterproof 11'	"	500

Declassified E.O. 12356 Section 3.3/NND No. 785021

AUTOMOBIL TIRES

Tires and inner tubes	140 x 40	N° 15
do.	165 x 40	" 15
do.	145 x 400	" 15
do.	5 x 25 x 16	" 15
do.	3 x 50 x 16	" 15
do.	5 x 50 x 15	" 10
do.	20 x 36	" 8
Tires for tractors	205 x 980	" 12

PERMANENT-WAY LUMBER

Ties, male oak, beech	m. 2,60 x 0,24 x 0,14	N° 15000
do.	" 1,80 x 0,24 x 14	" 3000
Planks oak & beech :		
m. 3 x 0.20 x 0,05		" 100
m. 4 x 0.20 x 0,08		" 100

Declassified E.O. 12356 Section 3.3/NND No. 785021

(29)

S I C I L I A N R A I L W A Y

P A L E R M O

***

VERY URGENT MATERIAL REQUISITION

(All Bolts and Nuts Universal Standard Threads)

PALERMO, 31 Maggio 1944

A/U

3332

Lgt Green

Declassified E.O. 12356 Section 3.3/NND No. 785021

0 7 2 0 8

Declassified E.O. 12356 Section 3.3/NND No. 785021

I R O N M A T E R I A L , V A R I O U S

Steel, raw, wire of	1/16 "	Kgs. 25
do.	3/16 "	" 25
do.	1/4 "	" 100
do.	3/8 "	" 50
M. Steel, bars, round	3/8 "	" 400
do.	1/2 "	" 500
do.	5/8 "	" 1000
do.	11/16 "	" 1000
do.	3/4 "	" 1000
do.	7/8 "	" 1000
do.	1 "	" 1000
do.	1.1/8"	" 1000
do.	1.3/16"	" 1000
do.	1.3/8"	" 1000
do.	1.9/16"	" 1000
do.	1.11/16"	" 1000
do.	1.3/3 "	" 2000
do.	2 "	" 1000
do.	2.3/8"	" 1000
do.	2.3/4"	" 1000
do.	3.1/8"	" 1000
do.	3.1/2"	" 1500
do.	3.15/16"	" 1500

	do.	11/16 "	" 1000
	do.	3/4 "	" 1000
	do.	7/8 "	" 1000
	do.	1 "	" 1000
	do.	1.1/8"	" 1000
	do.	1.3/16"	" 1000
	do.	1.3/8"	" 1000
	do.	1.9/16"	" 1000
	do.	1.11/16"	" 1000
	do.	1.3/3 "	" 2000
	do.	2 "	" 1000
	do.	2.3/8"	" 1000
	do.	2.3/4"	" 1000
	do.	3.1/8"	" 1000
	do.	3.1/2"	" 1500
	do.	3.15/16"	" 1500
M.	Steel, bars, square	1"	" 500
	do.	1.1/4 "	" 500
	do.	1.1/8 "	" 1000
M.	Steel, bars, rectangular	13/16" x 1/8"	" 1000
	do.	1.3/8" x 3/16" . . . 3321	" 500
	do.	1.9/16"x 3/16"	"1000
	do.	1.9/16"x 3/8"	" 500
	do.	2" x 3/16"	" 500
	do.	2" x 1/2 "	" 1500

0 2 2 1

Declassified E.O. 12356 Section 3.3/NND No. 785021

M.Steel, bars, rectangular	3.3/4" x 1"	Kgs.	1500
do.	4.15/16" x 5/8"	"	500
M2 Steel, bars, hex.	7/8"	"	200
DO.	~~1x1~~ 1.1/4"	"	200
do.	1.1/2"	"	200
do.	1.7/8"	"	500
M.Steel, plates, smooth, for springs	3.15/16" x 1/2"	"	500
do.	4.3/4" x 1/2"	"	500
do.	5.1/8" x 5/8"	"	500
M.Steel, frame braces, even sides	1.9/16" x 3/16"	"	300
do.	2" x 3/16"	"	500
do.	2.3/8" x 1/4"	"	500
do.	2.3/4" x 5/16"	"	200
do.	3" x 9/16"	"	200
do.	3.3/16" x 5/16"	"	200
do.	3.3/16" x 3/8"	"	1000
do.	3.9/16" x 3/8"	"	800
do.	3.15/15" x 1/2"	"	1500
do.	3.3/8 " x 3/8"	"	800
do.	3.3/8" x 9/16"	"	500
do.	4.3/4" x 1/2 "	"	500
do.	4.3/4" x 11/16"	"	800
M.Steel, frame braces, odd sides	1.9/16" x 2.3/8" x 1/4"	"	1000
do.	2 " x 2.9/16"x 5/16"	"	500

Declassified E.O. 12356 Section 3.3/NND No. 785021

	do.	2.3/8"	x 1/4"	" 500
	do.	2.3/4"	x 5/16"	" 200
	do.	3"	x 9/16"	" 200
	do.	3.3/16"	x 5/16"	" 200
	do.	3.3/16"	x 3/8"	" 1000
	do.	3.9/16"	x 3/8"	" 800
	do.	3.15/16"	x 1/2"	" 1500
	do.	3.3/8 "	x 3/8"	" 800
	do.	3.3/8"	x 9/16"	" 500
	do.	4.3/4"	x 1/2 "	" 500
	do.	4.3/4"	x 11/16"	" 800
M.Steel, frame braces, odd sides		1.9/16"	x 2.3/8" x 1/4"	" 1000
	do.	2 "	x 2.9/16" x 5/16"	" 500
	do.	2 "	x 3 " x 5/16"	" 500
	do.	2.9/16"	x 5.1/8" x 7/16"	" 500
	do.	3"	x 3.15/16" x 3/8"	" 500
	do.	3.3/16"	x 4.3/4" x 1/2"	" 500
	do.	3.9/16"	x 5.1/8" x 9/16"	" 500
	do.	3.15/16"	x 5.15/16" x 9/16"	N° 500
Tin, sheets, simple		2' x 3'		N° 200
" " double		2'x 4'		" 200
M. Steel, plate		1/16"		" 100
" tubing		1.1/2" x 5/16"		Kgs. 200
	do.	1.3/4" x 5/16"		" 500
	do.	2.1/4" x 3/8"		" 500
	do.	3" x 11/16"		" 500

Declassified E.O. 12356 Section 3.3/NND No. 785021

Steel, tubing	3.5/16" x 5/8"		Kgs.	500
do.	3.3/4" x 9/16"		"	500
do.	4.1/4" x 9/16"		"	500
do.	5.1/2" x 1.1/16"		"	200
K. Steel, tubing for boiler tube ends	1.3/4" x 1.9/16"		N°	50
do.	2" x 1.13/15"		"	50
do.	2.1/16" x 1.7/8"		"	150
do.	5.1/4" x 4.15/16"		"	50
Rivets, Mild steel,	small round head	7/8" x 2.3/16"	Kgs.	1000
do.		7/8" x 2.3/8"	"	1000
do.		7/8" x 2.9/16"	"	1000
do.		7/8" x 2.3/4"	"	1000
do.		7/8" x 2.15/16"	"	1000
do.		7/8" x 3.3/16"	"	1000
do.		7/8" x 3.3/8"	"	1000
do.		7/8" x 3.9/16"	"	1000
do.		7/8" x 3.15/16"	"	1000
do.		7/8" x 4.5/16"	"	1000
do.		7/8" x 4.3/4"	"	1000
do.		5/8" x 1.3/8"	"	200
do.		5/8" x 3.3/16"	"	200
do.		3/4" x 2.9/16"	"	200
do.		3/4" x 3.3/8"	"	200
do.	round, large head	5/8" x 1.3/8"	"	200
do.		11/16" x 2.3/4"	"	100

Declassified E.O. 12356 Section 3.3/NND No. 785021

do.	7/8"	x 2.9/16"	" 1000
do.	7/8"	x 2.3/4"	" 1000
do.	7/8"	x 2.15/16"	" 1000
do.	7/8"	x 3.3/16"	" 1000
do.	7/8"	x 3.3/8"	" 1000
do.	7/8"	x 3.9/16"	" 1000
do.	7/8"	x 3.15/16"	" 1000
do.	7/8"	x 4.5/16"	" 1000
do.	7/8"	x 4.3/4"	" 1000
do.	5/8"	x 1.3/8"	" 200
do.	5/8"	x 3.3/16"	" 200
do.	3/4"	x 2.9/16"	" 200
do.	3/4"	x 3.3/8"	" 200
do. round, large head	5/8"	x 1.3/8"	" 200
do.	11/16"	x 2.3/4"	" 100
do.	11/16"	x 3.3/16"	" 100
do.	3/4"	x 3.9/16"	" 100
do.	3/4"	x 3.3/8 "	" 100
do.	13/16"	x 2.3/16"	" 100
do.	13/16"	x 2.15/16"	" 100
do.	13/16"	x 3.3/8 "	" 100
do.	13/16"	x 3.9/16"	" 100
do.	13/16"	x 3.15/16"	100
do.	13/16"	x 4.3/4"	" 100
do.	13/16"	x 5.1/6"	" 100

Declassified E.O. 12356 Section 3.3/NND No. 750021

Rivets, soft iron, round, head	1/8" x 3/8"	Kgs.	50
do.	1/8" x 3/4"	"	50
do.	3/16"x 3/8"	"	50
do.	3/16"x 3/4"	"	50
do.	3/16"x 1"	"	100
Nuts, hex., black finish steel, plain	1/4"	"	50
do.	5/16"	"	50
do.	3/8 "	"	100
do.	1/2 "	"	200
do.	5/8"	"	300
do.	3/4 "	"	300
do.	7/8"	"	500
do.	1 "	"	500
do.	1.1/8"	"	400
do.	1.1/4"	"	300
do.	1.3/8"	"	100
do.	1.1/2"	"	200

Key bolts, black finish steel, complete hex. head

	dia.	length	Threaded length		
hex nut	1/4" x	1.3/16"	x 1"	Kgs.	100
do.	1/4" x	1.9/16"	x 1"	"	200
do.	1/4" x	2.3/8"	x 1"	"	200
do.	5/16"x	1 "	x 1"	"	200
do.	5/16"x	1.9/16"	x 1.3/16"	"	300

Declassified E.O. 12356 Section 3.3/NND No. 785021

do.	7/8"	"	500
do.	1 "	"	500
do.	1.1/8"	"	400
do.	1.1/4"	"	300
do.	1.3/8"	"	100
do.	1.1/2"	"	200

Key bolts, black finish steel, complete hex. head

	dia.	length	Threaded length	
hex nut	1/4"	x 1.3/16"	x 1"	x"ga. 100
do.	1/4"	x 1.5/16"	x 1"	" 200
do.	1/4"	x 2.3/8"	x 1"	" 200
do.	5/16"	x 1 "	x 1"	" 200
do.	5/16"	x 1.9/16"	x 1.3/16"	" 300
do.	5/16"	x 2.3/8"	x 1.3/16"	" 300
do.	3/8"	x 1.9/16"	x 1.9/16"	" 500
do.	3/8"	x 2"	x 1.1/2 "	" 500
do.	3/8"	x 2.3/8"	x 1.1/2"	" 200
do.	3/8"	x 3.3/16"	x 1/2"	" 200
do.	1/2"	x 2.3/4"	x 1.3/4"	" 200
do.	5/8"	x 2"	x 2"	" 200
do.	5/8"	x 2.3/4"	x 2"	" 500
do.	5/8"	x 2.3/8"	x 2.3/8"	" 500
do.	5/8"	x 3.3/16"	x 2"	" 200
do.	13/16"	x 2.3/4"	x 2.3/4"	" 500
do.	13/16"	x 3.3/16"	x 2.3/8"	" 500

Universal Standard threads

0 7 2 7

Declassified E.O. 12356 Section 3.3/NND No. 785021

Key bolts, black finish, steel, complete hex head,

	dia.	length	Threaded length		
hex nut	15/16" x	2.3/8" x	2.3/8"	Kgs.	500
do.	15/16" x	3.15/16" x	2.3/4"	"	500

(Universal Standard threads)

Bolts, raw steel, complete, square head	3/8" x 2" x 1.1/2"	"	100
do.	1/2"x2.3/8"x1.3/4"	"	100
Bolts, raw steel, complete, round head	1/2"x2.3/8"x1.3/4"	"	200
Bolts, counter sunk head	5/8"x3.1/2"x2"	"	100
Bolts, hook, rectangular head	3/8"x2" x 1.1/2"	"	100
do.	1/2"x2.3/8"x1.3/4"	"	500
do.	1/2"x3.3/16"x1.3/4"		400
Bolt, hook, hex, head	1/4"x1.3/16"x3/16"	"	50
do.	1/4"x2.3/8" x3/16"	"	50
do.	5/16"x2.3/8"x1"	"	50
do.	3/8" x1.9/16"x1/4"	"	50
do.	3/8" x2" x 1/4"	"	50
do.	3/8" x2.3/8"x1.1/4"		50

Bolts, black finish steel, complete hex. head

hex nut.	3/8" x 3.3/16" x 1/4"	"	50
do.	3/8" x 3.15/16"x 1.3/16"	"	50
do.	1/2" x 3.3/16" x 1.1/2"	"	100
do.	1/2" x 4.3/4" x 1.3/4"	"	100
do.	5/16"x 1.3/16" x 3"	"	40

Declassified E.O. 12356 Section 3.3/NND No. 735021

	do.	1/4"x1.3/16"x3/16"	" 50
Bolt, hook, hex, head		1/4"x2.3/8" x3/16"	" 50
	do.	5/16"x2.3/8"x1"	" 50
	do.	3/8" x1.9/16"x1/4"	" 50
	do.	3/8" x2" x 1/4"	" 50
	do.	3/8" x2.3/8"x1.1/4"	50
	do.		
Bolts, black finish steel, complete hex. head			
	hex nut.	3/8" x 3.3/16" x 1/4"	" 50
	do.	3/8" x 3.15/16"x 1.3/16"	" 50
	do.	1/2" x 3.3/16" x 1.1/2"	" 100
	do.	1/2" x 4.3/4" x 1.3/4"	" 100
	do.	5/16"x 1.3/16" x 1"	" 40
	do.	5/16"x 3.3/16" x 1"	" 40
	do.	3/8" x 3.5/16" x 1.1/2"	" 50
	do.	5/8" x 3.9/16" x 1.3/4"	" 50
	do.	5/8" x 4.5/16" x 2"	" 50
	do.	5/8" x 4.3/4" x 2"	" 50
	do.	5/8" x 5.15/16"x 2"	" 50
Cotter pins, steel, for bolts		1/16"x 5/16"	" 50
	do.	1/16" x 13/16"	" 50
	do.	1/8" x 1.3/16"	" 500
	do.	1/8" x 2.3/16"	" 100

Declassified E.O. 12356 Section 3.3/NND No. 785021

Cotter pins, steel, for bolts,	1/8" x 1.9/16"	Kgms.	100
do.	1/8" x 2.3/8"	"	100
do.	3/16"x 1.15/16"	"	100
do.	3/16"x 2.3/8"	"	100
do.	3/16"x 3.1/8"	"	100
do.	1/4" x 2.3/8"	"	200
do.	1/4" x 2.3/4"	"	200
do.	1/4" x 2.9/16"	"	200
do.	1/4" x 3.5/16"	"	200
do.	1/4" x 3.9/16"	"	100
do.	5/16"x 3.9/16"	"	200
do.	5/16"x 4.5/16"	"	300
do.	3/8" x 3.15/16"	"	200
Screws, steel, for wood, round head	1/8" x 1.3/16"	grösses	20
do.	3/16"x 1"	"	50
do.	3/16"x 1,3/8"	"	100
Screws, flat head (wood)	1/16"x 3/8"	"	20
do.	1/16"x 5/8"	"	20
do.	1/16"x 3/16"	"	20
do.	1/8 "x 5/8"	"	20
do.	1/8" x 13/16"	"	100
do.	1/8" x 1"	"	20
do.	1/8" x 1.3/16"	"	20
do.	1/8" x 1.3/8"	"	20
do.	1/8" x 1.9/16"	"	20

Declassified E.O. 12356 Section 3.3/NND No. 785021

do.	1/4" x 2.3/16"	"	100
do.	5/16"x 3.9/16"	"	200
do.	5/16"x 4.5/16"	"	300
do.	3/8" x 3.15/16"	"	200
Screws, steel, for wood, round head	1/8" x 1.3/16"	Grosses	20
do.	3/16"x 1"	"	50
do.	3/16"x 1,3/8"	"	100
Screws, flat head (wood)	1/16"x 3/8"	"	20
do.	1/16"x 5/8"	"	20
do.	1/16"x 3/16"	"	20
do.	1/8 "x 5/8"	"	20
do.	1/8" x 13/16"	"	100
do.	1/8" x 1"	"	20
do.	1/8" x 1.3/16"	"	20
do.	1/8" x 1.3/8"	"	20
do.	1/8" x 1.9/16"	"	20
do.	3/16" x 1.3/16"	"	100
do.	3/16" x 1.9/16"	"	100
do.	3/16" x 1.15/16"	"	200
Screws, wood, square head	3/8 " x 2.3/8"	"	300
do.	3/8" x 3.3/16"	"	400
Screws, steel, for metals, flat head	1/4"	Kgs.	10
do.	3/8"	"	10
do.	3/16"	"	10
do.	3/8 "	"	10
Tacks, flat head	1/16" x 5/8"	"	100
do.	1/16" x 1"	"	100

Declassified E.O. 12356 Section 3.3/NND No. 785021

Tacks, flat head	1/15" x 1.3/8"	Kgs.	100
do.	1/15" x 1.1/16"	"	300
DO.	1/8 " x 2"	"	200
do.	1/8" x 3.3/4"	"	200
do.	3/16" x 3.15/16"	"	200
Tacks, round head	1/16" x 5/8"	"	25
do.	1/16" x 1.3/16"	"	25
do.	1/8 " x 2.3/4"	"	25
Tacks, cone head	1/16" x 3/8"	"	50
do.	1/16" x 9/16"	"	50
do.	1/16" x 1"	"	100

WESTINGHOUSE SPARE PARTS

(Reference W.H.B. - Spare Catalogue, Italian Edition, Turin, 1909, and subsequent additions)

Top head complete, of steam cylinder, air pump	Tab.V^{c} - 60	N° 5
Valve, distribution, air pump Type F.	Tab.V^{c} - 65	" 25
Slide valve rod (tandem pumps)	Tab.174- 83	" 50
Packings, piston threefold valves, ordinary	Tab.VIII-10	" 40
" , rings, " high speed	Tab.109- 9	"100
" large " " "	Tab.109- 10	" 40
Diaphragm, feed valve	Tab.110^{h}-13	" 50
Gaskets, rubber, for coupled head 1"	Tab.XI - 3	"1000
do.	Tab/111- 3	" 300

Declassified E.O. 12356 Section 3.3/NND No. 785021

do.	1/16" x 9/16"	"	50
do.	1/16" x 1"	"	100

WESTINGHOUSE SPARE PARTS

(Reference W.H.B. - Spare Catalogue, Italian Edition, Turin, 1906, and subsequent additions)

Top head complete, of steam cylinder, air pump	Tab.V^{c} - 60	Nº	5
Valve, distribution, air pump Tupo F.	Tab.V^{c} - 65	"	25
Slide valve rod (tandem pompe)	Tab.174- 83	"	50
Packings, piston threefold valve, ordinary	Tab.VIII-10	"	40
" , rings, " high speed	Tab.109- 9	"	100
" large " " "	Tab.109- 10	"	40
Diaphragm, feed valve	Tab.110^{h}-13	"	50
Gaskets, rubber, for coupled head I"	Tab.XI - 3	"	1000
do.	Tab.111- 3	"	300
Hose ft. 2 x 1.3/4" x 1.1/8" (mm.610x45x28)	Tab.XI - 5	"	300
" " 3 x 1.3/4" x 1.1/8" (" 760x45x28)	Tab.XI^{a}- 4	"	300
Springs, piston, non authomatic brake	Tab.XXVII-9	"	50
Gaskets, leather, small, threefond valve, high speed	Tab.109 - 15	"	100
" "for ~~assdix~~ conduit valve, high speed, 6", 8", 10"	Tab.XXXI- 23^{a}"		120
Hose for ordinary coupling 2"x1.3/4" x1.1/8" (m/m. 610 x 45 x 28)	~~Xxxx~~		"1000

3328

Declassified E.O. 12356 Section 3.3/NND No. 785021

MATERIAL FOR OXY-ACET WELDING

Steel, soft, wire, dia.	1/8"		Kgs. 1000
" " " "	3/16"		" 1000
" " " "	1/4"		" 2000
" " " "	5/16"		" 1500
Bronze, special, for welding cast-iron bars	1/8"		" 100
do.	3/16"		" 200
Brass, phosphor, wire	1/8"		" 200
do.	1/4"		" 300
do.	5/16"		" 300
Brass, bars	1/8 "		" 200
do.	3/16"		" 500
do.	5/16"		" 1000
do.	3/8"		" 500
Copper, electrolytic, pure, pre-heat			" 500

ELECTRIC MATERIAL

German silver, wire, raw	m/m.	0.10	or nearer	Kgs.	5
do.	"	0.20	"	"	5
do.	"	0.30	"	"	5
do.	"	0.50	"	"	5
do.	"	0.80	"	"	5
do. plate	"	0.03	"	"	5
do.	"	0.05	"	"	5

Declassified E.O. 12356 Section 3.3/NND No. 735021

do.				
Brass, bars	1/8 "		"	200
do.	3/16"		"	500
do.	5/16"		"	1000
do.	3/8"		"	500
Copper, electrolytic, pure, pre-heat			"	500

ELECTRIC MATERIAL

German silver, wire, raw	m/m.	0.10	or nearer	Kgs.	5
do.	"	0.20	"	"	5
do.	"	0.30	"	"	5
do.	"	0.50	"	"	5
do.	"	0.80	"	"	5
do. plate	"	0.03	"	"	5
do.	"	0.05	"	"	5
do.	"	1	"	"	10
Lead, alloy, fuse	1/16"		"	"	50
Tape, white and black				ft.	3000
Dry Batteries, cylindric, unloading time 3250 hours uniterrupted, 30 ohms, 100 ampere hours				Nº	1000
Dry batteries, square, unloading time 3400 hours uninterrupeted, 10 ohm, 330 ampere hours				"	1000
Dry batteries for signals, unloading time 5000 hours uninterrupeted, 700 ampere hours				"	1000

Page

Declassified E.O. 12356 Section 3.3/NND No. 785021

ELECTRICAL AND SIGNAL STORES

Wire, steel, tweested, 4 strands 1/8"	ml.	10.000
Wire, steel, tweested, 24 strands 1/4"	Kgs.	1.000
Bronze, phosphorous, 1/8" undressed	"	± 500
" " 1/16" "	"	500
Wire, iron, galvanized 1/16"	"	500
" " " 1/8 "	"	1000
" steel, galvanized 3/16"	"	5000
Telephones, selective, western type	Nº	20
Bulbs, 23 Volts, 20 Watts	"	500
" 150/160", 40 "	"	500
" 150/160" ~~&~~ 25 "	"	1000
" 150/160" 60 "	"	250
Wrenches, adjustable, from 3/16" to 1/8"	"	50
" " " 3/8 " to 2"	"	50
Pincers, universal, insulated handle	"	100
Voltmeters, pocket, from 3.30 to 150 Volts	"	50
Milliampere balance, pocket, from 30.15 to 750 Ampere"		50

Emery wheels, for smoothing	Est. 2"	x	Int. 6.5/16"	x	Width. 2.3/8"	Nº 10
" " " sharpening tools	7.7/8"	x	1.3/16"	x	13/16"	" 10
" " " " "	7.7/8"	x	1.3/16"	x	1.3/16"	" 10
" " " " "	3.15/16"	x	9/16"	x	3/8"	" 20

Declassified E.O. 12356 Section 3.3/NND No. 785021

"	150/160", 40 "	"	1000
"	150/160" 25 "	"	250
"	150/160" 60 "	"	50
Wrenches, adjustable, from 3/16" to 1/8"		"	50
" " " 3/8 " to 2"		"	100
Pincers, universal, insulated handle		"	50
Voltmeters, pocket, from 3.30 to 150 Volt.			50
Milleampere balance, pocket, from 30.15 to 750 Ampere"			

Emery wheels, for smoothing	Est. 2" x Int. 6.5/16" x Width. 2.3/8"	N°	10
" " " sherpening tools	7.7/8"x1.3/16"x13/16"	"	10
" " " " "	7.7/8"x1.3/16"x1.3/16"	"	10
" " " " "	3.15/16"x9/16"x3/8"	"	20

3327

Steel, carbon, round bars, for tools, 5/8" dia.		Kgs.	50
" " " " " " 1" "		"	50
" " square bars, " " 1" "		"	50
" " " " " " 1.9/16"		"	50
Steel, High Speed, for tools, square bars od 1"		"	50
" " " rectangular bars of 1.3/16"x1"		"	50

Declassified E.O. 12356 Section 3.3/NND No. 785021

T O O L S

	(Burners)	
	Plant, oxy-acet, welding, high pressure, hand welding, ect	N° 6
	do. cutting "	" 4
	Files	"1000
	Files, three-square	"1500
	Files, flat	"1200
	Files, Knives	" 100
	Files, round	" 700
	" square	" 500
	Gauges, regulators, oxygen type	" 5
	" , press 400 Tons. for hydraulic Press	" 1
	Pliers, electric, soldering	" 30
	Spanners, for bolts, assorted, double ended, straight 1/16"/1"	50
	Saw, circular (wood) 16" ext. dia.	N° 10
	Tap and die sets, hand threading, 1/4"	" 10
	do. 5/16"	" 10
	do. 3/8 "	" 10
	do. 7/16"	" 10
	do. 1/3"	" 20
	do. 9/10"	" 10
	do. 5/8 "	" 20
	do. 11/16"	" 10

Declassified E.O. 12356 Section 3.3/NND No. 785021

" square		" 500
Gauges, regulators, oxygen type		" 5
" , press 400 Tons. for hydraulic Press		" 1
Pliers, electric, soldering		" 30
Spanners, for bolts, assorted, double ended, straight	1/16"/1"	50
Saw, circular (wood) 16" ext. dia.		No 10
Tap and die sets, hand threading,	1/4"	" 10
do.	5/16"	" 10
do.	3/8 "	" 10
do.	7/16"	" 10
do.	1/3"	" 20
do.	9/16"	" 10
do.	5/8 "	" 20
do.	11/16"	" 10
do.	3/4 "	" 20
do.	7/8 "	" 20
do.	1 "	" 20
do.	1.1/8"	" 10
do.	1.1/4"	" 10
do.	1.3/8"	" 5
do.	1.1/2"	" 5
do.	1/4"	" 10
do.	5/16"	" 10
do.	7/16"	" 5
do.	1/3 "	" 15
do.	9/16"	" 5
do.	5/8"	" 15
do.	11/16"	" 5

Universal Standard threads

Declassified E.O. 12356 Section 3.3/NND No. 785021

Tap and die sets,	3/4"	N° 15
do.	7/8"	" 15
do.	1 "	" 10
do.	1.1/8"	" 5
do.	1.1/4"	" 5
do.	1.3/8"	" 5
do.	1.1/2"	" 5
Tube, cutter, up to dia.	5/8"	" 6
do.	2.9/16"	" 6
Ohm tester		" 1
Voltmeter up to 300 volts		" 1
Ammeter " " 500 "		" 1
Rasps, for wood, half round, assorted		" 200
Plane-chisels, for wood		" 25
Gimlets, screws, propeller	1/2"	" 200
do.	9/16"	" 200
do.	5/8 "	" 200
do.	11/16"	" 200
do.	13/16"	" 200
Gimlets, screw, propeller shape	1/2"	" 100
Twist drill for metals,	1/16" to 7/16" assorted	" 600 Parall
do. for staybolts	1/8 " to 3/16"	" 200
Drills, carbon steel staybolts chuck, up to	1/2"assorted	" 400 Morse Taper
Hand drill, bits, assorted from	1/2" up to 13/16" (10 of 1")	" 100
		" 400

Declassified E.O. 12356 Section 3.3/NND No. 785021

Voltmeter up to 300 volts	"	1
Ammeter " " 500 "	"	1
Rasps, for wood, half round, assorted	"	200
Plane-chisels, for wood	"	25
Gimlets, screws, propeller 1/2"	"	200
do. 9/16"	"	200
do. 5/8 "	"	200
do. 11/16"	"	200
do. 13/16"	"	200
Gimlets, screw, propeller shape 1/2"	"	100
Twist drill for metals, 1/16" to 7/16" assorted	"	600 Parall
do. for staybolts 1/8 " to 3/16"	"	200
Drills, carbon steel staybolts chuck, up to 1/2"assorted	"	400 Carpe Tape
Hand drill, bits, assorted from 1/2" up to 13/16" (10 of 1")	"	100
Saw ~~mark~~ hawl, blades	"	400
Drill sockets, up to 3/8" parallel	"	10
do. up to 5/8"	"	10
Drill breasts	"	10
Milling cutters, A.IO 1322 (Reference B.S.I. of A.S.A.)	"	10
do. A. I4 - 1330	"	10
do. A. 26 - 1350	"	10
do. A. 30 - 1355	"	10
Stock and dies, threading, 1/8" to 3/8"	"	10
do. 1/2"	"	10
Spanners, adjustable	"	50
Hose, pneumatic 15/16" x 1/2" x 33'	"	50

3326

Declassified E.O. 12356 Section 3.3/NND No. 785021

Hose, for gas pipes 11/16" x 3/8" x 33'		Nº 25
Glass cutter		" 10
Chisels, joiner's, assorted		" 200
Chisels, plane, small 1.1/4"		" 100
Chisels, double, plane 1.7/8"		" 100
Saw, steel, ribbon, toothed, for wood	1.3/16"	ft. 660
do.	1.9/16"	" 660
(for wood band saws) do.	2 "	" 660
Gloves, welders		Pairs 10
Reamers, taper 5/8" and 1.1/16"		Nº 50

STORE MATERIAL

Oil, brakes, Westinghouse	Kgs. 100
Borax, refined, blocks	" 250
Calcium, chloride	" 500
Ammonia salt, in cakes	" 200
Soda, ordinary	" 50000
Mantle, kerosene lamps 1/2"	ml. 600
do. 7/8"	" 1000
Asbestos, rope 1/4"	Kgs. 50
do. 3/8"	" 50
do. 5/8"	" 50
do. 11/16"	" 50

Declassified E.O. 12356 Section 3.3/NND No. 785021

STORE MATERIAL

Oil, brakes, Westinghouse	Kgs.	100
Borax, refined, blocks	"	250
Calcium, chloride	"	500
Ammonia salt, in cakes	"	200
Soda, ordinary	"	50000
Mantle, kerosene lamps 1/2"	ml.	600
do. 7/8"	"	1000
Asbestos, rope 1/4"	Kgs.	50
do. 3/8"	"	50
do. 5/8"	"	50
do. 11/16"	"	50
Asbestos, sheets, 1/13" ~~thic~~ thick	"	50
do. 1/8" "	"	50
do. 3/16" "	"	50
Plaster, board	"	100
Putty, for steam joints	"	500
Paper, Emery N°2	"	600
do. " 3	"	500
do. " 00 sheets	"	200
do. " 1	"	200
do. " 2	"	200
do. " 3	"	200
Paper, Glass, N° 00	"	200
do. " 1	"	200

Declassified E.O. 12356 Section 3.3/NND No. 785021

Paper, Glass, N°2, sheets	N°	200
do. " 3 "	"	200
Wire gauze for joints	"	250
Sealing - wax	"	100
Ink, black, copying	liters	50
Ink, permanent black, tracing	"	100
Pencil, black, ordinary N.1	"	500
do. " 2	"	1000
Pencil, black, ordinary, for drafting N.2	"	300
do. " 3	"	200
Ribbon, (Typewriter) 7/16", red and blue, plain	"	100
" " 1/2 " do.and black plain	"	100
" accounting machines 5/8"	"	100
Ribbons, Underwood, for telegraph	"	100
Paper, mimeograph 8.1/2" x 1'	Sheets	50000
do. 1" x 2'	"	50000
Paper, Squared	"	5000
Paper, drawing	"	100
Paper, ruled, "protocollo"	"	5000
Paper, ruled "uso bollo"	"	5000
Paper, carbon, typewriter	"	2000
Paper, tracing for telegraph	"	5000
Paper, blotting	"	500
Rubbers, pencil (eraser)	"	100
do ink	"	

Declassified E.O. 12356 Section 3.3/NND No. 785021

" " 1/2 " do.and black plain	"	100
" accounting machines 5/8"	"	100
Ribbons, Underwood, for telegraph	"	100
Paper, mimeograph 8.1/4" x 1'	Sheets	50000
do. 1" x 2'	"	50000
Paper, Squared	"	5000
Paper, drawing	"	100
Paper, ruled, "protocollo"	"	5000
Paper, ruled "uso bollo"	"	5000
Paper, carbon, typewriter	"	2000
Paper, tracing for telegraph	"	5000
Paper, blotting	"	500
Rubbers, pencil (eraser)	"	100
do ink	"	100
Pencil, copying	"	1000
Pencils, carpenter	"	100
Pencils, copying, hard	"	100
Pens, ordinary (nibs)	"	500
Asbestos, sheets 1/16"	Kgs.	50
Hemp, carded	"	50

3325

PAINTS AND DYES

Paint, red, quick drying for signalling	Kgs.	200
" green, for signalling	"	200
" white	"	300

Declassified E.O. 12356 Section 3.3/NND No. 785021

Paint, red, for wagons (rust resisting)	Kgs.	1000
Oil, lin seed, boiled	"	1000
Oil, tuepentine	"	100
Lead, zinc	"	1000
" red	"	1000

ROOFING MATERIAL

Tar Paper, 2 Ply	sq. m.	6000
Glass, screened	"	3000
Glass Screened, ordinary double	"	300

L U M B E R

Fir, boards 9/16" thick	cu. m.	25
do. do. 11/16" "	"	25
do. do. 13/16" "	"	50
do. do. 1"	"	25
Fir, boards and planks	"	25
Chestnut, board and planks	"	25
Beech, any dimension (for re-cutting)	"	25
Elm, planks, any dimension (for re-cutting)	"	25
Oak, planks " " " "	"	50
Pitch-pine, boards and planks or Dilaho Pine	"	50
Plywood 3/8"		

Declassified E.O. 12356 Section 3.3/NND No. 785021

Glass screened, ordinary double	"	300

L U M B E R

Fir, boards 9/16" thick	sq.m.	25
do. do. 11/16" "	"	25
do. do. 13/16" "	"	50
do. do. 1"	"	25
Fir, boards and planks	"	25
Chestnut, board and planks	"	25
Beech, any dimension (for re-cutting)	"	25
Elm, planks, any dimension (for-re-cutting)	"	25
Oak, planks " " " "	"	50
Pitch-pine, boards and planks ~~ak~~ or Silano Pine	"	50
Ply wood 1/8"	sq.m.	100
do. 3/16"	"	100
do. 1/4 "	"	100
do. 3/8 "	"	100

LEATHER BEDDING OR FABRIC (BALATA ETC.)

1"	300 ft.
1.3/16"	300 "
1.9/16"	500 "
2 "	660 "
2.3/16"	300 "

0.7.47
Declassified E.O. 12356 Section 3.3/NND No. 785021

2.3/8 "	530 ft.
2.3/4 "	660 "
3.3/16"	660 "
3.9/16"	500 "
3.13/16"	330 "
3.5/16 "	330 "
4.5/16"	330 "
3.3/4"	330 "
3.15/16"	170 "
5.1/8"	140 "
5.1/2"	100 "
6.5/16"	230 "
7.7/8"	66 "
9.1/16"	70 "
9.7/8"	70 "
10.1/4"	100 "

LEATHER HIDES

Leather hides	1/8"	Kgs.	150
do.	3/16"	"	100
Leather hides, for laces belting		"	100
do.	greased	"	200
do.	dry	"	100

Declassified E.O. 12356 Section 3.3/NND No. 785021

5.1/8"	140	"
5.3/8"	100	"
6.5/16"	230	"
7.7/8"	60	"
9.1/16"	70	"
9.7/8"	70	"
10.1/4"	100	"

LEATHER HIDES

Leather hides	1/8"	Kgs.	150
do.	3/16"	"	100
Leather hides, for laces belting		"	100
do.	greased	"	200
do.	dry	"	100

3324

CAR ROOFING MATERIAL

Hemp, cloth, raw width 3 feet	ml.	700
Cotton cloth, white, width 3 feet	"	700
Yarn, raw, two threades, skein	"	50
" " three " "	"	50
" " for " "	"	50
Clone, linen, 4'	"	250
Roofing canvas, waterproof 11'	"	500

Declassified E.O. 12356 Section 3.3/NND No. 785021

AUTOMOBILE TIRES

Tires and inner tubes	140 x 4D	N° 15
do.	165 x 40	" 15
do.	145 x 400	" 15
do.	5 x 25 x 16	" 15
do.	3 x 50 x 16	" 15
do.	5 x 50 x 15	" 10
do.	20 x 36	" 8
Tires for tractors	205 x 980	" 12

PERMANENT-WAY TIMBER

Ties, male oak, beech	m. 2,60 x 0,24 x 0,14	N° 15000
do.	" 1,80 x 0,24 x 14	" 3000
Planks oak & beech :		
m. 3 x 0.20 x 0,05		" 100
m. 4 x 0.20 x 0,08		" 100

Declassified E.O. 12356 Section 3.3/NND No. 785021

List # 4

STORES DEPARTMENT

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)

- - - -

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

Declassified E.O. 12356 Section 3.3/NND No. 785021

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

3323

Declassified E.O. 12356 Section 3.3/NND No. 785031

0755

Declassified E.O. 12356 Section 3.3/NND No. 785021

VARNISHES, COLOURING MATERIALS, BRUSHES, FLAT PAINT BRUSHES (for varnishing of wood parts of cars)

1-	Turpentine essential	tons	100
2-	Crude and boiled linseed oil (for varnishing and impermeabilization of olona cloth for car roofs)	"	250
3-	Mineral turpentine (Canvas)	"	50
4-	Zinc white	"	25
5-	Mixed zinc white	"	5
6-	Lead minium	"	15
7-	Dragon red	"	40
8-	Lampblack	"	5
9-	Svernicatore (a product used for rubbing off paint from coaches)	"	15
10-	Gum lac A.B.T.N. (trade Mark "Angelo) (used to prepair insulating varnishes and for electric machines)	"	2
11-	Bristle brushes (type n. 12) 7/8 " round	No	600
12-	" " (" " 13) 1/" "	"	600
13-	" " (" " 14) 1 3/16" round	"	600
14-	" " (" " 15) 1 3/8" round	"	500
15-	" " (" " 16) 1 3/4" round	"	500
16-	" " (" " 17) 2 1/8" round	"	500
17-	Horse Hair " Brushes (type n. 8) 1/2" round (for glue and gum)	"	1000
18-	Horse Hair " Brushes (type n. 9) 1" round (for glue and gum)	"	700

3332

Declassified E.O. 12356 Section 3.3/NND No. 785021

LEATHER BELTS

(used at Railway workshops for transmission of motive power to tool Machines)

SIMPLE

I - Leather Belts

width	1"	thickness approx.	1/5"	Yards	200
"	1-1/5	"	"	"	"	300
"	1-2/5	"	"	"	"	300
"	1-3/5	"	"	"	"	500
"	1-4/5	"	"	"	"	300
"	2"	"	"	"	"	300
"	2-2/5	"	"	"	"	600
"	2-4/5	"	"	"	"	700
"	3"	"	"	"	"	200
"	3-1/5	"	"	"	"	600
"	3-3/5	"	"	1/4"	"	200
"	3-3/5	"	"	"	"	500
"	4"	"	"	"	"	600
"	4-2/5	"	"	"	"	500
"	4-4/5	"	"	"	"	200

DOUBLE

II- Leather Belts

width	2"4/5	thickness approx.	1/2"	Yards	100
"	3-3/5	"	"	"	200
"	4"	"	"	"	200
"	4-2/5	"	"	"	300
"	4-4/5	"	"	"	400
"	5-3/5	"	"	"	300

3321

0755

Declassified E.O. 12356 Section 3.3/NND No. 785021

LEATHERS AND THIN LEATHERS

(tanned hides)

(used at Railway workshops for the manufacture of various packings for locomotives, hydraulic pumps, etc.)

1- DORSAL DRY LEATHER-

Thickness between 1/6" and 1/4" tons 3

2- DORSAL GREASY LEATHER-

Thickness between 1/6" and 1/4" " 2

3- THIN LEATHER-

Uniform thickness 1/6" " 2

4- THIN LEATHER-

Uniform thickness 1/12" " 3

3320

LEATHERS AND THIN LEATHERS

(tanned hides)

(used at Railway workshops for the manufacture of various packings for locomotives, hydraulic pumps, etc.)

1- DORSAL DRY LEATHER-

Thickness between 1/6" and 1/4" tons 3

2- DORSAL GREASY LEATHER-

Thickness between 1/6" and 1/4" " 2

3- THIN LEATHER-

Uniform thickness 1/6" " 2

4- THIN LEATHER-

Uniform thickness 1/12" " 3

Declassified E.O. 12356 Section 3.3/NND No. 785021

2- DORSAL GREASY LEATHER-

Thickness between 1/6" and 1/4" " 2

3- THIN LEATHER-

Uniform thickness 1/6" " 2

4- THIN LEATHER-

Uniform thickness 1/12" " 3

3320

Declassified E.O. 12356 Section 3.3/NND No. 785021

C H E M I C A L S

1 -	Common glue (for joinery works)	tons	2.5
2-	Gumming paste (for labelling of cars)	"	25.-
3-	Refined borax (for workshops and welding)	"	2.5
4-	Ammonium chloride (for workshops and celles)	"	60.-
5-	Ferrocyanide of potassium (for workshops)	"	5.-
6-	Colophony (for workshops and electric insulators)	"	65.-
7-	Torpedoes ~~Cracks~~ (for signalling)	No	500.000
8-	Sulphuric acid (for batteries and workshops)	tons	5.-
9-	Hydrocloric acid 20° Bè (for workshops)	"	2.5
10-	Nitric acid 36/40 Bè	"	1.-
11-	Refiner for acetylene gas (used to refine the gas produced by the carbide of calcium from solid particles and dampness, in order to not damage the welding. They are, generally, natural or artificial zeolites)	"	5.-
12-	Soft ~~Tender~~ common soap (for lubricating of tool machines)	"	10.-

---

Declassified E.O. 12356 Section 3.3/NND No. 785021

7-	Cracks (for sig[illegible]	tons	5.-
8-	Sulphuric acid (for batteries and workshops)	"	2.5
9-	Hydrocloric acid 20° Bè (for workshops)	"	1.-
10-	Nitric acid 36/40 Bè	"	5.-
11-	Refiner for acetylene gas (used to refine the gas produced by the carbide of calcium from solid particles and dampness, in order to not damage the welding. They are, generally, natural or artificial zeolites)	"	10.-
12-	~~Tender~~ Soft common soap (for lubricating of tool machines)		

0.7.536

Declassified E.O. 12356 Section 3.3/NND No. 785021

CLOTHS AND YARNS

1-	Wool and horse hair for locomotive boxes	tons	4000
2-	Spinned wool for locomotive boxes	"	5000
3-	Flat wick for petroleum lamps - size 1/2"	yards	10000
4-	" " " " " - " 5/8"	"	30000
5-	" " " " " - " 3"	"	20000
6-	Canvas Olona cloth of cotton or hemp- 8' ~~high~~ wide for car roofs	"	2000
7-	Canvas Olona cloth of cotton or hemp- 9' ~~high~~ wide for car roofs	"	1000
8-	Canvas Olona cloth of cotton or hemp-10' ~~high~~ wide for car roofs	"	15000
9-	Canvas Olona cloth of cotton or hemp-10'.6" ~~high~~ wide for car roofs	"	7500
10-	Canvas Olona cloth of cotton or hemp- 11' ~~high~~ wide	"	1000
11-	Cotton rags for cleaning of machines	tons	55
12-	Cotton waste for cleaning of machines locomotives etc.	"	300
13-	Lamp wick	"	5
14-	White spinned and twisted cotton for sewing (type N°0.) in spools of 400 yards	spools	2500
15-	As above (type n°16)	"	2500
16-	" " (" " 24)	"	8000
17-	Black spinned and twisted cotton for sewing (type N.0.) in spools of 400 yards	"	7500

Declassified E.O. 12356 Section 3.3/NND No. 785021

5-	" " " " " - " 9"	"	20000
6-	Canvas Olona cloth of cotton or hemp- 8' ~~high~~ wide for car roofs	"	2000
7-	Canvas Olona cloth of cotton or hemp- 9' ~~high~~ wide for car roofs	"	1000
8-	Canvas Olona cloth of cotton or hemp-10' ~~high~~ wide for car roofs	"	15000
9-	Canvas Olona cloth of cotton or hemp-10'.6" ~~high~~ wide for car roofs	"	7500
10-	Canvas Olona cloth of cotton or hemp- 11' ~~high~~ wide	"	1000
11-	Cotton rags for cleaning of machines	tons	55
12-	Cotton waste for cleaning of machines locomotives etc.	"	300
13-	Lamp wick	"	5
14-	White ~~spinned~~ and twisted cotton for sewing (type N°0.) in spools of 400 yards	spools	2500
15-	As above (type n°16)	"	2500
16-	" " (" " 24)	"	2000
17-	Black ~~spinned~~ and twisted cotton for sewing (type N.O.) in spools of 400 yards	"	7500
18-	As above type N°. 16	"	5000
19-	" " " N°. 24	"	4000

3318

Declassified E.O. 12356 Section 3.3/NND No. 735021

L A M P S

1-	Acetylene lamps (between 500 and 1000 candle-power) (They are necessary for works in tunnels)	N. 50
2-	Acetylene lamps (between 3000 and 5000 candle-power) - (They are necessary for works in tunnels)	" 50
3-	Brass burners (type N.7) for oil lamps (encl.d A)	"10000
4-	Burners for portable acetylere lamps (3 gallons capacity) U.S. Standard (")	"30000
5-	Burners for portable acetylene lamps (4 gallons capacity) U.S.Standard (")	"20000

(") Tapered thread connection 3/8" to 1/4"

Declassified E.O. 12356 Section 3.3/NND No. 785021

4- Burners for portable acetylene lamps (3 gallons capacity) U.S. Standard (") "30000

5- Burners for portable acetylene lamps (4 gallons capacity) U.S.Standard (") "20000

(") Tapered thread connection 3/8" to 1/4"

3317

Declassified E.O. 12356 Section 3.3/NND No. 785021

STORES SERVICE

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

1- Tar oil (creosote)	Tons	750	- To be used for treatment of ties in particular and other kinds of timber.
2- Black oil for oil-boxes	"	1.450	- For oil-boxes of steam and electric locomotives, electric railway motor-cars, mechanical parts of steam and electric locomotives and machinery of workshops, ect.
3- Saturated oil for steam cylinders	"	60	- For distributers and cylinders of locomotives, railway motor-cars and generally of all saturated steam engines supplied with condensation or pressure lubricator
4- Superheated oil for steam cylinders	"	210	- For distributers and cylinders of locomotives and other superheated steam engines.
			- F.O. Quantities whereof para: 2)3)4) are foreseen for a consumption covering a 6 months of railway operation in liberated Italy and are calculated according to a movement of: Km locomotives 36.000.000 Km train 25.000.000
5- Transformer oil	"	275	- For transformer switches, operation of electric lines, electric locomotives, transformers and the like.
6- Fluid oil for meters (SAE 30 meter oil)	"	135	- For cylinders and generally for movements of gas, heated air and liquid fuel meters, meter-

Declassified E.O. 12356 Section 3.3/NND No. 789021

			steam and electric locomotives and machinery of workshops, ect.
3- Saturated oil for steam cylinders	"	60	- For distributors and cylinders of locomotives, railway motor-car and generally of all saturaded steam engines supplied with condensation or pressure lubricator
4- Superheated oil for steam cylinders	"	210	- For distributors and cylinders of locomotives and other superheated steam engines.
			- P.S. Quantities whereof para: 2) 3) 4) are foreseen for a consumption covering 6 months of railway operation in liberated Italy and are calculated according to a movement of: Km locomotives 36.000.000 Km train 25.000.000
5- Transformer oil	"	275	- For transformer switches, operation of electric lines, electric locomotives, transformers and the like.
6- Fluid oil for meters (SAE 30 meter oil)	"	135	- For cylinders and generally for movements of gas, heated air and liquid fuel meters, motor-cars exepted; for motorcars magneto ect.; for cylinders of air compressors, for typographical and litographical machinery, for axles of electric motors and generally for high spee axles.
7- Denese oil for motors (SAE 50 meter oil)	"	75	- For meter car cylinders ;
8- Extradense oil for gears	"	6	- For gears and speed boxes of motorcars.
9- Emulsionated chemical oil	"	6	- For tools of machinery.
10- Glycerine (or substitute	"	70	- For hydrodynamic apparatus, jack, etc

Declassified E.O. 12356 Section 3.3/NND No. 785021

11- Mineral grease	Tons	1	- For lubricating Westinhouse brakes, gears of electric locomotives and railway motorcars.
12- Non codex vaseline	"	1	- For lubricating tachometers, commutators with metallic brushes, for photo-electric search-lights and other delicate rigging of steamers. For the preservation of the leather of the railway-car bellows, ect.
13- Paraffin wax	"	1	- For the treatment with solid paraffin of timber and other material in electric works.
14- Pitch-pine-Oregon-pine spruce (deals ~~3"x9"x12'~~ (feet) and up or boards ~~1"x8"x10'~~ (feet) and up) 6" x 10"	B.M.		- For repair and rebuilding of railway coaches and cars.
15- Timber for construction of railway cars (Beach - oake ecc.) sizes ad above	"	1100-	do!

Declassified E.O. 12356 Section 3.3/NND No. 785021

			bellows,ect.
13- Paraffin wax		1	- For the treatment with solid paraffin of timber and other material in electric works.
14- Pitch-pine-Oregon-pine spruce (deals 3"x9"x12' (feet)and up or boards 1"x8"x10'(feet) and up)	6" x 10" B.M.		- For repair and rebuilding of railway coaches and cars.
15- Timber for construction of railway cars (Beach - oake ecc.) sizes ad above		1100-	do!

Declassified E.O. 12356 Section 3.3/NND No. 785021

3rd List

STORES SERVICE

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

- - - - - - -

Declassified E.O. 12356 Section 3.3/NND No. 785021

0769

Declassified E.O. 12356 Section 3.3/NND No. 785021

Motor vehicles and rubber materials for same

Trucks, capacity of 4 - 5 tons	30	For transporting material on Railway lines to be reconstructed and as substitution of motor trucks out of use.
" " 1 - 1.1/2 tons.	150	

Tires and inner tubes for motor vehicles

Dimensions	Tires	Tubes	
4.00" x 15"	80	80	To be used on I.C.R. vehicles indispensable for operational and inspective purposes. The tires on most of these vehicles are already in a very bad state and cannot be repaired
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 milliemeters x 40 cms.	20	20	
165 " x400 "	70	70	
185 " x400 "	40	40	

Tires and inner tubes for trucks-

Dimensions	Tires	Tubes
6.00 x 18	70	70
7.50 x 20	150	150
17 x 50	70	70

Declassified E.O. 12356 Section 3.3/NND No. 785021

5.50" x 15"	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 millimeters x 40 cms.	20	20
165 " x400 "	70	70
185 " x400 "	40	40

The tires on most of these vehicles are already in a very bad state and cannot be repaired

Tires and inner tubes for trucks-

Dimensions	Tires	Tubes
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

3313

NG

Declassified E.O. 12356 Section 3.3/NND No. 785021

Rubber materials

Rubber sheets with surface having linen appearance, 120" x 40" x 3/64"..... Lbs. 350

Rubber in sheets as above 120" x 40" x 5/64"..... 500
" " " " " 120" x 40" x 1/8" 1000
" " " " " 78" x 40" x 5/32" 1150
" " " " " 78" x 40" x 4/20 700
" " " having smooth surface 78" x 40" x 5/16" 200
" " " as above 40" x 40" x 8/20" ... 350
" " " " " 40" x 40" x 10/16" ... 150
" " " with hemp fabric inserted into them 120" x 40" x 1/16" 450
" " " as above 120" x 40" x 5/64" 1000
" " " " " 120" x 40" x 2/20" ... 450
" " " " " 120" x 40" x 1/8" 1700

To derive various fittings, couplings etc....

Cloth and rubber tubes 29/32" x 33/64", 32 feet long, Ins. 0 45/64 for pneumatic device and for compressed air and gas conduct (oxygen excluded) ....Yards 3000

Cloth and rubber tubes 43/64" x 8/20", 32 feet long, Ins 0 45/64 for acetylene gas and oxygen conduit for welding 4500

Cloth and rubber tubes containing galvanized spiral steel wire, 2 3/8" x 1 25/32", 4.36 yards long for hot washing of boilers 2000

Cloth and rubber tube, 19/32" x 8/20" for conveying soaped water to machine-tools, for dampering coal and for transmitting gas to lamps..3500

Cloth and rubber tube 63/64" x 19/32" for transmitting soaped water to maching tools for dampening coal and conveying gas to lamps..... 2500

Cloth and rubber tube, 1 9/64" x 7/8" for protecting fastening parts of electric motor cables..... 350

Declassified E.O. 12356 Section 3.3/NND No. 785021

" " " " " 120" x 40" x 1/8" 1700

Cloth and rubber tubes 25/32" x 33/64", 32 feet long, Ins. 9 45/64 for pneumatic devices and for compressed air and gas conduct (oxygen excluded) .....Yards 5000

Cloth and rubber tubes 43/64" x 9/20", 32 feet long, Ins 9 45/64 for acetylene gas and oxygen conduit for welding 4500

Cloth and rubber tubes containing galvanized spiral steel wire, 2 3/8" x 1 25/32", 4.36 yards long for hot washing of boilers 2000

Cloth and rubber tube, 19/32" x 9/20" for conveying soaped water to machine-tools, for dampering coal and for transmitting gas to lamps..3500

Cloth and rubber tube 63/64" x 19/32" for transmitting soaped water to machine tools for dampening coal and conveying gas to lamps..... 2500

Cloth and rubber tube, 1 9/64" x 7/8" for protecting fastening parts of electric motor cables..... 350

x 5/16 Rubber tube with cloths and plaits inserted into it, 5/16" x 19/32" for transmitting air into conductors 1600

Cloth and rubber tube, 2 3/8" x 2 49/64" in diameter, for the piping of motors cooling-water .. . . 100 (for motor 8 lines)

(continued on page 3)

ng

Declassified E.O. 12356 Section 3.3/NND No. 785021

(continued from page 2)

Para rubber putty	Lbs.	250
White adhesive rubbered ribbon.....	Yards	100000
Black " " "		90000

Rubber tubes with four layers of cloth inserted into them for compressed air conduit of Westinghouse brake:

Ø 1" x 1" 7/8	1500
" 1" 7/64 x 1" 3/4	4550

* * * * *

Declassified E.O. 12356 Section 3.3/NND No. 785021

Declassified E.O. 12356 Section 3.3/NND No. 785021

Glass panes and glass materials

		Basis diameter	rise	
Plano-convex lens for signalling calotte-shaped (see notes)	400	1.31/32"	25/32"	
"	3000	2.1/8"	15/16"	
"	3500	2.11/64"	25/32"	
"	2300	3.35/64"	1.7/32"	
"	3500	4.1/16"	1.1/2"	
"	2250	5.5/8"	2.3/32"	
"	2250	5.29/32"	1.37/32"	
Glass tubes for kerosene lamps, basis diameter: 1.17 x 32" and 9.41/64" high .....each	150000			
Colorless glasses for hand lanterns 1/16" - 3/32" sq.yards	900	to be supplied in sheets of about 1 to 1.1' sq.yards		
Colorless glasses for signalling 3/32" ÷ 1/8" thick sq.yards	5400	"		
Red colored glasses for hand lanterns 1/16" ÷ 3/32" thick "	600	"		
Red colored glasses for signalling 3/32" ÷ 1/8 thick sq.yards	260	"		
Green blue colored glasses for hand lantern, 1/16" ÷ 3/32" thick	600	"		
Green blue colored glasses for signalling 3/32" ÷ 1/8" thick	840	"		
Blue-violet colored glasses 3/32" ÷ 1/8" thick	240	"		
White milk colored glasses for signalling 3/32" ÷ 1/8"	360	to be supplied in sheets of about 1.20 sq. yards		

Declassified E.O. 12356 Section 3.3/NND No. 785021

9.41/64" high		
Colorless glasses for hand signalling lanterns 1/16" - 3/32"	sq.yards 900	to be supplied in sheets of about 1 to 1.1' sq.yards
Colorless glasses for signalling 3/32" ÷ 1/8" thick	sq.yards 5400	"
Red colored glasses for hand lanterns 1/16" ÷ 3/32" thick	" 600	"
Red colored glasses for signalling 3/32" ÷ 1/8 thick	sq.yards 360	"
Green blue colored glasses for hand lantern, 1/16" ÷ 3/32" thick	600	"
Green blue colored glasses for signalling 3/32" ÷ 1/8" thick	840	"
Blue-violet colored glasses 3/32" ÷ 1/8" thick	240	"
White milk colored glasses for signalling 3/32" ÷ 1/8"	360	to be supplied in sheets of about 1.20 sq. yards
Yellow colored glasses for signalling 3/32" ÷ 1/8" thick	480	" "

ng

3340

Declassified E.O. 12356 Section 3.3/NND No. 759021

Sepia paper for preparation purposes
(Cyanographic and heliographic)

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

-collature: this must be such as to
render it possible absorption of
sensible solution

-supply : in rollers, 1 yard wide and 4
inches long: 554 yards, 4 inches, 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 rolles
having inside and for all its lenght
a square opening to let in the machine
shaft, whose square section is 1.968
inches each side.

Weights for square meter: 2 ounces (sepia);
oun. 2.5 (cyanographic); 3.5 ounces
(heliographic).

Quantity which is needed:

Sepia paper	1 $\frac{1}{2}$	Tons.	
Cyanogr."	3 $\frac{1}{2}$	"	
Heliogr. "	5	"	Total Tons. 10

- drawing glossy paper in rollers
(yards 2.inch 3 x ~ yards 22 inch 8) Tons. 1 $\frac{1}{2}$ } for reproduction of all drawings concerning I.S.R structures and

Declassified E.O. 12356 Section 3.3/NND No. 785021

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 rolles having inside and for all its lenght a square opening to let in the machine shaft, whose square section is 1.968 inches each side.

Weights for square meter: 2 ounces (sepia); oun. 2.5 (cyanographic); 3.6 ounces (heliographic).

Quantity which is needed:

Sepia paper	1 1/2	Tons.	
Cyancgr."	3 1/2	"	
Heliogr. "	5	"	Total Tons. 10

- drawing glossy paper in rollers (yards 2 inch 3 x = yards 22 inch 8) Tons. 1 1/2 — for reproduction of all drawings concerning I...A structures and installations.

x 2.

-small card boards for forms for "Watson" Machine " 85

-small cardboards for travelling tickets (to be printed with Goebel machines) " 50

3309

Declassified E.O. 12356 Section 3.3/NND No. 785021

Paper in bands for telegraph
For Morse machine (mixture of any vegetal fiele) weight per square feet = grains 6.5 -width of band: 3"/8" - diameter of roller: 5" /8 1/8"- inner bore diameter: 1" 1/8 1" 1/4 - weight of rollers; grains 1200 .... Tons. 19

Gummed paper for telegraph operators
Diameter: 8" - width of bands: 3"/8" inner bore diameters: 7/16" (wood core) weight per yard: grains 12 - weight of roller: grains 4.012,320 Tons. 3

Declassified E.O. 12356 Section 3.3/NND No. 785021

inner bore diameters: 7/16" (wood core)

weight per yard: grains 12 - weight of

roller: grains 4,012,320 Tons. 3

Declassified E.O. 12356 Section 3.3/NND No. 785021

Sundry materials

Large padlocks	2.33/64" x 1.13/16"	3000
Small "	2.3/64" x 1.1/2"	12000

Declassified E.O. 12356 Section 3.3/NND No. 785021

0.7 8 3

Declassified E.O. 12356 Section 3.3/NND No. 785021

0 1 8 4

Declassified E.O. 12356 Section 3.3/NND No. 785021

R&C ITULATION INDEX OF LIST N

Enclosure:

N.1	Steel in tubes	Tons.	1.600
" 2	Thin steel plates	"	100
" "	Thick " "	"	400
" "	Steel in plates for locomotive fire boxes	"	220
" 3	Special steel for tools	lbs.	15.540
" 4	Silicious-manganese steel for springs	Tons.	2.800
" 5	Electrodus for electric weldings	N.	600.000
" "	Swedish type iron roods for oxy-acetylene weldings	"	300.000
" "	Cast iron small bars for " " "	"	100.000
" 6	Extra soft steel in wire for " " "	Tons.	50
" 7	Steel screws for metal	"	15
" 8	" " " wood	"	30
" 9	Monckey wrenches	"	2.000
" "	Saw blades for metals	Dozens	2.000
" "	Blades for hand saw	"	6.000
" "	" " saw for rails	"	250
" "	Bond saw blade	Feet	32.606
" 10	Twist drills	N.	200.000
" "	Flat round files, etc.	"	200.000
" "	Black steel netting	Tons.	10
" "	Galvanised steel netting	"	15
" 11	Copper in tubes	"	100
" 12	Aluminium in sheets	"	10
" "	Copper " "	"	50
" "	Zinc " "	"	5
		"	1.300

"	6	Extra soft steel in wire for	
"	7	Steel screws for metal	" 15
"	8	" " " wood	" 30
"	9	Monckey wrenches	" 2.000
"	"	Saw blades for metals	Dozens 2.000
"	"	Blades for hand saw	" 6.000
"	"	" " saw for rails	" 250
"	"	Band saw blade	Feet 32.806
"	10	Twist drills	M. 200.000
"	"	Flat round files, etc.	" 200.000
"	"	Black steel netting	Tons. 10
"	"	Galvanised steel netting	" 15
"	11	Copper in tubes	" 100
"	12	Aluminium in sheets	" 10
"	"	Copper " "	" 50
"	"	Zinc " "	" 5
"	13	Copper in ingots	" 1.300
"	"	White metal for anti-friction	" 30
"	"	Tin in ingots	" 150
"	"	Arsenic	" 0,5
"	14	Glass paper	" 30.000
"	"	Emery paper	" 30.000
"	"	Manganesite	Tons. 25
"	15	Steel in blooms	" 3.100
"	16	Cast iron in ingots	" 6.350
"	17	Steel girders (for bridges)	" 480

./.

Declassified E.O. 12356 Section 3.3/NND No. 785021

N.18	Cylinders for oxygen and acetylene	N. 1.000
" 19	Steel for axled wheels and ~~hoops~~ tires	Tons.1.300

Declassified E.O. 12356 Section 3.3/NND No. 785021

0787

Declassified E.O. 12356 Section 3.3/NND No. 785021

Declassified E.O. 12356 Section 3.3/NND No. 785021

STEEL IN UNWELDED PIPES

DIAMETER outside	inside		
inches 25/32	5/8	Tons	£
" 55/64	43/64	"	25
" 1. 7/64	15/16	"	3
" 1. 3/8	1. 3/16	"	6
" 1. 3/8	1. 7/64	"	11
" 1.49/64	1.37/64	"	245 *
" 1.31/32	1.49/64	"	340 *
" 2. 3/64	1.27/32	"	306 *
" 2.3/4	2.39/64	"	135 *
" 3.	2. 7/8	"	8
" 4. 1/4	3.15/16	"	3
" 4.49/64	4.29/64	"	3
" 5.15/64	4.59/64	"	3
" 1.49/64	63/64	"	117
" 1.31/32	1. 3/16	"	5
" 1.11/64	1. 3/8	"	8
" 2. 9/16	1. 3/16	"	10
" 2.61/64	1.37/64	"	5
" 80. 5/32.	1.31/32	"	8
" 3.47/64	2.3/4	"	6
" 4.31/64	2. 9/16	"	8
" 2. 3/64	2. 1/4	"	10
" 5.	4.11/16	"	100 *
			100 *

STEEL IN PIPES FOR C.S.

"	2. 3/64	1.27/32	"	316 *
"	2.3/4	2.55/64	"	135 *
"	3.	2. 3/4	"	3
"	4. 1/4	3.15/16	"	3
"	4.49/64	4.29/64	"	3
"	5.15/64	4.59/64	"	117
"	1.49/64	63/64	"	5
"	1.31/32	1. 3/16	"	8
"	1.11/64	1. 3/8	"	10
"	2. 5/16	1. 5/16	"	5
"	2.51/64	1.37/64	"	6
"	33. 5/32	1.51/52	"	6
"	3.47/64	2.3/4	"	6
"	4.31/64	2. 9/16	"	10
"	2. 3/64	2. 1/4	"	100 *
"	5.	4.11/16	"	100 *

STEEL IN PIPES FOR G.S

inches	1/4	"	4
"	3/8	"	3
"	1/2	"	8
"	3/4	"	5
"	1"	"	105
			2304

(se ue)

Declassified E.O. 12356 Section 3.3/NND No. 785021

STEEL IN PIPES FOR GAS

DIAMETER			
outside		inside	
inches	1.1/4	Tons	6
"	2.1/2	"	3
"	8	"	4
"	2.1/4	"	3
AMOUNT.....Tons			1.600

The pipes must be between 14 and 20 ft long, excluded those marked by an asterisk that must be no less than 20 ft long. The pipes marked by an asterisk will be used as flues for locomotives.

The other ones will be used as accessories for locomotives (as compressed air piping of brake, of sand boxes etc.), for the manifacture of tu ferrules and other user of workshops.

Declassified E.O. 12356 Section 3.3/NND No. 785021

The pipes must be between 14 and 20 ft long,
marked by an asterisk that must be no less than 20 ft long.
The pipes marked by an asterisk will be used as flues for
locomotives.
The other ones will be used as accessories for locomotives
(as compressed air piping of brake, of sand boxes etc.), for
the manifacture of tu ferrules and other user of workshops.

Declassified E.O. 12356 Section 3.3/NND No. 785021

Steel plates R. between 58,8 and 71,1 lbsx sq inch.

Thin plates		A = 18 / 19 %
inch.	78. 3/4x 39 3/8X 1/64	Tons. 5
"	78. 3/4 X 39.3/8 X 3/64	" 10
"	98. 9/16 X 39.3/8 X 1/16	" 20
"	118. 1/8 X 47.1/4 X 5/64	" 25
"	118. 1/8 X 47.1/4 X 1/8	" 40
	Total	Tons. 100

Thick plates

inch	118.5/16 X 59.1/16 X 5/32	Tons. 80
"	" " 13/64	" 100
"	" " 15/64	" 20
"	" " 9/32	" 20
"	" " 5/16	" 20
"	" " 25/64	" 100
"	200 X 45.5/14 X 25/64	" 60
	Total Total	Tons. 400

Plates for locomotives fire boxes

inch.	61.1/32 X 61.1/32 X 25/32	N. 50

Declassified E.O. 12356 Section 3.3/NND No. 785021

	Total	Tons. 100

Thick plates

inch	118.5/16 X 59.1/16 X 5/32	Tons. 80
"	" " 13/64	" 100
"	" " 15/64	" 20
"	" " 9/32	" 20
"	" " 5/16	" 20
"	" " 25/64	" 100
"	200 X 45.5/14 X 25/64	" 60
	Total Total	Tons. 400

Plates for locomotives fire boxes

inch.	61.1/32 X 61.1/32 X 25/32	N. 50
"	61.1/32 X 49.1/4 X 15/32	" 50
"	145.11/16X 53.5/32 X 15/32	" 50
"	145.11/16X 35.7/16 X 15/32	" 20
"	86.9/32 X 43.5/16 X 25/32	" 10
"	112.7/32 X 43.5/16 X 25/32	" 22
"	171.5/16 X 43.5/16 X 15/32	" 50

3302

Declassified E.O. 12356 Section 3.3/NND No. 785021

Encl. N.4

Inches	183.	2/16 x 43. 5/16 x 15/32	N.	32
"	171.	5/16 x 57. 3/32 x 15/32	"	12
"	98.	7/16 x 43. 5/16 x 25/32	"	15
"	102.	6/16 x 43. 5/16 x 25/32	"	6
"	98.	5/32 x 33. 1/2 x 15/32	"	6
"	78.	3/4 x 33. 1/2 x 25/32	"	6
"	102.	6/16 x 45. 5/16 x 15/32	"	6
"	83.	11/16 x 36. 1/14 x 25/32	"	6
"	56.	15/16 x 54. 11/32 x 15/32	"	6
"	84.	21/32 x 35. 7/16 x 25/32	"	6
"	198.	27/32 x 43. 5/16 x 15/32	"	6
"	187.	1/16 x 88. 9/32 x 15/32	"	17
"	68.	29/32 x 66. 15/16 x 15/32	"	40
"	76.	25/32 x 66. 15/16 x 25/32	"	40

Total weight of the requested plates for locomotive fire boxes Tons. 220 (approx.)

Said plates will be used for the construction of locomotive fire boxes. As information we point out the characteristos of the steel already used and produced by "Societa Acciaierie Ferriere Lombarde Falck" at Sesto S.Giovanni (Milano)

Mechanical characteristics:
Unitarian breaking load: lbs x sq. Inch. 45,472/56,896
Limit of the fatigue due to the traction: lbs.x sq.inch 28;448
Elongation: 24 % on 10 diameters (concerning plates between 25/64 and 25/32")

Declassified E.O. 12356 Section 3.3/NND No. 785021

"	21/32 x 33. 7/16 x 25/32	"	6
"	198. 27/32 x 43. 5/16 x 15/32	"	6
"	187. 1/16 x 60. 9/32 x 15/32	"	17
"	68. 25/32 x 66.15/16 x 15/32	"	40
"	76. 25/32 x 66.15/16 x 25/32	"	40

Total weight of the requested plates for locomotive fire boxes Tons. 220 (approx.)

Said plates will be used for the construction of locomotive fire boxes. As information we point out the characteristics of the steel already used and produced by "Societa Acciaierie Ferriere Lombarde Falck" at Sesto S.Giovanni (Milano)

Mechanical characteristics:
Unitarian breaking load: lbs x sq. Inch. 45,472/56,896
Limit of the fatigue due to the traction: lbs.x sq.inch 28;448
Elongation: 24% on 10 diameters (concerning plates between 25/64 and 25/32")

Chemical Characteristics

Carbon between	0,06 and 0,10
Manganese "	0,25 " 0,60
Phosphoreus	0,040
Sulphur	0,040
Silicium	0,10

3301

Declassified E.O. 12356 Section 3.3/NND No. 785021

Encl.n.3

Rapid steel for lathe fit for a speed of work per minute equal to feet:

113,11 on pieces with R. 71,20 at 85,344 Lbs. x sq. inches
45,9 " " " " 113,612 "128,128 " " " "

- - - -

round	of	inches	1. 17/64	Lbs. 900
"	"	"	1. 3/8	" 900
square	"	"	1. 3/16	" 900
"	"	"	1. 37/64	" 900
rectangular	of	"	33/64x9/32	" 900
"		"	1. 3/16x25/32	" 900
"		"	1. 31/32 x 1.3/16	" 900

Rapid steel for lathe (I.S.R. Type A.2.) fit for a speed of work for minute equal to feet:

85,144 on pieces with R. 71.120 at 85.344 lbs. x sq.inch.
89,370 " " " " 113,612 " 128,128 " " " "

Round of inches	25/64	Lbs. 220
" " "	19/32	" 440
" " "	25/32	" 440
" " "	1.3/14	" 660
" " "	3.5/32	" 660
" " "	3.15/16	" 660
square	25/64	" 440
" " "	25/32	" 440
" " "	1.308	" 440
rectangular	25/32 x 19/32	" 440
" of "	1. 3/16 x 19/32	" 660
" " "	1. 3/8 x 63/64	" 440
"		

The above mentioned steel whereof we have no availability, will be used for the construction of lathe tools to be used [illegible]

Declassified E.O. 12356 Section 3.3/NND No. 735021

Rapid steel for lathe (I.S.R. Type A.2.) fit for a speed of work for minute equal to feet:

95,144 on pieces with R.	71.120	at 85.344	lbs. x sq.inch.
39,370 " " " "	113,812	" 122,126	" " " "

Round of inches	25/64	Lbs. 220
" " "	19/32	" 440
" " "	25/32	" 440
" " "	1.3/14	" 660
" " "	3.5/32	" 660
" " "	3.15/16	" 660
square	25/64	" 440
" " "	25/32	" 440
" " "	1.3/8	" 440
rectangular	25/32 x 19/32	" 440
" of "	1. 3/16 x 19/32	" 660
" " "	1. 3/8 x 63/64	" 440
"		

The above mentioned steel whereof we have no availability, will be used for the construction of lathe tools - to be used: the first ones for high speed works, the second ones for works for construction of parts of locomotives (stron steels) to be made at less speed.

3300

Declassified E.O. 12356 Section 3.3/NND No. 735031

Encl. 3

Chrome Wolfram Steel fit for making chisels, puncheons, (not through heating) pneumatic tools, "bat eruole" shears.

round	of inches		25/32	Lbs.	1.100
"	"	"	63/64	"	1.100
"	"	"	1. 3/16	"	1.100
"	"	"	1. 31/32	"	1.100

This steel will be used for the manufacture of the above mentioned work or other of the same kind.

- - - - - - - - - -

Declassified E.O. 12356 Section 3.3/NND No. 785021

Declassified E.O. 12356 Section 3.3/NND No. 785021

Enclosure n.4

Silicious manganese laminated steel for cambered of semielliptical springs of I...R. Railway cars.

Plain laminated rectangular in bars

Commercial lenght inches	3. 15/16 x 33/64	Tons.	5
"	4. 31/64 x 3/8	"	5
"	5. 29/32 x 19/32	"	5
"	3. 35/64 x 33/64	"	5
"	5. 1/8 x 19/32	"	5

Striped laminated rectangular in bars

Commercial lenght inches	2.61/64 x 25/64	"	5
"	2.61/64 x 33/64	"	5
"	3. 5/32 x 33/64	"	5
"	3.35/64 x 25/64	"	5
"	3.35/64 x 33/64	"	500
"	4.31/64 x 3/8	"	15
"	4.29/32 x 33/64	"	400
"	5. 1/8 x 25/64	"	40
"	5. 1/8 x 19/32		100

Plain laminated steel (rectangular) for manufacture of volute springs for cars:

inches	5.1/8 x 0,2955	lenght of bars	inches	68.9/32	tons. 100
"	5.1/8 x 0,3345	" " "	"	59.1/16	" 1.200
"	5.1/8 x 0,4135	" " "	"	81.1/8	" 300
"	5.3/4 x 0,394	" " "	"	64.3/16	" 100
			Total	Tons.	2.800

Declassified E.O. 12356 Section 3.3/NND No. 735021

Commercial lenght inches	2.61/64 x 25/64	"	5
"	2.61/64 x 33/64	"	5
"	3. 5/32 x 33/64	"	5
"	3.35/64 x 25/64	"	5
"	3.35/64 x 33/64	"	500
"	4.31/64 x 3/8	"	15
"	4.23/32 x 33/64	"	400
"	5. 1/8 x 25/64	"	40
"	5. 1/8 x 19/32		100

Plain laminated steel (rectangular) for manufacture of volute springs for cars:

inches	5.1/8 x 0,2955	lenght of bars	inches	88.9/32	tons.	100
"	5.1/8 x 0,3545	" " "	"	59.1/16	"	1.200
"	5.1/8 x 0,4135	" " "	"	61.1/8	"	300
"	5.3/4 x 0,394	" " "	"	64.3/16	"	100
		Total	Tons.			2.800

The bars can be supplied also in lenghts multiple of those hereby shown.

2998

Declassified E.O. 12356 Section 3.3/NND No. 785021

Encl. . 5

Electrodes jacketed by electric arc:

Of the n.	12	diameter	inches 3/32	N. 75.000
" " "	10	"	" 1/8	" 150.000
" " "	8	"	" 5/32	" 250.000
" " "	6	"	" 13/64	" 75.000
" " "	4	"	" 5/64	" 25.000
" " "	2	"	" 1/16	" 25.000
			Total	N. 600.000

Iron rods, Swedish type, for oxy-acetilene welding

Diameter of inches	3/64	N. 100.000
" " "	5/64	" 100.000
" " "	1/8	" 100.000
	Total	N. 300.000

Small sicicious cast-iron bars for oxy-acetylene welding

Diameter of inches	25/64	N. 50.000
" " "	19/32	" 50.000
	Total	N. 100.000

Declassified E.O. 12356 Section 3.3/NND No. 785021

Diameter of inches	3/64	N. 100.000
" " "	5/64	" 100.000
" " "	1/8	" 100.000
	Total	N. 300.000

Small sicicious cast-iron bars for oxy-acetylene welding

Diameter of inches	25/64	N. 50.000
" " "	19/32	" 50.000
	Total	N. 100.000

3297

Declassified E.O. 12356 Section 3.3/NND No. 785021

Enclosure 6

EXTRA SOFT STEEL IN WIRE FOR OXY-ACETYLENE WELDING

Of the diameter of inches	5/64	Tons. 1
" " " " "	1/8	" 5
" " " " "	5/32	" 4
" " " " "	13/64	" 10
" " " " "	15/64	" 12
" " " " "	9/32	" 10
" " " " "	5/16	" 10
	TOTAL	Tons. 50

Declassified E.O. 12356 Section 3.3/NND No. 785021

0805

Declassified E.O. 12356 Section 3.3/NND No. 785021

FOIA 50

Tone.

Declassified E.O. 12356 Section 3.3/NND No. 785021

Enclosure 7

STEEL SCREWS FOR METAL WITH WHITWORTH SCREWING

Hexagonal head	inches	1/4" x	19/32	N.	80.000
" "	"	1/4" x	25/32	"	80.000
" "	"	1/4" x	1.3/16	"	20.000
" "	"	5/16" x	53/64	"	40.000
" "	"	5/16" x	1.3/16	"	40.000
" "	"	3/8 x	1.3/16	"	40.000
" "	"	7/16" x	63/64	"	7.000
" "	"	1/2 x	43/64	"	20.000
" "	"	1/2" x	1.3/16	"	10.000
Cylindrical head bored					
	inches	1/4" x	53/64	N.	4.000
" "	"	5/16" x	53/64	"	4.000
" "	"	3/8" x	53/64	"	4.000
Unpotted head with cap					
	inches	5/16" x	29/32	N.	3.000
Round head	"	1/8" x	3/32	"	3.000
" "	"	3/16 x	25/64	"	30.000
" "	"	1/4" x	25/64	"	80.000
" "	"	1/4" x	63/64	"	60.000
" "	"	5/16" x	7/16	"	60.000
" "	"	5/16" x	63/64	"	40.000
" "	"	3/8" x	63/64	"	40.000
" "	"	1/2" x	25/32	"	40.000
Flat unpotted head					
	inches	1/8" x	9/32	N.	20.000
" " "	"	3/16" x	21/32	"	20.000
" " "	"	3/16" x	25/32	"	30.000
" " "	"	3/16" x	63/64	"	30.000
" " "	"	1/4" x	25/32	"	30.000
" " "	"	1/4" x	63/64	"	30.000
" " "	"	5/16" x	53/64	"	30.000
" " "	"	3/8" x	5/8	"	30.000
" " "	"	7/16" X	43/64	"	30.000

Total equivalent to about 15 tons

Enclosure 8

Steel Screws for wood

Hexagonal head inches	9/32 x 1.3/16	N. 1.000
" " "	9/32 x 1.31/32	" 1.000
" " "	25/64 x 1.31/32	" 7.000
" " "	25/64 x 2.23/64	" 2.000
" " "	25/64 x 2.3/4	" 2.000
" " "	25/64 x 3.35/64	" 3.000
" " "	25/64 x 3.15/16	" 3.000
" " "	15/32 x 3.35/64	" 3.000
" " "	15/32 x 3.15/16	" 8.000
" " "	5/8 x 3.15/16	" 12.000
" " "	5/8 x 4.21/64	" 5.000
" " "	5/8 x 5.1/8	" 5.000
Square head "	5/16 x 1.37/64	" 1.000
" " "	5/16 x 1.49/64	" 1.000
" " "	5/16 x 1.31/32	" 2.000
" " "	5/16 x 2.23/64	" 5.000
" " "	5/16 x 2.3/4	" 5.000
" " "	25/64 x 2.23/64	" 4.000
" " "	25/64 x 2.3/4	" 4.000
" " "	15/32 x 3.35/64	" 2.000
" " "	15/32 x 3.15/16	" 3.000
" " "	15/32 x 4.21/64	" 10.000
" " "	35/64 x 3.15/16	" 10.000

Declassified E.O. 12356 Section 3.3/NND No. 785021

"	"	"	15/32 x 3.35/64	"	3.000
"	"	"	15/32 x 3.15/16	"	8.000
"	"	"	5/8 x 3.15/16	"	12.000
"	"	"	5/8 x 4.21/64	"	5.000
"	"	"	5/8 x 5.1/8	"	5.000
Square head		"	5/16 x 1.37/64	"	1.000
"	"	"	5/16 x 1.49/64	"	1.000
"	"	"	5/16 x 1.31/32	"	2.000
"	"	"	5/16 x 2.35/64	"	5.000
"	"	"	5/16 x 2.3/4	"	5.000
"	"	"	25/64 x 2.29/64	"	4.000
"	"	"	25/64 x 2.3/4	"	4.000
"	"	"	15/32 x 3.35/64	"	2.000
"	"	"	15/32 x 3.15/16	"	5.000
"	"	"	15/32 x 4.21/64	"	10.000
"	"	"	35/64 x 3.15/16	"	10.000
"	"	"	35/64 x 5.1/8	"	1.000
"	"	"	35/64 x 5.29/32	"	1.000
"	"	"	35/64 x 6.57/64	"	1.000
"	"	"	5/8 x 5.1/8	"	1.000
Flat unpotted head		inches	7/64 x 25/64	grosses	500
"	"	"	7/64 x 19/32	"	500
"	"	"	1/8 x 19/32	"	800
"	"	"	1/8 x 25/32	"	500
"	"	"	1/8 x 63/64	"	500
"	"	"	1/8 x 1.3/16	"	1.000
"	"	"	1/8 x 1.3/8	"	500

3294

Declassified E.O. 12356 Section 3.3/NND No. 785021

Flat unpotted head			inches	1/8 x 1.37/64	grosses	500
"	"	"	"	9/64 x 63/64	"	500
"	"	"	"	9/64 x 1.3/16	"	1.000
"	"	"	"	5/32 x 25/32	"	1.000
"	"	"	"	5/32 x 63/64	"	1.000
"	"	"	"	5/32 x 1.3/16	"	1.000
"	"	"	"	5/32 x 1.3/8	"	1.000
"	"	"	"	5/32 x 1.37/64	"	2.000
"	"	"	"	5/32 x 1.49/64	"	1.000
"	"	"	"	5/32 x 1.31/32	"	1.000
"	"	"	"	11/64 x 19/32	"	1.000
"	"	"	"	11/64 x 25/32	"	800
"	"	"	"	11/64 x 63/64	"	500
"	"	"	"	11/64 x 1.3/16	"	500
"	"	"	"	11/64 x 1.3/8	"	500
"	"	"	"	11/64 x 1.37/64	"	500
"	"	"	"	11/64 x 1.49/64	"	500
"	"	"	"	11/64 x 1.31/32	"	800
"	"	"	"	13/64 x 25/32	"	500
"	"	"	"	13/64 x 63/64	"	800
"	"	"	"	13/64 x 1.3/16	"	500
"	"	"	"	13/64 x 1.3/8	"	500
"	"	"	"	13/64 x 1.37/64	"	500
"	"	"	"	13/64 x 1.49/64	"	500
"	"	"	"	13/64 x 1.31/32	"	500
"	"	"	"	13/64 x 2.23/64	"	500
"	"	"	"	15/64 x 63/64	"	500

Declassified E.O. 12356 Section 3.3/NND No. 785021

"	"	"	"	11/64 x 25/32	"	500
"	"	"	"	11/64 x 63/64	"	500
"	"	"	"	11/64 x 1.3/16	"	500
"	"	"	"	11/64 x 1.3/8	"	500
"	"	"	"	11/64 x 1.37/64	"	500
"	"	"	"	11/64 x 1.49/64	"	500
"	"	"	"	11/64 x 1.31/32	"	500
"	"	"	"	13/64 x 25/32	"	500
"	"	"	"	13/64 x 63/64	"	500
"	"	"	"	13/64 x 1.3/16	"	500
"	"	"	"	13/64 x 1.3/8	"	500
"	"	"	"	13/64 x 1.37/64	"	500
"	"	"	"	13/64 x 1.49/64	"	500
"	"	"	"	13/64 x 1.31/32	"	500
"	"	"	"	13/64 x 2.33/64	"	500
"	"	"	"	15/64 x 63/64	"	500
"	"	"	"	15/64 x 1.3/8	"	500
"	"	"	"	9/32 x 1.49/64	"	500
"	"	"	"	9/32 x 1.31/32	"	500
"	"	"	"	9/32 x 2.33/64	"	500
"	"	"	"	9/32 x 2.5/32	"	500
"	"	"	"	5/16 x 1.31/32	"	500

Declassified E.O. 12356 Section 3.3/NND No. 785021

Flat unpotted head inches	5/16 x 2.23/64	Losses	500
" " " "	5/16 x 3.5/32	"	500
" " " "	5/16 x 3.15/16	"	500
" " " "	5/16 x 5.1/8	"	500
" " " "	25/64 x 1.31/32	"	500
" " " "	25/64 x 2.3/4	"	300
" " " "	25/64 x 3.25/64	"	300
" " " "	15/64 x 3.15/16	"	300
" " " "	15/64 x 5.1/8	"	300
Unpotted head with cap	7/64 x 25/64	"	700
" " " "	7/64 x 25/32	"	500
" " " "	9/64 x 63/64	"	500
" " " "	9/64 x 1.3/16	"	400
" " " "	9/64 x 1.3/8	"	500
" " " "	5/32 x 19/32	"	500
" " " "	5/32 x 25/32	"	900
" " " "	5/32 x 63/64	"	500
" " " "	5/32 x 1.3/16	"	500
" " " "	5/32 x 1.3/8	"	500
" " " "	5/32 x 1.37/64	"	500
" " " "	5/32 x 1.49/64	"	500
" " " "	5/32 x 1.31/32	"	500
" " " "	11/64 x 63/64	"	500
" " " "	11/64 x 1.3/8	"	500
" " " "	13/64 x 1.37/64	"	200
" " " "	13/64 x 1.31/32	"	200

Declassified E.O. 12356 Section 3.3/NND No. 785021

Unpotted	head	with	cap	7/64 x 25/64	" 100
"	"	"	"	7/64 x 25/32	" 500
"	"	"	"	9/64 x 63/64	" 500
"	"	"	"	9/64 x 1.9/16	" 400
"	"	"	"	9/64 x 1.9/8	" 500
"	"	"	"	5/32 x 19/32	" 500
"	"	"	"	5/32 x 25/32	" 500
"	"	"	"	5/32 x 63/64	" 500
"	"	"	"	5/32 x 1.9/16	" 500
"	"	"	"	5/32 x 1.9/8	" 500
"	"	"	"	5/32 x 1.37/64	" 500
"	"	"	"	5/32 x 1.49/64	" 500
"	"	"	"	5/32 x 1.31/32	" 500
"	"	"	"	11/64 x 63/64	" 500
"	"	"	"	11/64 x 1.9/8	" 500
"	"	"	"	13/64 x 1.37/64	" 200
"	"	"	"	13/64 x 1.31/32	" 200
"	"	"	"	15/64 x 25/32	" 200
"	"	"	"	15/64 x 1.37/64	" 300
"	"	"	"	15/64 x 1.31/32	" 300
"	"	"	"	9/32 x 63/64	" 200
"	"	"	"	9/32 x 1.9/8	" 30

Total equivalent to Tons 3292

0814

Declassified E.O. 12356 Section 3.3/NND No. 785021

Declassified E.O. 12356 Section 3.3/NND No. 785021

Enclosure 9

MONKEY WRENCHES (UPRIGHT JAWS)

About inches 10" long		N.	1.000
" " 14" "		"	1.000

BLADES FOR METAL SAWS

FOR MACHINES

About inches 14" long	Dozen.	N.	1.000
" " 16" "	"	"	1.000

(10 teeth for inch)

BY HAND

About inches 12" long	"	N.	2.000
" " 14" "	"	"	2.000
" " 15" "	"	"	2.000

RAIL-SAWS inches 13.63/64 x 1.13/16 x 19/32 dozers N. 250

BAND BLADES FOR WOOD

Width inches 25"/32		Feet 3.280
" " 1".3/16		" 16.400
" " 1".37/64		" 9.850
" " 1".31/32		" 3.280

Declassified E.O. 12356 Section 3.3/NND No. 785021

TWIST DRILLS WITH PARALLEL SHANK
(every inch 0,0195)

diameter inches	3/64	to 1/8	N. 40.000
" "	5/32	" 5/16	" 90.000
" "	23/64	"19/32	" 40.000

TWIST DRILLS WITH MORSE TAPER SHANK
(every inch 0,039)

diameter inches	7/16	to 25/32	N. 15.000
" "	53/64	" 1.17/64	" 7.500
" "	1.19/64	" 2.23/64	" 7.500

Total N. 200.000

FLAT PARALLEL FILES

Smooth edge		inches 4"	N. 2.000
"	"	" 8"	" 3.000
"	"	" 12"	" 3.000
"	"	" 16"	" 2.000
2nd cut		inches 6"	" 3.000
"	"	" 8"	" 5.000
"	"	" 12"	" 8.000
"	"	" 16"	" 4.000
Bastard edge		inches 6"	" 3.000
"	"	" 8"	" 5.000
"	"	" 12"	" 7.000
"	"	" 16"	" 5.000

Total N. 50.000

HALF ROUND FILES

Fine edge		inches 6"	N. 2.000
"	"	" 10"	" 4.000
"	"	" 14"	" 4.000
Half fine edge		" 6"	" 4.000
"	"	" 10"	" 8.000
"	"	" 14"	" 8.000
Bastard edge		inches 8"	" 4.000
"	"	" 12"	" 8.000
"	"	" 16"	" 12.000

Total N. 50.000

0 8 1 3

Declassified E.O. 12356 Section 3.3/NND No. 785021

SQUARE FILES

Fine edge	inches	6"	N. 1.000
" "	"	10"	" 3.000
" "	"	14"	" 2.000
Half fine edge	"	10"	" 4.000
" " "	"	14"	" 8.000
Bastard edge	"	12"	" 4.000
" "	"	16"	" 8.000
			Total N. 30.000

THREE-CORNER FILES

Fine edge	inches	4"	N. 3.000
" "	"	6"	" 4.000
" "	"	10"	" 7.000
" "	"	14"	" 6.000
Half fine edge	inches	6"	" 2.000
" " "	"	8"	" 2.000
" " "	"	10"	" 3.000
" " "	"	12"	" 5.000
" " "	"	14"	" 6.000
" " "	"	16"	" 7.000
Bastard edge	inches	8"	" 7.000
" "	"	12"	" 8.000
" "	"	16"	" 10.000
			Total N. 70.000

Total files.....N. 200.000

Declassified E.O. 12356 Section 3.3/NND No. 785021

Black steel netting with thread inches 0,0079 - with 25 holes on a length of 1" (couplings)	Tons	10	=
Varnished galvanized steel netting as a screen against mosquitos, with thread of inches 0,0197- square meshes- 43-47 holes per liner 25/64"	"	15	"

Enclosure 11

Copper in unwelded tubes

Inches	5/16 x 13/64	Tons.	2
"	25/64 x 5/16	"	5
"	15/32 x 23/64	"	5
"	19/32 x 15/32	"	1
"	25/32 x 49/64	"	1
"	55/64 x 3/4	"	2
"	1.3/8 x 1.7/64	"	2
"	1/11/16 x 1.19/64	"	10
"	1.57/64 x 1 1/2	"	28
"	1 31/32 x 1.37/64	"	30
"	1.31/32 x 1.49/64	"	2
"	2.11/64 x 1.31/32	"	2
"	2.31/64 x 2.3/32	"	2
"	2.43/64 x 2.9/32	"	8
	TOTAL	Tons.	100

Declassified E.O. 12356 Section 3.3/NND No. 785021

"	1.31/32 x 1.49/64	"	2
"	2.11/64 x 1.31/32	"	2
"	2.31/64 x 2.3/32	"	2
"	2.43/64 x 2.9/32	"	8
	TOTAL	Tons.	100

3287

Declassified E.O. 12356 Section 3.3/NND No. 785021

Enclosure 12

ALUMINIUM IN SHEETS

inches	78.3/4 x 39.3/8 x 1/64	Tons.	0,5
"	78.3/4 x 39.3/8 x 3/64	"	1,5
"	78.3/4 x 39.3/8 x 1/16	"	2
"	78.3/4 x 39.3/8 x 5/64	"	3
"	78.3/4 x 39.3/8 x 5/32	"	3
	TOTAL	Tons.	10

ARSENICUS COPPER FOR LOCO FIRE-BOXES

inches	216.9/16 x 89.11/16 x 5/8	N.	5
"	216/9/16 x 86.5/8 x 5/8	"	5
"	216.9/16 x 94.1/2 x 5/8	"	5
"	196.7/8 x 51.3/16 x 5/8	"	2
"	196.7/8 x 59.1/16 x 5/8	"	2
"	216.9/16 x 74.13/16 x 5/8	"	2
"	216.9/16 x 79.3/4 x 5/8	"	2
"	216/9/16 x 90.9/16 x 5/8	"	3
"	216.9/16 x 100.13/32 x 5/8	"	5
"	216.9/16 x 108.9/32 x 5/8	"	2
	TOTAL	N.	31

(Total weight about Tons. 50)

Declassified E.O. 12356 Section 3.3/NND No. 785021

ARGENTOUS COPPER FOR LOCO

FIRE-BOXES

inches	216.9/16 x 82.11/16 x 5/8	N. 5
"	216/9/16 x 86.5/8 x 5/8	" 5
"	216.9/16 x 94.1/2 x 5/8	" 5
"	196.7/8 x 51.3/16 x 5/8	" 2
"	196.7/8 x 59.1/16 x 5/8	" 2
"	216.9/16 x 74.13/16 x 5/8	" 2
"	216.9/16 x 78.9/4 x 5/8	" 2
"	216/9/16 x 90.9/16 x 5/8	" 3
"	216.9/16 x 100.13/32 x 5/8	" 3
"	216.9/16 x 108.9/32 x 5/8	" 3
	TOTAL	N. 31

(Total weight about Tons. 50)

ZINC IN SHEETS :

inches	78.3/4 x 39.3/8 x 0,2283	Tons. 1,286
"	" " x 0,2598	" 0,5
"	" " x 0,3898	" 1
"	" " x 0,3740	" 1
"	" " x 0,7717	" 1,5
	TOTAL	Tons. 5

Declassified E.O. 12356 Section 3.3/NND No. 785021

Encl. 13

(1)	Antifriction white metal	Tons.	30
(2)	Copper in ingots	"	100
(3)	Native tin in ingots	"	50
(4)	Arsenic in metal or alloy rich in AS for copper materials for loco. fire boxes	"	5

(1) It is used for the manufacture of bearings for rolling stock (locomotives and vehicles). The type used is composed as follows: 15% Sn, 14% Sb, 1,5% Cu, 69,5 Pb

(2) It is used for the manufacture of alligations (copper and bronze tin and brass) for vehicles (welding alligations) etc; for draw plates for conductors of electric lines, and for the construction of tube plates for locomoties etc.

(3) For the manufacture of alligations (as above) and for the tinning of wires and plates.

(4) The copper materials for locomotive fire boxes contain sundry percentages of As. to make the metal more resisting to the action of fire. The percentage is between 0,15 and no more than 0,35 for the bar for the tie-bands jointing the fire box with the fire box support; and between 0,25 and no more than 0,50 for the sheets.

Declassified E.O. 12356 Section 3.3/NND No. 785021

(1) It is used for the manufacture of bearings for rolling stock (locomotives and vehicles). The type used is composed as follows: 15% Sn, 14% Sb, 1,5% Cu, 69,5 Pb

(2) It is used for the manufacture of alligations (copper and bronze tin and brass) for vehicles (welding alligations) etc; for draw plates for conductors of electric lines, and for the construction of tube plates for locomotics etc.

(3) For the manufacture of alligations (as above) and for the tinning of wires and plates.

(4) The copper materials for locomotive fire boxes contain sundry percentages of As. to make the metal more resisting to the action of fire. The percentage is between 0,15 and no more than 0,35 for the bar for the tie-bands jointing the fire box with the fire box support; and between 0,25 and no more than 0,50 for the sheets.

Declassified E.O. 12356 Section 3.3/NND No. 735021

Encl. N.14

Glass and emery paper of the n.	0	sheets n.	5.000
" " " " " " "	00	" "	4.000
" " " " " " "	000	" "	3.500
" " " " " " "	1	" "	2.500
" " " " " " "	2	" "	4.500
" " " " " " "	3	" "	7.000
" " " " " " "	4	" "	3.000
			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
	Total		n. 30.000

Manganesite Tons. 25

Declassified E.O. 12356 Section 3.3/NND No. 785021

			n. 30.000
Emery cloth	" " " 0	" "	5.000
" "	" " " 00	" "	1.000
" "	" " " 000	" "	3.500
" "	" " " 1	" "	2.500
" "	" " " 2	" "	4.500
" "	" " " 3	" "	7.000
" "	" " " 4	" "	3.500
		Total	n. 30.000

Manganesite Tons. 25

Declassified E.O. 12356 Section 3.3/NND No. 785021

Enclosure n.15 Pag.1

Steel in blooms - Braking load = 32,640 Lbs. x sq. inch.

Square	inches	2. 3/4	Tons.	100
"	"	3. 5/32	"	100
"	"	3.35/64	"	100
"	"	3.15/16	"	250
"	"	4.23/32	"	250
"	"	5.29/32	"	250
"	"	7. 7/8	"	250
"	"	9.27/32	"	100
"	"	11.13/16	"	100
"	"	15. 3/4	"	100
Rectangular				
	inches	5.29/32 x 3.15/16	"	200
	"	7. 7/8 x 3.15/16	"	200
	"	9.27/32x5.29/32	"	200
	"	11.13/16x5.29/32	"	100
	"	11.13/16x7. 7/8	"	100
	"	15. 3/4 x 7. 7/8	"	100
	"	17. 3/4 x 11.13/16	"	100
		Total Tons.		2.600

Declassified E.O. 12356 Section 3.3/NND No. 735021

"	"	5.29/32	"	250
"	"	7. 7/8	"	250
"	"	9.27/32	"	100
"	"	11.13/16	"	100
"	"	15. 3/4	"	100

Rectangular

	Inches	5.29/32 x 3.15/16	" 200
	"	7. 7/8 x 3.15/16	" 200
	"	9.27/32x5.29/32	" 200
	"	11.13/16x5.29/32	" 100
	"	11.13/16x7. 7/8	" 100
	"	15. 3/4 x 7. 7/8	" 100
	"	17. 3/4 x 11.13/16	" 100
		Total Tons.	2.600

3283

Declassified E.O. 12356 Section 3.3/NND No. 785021

Steel in blooms to be forged - Breaking load - lbs. x sq.inches between 59,803 and 71,120

Elongation 24%

Unitarian load of minimum fatigue lbs.x sq inch. 32/816

Square	inches	3.15/16	Tons.	50
"	"	4.25/32	"	40
"	"	5.29/32	"	20
"	"	6.11/16	"	20
"	"	7.31/64	"	20
"	"	9.29/64	"	20
"	"	11.13/16	"	30
		Total Tons.		300

Steel in blooms to be forged - Breaking load - lbs. x sq.inches between 85,344 and 99,568

Elongation 15%

Unitarian load of minimum fatigue lbs. x sq inch. 43,872

Square	inches	4.25/32	Tons.	50
"	"	5.29/32	"	50
"	"	6.11/16	"	50
"	"	7. 7/8	"	50
"	"	11.13/16	"	50
"	"	15. 3/4	"	50
		Total Tons.		300

Declassified E.O. 12356 Section 3.3/NND No. 735021

"	"	7.31/64	"	20
"	"	9.29/64	"	20
"	"	11.13/16	"	30
		Total Tons.		200

Steel in blooms to be forged - Breaking load - lbs. x sq.inches between 95,344 and 99,568

Klongation 15%

Uniterion load of minimum fatigue lbs. x sq inch. 42,672

Square	inches	4.25/32	tons.	50
"	"	5.29/32	"	50
"	"	6.11/16	"	50
"	"	7. 7/8	"	50
"	"	11.13/16	"	50
"	"	15. 3/4	"	50
		Total Tons.		300

9282

Declassified E.O. 12356 Section 3.3/NND No. 785021

Encl. N.16

Cast iron in ingots for sundry parts of locomotives, vehicles and various equipment:

Tons. 10.350

Declassified E.O. 12356 Section 3.3/NND No. 785021

0830

Declassified E.O. 12356 Section 3.3/NND No. 785021

Enclosure n.17

Steel girders for temporary bridges on damaged lines to be re-operated

inches 24 x 7.1/2 x 95 lbs.	46 ft.lenght - pieces 100 200 tons. approximately
inches 22 x 7 x 75 lbs.	40 ft lenght - pieces 100 135 tons. approx.
inches 18 x 7 x 75 lbs.	30 ft. lenght - pieces 100 100 tons. approx.
inches 12 x 6 x 54 lbs.	18 ft lenght - pieces 100 45 tons. approx.

- - - - - - -

Declassified E.O. 12356 Section 3.3/NND No. 785021

inches 18 x 7 x 75 lbs. 30 ft. lenght - pieces 100
100 tons. aprox.

inches 12 x 6 x 54 lbs. 18 ft lenght - pieces 100
45 tons. approx.

- - - - - - - -

3280

0832

Declassified E.O. 12356 Section 3.3/NND No. 735021

Enclosure n.18

Oxygen cilinders
Geometric capacity U.S. gallons 11.884/13.204 N. 500

Acetylene cilinders
geometric capacity U.S. gallons 8.715/13.204 " 500

Such cylinders have to be supplied with all their accessories
(reducing and closing valves)

- - - - - - -

Declassified E.O. 12356 Section 3.3/NND No. 785021

0834

Declassified E.O. 12356 Section 3.3/NND No. 785021

Enclosure n. 19

Half hard steel for the manufacture of hoops and wheeled axes of locomotives, having the following characteristics:

For wheeled axes: breaking load between 71.120 and 85.344 lbs x sq inch.

Elongation: 18% on long small bars
25% " short " "

Sulphur - 0,05 - phosphorus 0,05 - S + P - 0.09

For hoops: Breaking load between 106.736 and 120.848 lbs x sq. inch

Elongation 14-11 % on short small bars

Sulphur - 0.04 phosphorous - 0.04 - S - P - 0.07

- - - - - - - - - - - - -

Steel for manufacturing wheeles axles Tons. 700
" " " hoops " 600

Declassified E.O. 12356 Section 3.3/NND No. 785021

For hoops: Breaking load between 106.736 and 120.848
lbs x sq. inch

Elongation 14-11 % on short small bars

Sulphur - 0.04 phosphorous - 0.04 - S - P - 0.07

- - - - - - - - - - - - -

Steel for	manufacturing	wheeles axles	Tons. 700
"	"	" hoops	" 600

Declassified E.O. 12356 Section 3.3/NND No. 785021

5th List

MATERIALS AND MECHANISMS OF FOREIGN PRODUCTION FOR OPERATION OF TRACKS, SIGNALLING, LIGHTING, POWER AND TELEGRAPH.

MATERIALS	QUANTITY	REMARKS
A) - RAW MATERIALS		
- Insulating oil for electric cables	Tons 120	
- Impressing powders for insulating electric materials (Bakelite and thelike)	" 20	
B) - SEMI-WORKED MATERIALS		
- Insulating paper for cables	" 50	
- Galvanized iron wise ⌀ 0,1181" for telegraph	" 500	For telephones and telegraphs, thickness: 0,01377" - loss 1,3 watt" for 2 ounces - 1 Weber per 0,038837" square
- Small thin silicious iron plates for constructing nuclei for electromagnet	" 6	
C) - FINISHED PRODUCTS		
Telephonic cable fitted with 7 pair of conductors - 0,05906 in diameter - isolated in impregnated paper	miles 80	
Telephonic cables, in impregnated paper, wrapped in tarred canvas - 0,03937 in diameter:		
a) 3 pairs	" 4	
b) 7 "	" 5	
c) 12 "	" 15	
d) 19 "	" 14	
e) 24 "	" 12	
f) 30 "	" 7	
Telephonic cables, in impregnated paper fitted with a special lead protection [illegible]		

Declassified E.O. 12356 Section 3.3/NND No. 785021

B) - SEMI-WORKED MATERIALS			
- Insulating paper for cables	"	50	
- Galvanized iron wire ⌀ 0,21811" for telegraph	"	800	
- Small thin silicious iron plates for constructing nuclei for electromagnet	"	6	For telephones and telegraphs, thickness: 0,01377" - loss 1,3 watt" for 2 ounces - 1 weber per 0,03927" square
C) - FINISHED PRODUCTS			
Telephonic cable fitted with 7 pair of conductors - 0,05906 in diameter - isolated in impregnated paper	Miles	80	
Telephonic cables, in impregnated paper, wrapped in tarred canvas - 0,03937 in diameter:			
a) 3 pairs	"	4	
b) 7 "	"	5	
c) 12 "	"	15	
d) 18 "	"	14	
e) 24 "	"	11	
f) 30 "	"	7	
Telephonic cables, in impregnated paper fitted with a special lead protection over the wrapping, conductor diameter: 0,03937":			
a) 3 pairs	"	19	
b) 7 "	"	22	
c) 12 "	"	77	
d) 18 "	"	30	
e) 24 "	"	34	
f) 30 "	"	20	

0 8 5 8

Declassified E.O. 12356 Section 3.3/NND No. 785021

MATERIALS	QUANTITY	REMARKS
Telegra-phonic cables with double insulation and special protection:		
- 20 pairs aggregately		
3 double pairs, diameter: 0,05118"	miles 3	
14 pairs " 0,05906"		
- 22 pairs aggregately		
4 double-pairs, diameter: 0,05118"	" 4	
14 pairs " 0,05906"		
- 26 pairs aggregately		
3 double-pairs, diameter: 0,05118"		
3 pairs " 0,05118"	" 24	
14 pairs " 0,05906"		
- 27 pairs aggregately		
4 double-pairs, diameter: 0,05118"		
5 pairs " 0,05118"	" 18	
14 " " 0,05906"		
- 28 pairs aggregately		
6 double-pairs, diameter: 0,05118"		
16 " " " 0,05906"	" 7	
- 29 pairs aggregately		
4 double-pairs, diameter: 0,05118"		
5 pairs " 0,05118"	" 16	
16 " " 0,05906"		
- 39 pairs aggregately		
10 double-pairs, diameter: 0,05118"		
19 pairs " 0,05906"	" 2	
- Small cable (military type), a one pair item, with accessories for gripping and coupling, for semipermanente connections, section 0,14173" square	" 94	
- Insulating conductor (military type)		

Declassified E.O. 12356 Section 3.3/NND No. 785021

14 pairs	0,05906"	
- 27 pairs aggregately		
4 double-pairs, diameter:	0,05118"	
5 pairs "	0,05118"	" 18
14 " "	0,05906"	
- 28 pairs aggregately		
6 double-pairs, diameter:	0,05118"	
16 " " "	0,05906"	" 7
- 39 pairs aggregately		
4 double-pairs, diameter:	0,05118"	
5 pairs "	0,05118"	" 16
16 " "	0,05906"	
- 39 pairs aggregately		
10 double-pairs, diameter:	0,05118"	
18 pairs "	0,05906"	" 2
- Small cable (military type), a one pair item, with accessories for gripping and coupling, for semipermanente connections, section 0,14173" square		" 94
- Insulating conductor (military type) for temporary telephonic connections, 0,01575" in diameter		" 750
- Small bipolar cable, with metallic cover, for internal lighting installations, 0,07874 square		" 31
- Cable with lead cover for lighting, with special protection, for 500 w exercise tension:		
a) unipolar 0,015748 square section		" 8
b) bipolar 0,15748 " "		" " 19
c) " 0,23622 " "		" " 38
d) tripolar 0,23622 " "		" " 19
e) " 0,15748 " "		" " 13

9276

Declassified E.O. 12356 Section 3.3/NND No. 785021

MATERIALS	QUANTITY	REMARKS
Insulators for telegraph	100.000	as per drawing annexed (Encl.n. I)
MATERIALS FOR FIXED ELECTRIC LIGHTING INSTALLATION AND FOR CHARGING OF ACCUMULATORS		
Switches, deviators current catchers, spindles etc. for internal installations	6.250	(Encl.L) 500 pieces according to drawing L1 500 " " L2 500 " " L3 1000 " " L4 1000 " " L5 1500 " " L6 1250 " " L7
Edison Lampholders for outside	15.000	10.000 See encl.I and drawing n.I2
Common Edison Lampholders	5.000	5.000 See encl.K and drawing K1
D2 with a base	1.300	2.000 See encl.K and drawing K2
Low tension lines insulators	25.000	10.000 See encl.K and drawing K3
MATERIALS FOR SUBSTATIONS AND ELECTRIC TRACTION LINES		
Cap and pivot insulators for high tension conductors and contact conductors	60.000	See annexed drawing N
Suspension insulators for contact conductors and for feeders	5.000	See annexed drawing P N. 2500 I 489 as per drawing P1 2500 I 489 " P2
VARIOUS INSULATORS FOR ELECTRIC TRACTION ENGINES		

Declassified E.O. 12356 Section 3.3/NND No. 785021

		1500 " "	L6
		1250 " "	L7
Edison Lampholders for outside	15.000	10.000	See encl.I and drawing n.I2
Common Edison Lampholders	5.000	3.000	See encl.K and drawing K1
Dª with a base	1.300	3.000	See encl.K and drawing K2
Low tension lines insulators	25.000	10.000	See encl.K and drawing K3
MATERIALS FOR SUBSTATIONS AND ELECTRIC TRACTION LINES			
Cap and pivot insulators for high tension conductors and contact conductors	60.000		See annexed drawing N
Suspension insulators for contact conductors and for feeders	5.000		See annexed drawing P
		N. 2500 I 489	as per drawing P1
		2500 I 489A	" P2
VARIOUS INSULATORS FOR ELECTRIC TRACTION ENGINES			
Bakelite cardboard		lbs 3.350	
Electro-thermic insulating mixture for electric preparations		" 6.700	
Incombustible insulating mixture for aplication by the electric arc		" 4.500	
Sterling tape		yards55.000	
Sterling pipe		lbs 6.700	
Mica in sheets		" 2.250	
Asbestos for fittings		" 4.500	
Asbestos in rope simply twisted of the following diameter:			
0,15748"		" 1.150	
0,23622"		" 1.150	
0,39370"		" 800	

Declassified E.O. 12356 Section 3.3/NND No. 785021

MATERIALS	QUANTITY	REMARKS
Asbestos in rope covered with graphite, square section, having the following diameter:		
0,23622	Lbs 1.500	
0,39370	" 5.000	
0,59055	" 3.500	
Asbestos in rope covered with graphite, square section, having the following diameter:		
0,78740	" 3.250	
0,98425	" 1.800	
1,18110	" 900	
Asbestos in sheets of the following thickness		
0,01969	" 850	
0,03937	" 1.150	
0,07874	" 2.900	
0,11811	" 5.500	
0,15748	" 8.000	
0,19685	" 2.100	
0,23622	" 1.150	
0,27559	" 200	
Pounted matter cardboard 0,05906 thick	" 25.000	
white adhesive gummed tape	yards 85.000	
black " " "	" 75.000	
Aluminium - steel rope of twenty-six 0,12086 inch aluminium threads and seven 0,09396 inch galvanised steel threads (0,78296 total diameter) Pieces of about miles: 0,621+feet 656	tons 200	For A.T. electric lines (primary)
Moulded electrolytic copper wire, 0,4675 inch in diameter. Resistence: 0,176 Ohm. Loading of breakage lbs. X sq. inch: 54.096/		

Declassified E.O. 12356 Section 3.3/NND No. 785021

0,78710	"	3.350	
0,98425	"	1.500	
1,18110	"	900	
Asbestos in sheets of the following thickness			
0,01969	"	250	
0,03937	"	1.150	
0,07874	"	2.900	
0,11811	"	5.500	
0,15748	"	8.000	
0,19685	"	2.100	
0,23622	"	1.150	
0,27559	"	1.900	
Pounted matter cardboard 0,05906 thick	"	29.000	
white adhesive gummed tape	yards	85.000	
black " " "	"	75.000	
Aluminium - steel rope of twenty-six 0,12036 inch aluminium threads and seven 0,09396 inch galvanised steel threads (0,76296 total diameter) Pieces of about miles: 0,621+feet 650	tons	200	For A.T. electric lines (primary)
Moulded electrolytic copper wire, 0,4675 inch in diameter. Resistence: 0,176 Ohm. Loading of breakage lbs. X sq. inch: 54,096/ 59,808. Pieces of about miles 0,621+ feet 650.	tons	200	See annexed drawing R for contact lines
Electrolytic copper rope of 19 threads 0,1105 inch each (0,551 total diameter) resistence: 0,176 ohm. loading of breakage lbs. X sq. inches: 54,096/ 59,808. Minimum lengthening: 1%. Pieces of about miles 0,621 + feet 650	"	100	

Declassified E.O. 12356 Section 3.3/NND No. 785031

MATERIALS	QUANTITY	REMARKS
Phosphourous bronze wire 0,118 inch. in diameter, having electric resistence not above 1,31 microohms at 15°C temperature. Minimum breakage loading: libs. X sq. inch: 71,120 maximum lengthening 1,3% on tester of 11,811 inch Seven bendings on a radius of 0,197 inch.	tons 500	For telephonic lines
Assorted malleable cast-iron connections for gas and water pipes	" 25	See detail

Declassified E.O. 12356 Section 3.3/NND No. 783021

Assorted malleable cast-iron connections for gas and water pipes	"	25	See detail

Declassified E.O. 12356 Section 3.3/NND No. 785021

ASSORTED MALLEABLE CAST-IRON CONNECTIONS FOR GAS AND WATER PIPES

Detail

ITEMS		N.r	REMARKS
(Curves at 90°) male and female	1/4"	250	
" " " " "	3/8"	1.000	
" " " " "	1/2"	1.000	Weight approx
" " " " "	3/4"	1.000	Tons.2.6
" " " " "	1"	1.000	
" " " " "	1" 1/4	1.000	
" " " " "	1" 1/2	500	
" " " " "	2"	400	
" " " " "	2" 1/2	300	
" " " " "	3"	250	
" " " " "	3" 1/2	200	
" " " " "	4"	200	
As above two female	1/4"	100	
" " "	3/8"	250	
" " "	1/2"	300	
" " "	3/4"	300	
" " "	1"	300	
" " "	1" 1/4	250	Tons. 0.16
" " "	1" 1/2	250	
" " "	2"	150	
" " "	2" 1/2	150	
(Curves at 90°) two female	3"	100	
" " " "	3" 1/2	100	

Declassified E.O. 12356 Section 3.3/NND No. 785021

"	"	"	"	"	1"	1.000	
"	"	"	"	"	1" 1/4	1.000	
"	"	"	"	"	1" 1/2	500	
"	"	"	"	"	2"	400	
"	"	"	"	"	2" 1/2	300	
"	"	"	"	"	3"	250	
"	"	"	"	"	3" 1/2	200	
"	"	"	"	"	4"	200	
As above two female					1/4"	100	
"	"	"			3/8"	250	
"	"	"			1/2"	300	
"	"	"			3/4"	300	
"	"	"			1"	300	
"	"	"			1" 1/4	250	Tons. 0.16
"	"	"			1" 1/2	250	
"	"	"			2"	150	
"	"	"			2" 1/2	150	
(Curves at 90°) two female					3"	100	
"	"	"	"		3" 1/2	100	
"	"	"	"		4"	100	
Curves at 45° male and female					1/4"	100	
"	"	"	"	"	"	3/8"	200
"	"	"	"	"	"	1/2"	250
"	"	"	"	"	"	3/4"	250
"	"	"	"	"	"	1"	300

3272

Declassified E.O. 12356 Section 3.3/NND No. 735021

Curves at 45° male and female	1" 1/4	300	
" " " " " "	1" 1/2	250	Tons.0.16
" " " " " "	2"	200	
" " " " " "	2" 1/2	150	
" " " " " "	3"	150	
" " " " " "	3" 1/2	100	
" " " " " "	4"	100	
Elbows at 90°	1/4"	200	
" " "	3/8"	300	
" " "	1/2"	500	
" " "	3/4"	750	
" " "	1"	1000	
" " "	1" 1/4	750	Tons. 1
" " "	1" 1/2	500	
" " "	2"	300	
" " "	2" 1/2	200	
" " "	3	100	
" " "	3" 1/2	100	
" " "	4"	100	
As above reducing	3/8"at 1/4	100	
" " "	1/2" at 3/8	100	
" " "	3/4" at 1/2"	200	
" " "	1" at 3/4"	200	
" " "	1" 1/4 at 1"	300	Tons. 0.7
" " "	1" 1/2 at 1" 1/4	200	
" " "	2" at 1" 1/2	100	
" " "	2" 1/2 at 2"	100	
" " "	3" at 2" 1/2	100	

Declassified E.O. 12356 Section 3.3/NND No. 785021

" " "	1"	1000	
" " "	1" 1/4	750	Tons. 1
" " "	1" 1/2	500	
" " "	2"	300	
" " "	2" 1/2	200	
" " "	3	100	
" " "	3" 1/2	100	
" " "	4"	100	
As above reducing	3/8"at 1/4	100	
" " "	1/2" at 3/8	100	
" " "	3/4" at 1/2"	200	
" " "	1" at 3/4"	300	
" " "	1" 1/4 at 1"	300	Tons. 0.7
" " "	1" 1/2 at 1" 1/4	200	
" " "	2" at 1" 1/2	100	
" " "	2" 1/2 at 2"	100	
" " "	3" at 2" 1/2	100	
" " "	3" 1/2 at 3"	100	
" " "	4" at 3" 1/2	50	
Elbows at 90° with one end threaded			
at	1/4"	200	
" " " " " "	3/8"	200	
" " " " " "	1/2"	300	
" " " " " "	3/4"	300	
" " " " " "	1"	500	

3271

Declassified E.O. 12356 Section 3.3/NND No. 785021

Elbows at 90° with one end threaded	1" 1/4	500	Tons.0.17
" " " " " " "	1" 1/2	300	
" " " " " " "	2"	200	
" " " " " " "	2" 1/2	100	
" " " " " " "	3"	50	
" " " " " " "	3" 1/2	50	
" " " " " " "	4"	50	
Tee; at 90°	1/4"	200	
" " "	3/8"	300	
" " "	1/2"	300	
" " "	3/4"	500	
" " "	1"	500	
" " "	1" 1/4	500	
" " "	1" 1/2	200	Tons.1.5
" " "	2"	200	
" " "	2" 1/2	150	
" " "	3"	150	
" " "	3" 1/2	100	
" " "	4"	100	
Tee at 90° reducers	3/8" at 1/4"	200	
" " " "	1/2" " 3/8"	250	
" " " "	3/4" " 1/2"	300	
" " " "	1" " 3/4"	350	
" " " "	1" 1/4 at 1"	300	
" " " "	1" 1/2 at 1" 1/4	2 50	Tons.0.15
" " " "	2" at 1" 1/2	200	
" " " "	2" 1/2 at 2"	150	
" " " "	3" at 2 1/2	100	

Declassified E.O. 12356 Section 3.3/NND No. 785021

" " "	3/4	500	
" " "	1"	500	
" " "	1" 1/4	200	Tons.1.5
" " "	1" 1/2	200	
" " "	2"	150	
" " "	2" 1/2	150	
" " "	3"	100	
" " "	3" 1/2	100	
" " "	4"	200	
Tee at 90° reducers	3/8" at 1/4"	250	
" " " "	1/2" " 3/8"	300	
" " " "	3/4" " 1/2"	350	
" " " "	1" " 3/4"	300	
" " " "	1" 1/4 at 1"	2 50	Tons.0.15
" " " "	1" 1/2 at 1" 1/4	200	
" " " "	2" at 1" 1/2	150	
" " " "	2" 1/2 at 2"	100	
" " " "	3" at 2" 1/2	100	
" " " "	3" 1/2 at 3"	50	
" " " "	4" at 3" 1/2	100	
Tee at 45°	1/4"	100	3273
" " "	3/8"	150	
" " "	1/2"	200	
" " "	3/4"		

Declassified E.O. 12356 Section 3.3/NND No. 785021

Tee at 45° 1"	250	
" " " 1" 1/4	200	Tons. 0.9
" " " 1" 1/2	100	
" " " 2"	100	
" " " 2" 1/2	50	
" " " 3"	50	
" " " 3" 1/2	50	
" " " 4"	50	
Curved Tee at 90° one curve 1/4"	100	
" " " " " " " 3/8"	150	
" " " " " " " 1/2"	200	
" " " " " " " 3/4"	250	
" " " " " " " 1"	300	
" " " " " " " 1" 1/4	250	
" " " " " " " 1" 1/2	200	Tons.0.12
" " " " " " " 2"	200	
" " " " " " " 2" 1/2	100	
Curved Tee at 90° one curve 3"	50	
" " " " " " " 3" 1/2	50	
" " " " " " " 4"	50	
" " " " " two curves 1/4"	100	
" " " " " " " 3/8"	150	
" " " " " " " 1/2"	200	
" " " " " " " 3/4"	250	
" " " " " " " 1"	300	
" " " " " " " 1" 1/4	250	Tons.0.12
" " " " " " " 1" 1/2	200	
" " " " " " " 2"	100	

Declassified E.O. 12356 Section 3.3/NND No. 785021

"	"	"	"	"	"	"	3/8"	150	
"	"	"	"	"	"	"	1/2"	200	
"	"	"	"	"	"	"	3/4"	250	
"	"	"	"	"	"	"	1"	300	
"	"	"	"	"	"	"	1" 1/4	250	
"	"	"	"	"	"	"	1" 1/2	200	Tons.0.12
"	"	"	"	"	"	"	2"	100	
"	"	"	"	"	"	"	2" 1/2	100	
Curved	Tee	at	90°	one	curve		3"	50	
"	"	"	"	"	"	"	3" 1/2	50	
"	"	"	"	"	"	"	4"	50	
"	"	"	"	"	two	curves	1/4"	100	
"	"	"	"	"	"	"	3/8"	150	
"	"	"	"	"	"	"	1/2"	200	
"	"	"	"	"	"	"	3/4"	250	
"	"	"	"	"	"	"	1"	300	
"	"	"	"	"	"	"	1" 1/4	250	Tons.0.12
"	"	"	"	"	"	"	1" 1/2	200	
"	"	"	"	"	"	"	2"	100	
"	"	"	"	"	"	"	2" 1/2	100	
"	"	"	"	"	"	"	3"	50	
"	"	"	"	"	"	"	3" 1/2	50	
"	"	"	"	"	"	"	4"	50	

3269

Declassified E.O. 12356 Section 3.3/NND No. 735021

Cross at 90°	1/4"	150	
" " "	3/8"	200	
" " "	1/2"	200	
" " "	3/4"	300	
" " "	1"	350	
" " "	1" 1/4	300	
" " "	1" 1/2	200	
" " "	2"	150	Tons.0.18
" " "	2" 1/2	100	
" " "	3"	100	
" " "	3" 1/2	50	
" " "	4"	50	
Cross at 90° reducers	3/8" at 1/4"	100	
" " " "	1/2" " 3/8"	150	
" " " "	3/4" " 1/2"	200	
" " " "	1" " 3/4"	250	
" " " "	1" 1/4 at 1"	250	
" " " "	1" 1/2 at 1"1/4	150	Tons.0.12
" " " "	2" " 1"1/2	100	
" " " "	2" 1/2 " 2"	50	
" " " "	3 at 2" 1/2	50	
" " " "	3" 1/2 at 3"	50	
" " " "	4" at 3" 1/2	50	
Unions e	1/4 "	500	
"	3/8"	750	
"	1/2"	1000	
"	3/4"	1250	
"	1"	1500	
"	1" 1/4	1500	Tons.0.12

Declassified E.O. 12356 Section 3.3/NND No. 785021

" " "	3" 1/2	50	
" " "	4"	50	
Cross at 90° reducers	3/8" at 1/4"	100	
" " " "	1/2" " 3/8"	150	
" " " "	3/4" " 1/2"	200	
" " " "	1" " 3/4"	250	
" " " "	1" 1/4 at 1"	250	
" " " "	1" 1/2 at 1"1/4	150	Tons.0.12
" " " "	2" " 1"1/2	100	
" " " "	2" 1/2 " 2"	50	
" " " "	3 at 2" 1/2	50	
" " " "	3" 1/2 at 3"	50	
" " " "	4" at 3" 1/2	50	
Unions e 1/4 "		500	
" 3/8"		750	
" 1/2"		1000	
" 3/4"		1250	
" 1"		1500	
" 1" 1/4		1500	Tons 2.10
" 1" 1/2		1000	
" 2"		750	
" 2" 1/2		500	
" 3"		400	
" 3" 1/2		300	
" 4"		200	

3268

Declassified E.O. 12356 Section 3.3/NND No. 785021

Unions reducers		3/8" at 1/4"	500	
"	"	1/2" " 3/8"	750	
"	"	3/4" " 1/2"	1000	
"	"	1" " 1/2"	500	
"	"	1" " 3/4"	1000	
"	"	1" 1/4 at 1/2"	500	
"	"	1" 1/4 at 3/4"	500	
"	"	1" 1/4 at 1"	1000	
"	"	1" 1/2 at 3/4"	500	Tons. 3.5
"	"	1" 1/2 at 1"	500	
"	"	1" 1/2 at 1" 1/4	750	
"	"	2" at 1"	350	
"	"	2" at 1" 1/4	250	
"	"	2"-1" 1/2	500	
"	"	2" 1/2 at 1" 1/4	250	
"	"	2" 1/2 at 1" 1/2	300	
"	"	2" 1/2 at 2"	400	
"	"	3" at 1" 1/2	200	
"	"	3" at 2"	150	
"	"	3" at 2" 1/2	300	
"	"	3" 1/2 at 2"	150	
"	"	3" 1/2 at 2" 1/2	100	
"	"	3" 1/2 at 3"	200	
"	"	4" at 2" 1/2	50	
"	"	4" at 3"	50	
"	"	4" at 3" 1/2	100	
Couplings	1/4"		250	
"	3/8"		300	

Declassified E.O. 12356 Section 3.3/NND No. 785021

"	"	1" 1/2 at 1" 1/4	750
"	"	2" at 1"	350
"	"	2" at 1" 1/4	250
"	"	2"-1" 1/2	500
"	"	2" 1/2 at 1" 1/4	250
"	"	2" 1/2 at 1" 1/2	500
"	"	2" 1/2 at 2"	400
"	"	3" at 1" 1/2	200
"	"	3" at 2"	150
"	"	3" at 2" 1/2	300
"	"	3" 1/2 at 2"	150
"	"	3" 1/2 at 2" 1/2	100
"	"	3" 1/2 at 3"	200
"	"	4" at 3" 1/2	50
"	"	4" at 3"	50
"	"	4" at 3" 1/2	100
Couplings	1/4"		250
"	3/8"		300
"	1/2"		500
"	3/4"		1000
"	1"		1500
"	1"x1/4		1000
"	1" 1/2		500
"	2"		300
"	2" 1/2		250
"	3"		200
"	3" 1/2		100
"	4"		50

3267

Tons. 1.13

Declassified E.O. 12356 Section 3.3/NND No. 785021

Doubles nipples with bolt	1/4"	1000	
" " " "	3/8 "	1500	
" " " "	1/2"	2000	
" " " "	3/4"	2500	
" " " "	1"	2500	
" " " "	1" 1/4	2000	
" " " "	1" 1/2	1000	Tons. 0.7
" " " "	2"	1000	
" " " "	2" 1/2	500	
" " " "	3"	500	
" " " "	3" 1/2	250	
" " " "	4"	250	
Nipples reducers male and female			
	3/8" at 1/4"	1000	
" "	" 1/2" " 3/8"	1000	
" "	" 3/4" " 1/2"	1000	
" "	" 1" " 1/2"	1000	
" "	" 1 " 3/4	1000	
" "	" 1" 1/4 at 1/2"	500	
" "	" 1" 1/4 " 3/4"	500	
" "	" 1" 1/4 " 1"	500	
" "	" 1" 1/2 at 1/2"	500	
" "	" 1" 1/2 at 3/4"	400	
" "	" 1" 1/2 " 1"	400	
" "	" 1" 1/2 " 1" 1/4	400	
" "	" 2" 3/4	300	Tons. 0.8
" "	" 2" 1"	300	
" "	" 2" 1" 1/4	300	

Declassified E.O. 12356 Section 3.3/NND No. 785021

" " " " 3"	250
" " " " 3" 1/2	250
" " " " 4"	
Nipples reducers male and female	
3/8"at 1/4"	1000
" " " 1/2" " 3/8"	1000
" " " 3/4" " 1/2"	1000
" " " 1" " 1/2"	1000
" " " 1 " 3/4	1000
" " " 1" 1/4 at 1/2"	500
" " " 1" 1/4 " 3/4"	500
" " " 1" 1/4 " 1"	500
" " " 1" 1/2 at 1/2"	500
" " " 1" 1/2 at 3/4"	400
" " " 1" 1/2 " 1"	400
" " " 1" 1/2 " 1" 1/4	400
" " " 2" 3/4	300
" " " 2" 1"	300
" " " 2" 1" 1/4	300
" " " 2" 1" 1/2	250
" " " 2" 1/2 at 1"	250
" " " 2" 1/2 at 1" 1/4"	200
" " " 2" /2 at 1" 1/2	200
" " " 2" 1/2 " 2"	200
" " " 3" at 1" 1/2	150
" " " 3" " 2"	150
" " " 3" " 2" 1/2	150
" " " 3" 1/2 at 1" 1/2	100

Tons. 0.8

Declassified E.O. 12356 Section 3.3/NND No. 785021

Nipples reducers male and female	
3" 1/2 at 2"	100
" " " 3" 1/2 " 2" 1/2	100
" " " 3" 1/2 " 3"	50
" " " 4" " 2" 1/2	50
" " " 4" " 3"	50
" " " 4" " 3" 1/2	50
Doubles nipples reducers with Bolt	
3/8"at 1/4"	1000
" " " 1/2" " 3/8"	1000
" " " 3/4" " 1/2"	1000
" " " 1" " 1/2"	1000
" " " 1" at 3/4"	1000
" " " 1" 1/4 at 1/2"	500
" " " 1" 1/4 at 3/4"	500
" " " 1" 1/4 at 1"	500
" " " 1" 1/2 at 1/2"	500
" " " 1" 1/2" at 3/4"	400
" " " 1" 1/2 at 1"	400
" " " 1" 1/2 at 1 1/4	400
" " " 2" at 3/4"	300
" " " 2" at 1"	300
" " " 2" at 1" 1/4	300
" " " 2" at 1" 1/2	250
" " " 2" 1/2 at 1"	250
" " " 2" 1/2 at 1" 1/4	200
" " " 2" 1/2 at 1" 1/2	200
" " " 2" 1/2 " 2"	

Tons. 0.8

Declassified E.O. 12356 Section 3.3/NND No. 785021

"	"	" 1/2" " 3/8"	1000
"	"	" 3/4" " 1/2"	1000
"	"	" 1" " 1/2"	1000
"	"	" 1" at 3/4"	500
"	"	" 1" 1/4 at 1/2"	500
"	"	" 1" 1/4 at 3/4"	500
"	"	" 1" 1/4 at 1"	500
"	"	" 1" 1/2 at 1/2"	400
"	"	" 1" 1/2" at 3/4"	400
"	"	" 1" 1/2 at 1"	400
"	"	" 1" 1/2 at 1 1/4	300
"	"	" 2" at 3/4"	300
"	"	" 2" at 1"	300
"	"	" 2" at 1" 1/4	250
"	"	" 2" at 1" 1/2	250
"	"	" 2" 1/2 at 1"	200
"	"	" 2" 1/2 at 1" 1/4	200
"	"	" 2" 1/2 at 1" 1/2	150
"	"	" 2" 1/2 " 2"	150
"	"	" 3" " 1" 1/2	150
"	"	" 3" at 2"	100
"	"	" 3" at 2" 1/2	100
"	"	" 3" 1/2 at 1" 1/2	100
"	"	" 3" 1/2 at 2"	
"	"	" 3" 1/2 at 2" 1/2	

TOES. 0.8

Declassified E.O. 12356 Section 3.3/NND No. 785021

Doubles nipples reducers with Bolt			
		3" 1/2 at 3"	50
"	"	" 4" at 2" 1/2	50
"	"	" 4" at 3"	50
"	"	" 4" at 3" 1/2	50
Exagonal clamps		1/4"	1000
"	"	3/8"	1000
"	"	1/2"	1500
"	"	3/4"	2000
"	"	1"	2000
"	"	1" 1/4	2000
"	"	1" 1/2	1000
"	"	2"	1000
"	"	2" 1/2	500
"	"	3"	500
"	"	3" 1/2	350
"	"	4"	250
Plugs at Bolt		1/4"	100
"	"	3/8"	100
"	"	1/2"	100
"	"	3/4"	150
"	"	1"	150
"	"	1" 1/4	150
"	"	1" 1/2	100
"	"	2"	100
"	"	2" 1/2	50
"	"	3"	50

Tons. 0.10

Tons.0.7

Declassified E.O. 12356 Section 3.3/NND No. 735021

"	"	1" 1/4	2000	Tons. 0.10
"	"	1" 1/2	1000	
"	"	2"	1000	
"	"	2" 1/2	500	
"	"	3"	500	
"	"	3" 1/2	250	
"	"	4"	250	
Plugs at Bolt		1/4"	100	
"	"	3/8"	100	
"	"	1/2"	100	
"	"	3/4"	150	
"	"	1"	150	
"	"	1" 1/4	150	
"	"	1" 1/2	100	
"	"	2"	100	Tons.0.7
"	"	2" 1/2	50	
"	"	3"	50	
"	"	3" 1/2	50	
"	"	4"	50	
Male taps		1/4"	100	
"	"	3/8"	100	
"	"	1/2"	100	
"	"	3/4"	150	
"	"	1"	150	
"	"	1" 1/4	150	
"	"	1" 1/2	100	Tons. 0.7
"	"	2"	100	

3264

Declassified E.O. 12356 Section 3.3/NND No. 735021

Male taps	2" 1/2	50	
" "	3"	50	
" "	3" 1/2	50	
" "	4"	50	
Flanges	1/4"	—	
"	3/8"	—	
"	1/2"	—	
"	3/4"	—	
"	1"	500	
"	1" 1/4	500	
"	1" 1/2	500	Tons. 3
"	2"	750	
"	2" 1/2	750	
"	3"	500	
"	3" 1/3	500	
"	4"	500	

Amount Weight approx Tons. 25

Declassified E.O. 12356 Section 3.3/NND No. 785021

"	2"	750
"	2" 1/2	750
"	3"	500
"	3" 1/3	500
"	4"	500

Amount Weight approx Tons. 25

3263

Declassified E.O. 12356 Section 3.3/NND No. 785021

Declassified E.O. 12356 Section 3.3/NND No. 785021

L 116

= R A I L =

1 = Type A.RA.A - Weight per yard 90 lbs - Section 9030 as rolled by U.S. Steel Corporation 39 ft; lenghts. Drilling 2.31"/32" x 5.1/2" for 5.1/2" x 5.1/2" x 5.1/2" joints. Holes 1" — TONS — 18.000

2 = Rail Joints - 4 holes 24"long. Head free and Skirtless - Hole spacing 5.1/2" x 5.1/2" x 5.1/2" — " — 1.200

3 = Bolts and Nuts 7/8" x 5.1/2" Oil treated US Sdt. thread — " — 160

4 = Tie plates 7.1/2" x 10.1/2" cant 1" in 20 4 hole per plate, holes for 7/8" screwspikes — " — 4.800

5 = Rail anchors - Modified Fair 90 lb 400.000 — " — 400

6 = Screw Spikes size 7/8" x 6" threads Blue Prints (10) — " — 300

7 = 15/16" Lock Washers - Hy- Chrome Reliance - Hy Chrome - Spring Washhers Standard " Hy - Chrome" or equal As mfg by Eaton Mfg.Co Massillion Ohio — " — 20

8 = (9020) Section) Insulated rail joints - Complate with insulation - Hole spacing 5.1/2" x5.1/2"x 5.1/2" - 1" hole — Pr. — 1.000

9 = 90# turnants complate with switch plates, rail braces, swithh rods, connecting rods and main track, low switch stands, with switch lamps, red and green targets. — N. R.H. — 100
— N. L.H — 100

4 x 1:10 Rigid O.H Steel Frogs 17 ft long

US Sdt. thread " 160

4 = Tie plates 7.1/2" x 10.1/2" cant 1H in 20
4 hole per plate, holes for 7/8" screwspikes " 4.800

5 = Rail anchors - Modified Fair 90 lb
400.000 " 400

6 = Screw Spikes size 7/8" x 6" threads
Blue Prints (10) " 300

7 = 15/16" Lock Washers - Hy- Chrome
Reliance - Hy Chrome - Spring Whshhers
Standard " Hy - Chrome" or equal
As mfg by Eaton Mfg.Co Massillion Ohio " 20

8 = (9000) Section) Insulated rail joints -
Complate with insulation - Hole spacing
5.1/2" x5.1/2"x 5.1/2" - 1" hole N. 1.000

9 = 90# turnants complate with switch plates,
rail braces, swithe rods, connecting rods and main track, low switch stands, with switch lamps, red and green targets. N. R.H 100
N. L.H 100

10 = 90# ~~Post long complete with plate.~~ No 10 Rigid 0.1 Steel frogs 17 ft long 11 foot ~~turnt~~ guard rail complate with plates, filler and blocks and bolts.

~~R.H.~~ R.H. N. 200 ~~100~~

9982

Declassified E.O. 12356 Section 3.3/NND No. 735021

Declassified E.O. 12356 Section 3.3/NND No. 785021

MATERIALS AND MACHINES FOR THE RESUMPTION OF ELECTRIC TRACTION PLANTS

a) For substations and electric cabins

Three-phase transformers (oil cooled) 3 windings 15.000 KV - frequency 50 periods	KVA 120/60/10	N.	6
Three-phase transformers (oil cooled) 2 windings 12.000 KVA 120/10/KV with regulating unit - frequency 50 periods	"		1
Three- phase 12 phase transformers (oil cooled) for rectifier cylinders 2950 KVA - 120/6x2x2,5 KV	"		20
Trasformers as above 60/6x2x2,5 KV - frequency 50 periods	"		12
Three - phase transformers(oil cooled) 2.000 ÷ KVA 10.000/260-150V- frequency 50 periods	"	10	KVA 2.000 N2 " 1.500 "2 " 1.000 "2 " 800 "2 " 500 "2
Transformers as above 400 ÷ 100 KVA frequency 50 periods	"	30	KVA 400 N 5 " 200 " 10 " 100 " 15
Transformers as above 50 ÷ 20 KVA frequency 50 periods	"	20	KVA 50 N 10 " 30 " 10
Transformers as above, pole type, 100 ÷ 50 KVA - frequency 50 periods	"	40	KVA 100 N 20 " 50 " 20
Continous current self regulating monophase transformers (air cooled)			KVA 60 N 16 " 40 " 20

cooled) for rectifier cylinders 2850 KVA - 130/6x2x2,5 KV	"	20	
Trasformers as above 60/6x2x2,5 KV - frequency 50 periods	"	12	
Three - phase transformers (oil cooled) 2.000 ÷ KVA 10.000/280-150V- frequency 50 periods	"	10	KVA 2.000 N2 " 1.500 "2 " 1.000 "2 " 800 "2 " 500 "2
Transformers as above 400 ÷ 100 KVA frequency 50 periods	"	30	KVA 400 N 5 " 200 " 10 " 100 " 15
Transformers as above 50 ÷ 20 KVA frequency 50 periods	"	20	KVA 50 N 10 " 20 " 10
Transformers as above, pole type, 100 ÷ 50 KVA - frequency 50 periods	"	40	KVA 100 N 20 " 50 " 20
Continous current self regulating monophase transformers (air cooled) primary voltage 10 KV + Secondary current 9,6 A - 60 ÷ 10 KVA - Frequency 50 periods	"	100	KVA 60 N 16 " 40 " 20 " 20 " 24 " 10 " 40
12 anodes rectifier cylinders for 670 A and 2.000 KV, to be supplied with all apparatuses accessories and spare parts	"	30	
Movable substations with rectifier cylinders between 2.000 KV and 3,4 KV and transformers for 120 - 60 KV primary voltage	"	6	

3264

0.8.7.0

Declassified E.O. 12356 Section 3.3/NND No. 785021

0871

Declassified E.O. 12356 Section 3.3/NND No. 785021

REQUIREMENT OF BATTERIES FOR ACCUMULATORS FOR SUBSIDIARY SERVICES ON ELECTRIC LOCOMOTIVES WITH DIRECT CURRENT 300 VOLTS, FOR THE LIGHTING OF STEAM LOCOMOTIVES, THE OPERATION OF RAILWAY GAS MOTOR-CARS AND FOR TELEPHONES AND TELEGRAPH.

1.- Batteries for subsidiary services on electric locomotives with direct current and steam locomotives (type A) - Volts 12 Amp. h. 120 (see attached sketch) N. 7.000

2.- Batteries for telephones and telegraph (type B) Volts 4 Amp; h. 50 dimension of space occupied:
(height 10" 15/32
(base 6" 11/16 x 4" 5/8 " 4.000

3.- Batteries for railway gas motor-cars (littorine) in ebonite box - type 3y7 Volts 6 Amp.h.112 (Type C) dimension of space occupied:
(height 8" 1/4
(base 10" 13/32 x 7" 9/32 " 2.000

4.- Batteries for railway gas motor-cars (littorine) in ebonite cases- contained in wooden boxes type 3y 14 Volt.6 Amp.h. 224 (type C) dimension of space occupied:
(height 8" 1/4
(base 23" 5/6 x 10" 5/8 " 1.000

3270

Exhibit #1

SPORMS DEPARTMENT

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)

- - - -

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

Declassified E.O. 12356 Section 3.3/NND No. 785021

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

Declassified E.O. 12356 Section 3.3/NND No. 785021

VERNISHES, COLOURING MATERIALS, BRUSHES, FLAT PAINT BRUSHES (for vernishing of wood parts of cars)

1-	Turpentine essential		
2-	Crude and boiled linseed oil (for vernishing and impermeabilization of olona cloth for car roofs)	tons "	100 250
3-	Mineral turpentine		
4-	Zinc white	"	50
5-	Niveous zinc white	"	25
6-	Lead minium	"	5
7-	Wagon red	"	15
8-	Lampblack	"	40
9-	Sverniciatore (a product used for rubbing off paint from coaches)	"	5
10-	Gum lac A.B.T.N. (trade Mark "Angelo) (used to prepair insulating vernishes and for electric machines)	" "	15 2
11-	Bristle brushes (type n. 12) 7/8" round	No	600
12-	" " (" " 13) 1''' "	"	600
13-	" " (" " 14) 1 3/16" "	"	600
14-	" " (" " 15) 1 3/8" "	"	600
15-	" " (" " 16) 1 3/4" "	"	500
16-	" " (" " 17) 2 1/8" "	"	500
17-	Horse Hair ~~Brushes~~ (type n. 8) (for glue and gum) 1/2" round	"	500
16-	Horse Hair ~~Brushes~~ (type n. 9) (for glue and gum) 1" round	"	1000 700

Declassified E.O. 12356 Section 3.3/NND No. 785021

7-	Wagon red	"	5
8-	Lampblack		
9-	Sverniciatore (a product used for rubbing off paint from coaches)	"	15
10-	Gum lac A.B.T.M. (trade Mark "Angelo) (used to prepair insulating vernishes and for electric machines)	"	2
11-	Bristle brushes (type n. 12) 7/8" round	No	600
12-	" " (" " 13) 1''' "	"	600
13-	" " (" " 14) 1 3/16" "	"	600
14-	" " (" " 15) 1 3/8" "	"	500
15-	" " (" " 16) 1 3/4" "	"	500
16-	" " (" " 17) 2 1/8" "	"	500
17-	Horse Hair Brushes (type n. 8) 1/2" round (for glue and gum)	"	1000
18-	Horse Hair Brushes (type n. 9) 1" round (for glue and gum)	"	700

Declassified E.O. 12356 Section 3.3/NND No. 785021

LEATHER BELTS

(used at Railway workshops for transmission of motive power to tool machines)

SIMPLE

I - Leather Belts

width	1"	thickness	approx.	1/5"	Yards	200
"	1-1/5	"	"	"	"	300
"	1-2/5	"	"	"	"	300
"	1-3/5	"	"	"	"	500
"	1-4/5	"	"	"	"	300
"	2"	"	"	"	"	300
"	2-2/5	"	"	"	"	600
"	2-4/5	"	"	"	"	700
"	3"	"	"	"	"	200
"	3-1/5	"	"	"	"	600
"	3-2/5	"	"	1/4"	"	200
"	3-3/5	"	"	"	"	500
"	4"	"	"	"	"	600
"	4-2/5	"	"	"	"	500
"	4-4/5	"	"	"	"	200

DOUBLE

II- Leather Belts

width	2"4/5	thickness	approx.	1/2"	Yards	100
"	3-3/5	"	"	"	"	200
"		"	"	"	"	200

Declassified E.O. 12356 Section 3.3/NND No. 795021

"	1-2/5	"	"	"	"	300
"	1-3/5	"	"	"	"	500
"	1-4/5	"	"	"	"	300
"	2"	"	"	"	"	300
"	2-2/5	"	"	"	"	600
"	2-4/5	"	"	"	"	700
"	3"	"	"	"	"	200
"	3-1/5	"	"	"	"	600
"	3-2/5	"	"	1/4"	"	200
"	3-3/5	"	"	"	"	500
"	4"	"	"	"	"	600
"	4-2/5	"	"	"	"	500
"	4-4/5	"	"	"	"	200

DOUBLE

II- Leather Belts

width	2"-4/5	thickness	approx.	1/2"	Yards	100
"	3-3/5	"	"	"	"	200
"	4"	"	"	"	"	200
"	4-2/5	"	"	"	"	300
"	4-4/5	"	"	"	"	400
"	5-3/5	"	"	"	"	300

Declassified E.O. 12356 Section 3.3/NND No. 785021

LEATHERS AND THIN LEATHERS

(tanned hides)

(used at Railway workshops for the manufacture of various packings for locomotives, hydraulic pumps, etc.)

1- DORSAL DRY LEATHER-

Thickness between 1/6" and 1/4" tons 3

2- DORSAL GREASY LEATHER-

Thickness between 1/6" and 1/4" " 2

3- THIN LEATHER-

Uniform thickness 1/6" " 2

4- THIN LEATHER-

Uniform thickness 1/12" " 3

Declassified E.O. 12356 Section 3.3/NND No. 785021

2- DORSAL GREASY LEATHER- " 2

Thickness between 1/8" and 1/4"

3- THIN LEATHER- " 2

Uniform thickness 1/8"

4- THIN LEATHER- " 3

Uniform thickness 1/12"

2256

Declassified E.O. 12356 Section 3.3/NND No. 785021

C H E M I C A L S

1 -	Common glue (for joinery works)	tons	2.5
2-	Gumming paste (for labelling of cars)	"	25.-
3-	Refined borax (for workshops and welding)	"	2.5
4-	Ammonium chloride (for workshops and celles)	"	60.-
5-	Ferrocyanide of potassium (for workshops)	"	5.-
6-	Colophony (for workshops and electric insulators)	"	65.-
7-	~~Cracks~~ Torpedoes (for signalling)	No	500.000
8-	Sulphuric acid (for batteries and workshops)	tons	5.-
9-	Hydrocloric acid 20° Bè (for workshops)	"	2.5
10-	Nitric acid 36/40 Bè	"	1.-
11-	Refiner for acetylene gas (used to refine the gas produced by the carbide of calcium from solid particles and dampness, in order to not damage the welding. They are, generally, natural or artificial zeolites)	"	5.-
12-	~~Tender~~ Soft common soap (for lubricating of tool machines)	"	10.-

Declassified E.O. 12356 Section 3.3/NND No. 785021

	insulators)	"	65.-
	Torpedoes		
7-	~~Cracks~~ (for signalling)	No	500.000
8-	Sulphuric acid (for batteries and workshops)	tons	5.-
9-	Hydrocloric acid 20° Bè (for workshops)	"	2.5
10-	Nitric acid 36/40 Bè	"	1.-
11-	Refiner for acetylene gas (used to refine the gas produced by the carbide of calcium from solid particles and dampness, in order to not damage the welding. They are, generally, natural or artificial zeolites)	"	5.-
	Soft		
12-	~~Tender~~ common soap (for lubricating of tool machines)	"	10.-

---

Declassified E.O. 12356 Section 3.3/NND No. 785021

CLOTHS AND YARNS

1-	Wool and horse hair for locomotive boxes	tons	4000
2-	Spunned wool for locomotive boxes	"	5000
3-	Flat wick for petroleum lamps - size 1/2"	yards	10000
4-	" " " " " - " 5/8"	"	30000
5-	" " " " " - " 2"	"	20000
6-	Canvas Olona cloth of cotton or hemp- 8' ~~high~~ wide for car roofs	"	2000
7-	Canvas Olona cloth of cotton or hemp- 9' ~~high~~ wide for car roofs	"	1000
8-	Canvas Olona cloth of cotton or hemp-10' ~~high~~ wide for car roofs	"	15000
9-	Canvas Olona cloth of cotton or hemp-10'.6" ~~high~~ wide for car roofs	"	7500
10-	Canvas Olona cloth of cotton or hemp- 11' ~~high~~ wide	"	1000
11-	Cotton rags for clearing of machines	tons	55
12-	Cotton waste for cleaning of machines locomotives etc.	"	300
13-	Lamp wick	"	5
14-	White ~~spunned~~ and twisted cotton for sewing (type N.O.) in spools of 400 yards	spools	2500
15-	As above (type N. 16)	"	2500
16-	" " (" " 24)	"	8000
17-	Black ~~spunned~~ and twisted cotton for sewing (type N.O.) in spools of 400 yards	"	7500
18-	As above type N. 16	"	5000
19-	" " " N. 24	"	4000

Declassified E.O. 12356 Section 3.3/NND No. 785021

6-	Olona cloth of cotton or hemp- 8' ~~high~~ for car roofs	"	2000
7-	Canvas Olona cloth of cotton or hemp- 9' wide ~~high~~ for car roofs	"	1000
8-	Canvas Olona cloth of cotton or hemp-10' wide ~~high~~ for car roofs	"	15000
9-	Canvas Olona cloth of cotton or hemp-10'.6" wide ~~high~~ for car roofs	"	7500
10-	Canvas Olona cloth of cotton or hemp- 11' wide ~~high~~	"	1000
11-	Cotton rags for cleaning of machines	tons	55
12-	Cotton waste for clearing of machines locomotives etc.	"	300
13-	Lamp wick	"	5
14-	White ~~spinned~~ and twisted cotton for sewing (type N°.) in spools of 400 yards	spools	2500
15-	As above (type n°.16)	"	2500
16-	" " (" " 24)	"	8000
17-	Black ~~spinned~~ and twisted cotton for sewing (type N°.) in spools of 400 yards	"	7500
18-	As above type N° 16	"	5000
19-	" " " N° 24	"	4000

3254

Declassified E.O. 12356 Section 3.3/NND No. 785021

L A M P S

1-	Acetylene lamps (between 500 and 1000 candle-power) (They are necessary for works in tunnels)	M. 50
2-	Acetylene lamps (between 3000 and 5000 candle-power) - (They are necessary for works in tunnels)	" 50
3-	Brass burners (type M.7) for oil lamps (encl^{d} A)	"10000
4-	Burners for portable acetylene lamps (3 gallons capacity) U.S.Standard (")	"30000
5-	Burners for portable acetylene lamps (4 gallons capacity) U.S.Standard (")	"20000

('') Tapered thread connection 3/8'' to 1/4''

---

0 8 8 8

Declassified E.O. 12356 Section 3.3/NND No. 785021

3- Brass burners (type ('')) for [illegible]

4- Burners for portable acetylene lamps (3 gallons capacity) U.S.Standard (") "30000

5- Burners for portable acetylene lamps (4 gallons capacity) U.S.Standard (") "20000

('') Tapered thread connection 3/8'' to 1/4''

Declassified E.O. 12356 Section 3.3/NND No. 785021

2nd List

S T O R E S S E R V I C E

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

1- Tar oil (creosote)	Tons	750	- To be used for treatment of ties in particular and other kinds of timber.
2- ~~Black~~ Vergin oil for oil-boxes	"	1250	- For oil-boxes of steam and electric locomotives, electric railway meter-cars, mechanical parts of steam and electric locomotives and machinery of workshops, ect.
3- Saturated oil for steam cylinders	"	60	- For distributers and cylinders of locomotives, railway meter-car and generally of all saturaded steam engines supplied with condensation or pressure lubricator
4- Superheated oil for steam cylinders	"	210	- For distributers and cylinders of locomotives and other superheated steam engines.
5- Transformer oil	"	275	- N.B. Quantities whereof para: 2)3)4) are foreseen for a consumption covering 6 months of railway operation in liberated Italy and are calculated according to a movement of: Km locomotives 36.000.000 Km train 25.000.000 - For transformer switches, operation of electric lines, electric locomotives, transformers and the like.
6- Fluid oil for motorcars	"	155	- For cylinders and generally for

Declassified E.O. 12356 Section 3.3/NND No. 785031

			steam and electric locomotives and machinery of workshops, ect.
3- Saturated oil for steam cylinders	"	60	- For distributors and cylinders of locomotives, railway meter-car and generally of all saturated steam engines supplied with condensation or pressure lubricator
4- Superheated oil for steam cylinders	"	210	- For distributors and cylinders of locomotives and other superheated steam engines.
			- N.B. Quantities whereof para: 2)3)4) are foreseen for a consumption covering 366 months of railway operation in liberated Italy and are calculated according to a movement of: Km locomotives 30.000.000 Km train 25.000.000
5- Transformer oil	"	275	- For transformer switches, operation of electric lines, electric locomotives, transformers and the like.
6- Fluid oil for motors (SAE 30 motor oil)	"	135	- For cylinders and generally for movements of gas, heated air and liquid fuel motors, motorcars excepted; for motorcars magnets ect.; for cylinders of air compressors, for typographical and litographical machinery, for axles of electric motors and generally for high speed axles.
7- Densse oil for motors (SAE 50 motor oil)	"	75	- For meter car cylinders .
8- Extradense oil for gears	"	6	- For gears and speed boxes of motorcars.
9- Emulsionabel chemical oil	"	6	- For tools of machinery.
10- Glycerine (or substitute	"	70	- For hydrodynamic apparatus, jacks, etc
	"	~~75~~	~~- For hydrodinamic apparatus,~~

Declassified E.O. 12356 Section 3.3/NND No. 785021

11- Mineral Grease	Tons	30	- For lubricating Westinhouse brakes, Gears of electric locomotives and railway motorcars.
12- Non codex Vaseline		1	- For lubricating tachometers commutaters with metallic brushes, for photo-electric search-lights and other delicate rigging of steamers. For the preservation of the leather of the railway-car bellows, ect.
13- Paraffin wax		1	- For the treatment with solic paraffin of timber and othe material in electric works.
14- Pitch-pine-Oregon-pine spruce (deals 6"x10"x12' (feet) and up or boards 1½"x8"x10' (feet) and up)	B.M. M.B.FT.	2200-	- For repair and rebuilding of railway coaches and cars.
15- Timber for construction of railway cars (Beach - oake eec.) sizes as above	M.B.Ft.	1100-	do.

Declassified E.O. 12356 Section 3.3/NND No. 785021

13- Paraffin wax				- For impregnation with paraffin of timber and other material in electric works.
	6" x 10"			
14- Pitch-pine-Oregon-pine spruce (deals 9"x3"x12' (feet) and up or boards 1½x8"x10' (feet) and up)		B.M. M.B.Ft.	2200-	- For repair and rebuilding of railway coaches and cars.
15- Timber for construction of railway cars (Beech - oake etc.) sizes as above			1100-	do.

Declassified E.O. 12356 Section 3.3/NND NO. 785021

3rd List

STORES SERVICE

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

Declassified E.O. 12356 Section 3.3/NND No. 785021

0 8 9 1

Declassified E.O. 12356 Section 3.3/NND No. 785021

Declassified and Approved For Release 2013/07/30 : CIA-RDP85T00788R000100010001-2

Motor vehicles and rubber materials for same

Trucks, capacity of 4 - 5 tons	30	For transporting material on Railway lines to be reconstructed and as substitution of motor trucks out of use.
" " 1 - 1.1/2 tons.	150	
Passenger Cars for Expos. Engineers Inds. Chaco Engrs	100.	

Tires and inner tubes for motor vehicles

Dimensions	Tires	Tubes	
4.00" x 15"	60	60	
5.00" x 15"	110	110	To be used on I. . .S. vehicles indispensable for operational and inspective purposes.
5.50" x 15"	130	130	
6.00" x 15"	60	60	
5.50" x 16"	40	40	The tires on most of these vehicles are already in a very bad state and cannot be repaired
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	
6.00" x 17"	40	40	
7.00" x 17"	40	40	
130 millimeters x 40 cms.	20	20	
165 " x400 "	70	70	
165 " x400 "	40	40	

Tires and inner tubes for trucks-

Dimensions	Tires	Tubes

Declassified E.O. 12356 Section 3.3/NND No. 785021

5.50" x 15"	130
5.50" x 15"	60
5.00" x 16"	40
5.50" x 16"	200
6.00" x 16"	40
4.00" x 17"	50
4.25" x 17"	40
5.25" x 17"	40
5.50" x 17"	40
6.50" x 17"	40
7.00" x 17"	20
150 millimeters x 40 cms.	70
165 " x400 "	40
185 " x400 "	

vehicles indispensable for operational and inspective purposes.

The tires on most of these vehicles are already in a very bad state and cannot be repaired

Tires and inner tubes for trucks-

Dimensions	Tires	Tubes
6.00 x 16	70	70
7.50 x 20	150	150
[illegible]	70	[illegible]
32 x 6	150	150
34 x 7	70	70
38 x 7	70	70
36 x 8	70	70
40 x 9	150	150

[illegible]

?259

Declassified E.O. 12356 Section 3.3/NND No. 735021

Rubber materials

Rubber sheets with surface having linen appearance, 120" x 40" x 3/64"..... Lbs. 350

Rubber in sheets as above 120" x 40" x 5/64"..... 500
" " " " " 120" x 40" x 1/8" 1000
" " " " " 78" x 40" x 5/32" 1150
" " " " " 78" x 40" x 3/20 700
" " " having smooth surface
78" x 40" x 5/16" 200
" " " as above 40" x 40" x 3/20" ... 350
" " " " " 40" x 40" x 10/16" ... 150
" " " with hemp fabric inserted into
them 120" x 40" x 1/16" 450
" " " as above 120" x 40" x 5/64" 1000
" " " " " 120" x 40" x 3/20" ... 450
" " " " " 120" x 40" x 1/8" 1700

Cloth and rubber tubes 25/32" x 33/64", 32 feet long, Ins. 9 45/64 for pneumatic device and for compressed air and gas conduct (oxygen excluded) .....Yards 5000

Cloth and rubber tubes 43/64" x 3/20", 32 feet long, Ins 9 45/64 for acetylene gas and oxygen conduit for welding 4500

Cloth and rubber tubes containing galvanized spiral steel wire, 2 3/8" x 1 25/32", 4.36 yards long for hot washing of boilers 2000

Cloth and rubber tube, 19/32" x 3/20" for conveying soaped water to machine-tools, for dampering coal and for transmitting gas to lamps..3500

Cloth and rubber tube 63/64" x 19/32" for transmitting soaped water to machine tools for dampening coal and conveying gas to lamps..... 2500

Cloth and rubber tube, 1 9/64" x 7/8" for protecting fastening parts of electric motor cables 250

To derive various fittings, couplings etc....

Declassified E.O. 12356 Section 3.3/NND No. 785027

" " " as above 120" x 40" x 5/32" ... 450
" " " " " 120" x 40" x 3/16" ... 450
" " " " " 120" x 40" x 1/8" 1700

Cloth and rubber tubes 29/32" x 33/64", 32 feet long, Ins. 9 15/64 for pneumatic device and for compressed air and gas conduct (oxygen excluded) ....Yards 3000

Cloth and rubber tubes 49/64" x 9/20", 32 feet long, Ins 9 45/64 for acetylene gas and oxygen conduit for welding 4500

Cloth and rubber tubes containing galvanized spiral steel wire, 2 3/8" x 1 25/32", 4.36 yards long for hot washing of boilers 2000

Cloth and rubber tube, 19/32" x 9/20" for conveying soaped water to machine-tools, for dampering coal and for transmitting gas to lamps..3500

Cloth and rubber tube 63/64" x 19/32" for transmitting soaped water to machine tools for dampening coal and conveying gas to lamps..... 2500

Cloth and rubber tube, 1 9/64" x 7/8" for protecting fastening parts of electric motor cables..... 350

3238

x 16. Rubber tube with cloths and plaits inserted into it, 5/16" x 19/32" for transmitting air into conductor. 1600

Cloth and rubber tube, 2 3/8" x 2 49/64" in diameter, for the piping of motors cooling-water .. . . 100 (for motor engines)

(continued on page 3)

Eg

Declassified E.O. 12356 Section 3.3/NND No. 785021

(continued from page 2)

Para rubber putty . . .. Lbs. 250

White adhesive rubbered ribbon..... Yards 100000

Black " " " 90000

Rubber tubes with four layers of cloth inserted into them for compressed air conduit of Westinghouse brake:

Ø 1" x 1" 7/8 1500

" 1" 7/64 x 1" 3/4 4550

Declassified E.O. 12356 Section 3.3/NND No. 785021

0897

Declassified E.O. 12356 Section 3.3/NND No. 785021

Declassified E.O. 12356 Section 3.3/NND No. 785021

Glass panes and glass materials

Plano-convex lens for signalling			
Caloite-shaped (see notes)	400	Basis diameter	rise
"	3000	1.31/32"	25/32"
"	2300	2.1/8"	15/16"
"	2300	2.11/64"	25/32"
"	3500	3.35/64"	1.7/32"
"	2250	4.1/16"	1.1/2"
"	2250	5.5/8"	2.3/32"
		5.29/32"	1.37/32"
Glass tubes for kerosene lamps, basis diameter: 1.17 x 32" and 9.41/64" high .....each	150000		
Colorless glasses for hand lanterns 1/16" - 3/32" sq.yards	900	to be supplied in sheets of about 1 to 1.1" sq.yards	
Colorless glasses for signalling 3/32" ÷ 1/8" thick sq.yards	5400	"	
Red colored glasses for hand lanterns 1/16" ÷ 3/32" thick "	600	"	
Red colored glasses for signalling 3/32" ÷ 1/8 thick sq.yards	360	"	
Green blue colored glasses for hand lantern, 1/16" ÷ 3/32" thick	600	"	
Green blue colored glasses for signalling 3/32" ÷ 1/8" thick	840	"	
Blue-violet colored glasses 3/32" ÷ 1/8" thick	240	"	
White milk colored glasses for signalling 3/32" ÷ 1/8"	360	to be supplied in sheets of about 1.20 sq. yards	
Yellow colored glasses for		"	

Colorless glasses for hand lanterns 1/16" - 3/32"	sq.yards 900	to be supplied in sheets of about 1 to 1.1 sq.yards
Colorless glasses for signalling 3/32" ÷ 1/8" thick	sq.yards 5400	"
Red colored glasses for hand lanterns 1/16" ÷ 3/32" thick	" 600	"
Red colored glasses for signalling 3/32" ÷ 1/8 thick	sq.yards 360	"
Green blue colored glasses for hand lantern, 1/16" ÷ 3/32" thick	600	"
Green blue colored glasses for signalling 3/32" ÷ 1/8" thick	840	"
Blue-violet colored glasses 3/32" ÷ 1/8" thick	240	"
White milk colored glasses for signalling 3/32" ÷ 1/8"	360	to be supplied in sheets of about 1.20 sq. yards
Yellow colored glasses for signalling 3/32" ÷ 1/8" thick	480	" "

ag

Declassified E.O. 12356 Section 3.3/NND No. 785021

Sepia paper for preparation purposes
(Cyanographic and heliographic)

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

-collature: this must be such as to render it possible absorption of sensible solution

-supply : in rollers, 1 yard wide and 4 inches long: 554 yards, 4 inches, 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 rolles having inside and for all its lenght a square opening to let in the machine shaft, whose square section is 1.968 inches each side.

Weights for square meter: 2 ounces (sepia); oun. 2.5 (cyanographic); 3.5 ounces (heliographic).

Quantity which is needed:

Sepia paper 1 1/2 Tons.

Cyanogr." 3 1/2 "

Heliogr." 5 " Total Tons. 10

(for reproduction of all drawings

Declassified E.O. 12356 Section 3.3/NND No. 785021

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 rolles having inside and for all its lenght a square opening to let in the machine shaft, whose square section is 1.968 inches each side.

Weights for square meter: 2 ounces (sepia); oun. 3.5 (cyanographic); 3.5 ounces (heliographic).

Quantity which is needed:

Sepia paper	1 1/2	Tons.	
Cyanogr."	3 1/2	"	
Heliogr. "	5	"	Total Tons. 10

-drawing glossy paper in rollers (yards 2 inch 3 x = yards 22 inch 8)	Tons.	1 1/2	for reproduction of all drawings concerning I.C.E structures and installations.
-small card boards for forms for "Watson" Machine	"	25	
-small cardboards for travelling tickets (to be printed with Goebel machines)	"	50	

x 2. 9275

Declassified E.O. 12356 Section 3.3/NND No. 785021

Paper in bands for telegraph

For Morse machine (mixture of any vegetal fible) weight per square feet - grains 5.. -width of band: 3"/8" - diameter of roller: 3" /5 1/8"- inner bore diameter: 1" 1/8 1" 1/4 - weight of rollers: grains 1200 ..... Tons. 10

Gummed paper for telegraph operators

Diameter: 8" - width of bands: 3"/8" inner bore diameters: 7/16" (wood core) weight per yard: grains 12 - weight of reller: grains 4,012,320 Tons. 3

Declassified E.O. 12356 Section 3.3/NND No. 785021

Declassified E.O. 12356 Section 3.3/NND No. 785021

0903

NLS F93-139
By LB NARA Date 3/21/94

Form 10-300a (Rev. 10-74)

UNITED STATES DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

NATIONAL REGISTER OF HISTORIC PLACES
INVENTORY -- NOMINATION FORM

See instructions in How to complete National Register Forms.
Type all entries -- complete applicable sections

Sundry materials

Large padlocks	2.33/64" x 1.13/16"	3000
Small "	2.3/64" x 1.1/2"	12000

Declassified E.O. 12356 Section 3.3/NND No. 785021

0905

Declassified E.O. 12356 Section 3.3/NND No. 785021

Rail No 6

= R A I L =

1 = Type A.RA.A - Weight per yard 90 lbs - Section 9020 as rolled by U.S. Steel Corporation 39 ft; lenghts. Drilling 2.21"/32" x 5.1/2" for 5.1/2" x 5.1/2" x 5.1/2" joints. Holes 1"	TONS	18.000
2 = Rail Joints - 4 holes 24"long. Head free and Skittless - Hole spacing 5.1/2" x 5.1/2" x 5.1/2"	"	1.200
3 = Bolts and Nuts 7/8" x 5.1/2" Oil treated US Sdt. thread	"	160
4 = Tie plates 7.1/2" x 10.1/2" cant 1" in 20, 4 hole per plate, holes for 7/8" screwspikes	"	4.800
5 = Rail anchors - Modifief Fair 90 lb 400.000	"	400
6 = Screw Spikes size 7/8" x 6" threads Plus Prints (10)	"	300
7 = 15/16" Lock Washers - Hy- Chrome Reliance - Hy Chrome - Spring Washbers Standard " Hy - Chrome" or equal As mfg by Eaton Mfg.Co Massillion Ohio	"	20
8 = (9020) Section) Insulated rail joints - Complate with insulation - Hole spacing 5.1/2" x5.1/2"x 5.1/2" - 1" hole	N.	1.000
9 = 90# turnants complate with switch plates, 6" solid joint rail braces, switch rods, connecting rods and main track, low switch stands, with switch lamps, red and green targets.	N. RH N LH	100 100
10 = 90#/foot No 10 Rigid O.H Steel frogs, 17' long complete with plate, 11 foot		

Declassified E.O. 12356 Section 3.3/NND No. 735021

3 = Bolts and Nuts 7/8" x 5.1/2" Oil treated US Sdt. thread — " — 160

4 = Tie plates 7.1/2" x 10.1/2" cant 1¾ in 20, 4 hole per plate, holes for 7/8" screwspikes — " — 4.800

5 = Rail anchors - Modifief Fair 90 lb 400.000 — " — 400

6 = Screw Spikes size 7/8" x 6" threads Blue Prints (10) — " — 300

7 = 15/16" Lock Washers - Hy- Chrome Reliance - Hy Chrome - Spring Whashers Standard " Hy - Chrome" or equal As mfg by Eaton Mfg.Co Massillion Ohio — " — 20

9 = (9020) Section) Insulated rail joints - Complate with insulation - Hole spacing 5.1/2" x5.1/2"x 5.1/2" - 1" hole — N. — 1.000

9 = 90# turnants complate with switch plates, N°5 Sadd[illegible] rail braces, switch rods, connecting rods and main track, low switch stands, with switch lamps, red and green targets. — N. R H — 100
— N L H — 100

10 = 90# ~~feet long complete with plate,~~ N° 10 Rigid O.H Steel frogs. 17' long 11 foot ~~long~~ guard rail complete with plates, filler and blocks and bolts.

~~R.H.~~
~~L.H.~~ — N. — 22.2 — 100 ~~100~~

Declassified E.O. 12356 Section 3.3/NND No. 785021

Declassified E.O. 12356 Section 3.3/NND No. 785021

MATERIALS AND MACHINES FOR THE RESUMPTION OF ELECTRIC TRACTION PLANTS

a) For substations and electric cabins

Three-phase transformers (oil cooled) 3 windings 15.000 KV - frequency 50 periods	KVA 120/60/10	N.	6
Three-phase transformers (oil cooled) 2 windings 12.000 KVA 120/10/KV with regulating unit - frequency 50 periods	"		1
Three- phase 12 phase transformers (oil cooled) for rectifier cylinders 2850 KVA - 120/6x2x2,5 KV	"		20
Trasformers as above 60/6x2x2,5 KV - frequency 50 periods	"		12
Three - phase transformers (oil cooled) 2.000 ÷ KVA 10.000/250-150V- frequency 50 periods	"	10	KVA 2.000 N2 " 1.500 "2 " 1.000 "2 " 800 "2 " 500 "2
Transformers as above 400 ÷ 100 KVA frequency 50 periods	"	30	KVA 400 N 5 " 200 " 10 " 100 " 15
Transformers as above 50 ÷ 20 KVA frequency 50 periods	"	20	KVA 50 N 10 " 20 " 10
Transformers as above, pole type, 100 ÷ 50 KVA - frequency 50 periods	"	40	KVA 100 N 20 " 50 " 20
Continous current self regulating monophase transformers (air cooled)			KVA 60 N 16 " 40 " 20

2 windings 12.000 KVA 120/10/KV with regulating unit - frequency 50 periods	"	1	
Three- phase 12 phase transformers (oil cooled) for rectifier cylinders 2850 KVA - 120/6x2x2,5 KV	"	20	
Trasformers as above 60/6x2x2,5 KV - frequency 50 periods	"	12	
Three - phase transformers(oil cooled) 2.000 ÷ KVA 10.000/260-150V- frequency 50 periods	"	10	KVA 2.000 N2 " 1.500 "2 " 1.000 "2 " 600 "2 " 500 "2
Transformers as above 400 ÷ 100 KVA frequency 50 periods	"	30	KVA 400 N 5 " 200 " 10 " 100 " 15
Transformers as above 50 ÷ 20 KVA frequency 50 periods	"	20	KVA 50 N 10 " 20 " 10
Transformers as above,pole type, 100 ÷ 50 KVA - frequency 50 periods	"	40	KVA 100 N 20 " 50 " 20
Continous current self regulating monophase transformers (air cooled) primary voltage 10 KV ÷ Secondary current 9,6 A - 60 ÷ 10 KVA - Frequency 50 periods	"	100	KVA 60 N 16 " 40 " 20 " 20 " 24 " 10 " 40
12 anodes rectifier cylinders for 670 A and 2.000 KV, to be supplied with all apparatuses accessories and spare parts	"	30	
Movable substations with rectifier cylinders between 2.000 KV and 3,4 KV and transformers for 120 - 60 KV primary voltage	"	8	

Declassified E.O. 12356 Section 3.3/NND No. 735021

0910

Declassified E.O. 12356 Section 3.3/NND No. 785021

REQUIREMENT OF BATTERIES FOR ACCUMULATORS FOR SUBSIDIARY SERVICES ON ELECTRIC LOCOMOTIVES WITH DIRECT CURRENT 300 VOLTS, FOR THE LIGHTING OF STEAM LOCOMOTIVES, THE OPERATION OF RAILWAY GAS MOTOR-CARS AND FOR TELEPHONES AND TELEGRAPH.

1.- Batteries for subsidiary services on electric locomotives with direct current and steam locomotives (type A) - Volts 12 Amp. h. 120 (see attached sketch) N. 7.000

2.- Batteries for telephones and telegraph (type B) Volts 4 Amp; h. 50 " 4.000
dimension of space occupied:
(height 10" 15/32
(base 6" 11/16 x 4" 5/8

3.- Batteries for railway gas motor-cars (littorine) in ebonite box - type 3y7 " 2.000
Volts 6 Amp.h.112 (Type C)
dimension of space occupied:
(height 8" 1/4
(base 10" 13/32 x 7" 9/32

4.- Batteries for railway gas motor-cars (littorine) in ebonite cases- contained in wooden boxes type 3y 14 " 1.000
Volt.6 Amp.h. 224 (type C)
dimension of space occupied:
(height 8" 1/4
(base 23" 5/8 x 10" 5/8

RECAPITULATION INDEX OF LIST N.4

Enclosure:

N.1	Steel in tubes	Tons.	1.600
" 2	Thin steel plates	"	100
" "	Thick " "	"	400
" "	Steel in plates for locomotive fire boxes	"	220
" 3	Special steel for tools	lbs.	15.540
" 4	Silicious-manganese steel for springs	Tons.	2.600
" 5	Electrodes for electric weldings	N.	600.000
" "	Swedish type iron roods for oxy-acetylene weldings	"	300.000
" "	Cast iron small bars for " " "	"	100.000
" 6	Extra soft steel in wire for " " "	Tons.	50
" 7	Steel screws for metal	"	15
" 8	" " " wood	"	30
" 9	Monckey wrenches	"	2.000
" "	Saw blades for metals	Dozens	2.000
" "	Blades for hand saw	"	6.000
" "	" " saw for rails	"	250
" "	Band saw blade	Feet	32.806
" 10	Twist drills	N.	200.000
" "	Flat round files, etc.	"	200.000
" "	Black steel netting	Tons.	10
" "	Galvanised steel netting	"	15
" 11	Copper in tubes	"	100
" 12	Aluminium in sheets	"	10
" "	Copper " "	"	50
" "	Zinc " "	"	5
" 13	Copper in ingots	"	1.300

Declassified E.O. 12356 Section 3.3/NND No. 785021

" 8 " " " wood	"	30
" 9 Monckey wrenches	"	2.000
" " Saw blades for steels	Dozens	2.000
" " Blades for hand saw	"	6.000
" " " " saw for rails	"	250
" " Band saw blade	Feet	32.806
" 10 Twist drills	M.	200.000
" " Flat round files, etc.	"	300.000
" " Black steel netting	Tons.	10
" " Galvanised steel netting	"	15
" 11 Copper in tubes	"	100
" 12 Aluminium in sheets	"	10
" " Copper " "	"	50
" " Zinc " "	"	5
" 13 Copper in ingots	"	1.300
" " White metal for anti-friction	"	30
" " Tin in ingots	"	150
" " Arsenic	"	0,5
" 14 Glass paper	"	30.000
" " Emery paper	"	30.000
" " Manganesite	Tons.	25
" 15 Steel in blooms	"	3.100
" 16 Cast iron in ingots	"	10.350
" 17 Steel girders (for bridges)	"	480

./.

Declassified E.O. 12356 Section 3.3/NND No. 735021

N.18	Cylinders for oxygen and acetylene	N. 1.000
" 19	Steel for axled wheels and hoops	Tons.1.300

Declassified E.O. 12356 Section 3.3/NND No. 785021

0914

Declassified E.O. 12356 Section 3.3/NND No. 785021

Enclosure N.
Pag. 1

STEEL IN UNWELDED PIPES

DIAMETER outside	DIAMETER inside		
inches	25/32	3/8	Tons 4
"	55/64	43/64	" 25
"	1. 7/64	15/16	" 3
"	1. 3/8	1. 9/16	" 6
"	1. 9/8	1. 7/64	" 11
"	1.49/64	1.37/64	" 245 *
"	1.31/32	1.49/64	" 340 *
"	2. 3/64	1.27/32	" 306 *
"	3.3/4	3.33/64	" 135 *
"	3.	2. 3/4	" 3
"	4. 1/4	3.15/16	" 3
"	4.49/64	4.29/64	" 3
"	5.15/64	4.59/64	" 117
"	1.49/64	63/64	" 5
"	1.31/32	1. 9/16	" 8
"	1.11/64	1. 3/8	" 10
"	2. 9/16	1. 9/16	" 5
"	2.61/64	1.37/64	" 6
"	33. 5/32	1.31/32	" 6
"	3.47/64	2.3/4	" 8
"	4.21/64	2. 9/16	" 10
"	2. 3/64	2. 1/4	" 100 *
"	5.	4.11/16	" 100 *

Declassified E.O. 12356 Section 3.3/NND No. 785021

	1.49/64	1.37/64	"	245 *
"	1.31/32	1.49/64	"	340 *
"	2. 3/64	1.27/32	"	306 *
"	2.3/4	2.33/64	"	135 *
"	3.	33. 3/4	"	3
"	4. 1/4	3.15/16	"	3
"	4.49/64	4.29/64	"	3
"	5.15/64	4.59/64	"	117
"	1.49/64	63/64	"	5
"	1.31/32	1. 3/16	"	9
"	1.11/64	1. 3/8	"	10
"	2. 9/16	1. 3/16	"	5
"	2.61/64	1.37/64	"	6
"	33. 3/32	1.31/32	"	6
"	3.47/64	2.3/4	"	6
"	4.21/64	3. 9/16	"	10
"	2. 3/64	2. 1/4	"	100 *
"	5.	4.11/16	"	100 *

STEEL IN PIPES FOR G.S

inches	1/4	"	4
"	3/8	"	3
"	1/2	"	8
"	3/4	"	5
"	1"	"	105

(se ue)

Declassified E.O. 12356 Section 3.3/NND No. 785021

STEEL IN PIPES FOR GAS

DIAMETER outside		inside	
inches	1. /4	Tons	6
"	1.1/2	"	3
"	6	"	4
"	2.1/4	"	3

AMOUNT.....Tons 1.600

The pipes must be between 14 and 30 ft long, excluded those marked by an asterisk that must be no less than 30 ft long.
The pipes marked by an asterisk will be used as flues for locomotives.
The other ones will be used as accessories for locomotives (as compressed air piping of brake, of sand boxes etc.), for the manifacture of tu ferrules and other user of workshops.

Declassified E.O. 12356 Section 3.3/NND No. 785021

AMOUNT.....Tons 1.600

The pipes must be between 14 and 20 ft long, excluded those marked by an esterisk that must be no less than 20 ft long.
The pipes marked by an asterisk will be used as flues for locomotives.
The other ones will be used as accessories for locomotives (as compressed air piping of brake, of sand boxes etc.), for the manifacture of tu ferrules and other user of workshops.

Declassified E.O. 12356 Section 3.3/NND No. 785021

Steel plates R. between 50,8 and 71,1 lbsx sq inch.

Thin plates			
		A = 18 / 19 %	
inch.	78. 3/4x 39 3/8X 1/64	Tons.	5
"	78. 3/4 X 39.3/8 X 3/64	"	10
"	98. 9/16 X 39.3/8 X 1/16	"	20
"	118. 1/8 X 47.1/4 X 5/64	"	25
"	118. 1/8 X 47.1/4 X 1/8	"	40
	Total	Tons.	100

Thick plates			
inch	110.5/16 X 59.1/16 X 5/32	Tons.	80
"	" " 13/64	"	100
"	" " 15/64	"	20
"	" " 9/32	"	20
"	" " 5/16	"	20
"	" " 25/64	"	100
"	200 X 45.5/14 X 25/64	"	60
	Total Total	Tons.	400

Plates for locomotives fire boxes			
inch.	61.1/32 X 61.1/32 X 25/32	N.	50
"	61.1/32 X 49.1/4 X 15/32	"	50

Declassified E.O. 12356 Section 3.3/NND No. 785021

		Total	Tons. 100

Thick plates

inch	118.5/16 X 59.1/16 X 5/32		Tons. 80
"	"	" 13/64	" 100
"	"	" 15/64	" 20
"	"	" 9/32	" 20
"	"	" 5/16	" 20
"	"	" 25/64	" 100
"	200 X 45.5/14 X 25/64		" 60
		Total Total	Tons. 400

Plates for locomotive fire boxes

inch.	61.1/32 X 61.1/32 X 25/32	Tons. 50
"	61.1/32 X 49.1/4 X 15/32	" 50
"	145.11/16X 53.5/32 X 15/32	" 50
"	145.11/16X 35.7/16 X 15/32	" 20
"	88.9/32 X 43.5/16 X 25/32	" 10
"	112.7/32 X 43.5/16 X 25/32	" 22
"	171.5/16 X 43.5/16 X 15/32	" 22350

Declassified E.O. 12356 Section 3.3/NND No. 785021

Encl. n.2

Inches	153. 2/16 x 43. 5/16 x 15/32	N.	32
"	171. 5/16 x 57. 3/32 x 15/32	"	12
"	98. 7/16 x 43. 5/16 x 25/32	"	15
"	102. 6/16 x 43. 5/16 x 25/32	"	6
"	98. 5/32 x 39. 1/2 x 15/32	"	6
"	78. 3/4 x 33. 1/2 x 25/32	"	6
"	102. 5/16 x 45. 5/16 x 15/32	"	6
"	82.11/16 x 36. 1/14 x 25/32	"	6
"	66. 15/16 x 54.11/32 x 15/32	"	6
"	84. 21/32 x 35. 7/16 x 25/32	"	6
"	198. 27/32 x 43. 5/16 x 15/32	"	6
"	187. 1/16 x 88. 9/32 x 15/32	"	17
"	68. 29/32 x 66.15/16 x 15/32	"	40
"	76. 25/32 x 66.15/16 x 25/32	"	40

Total weight of the requested plates for locomotive fire boxes Tons. 220 (approx.)

Said plates will be used for the construction of locomotive fire boxes. As information we point out the characteristics of the steel already used and produced by "Societa Acciaierie Ferriere Lombarde Falck" at Sesto S.Giovanni (Milano)

Mechanical characteristics:
Unitarian breaking load: lbs x sq. Inch. 45,472/56,896
Limit of the fatigue due to the traction: lbs.x sq.inch 28;448
Elongation: 24% on 10 diameters (concerning plates [illegible]
and 25/32)

Declassified E.O. 12356 Section 3.3/NND No. 785021

"	84. 21/32 x 33. 7/16 x 25/32	"	6
"	196. 27/32 x 43. 5/16 x 15/32	"	17
"	187. 1/16 x 88. 9/32 x 15/32	"	40
"	68. 29/32 x 66.15/16 x 15/32	"	40
"	76. 25/32 x 66.15/16 x 25/32		

Total weight of the requested plates for locomotive fire boxes Tons. 220 (approx.)

Said plates will be used for the construction of locomotive fire boxes. As information we mint out the charateristics of the steel already used and produced by "Societa Acciaierie Ferriere Lombarde Falck" at Sesto S.Giovanni (Milano)

Mechanical characteristics:
Unitarian breaking load: Lbs x sq. Inch. 45,472/56,836
Limit of the fatigue due to the traction: lbs.x sq.inch 28:448
Elongation: 24% on 10 diameters (concerning plates between 25/64 and 25/32")

Chemical Characteristics

Carbon between	0,06	and	0,10
Manganese "	0,25	"	0,60
Phosphoreus	0,040		
Sulphur	0,040		
Silicium	0,10		

3234

Declassified E.O. 12356 Section 3.3/NND No. 785021

Encl.n.3

Rapid steel for lathe fit for a speed of work per minute equal to feet:

118,11 on pieces with R. 71,120 at 85,344 Lbs. x Sq. inches
45,9 " " " " 113,612 "128,128 " " " "

---

round	of	inches	1. 17/64	Lbs. 900
"	"	"	1. 3/8	" 900
square	"	"	1. 3/16	" 900
"	"	"	1. 37/64	" 900
rectangular	of	"	63/64x9/32	" 900
"		" "	1. 3/16x25/32	" 900
"		" "	1. 31/32 x 1.3/16	" 900

Rapid steel for lathe (I.S.R. Type A.2.) fit for a speed of work for minute equal to feet:

35,144 on pieces with R. 71.120 at 85.344 lbs. x sq.inch.
39,370 " " " " 113,612 " 128,128 " " " "

Round	of	inches 25/64	Lbs. 220
"	"	" 19/32	" 440
"	"	" 25/32	" 440
"	"	" 1.3/14	" 660
"	"	" 3.5/32	" 660
"	"	" 3.15/16	" 660
square		25/64	" 440
"	"	" 25/32	" 440
"	"	" 1.308	" 440
rectangular		25/32 x 19/32	" 440
"	of	" 1. 3/16 x 19/32	" 660
"	"	" 1. 3/8 x 63/64	" 440
"			

Declassified E.O. 12356 Section 3.3/NND No. 785021

Rapid steel for lathe (I.S.R. Type R.R.) fit for a speed of work for minute equal to feet:

95,144 on pieces with R. 71.120 at 85.344 lbs. x sq.inch.
39,370 " " " " 118,512 " 130,128 " " " "

Round of inches	25/64	Lbs. 220
" " "	19/32	" 440
" " "	25/32	" 440
" " "	1.1/14	" 660
" " "	3.5/32	" 660
" " "	3.15/16	" 660
square	25/64	" 440
" " "	25/32	" 440
" " "	1.308	" 440
rectangular	25/32 x 19/32	" 440
" of "	1. 3/16 x 19/32	" 660
" " "	1. 5/8 x 63/64	" 440
"		

The above mentioned steel whereof we have no availability, will be used for the construction of lathe tools - to be used: the first ones for high speed works, the second ones for works for construction of parts of locomotives (atron steels) to be made at less speed.

3233

Declassified E.O. 12356 Section 3.3/NND No. 785021

Encl 3

Chrome Wolfram Steel fit for making chisels, puncheons, (not through heating) pneumatic tools, "bat eruole" shears.

round	of inches	25/32	Lbs.	1.100
"	" "	53/64	"	1.100
"	" "	1. 3/16	"	1.100
"	" "	1. 31/32	"	1.100

This steel will be used for the manufacture of the above mentioned work or other of the same kind.

- - - - - - - - - - -

Declassified E.O. 12356 Section 3.3/NND No. 785021

0926

Declassified E.O. 12356 Section 3.3/NND No. 785021

CONFIDENTIAL

Enclosure n.4

Silicious manganese laminated steel for cambered of semielliptical springs of I. .R. Railway cars.

Plain laminated rectangular in bars

Commercial lenght inches	3. 15/16 x 33/64	Tons.	5
"	4. 31/64 x 3/8	"	5
"	5. 29/32 x 19/32	"	5
"	3. 25/64 x 33/64	"	5
"	5. 1/8 x 19/32	"	5

Striped laminated rectangular in bars

Commercial lenght inches	2.61/64 x 25/64	"	5
"	2.61/64 x 33/64	"	5
"	3. 5/32 x 33/64	"	5
"	3.35/64 x 25/64	"	5
"	3.35/64 x 33/64	"	500
"	4.31/64 x 3/8	"	15
"	4.29/32 x 33/64	"	400
"	5. 1/8 x 25/64	"	40
"	5. 1/8 x 19/32		100

Plain laminated steel (rectangular) for manufacture of volute springs for cars:

inches	5.1/8 x 0,2355	lenght of bars	inches	88.9/32	tons.	100
"	5.1/8 x 0,3345	"	"	"	"	59.1/16	"	1.200
"	5.1/8 x 0,4135	"	"	"	"	81.1/8	"	300
"	5.3/4 x 0,394	"	"	"	"	64.3/16	"	100
				Total	Tons.			2.800

Declassified E.O. 12356 Section 3.3/NND No. 785021

Plain laminated rectangular bars in coils

Commercial lenght			
inches	2.61/64 x 25/64	"	5
"	2.61/64 x 33/64	"	5
"	3. 5/32 x 33/64	"	5
"	3.35/64 x 25/64	"	5
"	3.35/64 x 33/64	"	500
"	4.31/64 x 3/8	"	15
"	4.29/32 x 33/64	"	400
"	5. 1/8 x 25/64	"	40
"	5. 1/8 x 19/32		100

Plain laminated steel (rectangular) for manufacture of volute springs for cars:

inches	5.1/8 x 0,2955	lenght of bars	inches	58.9/32	tons.	100
"	5.1/8 x 0,3345	" " "	"	59.1/16	"	1.200
"	5.1/8 x 0,4135	" " "	"	81.1/8	"	300
"	5.3/4 x 0,394	" " "	"	64.3/16	"	100
		Total	Tons.			2.800

The bars can be supplied also in lenghts multiple of those hereby shown.

2221

Declassified E.O. 12356 Section 3.3/NND No. 785021

Encl. N. 5

Electrodes jacketed by electric arc:

Of the n.	12	diameter	inches	5/32	N. 75.000
" " "	10	"	"	1/8	" 150.000
" " "	6	"	"	5/32	" 250.000
" " "	6	"	"	13/64	" 75.000
" " "	4	"	"	5/64	" 25.000
" " "	2	"	"	1/16	" 25.000
			Total		N. 600.000

Iron rods, Swedish type, for oxy-acetilene welding

Diameter of inches	3/64	N. 100.000
" " "	5/64	" 100.000
" " "	1/8	" 100.000
	Total	N. 300.000

Small sicicious cast-iron bars for oxy-acetylene welding

Diameter of inches	25/64	N. 50.000
" " "	13/32	" 50.000
	Total	N. 100.000

Declassified E.O. 12356 Section 3.3/NND No. 785021

Iron rods, Swedish type, for oxy-acetylene welding

Diameter of inches	3/64	N. 100.000
" " "	5/64	" 100.000
" " "	1/8	" 100.000
	Total	N. 300.000

Small sicicious cast-iron bars for oxy-acetylene welding

Diameter of inches	25/64	N. 50.000
" " "	19/32	" 50.000
	Total	N. 100.000

Declassified E.O. 12356 Section 3.3/NND No. 735021

Enclosure 6

EXTRA SOFT STEEL IN COIL FOR OXY-ACETYLENE WELDING

Of the	diameter	of	inches	5/64	Tons.	1
"	"	"	"	1/8	"	8
"	"	"	"	5/32	"	4
"	"	"	"	13/64	"	10
"	"	"	"	15/64	"	12
"	"	"	"	9/32	"	10
"	"	"	"	5/16	"	10
TOTAL					Tons.	50

Declassified E.O. 12356 Section 3.3/NND No. 785021

0932

Declassified E.O. 12356 Section 3.3/NND No. 785021

TOTAL	(5)	2229

Declassified E.O. 12356 Section 3.3/NND No. 785021

Enclosure 7

STEEL SCREWS FOR METAL WITH WHITWORTH SCREWING

Hexagonal head		inches	1/4" x	19/32	N.	80.000
"	"	"	1/4" x	25/32	"	80.000
"	"	"	1/4" x	1.3/16	"	20.000
"	"	"	5/16" x	53/64	"	40.000
"	"	"	5/16" x	1.3/16	"	40.000
"	"	"	3/8 x	1.3/16	"	40.000
"	"	"	7/16" x	63/64	"	7.000
"	"	"	1/2 x	43/64	"	20.000
"	"	"	1/2" x	1.3/16	"	10.000
Cylindrical head bored						
		inches	1/4" x	53/64	N.	4.000
"	"	"	5/16" x	53/64	"	4.000
"	"	"	3/8" x	53/64	"	4.000
Unpotted head with cap						
		inches	5/16" x	29/32	N.	3.000
Round head		"	1/8" x	3/32	"	3.000
"	"	"	3/16 x	25/64	"	30.000
"	"	"	1/4" x	25/64	"	80.000
"	"	"	1/4" x	63/64	"	60.000
"	"	"	5/16" x	7/16	"	60.000
"	"	"	5/16" x	63/64	"	40.000
"	"	"	3/8" x	63/64	"	40.000
"	"	"	1/2" x	25/32	"	40.000
Flat unpotted head						
		inches	1/8" x	3/32	N.	20.000
"	"	"	3/16" x	21/32	"	20.000
"	"	"	3/16" x	25/32	"	30.000
"	"	"	3/16" x	63/64	"	30.000
"	"	"	1/4" x	25/32	"	30.000
"	"	"	1/4" x	63/64	"	30.000
"	"	"	5/16" x	53/64	"	30.000
"	"	"	3/8" x	5/8	"	30.000
"	"	"	7/16" x	43/64	"	30.000

Total equivalent to about 15 tons

Enclosure 8

Steel Screws for wood

Hexagonal head inches	9/32 x 1.3/16	N. 1.000
" " "	9/32 x 1.31/32	" 1.000
" " "	25/64 x 1.31/32	" 7.000
" " "	25/64 x 2.33/64	" 2.000
" " "	25/64 x 2.3/4	" 2.000
" " "	25/64 x 2.25/64	" 2.000
" " "	25/64 x 2.15/16	" 3.000
" " "	15/32 x 2.25/64	" 3.000
" " "	15/32 x 2.15/16	" 8.000
" " "	5/8 x 2.15/16	" 13.000
" " "	5/8 x 4.21/64	" 5.000
" " "	5/8 x 5.1/8	" 5.000
Square head "	5/16 x 1.37/64	" 1.000
" " "	5/16 x 1.49/64	" 1.000
" " "	5/16 x 1.31/32	" 2.000
" " "	5/16 x 2.29/64	" 5.000
" " "	5/16 x 2.3/4	" 5.000
" " "	25/64 x 2.29/64	" 4.000
" " "	25/64 x 2.3/4	" 4.000
" " "	15/32 x 2.25/64	" 2.000
" " "	15/32 x 2.15/16	" 5.000
" " "	15/32 x 4.21/64	" 10.000
" " "	25/64 x 2.15/16	" 10.000
" " "	25/64 x 5.1/8	" 1.000

Declassified E.O. 12356 Section 3.3/NND No. 785021

"	"	"	5/8 x 3.15/16	" 5.000
"	"	"	5/8 x 4.21/64	" 5.000
"	"	"	5/8 x 5.1/8	" 1.000
Square head		"	5/16 x 1.37/64	" 1.000
"	"	"	5/16 x 1.49/64	" 2.000
"	"	"	5/16 x 1.31/32	" 5.000
"	"	"	5/16 x 2.23/64	" 5.000
"	"	"	5/16 x 2.3/4	" 4.000
"	"	"	25/64 x 2.23/64	" 4.000
"	"	"	25/64 x 2.3/4	" 2.000
"	"	"	15/32 x 3.35/64	" 5.000
"	"	"	15/32 x 3.15/16	" 10.000
"	"	"	15/32 x 4.21/64	" 10.000
"	"	"	35/64 x 3.15/16	" 1.000
"	"	"	35/64 x 5.1/8	" 1.000
"	"	"	35/64 x 5.29/32	" 1.000
"	"	"	35/64 x 6.37/64	" 1.000
"	"	"	5/8 x 5.1/8	grosses 500
Flat unpotted head		inches	7/64 x 25/64	" 500
"	"	"	7/64 x 19/32	" 800
"	"	"	1/8 x 19/32	" 500
"	"	"	1/8 x 25/32	" 500
"	"	"	1/8 x 63/64	" 1.000
"	"	"	1/8 x 1.3/16	" 500
"	"	"	1/8 x 1.3/8	

3227

Declassified E.O. 12356 Section 3.3/NND No. 785021

Flat	unpotted	head	inches	1/8 x 1.37/64	grosses	500
"	"	"	"	9/64 x 63/64	"	500
"	"	"	"	9/64 x 1.3/16	"	1.000
"	"	"	"	5/32 x 25/32	"	1.000
"	"	"	"	5/32 x 63/64	"	1.000
"	"	"	"	5/32 x 1.3/16	"	1.000
"	"	"	"	5/32 x 1.3/8	"	1.000
"	"	"	"	5/32 x 1.37/64	"	2.000
"	"	"	"	5/32 x 1.49/64	"	1.000
"	"	"	"	5/32 x 1.31/32	"	1.000
"	"	"	"	11/64 x 19/32	"	1.000
"	"	"	"	11/64 x 25/32	"	800
"	"	"	"	11/64 x 63/64	"	500
"	"	"	"	11/64 x 1.3/16	"	500
"	"	"	"	11/64 x 1.3/8	"	500
"	"	"	"	11/64 x 1.37/64	"	500
"	"	"	"	11/64 x 1.49/64	"	500
"	"	"	"	11/64 x 1.31/32	"	800
"	"	"	"	13/64 x 25/32	"	500
"	"	"	"	13/64 x 63/64	"	800
"	"	"	"	13/64 x 1.3/16	"	500
"	"	"	"	13/64 x 1.3/8	"	500
"	"	"	"	13/64 x 1.37/64	"	500
"	"	"	"	13/64 x 1.49/64	"	500
"	"	"	"	13/64 x 1.31/32	"	500
"	"	"	"	13/64 x 2.23/64	"	500
"	"	"	"	15/64 x 63/64	"	500
"	"	"	"	15/64 x 1.3/8	"	500

Declassified E.O. 12356 Section 3.3/NND No. 785021

"	"	"	"	11/64 x 19/32	"	1.000
"	"	"	"	11/64 x 25/32	"	800
"	"	"	"	11/64 x 63/64	"	500
"	"	"	"	11/64 x 1.3/16	"	500
"	"	"	"	11/64 x 1.3/8	"	500
"	"	"	"	11/64 x 1.37/64	"	500
"	"	"	"	11/64 x 1.49/64	"	500
"	"	"	"	11/64 x 1.31/32	"	500
"	"	"	"	13/64 x 25/32	"	500
"	"	"	"	13/64 x 63/64	"	500
"	"	"	"	13/64 x 1.3/16	"	500
"	"	"	"	13/64 x 1.3/8	"	500
"	"	"	"	13/64 x 1.37/64	"	500
"	"	"	"	13/64 x 1.49/64	"	500
"	"	"	"	13/64 x 1.31/32	"	500
"	"	"	"	13/64 x 2.23/64	"	500
"	"	"	"	15/64 x 63/64	"	500
"	"	"	"	15/64 x 1.3/8	"	500
"	"	"	"	9/32 x 1.49/64	"	500
"	"	"	"	9/32 x 1.31/32	"	500
"	"	"	"	9/32 x 2.23/64	"	500
"	"	"	"	9/32 x 2.5/32	"	500
"	"	"	"	5/16 x 1.31/32	"	500

3226

Declassified E.O. 12356 Section 3.3/NND No. 785021

Flat unpotted head inches	5/16 x 2.23/64	grosses	500
" " " "	5/16 x 3.5/32	"	500
" " " "	5/16 x 3.15/16	"	500
" " " "	5/16 x 5.1/8	"	500
" " " "	25/64 x 1.21/32	"	500
" " " "	25/64 x 2.3/4	"	300
" " " "	25/64 x 3.35/64	"	300
" " " "	15/64 x 3.15/16	"	300
" " " "	15/64 x 5.1/8	"	300
Unpotted head with cap	7/64 x 25/64	"	700
" " " "	7/64 x 25/32	"	500
" " " "	9/64 x 63/64	"	500
" " " "	9/64 x 1.3/16	"	400
" " " "	9/64 x 1.3/8	"	500
" " " "	5/32 x 19/32	"	500
" " " "	5/32 x 25/32	"	800
" " " "	5/32 x 63/64	"	500
" " " "	5/32 x 1.3/16	"	500
" " " "	5/32 x 1.3/8	"	500
" " " "	5/32 x 1.37/64	"	500
" " " "	5/32 x 1.49/64	"	500
" " " "	5/32 x 1.31/32	"	500
" " " "	11/64 x 63/64	"	500
" " " "	11/64 x 1.3/8	"	500
" " " "	13/64 x 1.37/64	"	200
" " " "	13/64 x 1.31/32	"	300

Declassified E.O. 12356 Section 3.3/NND No. 785021

"	"	"	"	7/64 x 25/32	"	500
"	"	"	"	9/64 x 63/64	"	500
"	"	"	"	9/64 x 1.3/16	"	400
"	"	"	"	9/64 x 1.3/8	"	500
"	"	"	"	5/32 x 19/32	"	500
"	"	"	"	5/32 x 25/32	"	500
"	"	"	"	5/32 x 63/64	"	500
"	"	"	"	5/32 x 1.3/16	"	500
"	"	"	"	5/32 x 1.3/8	"	500
"	"	"	"	5/32 x 1.37/64	"	500
"	"	"	"	5/32 x 1.49/64	"	500
"	"	"	"	5/32 x 1.31/32	"	500
"	"	"	"	11/64 x 63/64	"	500
"	"	"	"	11/64 x 1.3/8	"	500
"	"	"	"	13/64 x 1.37/64	"	200
"	"	"	"	13/64 x 1.31/32	"	200
"	"	"	"	15/64 x 25/32	"	200
"	"	"	"	15/64 x 1.37/64	"	200
"	"	"	"	15/64 x 1.31/32	"	300
"	"	"	"	9/32 x 63/64	"	300
"	"	"	"	9/32 x 1.3/8	"	200
				Total equivalent to Tons		90

3225

Declassified E.O. 12356 Section 3.3/NND No. 785021

Declassified E.O. 12356 Section 3.3/NND No. 785021

Enclosure 9

MONKEY WRENCHES (UPRIGHT JAWS)

About inches 10" long		N.	1.000
" " 14" "		"	1.000

BLADES FOR METAL SAWS

FOR MACHINES

About inches 14" long	Dozen.	N.	1.000
" " 16" "	"	"	1.000

(10 teeth for inch)

BY HAND

About inches 12" long	"	N.	2.000
" " 14" "	"	"	2.000
" " 15" "	"	"	2.000

HAIL-SAWS inches 13.63/64 x 1.13/16 x 19/32 dozers N. 250

BAND BLADES FOR WOOD

Width inches	25"/32	Feet	3.280
" "	1".3/16	"	16.400
" "	1".37/64	"	9.850
" "	1".31/32	"	3.280

Declassified E.O. 12356 Section 3.3/NND No. 785021

TWIST DRILLS WITH PARALLEL SHANK
(every inch 0,0195)

diameter inches	3/64 to 1/8	N. 40.000
" "	5/32 " 5/16	" 30.000
" "	23/64 "19/32	" 40.000

TWIST DRILLS WITH MORSE TAPER SHANK
(every inch 0,039)

diameter inches	7/16 to 25/32	N. 15.000
" "	53/64 " 1.17/64	" 7.500
" "	1.19/64 " 2.33/64	" 7.500
	Total	N. 200.000

FLAT PARALLEL FILES

Smooth edge	inches 4"	N. 2.000
" "	" 8"	" 3.000
" "	" 12"	" 3.000
" "	" 16"	" 2.000
End cut	inches 6"	" 3.000
" "	" 8"	" 5.000
" "	" 12"	" 8.000
" "	" 16"	" 4.000
Bastard edge	inches 6"	" 3.000
" "	" 8"	" 5.000
" "	" 12"	" 7.000
" "	" 16"	" 5.000
	Total	N. 50.000

HALF ROUND FILES

Fine edge	inches 6"	N. 2.000
" "	" 10"	" 4.000
" "	" 14"	" 4.000
Half fine edge	" 6"	" 4.000
" " "	" 10"	" 8.000
" " "	" 14"	" 8.000
Bastard edge	inches 8"	" 4.000
" "	" 12"	" 8.000
" "	" 16"	" 8.000
	Total	N. 50.000

3223

0942

Declassified E.O. 12356 Section 3.3/NND No. 785021

SQUARE FILES

Fine edge	inches	6"	N. 1.000
" "	"	10"	" 3.000
" "	"	14"	" 3.000
Half fine edge	"	10"	" 4.000
" " "	"	14"	" 6.000
Bastard edge	"	12"	" 4.000
" "	"	16"	" 8.000
			Total N. 30.000

THREE-CORNER FILES

Fine edge	inches	4"	N. 3.000
" "	"	6"	" 4.000
" "	"	10"	" 7.000
" "	"	14"	" 6.000
Half fine edge	inches	6"	" 2.000
" " "	"	8"	" 2.000
" " "	"	10"	" 3.000
" " "	"	12"	" 5.000
" " "	"	14"	" 6.000
" " "	"	16"	" 7.000
Bastard edge	inches	8"	" 7.000
" "	"	12"	" 8.000
" "	"	16"	" 10.000
			Total N. 70.000

Total files.....N. 200.000

2222

0943

Declassified E.O. 12356 Section 3.3/NND No. 785021

Black steel netting with thread inches 0,0079 - with 25 holes on a length of 1" (couplings)	Tons	10
Varnished galvanized steel netting as a screen against mosquitos, with thread of inches 0,0197- square meshes- 43-47 holes per liner 25/64"	"	15

Enclosure 11

Copper in unwelded tubes

Inches	5/16 x 13/64	Tons. 2
"	26/64 x 5/16	" 5
"	15/32 x 23/64	" 5
"	19/33 x 15/32	" 1
"	25/32 x 43/64	" 1
"	55/64 x 3/4	" 2
"	1.3/8 x 1.7/64	" 2
"	1/11/16 x 1.19/64	" 10
"	1.57/64 x 1.1/2	" 28
"	1.31/32 x 1.37/64	" 30
"	1.31/32 x 1.49/64	" 2
"	2.11/64 x 1.31/32	" 2
"	2.31/64 x 2.3/32	" 2
"	2.43/64 x 2.9/32	" 8

TOTAL Tons. 100

Declassified E.O. 12356 Section 3.3/NND No. 785021

"	1.31/32 x 1.37/64	"	30
"	1.31/32 x 1.49/64	"	3
"	2.11/64 x 1.31/32	"	2
"	2.31/64 x 2.3/32	"	2
"	2.49/64 x 2.9/32	"	8
		TOTAL	Tons. 100

Declassified E.O. 12356 Section 3.3/NND No. 785021

Enclosure 12

ALUMINIUM IN SHEETS

inches	78.3/4 x 39.3/8 x 1/64	Tons. 0,5
"	78.3/4 x 39.3/8 x 3/32	" 1,5
"	78.3/4 x 39.3/8 x 1/16	" 2
"	78.3/4 x 39.3/8 x 3/64	" 3
"	78.3/4 x 39.3/8 x 5/32	" 3
	TOTAL	Tons. 10

ARSENICUS COPPER FOR LOCO FIRE-BOXES

inches	216.9/16 x 82.11/16 x 5/8	N. 5
"	216/9/16 x 86.5/8 x 5/8	" 5
"	216.9/16 x 94.1/2 x 5/8	" 5
"	196.7/8 x 51.5/16 x 5/8	" 2
"	196.7/8 x 59.1/16 x 5/8	" 2
"	216.9/16 x 74.13/16 x 5/8	" 2
"	216.9/16 x 75.3/4 x 5/8	" 2
"	216/9/16 x 90.9/16 x 5/8	" 3
"	216.9/16 x 100.13/32 x 5/8	" 3
"	216.9/16 x 108.9/32 x 5/8	" 2
	TOTAL	N. 31

(Total weight about Tons. 50)

Declassified E.O. 12356 Section 3.3/NND No. 785021

ASBESTICOS COTTER FOR YOKE

FIRE-BOXES

inches	216.9/16 x 82.11/16 x 5/8	N. 5
"	216/9/16 x 86.5/8 x 5/8	" 5
"	216.9/16 x 94.1/2 x 5/8	" 5
"	196.7/8 x 51.3/16 x 5/8	" 2
"	196.7/8 x 59.1/16 x 5/8	" 2
"	216.9/16 x 74.13/16 x 5/8	" 2
"	216.9/16 x 75.3/4 x 5/8	" 2
"	216/9/16 x 90.9/16 x 5/8	" 3
"	216.9/16 x 100.13/32 x 5/8	" 3
"	216.9/16 x 108.9/32 x 5/8	" 2
	TOTAL	N. 31

(Total weight about Tons. 50)

9249

ZINC IN SHEETS :

inches	78.3/4 x 36.3/8 x 0,3283	Tons. 1
"	" " x 0,3598	" 0,5
"	" " x 0,3228	" 1
"	" " x 0,3740	" 1
"	" " x 0,7717	" 1,5
	TOTAL	Tons. 5

Declassified E.O. 12356 Section 3.3/NND No. 785021

Encl. 13

(1)	Antifriction white metal	Tons.	30
(2)	Copper in ingots	"	100
(3)	Native tin in ingots	"	50
(4)	Arsenic in metal or alloy rich in As for copper materials for loco. fire boxes	"	5

(1) It is used for the manufacture of bearings for rolling stock (locomotives and vehicles). The type used is composed as follows: 15% Sn, 14% Sb, 1,5% Cu, 69,5 Pb

(2) It is used for the manufacture of alligations (copper and bronze tin and brass) for vehicles (welding alligations) etc; for draw plates for conductors of electric lines, and for the construction of tube plates for locomotives etc.

(3) For the manufacture of alligations (as above) and for the tinning of wires and plates.

(4) The copper materials for locomotive fire boxes contain sundry percentages of As. to make the metal more resisting to the action of fire. The percentage is between 0,15 and no more than 0,35 for the bar for the tie-bands jointing the fire box with the fire box support; and between 0,25 and no more than 0,50 for the sheets.

Declassified E.O. 12356 Section 3.3/NND No. 735021

(1) It is used for the manufacture of bearings for rolling stock (locomotives and vehicles). The type used is composed as follows: 15% Sn, 14% Sb, 1,5% Cu, 69,5 Pb

(2) It is used for the manufacture of alligations (copper and bronze tin and brass) for vehicles (welding alligations) etc; for draw plates for conductors of electric lines, and for the construction of tube plates for locomotives etc.

(3) For the manufacture of alligations (as above) and for the tinning of wires and plates.

(4) The copper materials for locomotive fire boxes contain sundry percentages of As. to make the metal more resisting to the action of fire. The percentage is between 0,15 and no more than 0,35 for the bar for the tie-bands jointing the fire box with the fire box support; and between 0,25 and no more than 0,50 for the sheets.

Declassified E.O. 12356 Section 3.3/NND No. 785021

Encl. N.14

Class and emery paper of the n.	0	sheets n.	5.000
" " " " " " "	00	" "	4.000
" " " " " " "	000	" "	3.500
" " " " " " "	1	" "	2.500
" " " " " " "	2	" "	4.500
" " " " " " "	3	" "	7.000
" " " " " " "	4	" "	3.000
			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
	Total		n. 30.000

Manganesite Tons. 25

Declassified E.O. 12356 Section 3.3/NND No. 735021

Emery cloth	" "	"	5.000
"	"	"	4.000
"	"	"	3.500
"	"	"	2.500
"	"	"	4.500
"	"	"	7.000
"	"	"	3.500
		Total	n. 30.000

Manganesite Tons. 25

3217

Declassified E.O. 12356 Section 3.3/NND No. 735021

Steel in blooms to be forged - Breaking load - lbs. x sq.inches between 59,803 and 71,120

Elongation 24%

Unitarian load of minimum fatigue lbs.x sq inch. 32/316

Square	inches	3.15/16	Tons.	50
"	"	4.25/32	"	40
"	"	5.29/32	"	20
"	"	6.11/16	"	20
"	"	7.31/64	"	20
"	"	9.29/64	"	20
"	"	11.13/16	"	30
		Total Tons.		200

Steel in blooms to be forged - Breaking load - lbs. x sq.inches between 85,344 and 99,569

Elongation 15%

Unitarian load of minimum fatigue lbs. x sq inch. 42,672

Square	inches	4.25/32	Tons.	50
"	"	5.29/32	"	50
"	"	6.11/16	"	50
"	"	7. 7/8	"	50
"	"	11.13/16	"	50
"	"	15. 3/4	"	50

Declassified E.O. 12356 Section 3.3/NND No. 785021

"	"	11.13/16	"	30
			Total Tons.	200

Steel in blooms to be forged - Breaking load - lbs. x sq.inches between 95,344 and 99,568

Elongation 15%

Unitarian load of minimum fatigue lbs. x sq inch. 42,672

Square	inches	4.25/32	Tons.	50
"	"	5.29/32	"	50
"	"	8.11/16	"	50
"	"	7. 7/8	"	50
"	"	11.13/16	"	50
"	"	15. 3/4	"	50
			Total Tons.	300

9246

Declassified E.O. 12356 Section 3.3/NND No. 785021

Enclosure n.15 Pag.1

Steel in blooms - Breaking load = 52,640 Lbs. x sq. inch.

Square	inches	3. 3/4	Tons.	100
"	"	3. 5/32	"	100
"	"	3.35/64	"	100
"	"	3.15/16	"	250
"	"	4.29/32	"	250
"	"	5.29/32	"	250
"	"	7. 7/8	"	250
"	"	9.27/32	"	100
"	"	11.13/16	"	100
"	"	15. 3/4	"	100
Rectangular				
	inches	5.29/32 x 3.15/16	"	200
	"	7. 7/8 x 3.15/16	"	200
	"	9.27/32x5.29/32	"	200
	"	11.13/16x5.29/32	"	100
	"	11.13/16x7. 7/8	"	100
	"	15. 3/4 x 7. 7/8	"	100
	"	17. 3/4 x 11.15/16	"	100
		Total	Tons.	2.600

Declassified E.O. 12356 Section 3.3/NND No. 785021

"	"	7. 7/8	"	250
"	"	9.27/32	"	100
"	"	11.13/16	"	100
"	"	15. 3/4	"	100

Rectangular

	inches	5.29/32 x 3.15/16	" 200
	"	7. 7/8 x 3.15/16	" 200
	"	9.27/32x5.29/32	" 200
	"	11.13/16x5.29/32	" 100
	"	11.13/16x7. 7/8	" 100
	"	15. 3/4 x 7. 7/8	" 100
	"	17. 3/4 x 11.13/16	" 100
		Total	Tons. 2.500

9245

Declassified E.O. 12356 Section 3.3/NND No. 785021

Encl. B.16

Cast iron in ingots for sundry parts of locomotives, vehicles and various equipment:

Tons. 10.350

Declassified E.O. 12356 Section 3.3/NND No. 785021

0 9 5 7

Declassified E.O. 12356 Section 3.3/NND No. 785021

3 2 1

Enclosure n.17

Steel girders for temporary bridges on damaged lines to be re-operated

inches 24 x 7.1/2 x 95 lbs.	46 ft.lenght - pieces 100 200 tons. approximately
inches 22 x 7 x 75 lbs.	40 ft lenght - pieces 100 125 tons. approx.
inches 18 x 7 x 75 lbs.	30 ft. lenght - pieces 100 100 tons. approx.
inches 12 x 6 x 54 lbs.	18 ft lenght - pieces 100 45 tons. approx.

- - - - - - -

Declassified E.O. 12356 Section 3.3/NND No. 735021

inches 16 x 7 x 75 lbs. 30 ft. lenght - pieces 100
100 tons. approx.

inches 12 x 6 x 54 lbs. 18 ft lenght - pieces 100
45 tons. approx.

- - - - - - - -

Declassified E.O. 12356 Section 3.3/NND No. 785021

Enclosure n.18

Oxygen cylinders
Geometric capacity U.S. gallons 11.284/13.204 N. 500

Acetylene cilinders
geometric capacity U.S. gallons 8.713/13.204 " 500

Such cylinders have to be supplied with all their accessories (reducing and closing valves)

Declassified E.O. 12356 Section 3.3/NND No. 785021

0961

Declassified E.O. 12356 Section 3.3/NND No. 785021

Enclosure n. 19

Half hard steel for the manufacture of hoops and wheeled axles of locomotives, having the following characteristics:

For wheeled axles: breaking load between 78.120 and 85.344 lbs x sq inch.

Elongation: 18% on long small bars
25% " short " "

Sulphur - 0,05 - phosphorus 0,05 - S + P - 0.09

For hoops: Breaking load between 106.736 and 120.648 lbs x sq. inch

Elongation 14-11 % on short small bars

Sulphur - 0.04 phosphorous - 0.04 - S - P - 0.07

- - - - - - - - - - - - - -

Steel for manufacturing wheeles axles Tons. 700
" " " hoops " 600

Declassified E.O. 12356 Section 3.3/NND No. 785021

Sulphur - 0,05 - phosphorus 0,03 - S + F - 0.09

For hoops: Breaking load between 106.736 and 120.848
lbs x sq. inch

Elongation 14-11 % on short small bars

Sulphur - 0.04 phosphorous - 0.04 - S - F - 0.07

- - - - - - - - - - - - -

Steel for	manufacturing	wheeles axles	Tons. 700
"	"	" hoops	" 500

3211

Declassified E.O. 12356 Section 3.3/NND No. 785021

5th List

MATERIALS AND MECHANISMS OF FOREIGN PRODUCTION FOR OPERATION OF TRACKS, SIGNALLING, LIGHTING, POWER AND TELEGRAPH.

MATERIALS	QUANTITY	REMARKS
A) - RAW MATERIALS		
- Insulating oil for electric cables	Tons 120	
- Impressing powders for insulating electric materials (Bakelite and thelike)	" 20	
B) - SEMI-WORKED MATERIALS		
- Insulating paper for cables	" 50	
- Galvanized iron wise ⌀ 0,11811" for telegraph	" 500	
- Small thin silicious iron plates for constructing nuclei for electromagnet	" 6	For telephones and telegraphs, thickness: 0,01377" - loss 1,3 watt" for 2 ounces - 1 weber per 0,03937" square
C) - FINISHED PRODUCTS		
Telephonic cable fitted with 7 pair of conductors - 0,05906 in diameter - isolated in impregnated paper	Miles 89	
Telephonic cables, in impregnated paper, wrapped in tarred canvas - 0,03937 in diameter:		
a) 3 pairs	" 4	
b) 7 "	" 5	
c) 12 "	" 15	
d) 19 "	" 14	
e) 24 "	" 11	
f) 30 "	" 7	
Telephonic cables, in impregnated paper fitted with a special lead protection over the wrapping, conductor diameter: 0,03937":		

Declassified E.O. 12356 Section 3.3/NND No. 795021

- Galvanized iron wise ∅ 0,11811" for telegraph	" 800	
- Small thin silicious iron plates for constructing nuclei for electromagnet	" 6	For telephones and telegraphs, thickness: 0,01377" - loss 1,3 watt" for 2 ounces - 1 Weber per 0,03937" square
C) - FINISHED PRODUCTS		
Telephonic cable fitted with 7 pair of conductors - 0,05906 in diameter - isolated in impregnated paper	miles 80	
Telephonic cables, in impregnated paper, wrapped in tarred canvas - 0,03937 in diameter:		
a) 3 pairs	" 4	
b) 7 "	" 5	
c) 12 "	" 15	
d) 19 "	" 14	
e) 24 "	" 11	
f) 30 "	" 7	
Telephonic cables, in impregnated paper fitted with a special lead protection over the wrapping, conductor diameter: 0,03937":		
a) 3 pairs	" 19	
b) 7 "	" 22	
c) 12 "	" 77	
d) 19 "	" 60	
e) 24 "	" 34	
f) 30 "	" 26	

3240

Declassified E.O. 12356 Section 3.3/NND No. 785021

MATERIALS	QUANTITY	REMARKS
Telegra-phonic cables with double insulation and special protection:		
- 20 pairs aggregately		
3 double pairs, diameter: 0,05118"	miles 3	
14 pairs " 0,05906"		
- 22 pairs aggregately		
4 double-pairs, diameter: 0,05118"	" 4	
14 pairs " 0,05906"		
- 23 pairs aggregately		
3 double-pairs, diameter: 0,05118"		
3 pairs " 0,05118"	" 24	
14 pairs " 0,05906"		
- 27 pairs aggregately		
4 double-pairs, diameter: 0,05118"		
5 pairs " 0,05118"	" 18	
14 " " 0,05906"		
- 28 pairs aggregately		
6 double-pairs, diameter: 0,05118"		
16 " " " 0,05906"	" 7	
- 29 pairs aggregately		
4 double-pairs, diameter: 0,05118"		
5 pairs " 0,05118"	" 16	
16 " " 0,05906"		
- 39 pairs aggregately		
10 double-pairs, diameter: 0,05118"		
19 pairs " 0,05906"	" 2	
- Small cable (military type), a one pair item, with accessories for gripping and coupling, for semipermanente connections, section 0,14173" square	" 94	
- Insulating conductor (military type) for temporary telephonic connections, 0,04575" in diameter	" 250	

Declassified E.O. 12356 Section 3.3/NND No. 735021

	8 double-pairs, diameter: 0,05118"			
	3 pairs " 0,05118"	"	24	
	14 pairs " 0,05906"			
-	27 pairs aggregately			
	4 double-pairs, diameter: 0,05118"			
	5 pairs " 0,05118"	"	18	
	14 " " 0,05906"			
-	28 pairs aggregately			
	6 double-pairs, diameter: 0,05118"			
	16 " " " 0,05906"	"	7	
-	29 pairs aggregately			
	4 double-pairs, diameter: 0,05118"			
	5 pairs " 0,05118"	"	16	
	16 " " 0,05906"			
-	39 pairs aggregately			
	10 double-pairs, diameter: 0,05118"			
	19 pairs " 0,05906"	"	2	
-	Small cable (military type), a one pair item, with accessories for gripping and coupling, for semipermanente connections, section 0,14173" square	"	94	
-	Insulating conductor (military type) for temporary telephonic connections, 0,01575" in diameter	"	750	
-	Small bipolar cable, with metallic cover, for internal lighting installations, 0,07874 square	"	31	
-	Cable with lead cover for lighting, with special protection, for 500 w exercise tension:			
	a) unipolar 0,015748 square section	"	8	
	b) bipolar 0,15748 " "	"	19	
	c) " 0,23622 " "	"	38	
	d) tripolar 0,23622 " "	"	19	
	e) " 0,15748 " "	"	13	

3205

Declassified E.O. 12356 Section 3.3/NND No. 785021

MATERIALS	QUANTITY	REMARKS
Insulators for telegraph	100.000	as per drawing annexed (Encl.n. I)
MATERIALS FOR FIXED ELECTRIC LIGHTING INSTALLATION AND FOR CHARGING OF ACCUMULATORS		
Switches, deviators current catchers, spindles etc. for internal installations	6.250	(Encl.L) 500 pieces according to drawing L1 500 " " " L2 500 " " " L3 1000 " " " L4 1000 " " " L5 1500 " " " L6 1250 " " " L7
Edison Lampholders for outside	15.000	10.000 See encl.I and drawing n.I2
Common Edison Lampholders	5.000	3.000 See encl.K and drawing K1
D2 with a base	1.300	2.000 See encl.K and drawing K2
Low tension lines insulators	25.000	10.000 See encl.K and drawing K3
MATERIALS FOR SUBSTATIONS AND ELECTRIC TRACTION LINES		
Cap and pivot insulators for high tension conductors and contact conductors	60.000	See annexed drawing N
Suspension insulators for contact conductors and for feeders	3.000	See annexed drawing P N. 2500 I 489 as per drawing P1 2500 I 489a " P2
VARIOUS INSULATORS FOR ELECTRIC		

Declassified E.O. 12356 Section 3.3/NND No. 785021

		500 " "	L3
		1000 " "	L4
		1000 " "	L5
		1500 " "	L6
		1950 " "	L7
Edison Lampholders for outside	15.000	10.000	See encl.I and drawing n. I2
Common Edison Lampholders	5.000	5.000	See encl.K and drawing K1
Dª with a base	1.200	2.000	See encl.K and drawing K2
Low tension lines insulators	25.000	10.000	See encl.K and drawing K3
MATERIALS FOR SUBSTATIONS AND ELECTRIC TRACTION LINES			
Cap and pivot insulators for high tension conductors and contact conductors	60.000		See annexed drawing N
Suspension insulators for contact conductors and for feeders	5.000		See annexed drawing P
		N. 2500 I 489	as per drawing P1
		2500 I 489a	" P2
VARIOUS INSULATORS FOR ELECTRIC TRACTION ENGINES			
Bakelite cardboard	Lbs 3.350		
Electro-thermic insulating mixture for electric preparations	" 6.700		
Incombustible insulating mixture for aplication by the electric arc	" 4.500		
Sterling tape	yards55.000		
Sterling pipe	lbs 6.700		
Mica in sheets	" 2.250		
Asbestos for fittings	" 4.500		
Asbestos in rope simply twisted of the following diameter:			
0,15748"	" 1.150		
0,23622"	" 1.150		
0,39370"	" 800		

3238

Declassified E.O. 12356 Section 3.3/NND No. 785021

MATERIALS	QUANTITY	REMARKS
Asbestos in rope covered with graphite, square section, having the following diameter:		
0,23622	Lbs 1.800	
0,29370	" 2.200	
0,35035	" 3.500	
Asbestos in rope covered with graphite, square section, having the following diameter:		
0,78740	" 3.350	
0,68435	" 1.300	
1,18710	" 900	
Asbestos in sheets of the following thickness		
0,01969	" 250	
0,03937	" 1.150	
0,07874	" 3.800	
0,11811	" 5.500	
0,15748	" 8.000	
0,19685	" 2.100	
0,23622	" 1.150	
0,27559	" .900	
Pounted matter cardboard 0,05906 thick	" 25.000	
white adhesive gummed tape	yards 85.000	
black " " "	" 75.000	
Aluminium - steel rope of twenty-six 0,12036 inch aluminium threads and seven 0,09396 inch galvanised steel threads (0,76296 total diameter) Pieces of about miles: 0,621-feet 656	tons 200	For A.T. electric lines (primary)
Moulded electrolytic copper wire, 0,4675 inch in diameter. Resistence: 0,176 Ohm. Loading of breakage lbs. X sq. inch: 54,096/ 59,808. Pieces of about miles 0,621+		

3207

Declassified E.O. 12356 Section 3.3/NND No. 785021

0,78140	"	1.300	
0,98125	"	800	
1,18110			
Asbestos in sheets of the following thickness			
0,01969	"	250	
0,03937	"	1.150	
0,07874	"	3.800	
0,11811	"	5.300	
0,15748	"	8.000	
0,19685	"	2.100	
0,23622	"	1.150	
0,27559	"	[illegible].900	
Pounted matter cardboard 0,05906 thick	"	20.000	
white adhesive gummed tape	yards	85.000	
black " " "	"	75.000	
Aluminium - steel rope of twenty-six 0,12036 inch aluminium threads and seven 0,09806 inch galvanised steel threads (0,76296 total diameter) Pieces of about miles: 0,621+feet 650	tons	200	For A.T. electric lines (primary)
Moulded electrolytic copper wire, 0,4675 inch in diameter. Resistence: 0,178 Ohm. Loading of breakage lbs. X sq. inch: 54,066/ 59,808. Pieces of about miles 0,621+ feet 650.	tons	200	See annexed drawing R for contact lines
Electrolytic copper rope of 19 threads 0,1105 inch each (0,651 total diameter) resistence: 0,178 ohm. loading of breakage lbs. X sq. inches: 54,066/ 59,808. Minimum lengthening: 1%. Pieces of about miles 0,621 + feet 650	"	100	

Declassified E.O. 12356 Section 3.3/NND No. 785021

MATERIALS	QUANTITY	REMARKS
Phosphourous bronze wire 0,118 inch. in diameter, having electric resistence not above 1,91 microohm at 15°C temperature. Minimum breakage loading: libs. X sq. inch: 71,130 maximum lengthening 1,3% on tester of 11,811 inch. Seven bendings on a radius of 0,197 inch.	tons 500	For telephonic lines
Assorted malleable cast-iron connections for gas and water pipes	" 23	See detail

Declassified E.O. 12356 Section 3.3/NND No. 785021

Assorted malleable cast-iron connections for gas and water pipes	"	25	See detail

Declassified E.O. 12356 Section 3.3/NND No. 785021

ASSORTED MALLEABL[E] CAST-IRON CONNECTIONS [FOR] GAS AND WATER PIPES

Detail

ITEMS		N.r	REMARKS
(Curves at 90°) male and female	1/4"	250	
" " " " "	3/8"	1.000	
" " " " "	1/2"	1.000	Weight approx Tons. 2.6
" " " " "	3/4"	1.000	
" " " " "	1"	1.000	
" " " " "	1" 1/4	1.000	
" " " " "	1" 1/2	500	
" " " " "	2"	400	
" " " " "	2" 1/2	300	
" " " " "	3"	350	
" " " " "	3" 1/2	200	
" " " " "	4"	200	
As above two female	1/4"	100	
" " "	3/8"	250	
" " "	1/2"	300	
" " "	3/4"	300	
" " "	1"	300	
" " "	1" 1/4	250	Tons. 8.16
" " "	1" 1/2	250	
" " "	2"	150	
" " "	2" 1/2	150	
(Curves at 90°) two female	3"	100	

Declassified E.O. 12356 Section 3.3/NND No. 783021

"	"	"	"	"	3/4"	1.000
"	"	"	"	"	1"	1.000
"	"	"	"	"	1" 1/4	1.000
"	"	"	"	"	1" 1/2	500
"	"	"	"	"	2"	400
"	"	"	"	"	2" 1/2	300
"	"	"	"	"	3"	350
"	"	"	"	"	3" 1/2	200
"	"	"	"	"	4"	200
As above two female					1/4"	100
"	"	"			3/8"	250
"	"	"			1/2"	300
"	"	"			3/4"	300
"	"	"			1"	300
"	"	"			1" 1/4	250
"	"	"			1" 1/2	350
"	"	"			2"	150
"	"	"			2" 1/2	150
(Curves at 90°) two female					3"	100
"	"	"	"		3" 1/2	100
"	"	"	"		4"	100
Curves at 45° male and female					1/4"	100
"	"	"	"	"	3/8"	200
"	"	"	"	"	1/2"	250
"	"	"	"	"	3/4"	250
"	"	"	"	"	1"	300

Tons. P.16

3295

Declassified E.O. 12356 Section 3.3/NND No. 785021

Curves at 45° male and female	1" 1/4	300	
" " " " " "	1" 1/2	250	Tons.0.16
" " " " " "	2"	200	
" " " " " "	2" 1/2	150	
" " " " " "	3"	150	
" " " " " "	3" 1/2	100	
" " " " " "	4"	100	
Elbows at 90°	1/4"	200	
" " "	3/8"	300	
" " "	1/2"	500	
" " "	3/4"	750	
" " "	1"	1000	
" " "	1" 1/4	750	Tons. 1
" " "	1" 1/2	500	
" " "	2"	300	
" " "	2" 1/2	200	
" " "	3	100	
" " "	3" 1/2	100	
" " "	4"	100	
As above reducing	3/8"at 1/4	100	
" " "	1/2" at 3/8	100	
" " "	3/4" at 1/2"	200	
" " "	1" at 3/4"	300	
" " "	1" 1/4 at 1"	300	Tons. 0.7
" " "	1" 1/2 at 1" 1/4	200	
" " "	2" at 1" 1/2	100	
" " "	2" 1/2 at 2"	100	
" " "	3" at 2" 1/2	100	

Declassified E.O. 12356 Section 3.3/NND No. 785021

"	"	"	3/8"	300	
"	"	"	1/2"	500	
"	"	"	3/4"	750	
"	"	"	1"	1000	
"	"	"	1" 1/4	750	Tons. 1
"	"	"	1" 1/2	500	
"	"	"	2"	300	
"	"	"	2" 1/2	200	
"	"	"	3	100	
"	"	"	3" 1/2	100	
"	"	"	4"	100	
As above reducing			3/8"at 1/4	100	
"	"	"	1/2" at 3/8	100	
"	"	"	3/4" at 1/2"	200	
"	"	"	1" at 3/4"	300	
"	"	"	1" 1/4 at 1"	300	Tons. 0.7
"	"	"	1" 1/2 at 1" 1/4	200	
"	"	"	2" at 1" 1/2	100	
"	"	"	2" 1/2 at 2"	100	
"	"	"	3" at 2" 1/2	100	
"	"	"	3" 1/2 at 3"	100	
"	"	"	4" at 3" 1/2	50	
Elbows at 90° with one end threaded					
at			1/4"	200	
"	"	"	" " "	3/8"	200
"	"	"	" " "	1/2"	300
"	"	"	" " "	3/4"	300
"	"	"	" " "	1"	500

2204

Declassified E.O. 12356 Section 3.3/NND No. 785021

Elbows at 90° with one end threaded	1" 1/4	500
" " " " " " "	1" 1/2	300
" " " " " " "	2"	200
" " " " " " "	2" 1/2	100
" " " " " " "	3"	50
" " " " " " "	3" 1/2	50
" " " " " " "	4"	50
Tee; at 90° 1/4"		200
" " " 3/8"		300
" " " 1/2"		300
" " " 3/4"		500
" " " 1"		500
" " " 1" 1/4		500
" " " 1" 1/2		200
" " " 2"		200
" " " 2" 1/2		150
" " " 3"		150
" " " 3" 1/2		100
" " " 4"		100
Tee at 90° Reducers 3/8" at 1/4"		200
" " " " 1/2" " 3/8"		250
" " " " 3/4" " 1/2"		300
" " " " 1" " 3/4"		350
" " " " 1" 1/4 at 1"		300
" " " " 1" 1/2 at 1" 1/4		2 50
" " " " 2" at 1" 1/2		200
" " " " 2" 1/2 at 2"		150
" " " " 3" at 2" 1/2		100

Tons.0.17

Tons.1.5

Tons.0.15

Declassified E.O. 12356 Section 3.3/NND No. 785021

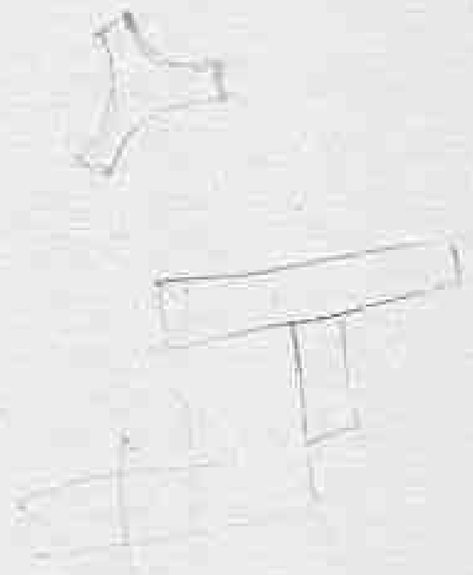
" " "	1/2"	500	
" " "	3/4"	500	
" " "	1"	500	
" " "	1" 1/4	200	Tons.1.5
" " "	1" 1/2	200	
" " "	2"	150	
" " "	2" 1/2	150	
" " "	3"	100	
" " "	3" 1/2	100	
" " "	4"	200	
Tee at 90° reducers	3/8" at 1/4"	250	
" " " "	1/2" " 3/8"	300	
" " " "	3/4" " 1/2"	350	
" " " "	1" " 3/4"	300	
" " " "	1" 1/4 at 1"	2.50	Tons.0.15
" " " "	1" 1/2 at 1" 1/4	200	
" " " "	2" at 1" 1/2	150	
" " " "	2" 1/2 at 2"	100	
" " " "	3" at 2" 1/2	100	
" " " "	3" 1/2 at 3"	50	
" " " "	4" at 3" 1/2	100	
Tee at 45° 1/4"		100	
" " " 3/8"		150	
" " " 1/2"		200	
" " " 3/4"			

3203

Declassified E.O. 12356 Section 3.3/NND No. 785021

Tee at 45°		1"	250
" " "		1" 1/4	200
" " "		1" 1/2	100
" " "		2"	100
" " "		2" 1/2	50
" " "		3"	50
" " "		3" 1/2	50
" " "		4"	50
Curved Tee at 90°	one curve	1/4"	100
" " " " "	" "	3/8"	150
" " " " "	" "	1/2"	200
" " " " "	" "	3/4"	250
" " " " "	" "	1"	300
" " " " "	" "	1" 1/4	250
" " " " "	" "	1" 1/2	200
" " " " "	" "	2"	100
Curved Tee at 90°	one curve	3"	50
" " " " "	" "	3" 1/2	50
" " " " "	" "	4"	50
" " " " "	two curves	1/4"	100
" " " " "	" "	3/8"	150
" " " " "	" "	1/2"	200
" " " " "	" "	3/4"	250
" " " " "	" "	1"	300
" " " " "	" "	1" 1/4	250
" " " " "	" "	1" 1/2	200
" " " " "	" "	2"	100

Tons. 0.9



Tons.0.12

Tons.0.12

Declassified E.O. 12356 Section 3.3/NND No. 785021

"	"	"	"	"	"	"	3/8"	150	
"	"	"	"	"	"	"	1/2"	200	
"	"	"	"	"	"	"	3/4"	250	
"	"	"	"	"	"	"	1"	300	
"	"	"	"	"	"	"	1" 1/4	250	
"	"	"	"	"	"	"	1" 1/2	200	Tons.0.12
"	"	"	"	"	"	"	2"	100	
"	"	"	"	"	"	"	2" 1/2	100	
Curved Toe at 90° one curve							3"	50	
"	"	"	"	"	"	"	3" 1/2	50	
"	"	"	"	"	"	"	4"	50	
"	"	"	"	"	two curves		1/4"	100	
"	"	"	"	"	"	"	3/8"	150	
"	"	"	"	"	"	"	1/2"	200	
"	"	"	"	"	"	"	3/4"	250	
"	"	"	"	"	"	"	1"	300	
"	"	"	"	"	"	"	1" 1/4	250	Tons.0.12
"	"	"	"	"	"	"	1" 1/2	200	Tons.0.12
"	"	"	"	"	"	"	2"	100	
"	"	"	"	"	"	"	2" 1/2	100	
"	"	"	"	"	"	"	3"	50	
"	"	"	"	"	"	"	3" 1/2	50	
"	"	"	"	"	"	"	4"	50	

22 2

Declassified E.O. 12356 Section 3.3/NND No. 785021

Cross at 90°	1/4"	150	
" " "	3/8"	200	
" " "	1/2"	200	
" " "	3/4"	300	
" " "	1"	350	
" " "	1" 1/4	300	
" " "	1" 1/2	200	
" " "	2"	150	Tons.6.15
" " "	2" 1/2	100	
" " "	3"	100	
" " "	3" 1/2	50	
" " "	4"	50	
Cross at 90° reducers	3/8" at 1/4"	100	
" " " "	1/2" " 3/8"	150	
" " " "	3/4" " 1/2"	200	
" " " "	1" " 3/4"	250	
" " " "	1" 1/4 at 1"	250	
" " " "	1" 1/2 at 1" 1/4	150	Tons.0.12
" " " "	2" " 1" 1/2	100	
" " " "	2" 1/2 " 2"	50	
" " " "	3 at 2" 1/2	50	
" " " "	3" 1/2 at 3"	50	
" " " "	4" at 3" 1/2	50	
Unions - 1/4 "		500	
" 3/8"		750	
" 1/2"		1000	
" 3/4"		1250	
" 1"		1500	
" 1" 1/4		1500	Tons 2.10

Declassified E.O. 12356 Section 3.3/NND No. 785021

"	"	"	4"		50
Cross	at 90°	reducers	3/8" at 1/4"		100
"	"	"	"	1/2" " 3/8"	150
"	"	"	"	3/4" " 1/2"	200
"	"	"	"	1" " 3/4"	250
"	"	"	"	1" 1/4 at 1"	250
"	"	"	"	1" 1/2 at 1" 1/4	150
"	"	"	"	2" " 1" 1/2	100
"	"	"	"	2" 1/2 " 2"	50
"	"	"	"	3 at 2" 1/2	50
"	"	"	"	3" 1/2 at 3"	50
"	"	"	"	4" at 3" 1/2	50
Unions	-	1/4 "			300
"		3/8"			750
"		1/2"			1000
"		3/4"			1250
"		1"			1500
"		1" 1/4			1500
"		1" 1/2			1000
"		2"			750
"		2" 1/2			500
"		3"			400
"		3" 1/2			300
"		4"			200

Tons.C.12

Tons 2.10

3201

Declassified E.O. 12356 Section 3.3/NND No. 785021

Unions	reducers	3/8" at 1/4"	500	
"	"	1/2" " 3/8"	750	
"	"	3/4" " 1/2"	1000	
"	"	1" " 1/2"	500	
"	"	1" " 3/4"	1000	
"	"	1" 1/4 at 1/2"	500	
"	"	1" 1/4 at 3/4"	500	
"	"	1" 1/4 at 1"	1000	
"	"	1" 1/2 at 3/4"	500	Tons. 3.5
"	"	1" 1/2 at 1"	500	
"	"	1" 1/2 at 1" 1/4	750	
"	"	2" at 1"	350	
"	"	2" at 1" 1/4	250	
"	"	2"-1" 1/2	500	
"	"	2" 1/2 at 1" 1/4	250	
"	"	2" 1/2 at 1" 1/2	500	
"	"	2" 1/2 at 2"	400	
"	"	3" at 1" 1/2	200	
"	"	3" at 2"	150	
"	"	3" at 2" 1/2	300	
"	"	3" 1/2 at 2"	150	
"	"	3" 1/4 at 2" 1/2	100	
"	"	3" 1/2 at 3"	200	
"	"	4" at 2" 1/2	50	
"	"	4" at 3"	50	
"	"	4" at 3" 1/2	100	
Couplings	1/4"		250	
"	3/8"		300	

Declassified E.O. 12356 Section 3.3/NND No. 785021

"	"	1" 1/2 at 1" 1/4	750
"	"	2" at 1"	350
"	"	2" at 1" 1/4	250
"	"	2"-1" 1/2	500
"	"	2" 1/2 at 1" 1/4	250
"	"	2" 1/2 at 1" 1/2	300
"	"	2" 1/2 at 2"	400
"	"	3" at 1" 1/2	200
"	"	3" at 2"	150
"	"	3" at 2" 1/2	300
"	"	3" 1/2 at 2"	150
"	"	3" 1/2 at 2" 1/2	100
"	"	3" 1/2 at 3"	200
"	"	4" at 2" 1/2	50
"	"	4" at 3"	50
"	"	4" at 3" 1/2	100
Couplings	1/4"		250
"	3/8"		300
"	1/2"		500
"	3/4"		1000
"	1"		1500
"	1" 1/4		1000
"	1" 1/2		500
"	2"		300
"	2" 1/2		250
"	3"		200
"	3" 1/2		100
"	4"		50

Tons. 1.13

Declassified E.O. 12356 Section 3.3/NND No. 785021

Doubles nipples with bolt	1/4"	1000	
" " " "	3/8 "	1500	
" " " "	1/2"	2000	
" " " "	3/4"	2500	
" " " "	1"	2500	
" " " "	1" 1/4	2000	
" " " "	1" 1/2	1000	Tons. 0.7
" " " "	2"	1000	
" " " "	2" 1/2	500	
" " " "	3"	500	
" " " "	3" 1/2	250	
" " " "	4"	250	
Nipples reducers male and female			
	3/8"at 1/4"	1000	
" "	" 1/2" " 3/8"	1000	
" "	" 3/4" " 1/4"	1000	
" "	" 1" " 1/2"	1000	
" "	" 1 " 3/4	1000	
" "	" 1" 1/4 at 1/2"	500	
" "	" 1" 1/4 " 3/4"	500	
" "	" 1" 1/4 " 1"	500	
" "	" 1" 1/2 at 1/2"	500	
" "	" 1" 1/2 at 3/4"	400	
" "	" 1" 1/2 " 1"	400	
" "	" 1" 1/2 " 1" 1/4	400	
" "	" 2"-3/4	300	Tons. 0.8
" "	" 2"-1"	300	

Declassified E.O. 12356 Section 3.3/NND No. 785021

"	"	"	"	3"	300
"	"	"	"	3" 1/2	250
"	"	"	"	4"	250
Nipples reducers male and female					
				3/8"at 1/4"	1000
"	"	"	1/2"	" 3/8"	1000
"	"	"	3/4"	" 1/2"	1000
"	"	"	1"	" 1/2"	1000
"	"	"	1	" 3/4	1000
"	"	"	1" 1/4	at 1/2"	500
"	"	"	1" 1/4	" 3/4"	500
"	"	"	1" 1/4	" 1"	500
"	"	"	1" 1/2	at 1/2"	500
"	"	"	1" 1/2	at 3/4"	400
"	"	"	1" 1/2	" 1"	400
"	"	"	1" 1/2	" 1" 1/4	400
"	"	"	2"-3/4		300
"	"	"	2"-1"		300
"	"	"	2"-1" 1/4		300
"	"	"	2"-1" 1/2		250
"	"	"	2" 1/2	at 1"	250
"	"	"	2" 1/2	at 1" 1/4"	200
"	"	"	2" /2	at 1" 1/2	200
"	"	"	2" 1/2	" 2"	200
"	"	"	3"	at 1" 1/2	150
"	"	"	3"	" 2"	150
"	"	"	3"	" 2" 1/2	150
"	"	"	3" 1/2	at 1" 1/2	100

Tons. O.S

2199

Declassified E.O. 12356 Section 3.3/NND No. 785021

Nipples reducers male and female	
3" 1/2 a& 2"	100
" " " 3" 1/2 " 2" 1/2	100
" " " 3" 1/2 " 3"	50
" " " 4" " 2" 1/2	50
" " " 4" " 3"	50
" " " 4" " 3" 1/2	50
Doubles nipples reducers with Bolt	
3/8"at 1/4"	1000
" " " 1/2" " 3/8"	1000
" " " 3/4" " 1/2"	1000
" " " 1" " 1/2"	1000
" " " 1" a& 3/4"	1000
" " " 1" 1/4 a& 1/2"	500
" " " 1" 1/4 a& 3/4"	500
" " " 1" 1/4 a& 1"	500
" " " 1" 1/2 a& 1/2"	500
" " " 1" 1/2" a& 3/4"	400
" " " 1" 1/2 a& 1"	400
" " " 1" 1/2 a& 1 1/4	400
" " " 2" a& 3/4"	300
" " " 2" a& 1"	300
" " " 2" a& 1" 1/4	300
" " " 2" a& 1" 1/2	250
" " " 2" 1/2 a& 1"	250
" " " 2" 1/2 a& 1" 1/4	200
" " " 2" 1/2 a& 1" 1/2	200

Tons. G.S

Declassified E.O. 12356 Section 3.3/NND No. 785021

"	"	" 2" " 1/2"	1000	
"	"	" 1" at 3/4"	1000	
"	"	" 1" 1/4 at 1/2"	500	
"	"	" 1" 1/4 at 3/4"	500	
"	"	" 1" 1/4 at 1"	500	
"	"	" 1" 1/2 at 1/2"	500	
"	"	" 1" 1/2" at 3/4"	400	
"	"	" 1" 1/2 at 1"	400	Tons. O.S.
"	"	" 1" 1/2 at 1 1/4	400	
"	"	" 2" at 3/4"	800	
"	"	" 2" at 1"	800	
"	"	" 2" at 1" 1/4	300	
"	"	" 2" at 1" 1/2	250	
"	"	" 2" 1/2 at 1"	250	
"	"	" 2" 1/2 at 1" 1/4	200	
"	"	" 2" 1/2 at 1" 1/2	200	
"	"	" 2" 1/2 " 2"	200	
"	"	" 3" " 1" 1/2	150	
"	"	" 3" at 2"	150	
"	"	" 3" at 2" 1/2	150	
"	"	" 3" 1/2 at 1" 1/2	100	
"	"	" 3" 1/2 at 2"	100	
"	"	" 3" 1/2 at 2" 1/2	100	

Declassified E.O. 12356 Section 3.3/NND No. 783021

Doubles nipples reducers with Bolt	3" 1/2 at 3"	50	
" "	" 4" at 2" 1/2	50	
" "	" 4" at 3"	50	
" "	" 4" at 3" 1/2	50	
Exagonal clamps	1/4"	1000	
" "	3/8"	1000	
" "	1/2"	1500	
" "	3/4"	2000	
" "	1"	2000	
" "	1" 1/4	2000	Tons. 0.10
" "	1" 1/2	1000	
" "	2"	1000	
" "	2" 1/2	500	
" "	3"	500	
" "	3" 1/2	250	
" "	4"	250	
Plugs with Bolt	1/4"	100	
" "	3/8"	100	
" "	1/2"	100	
" "	3/4"	150	
" "	1"	150	
" "	1" 1/4	150	
" "	1" 1/2	100	
" "	2"	100	Tons.0.7
" "	2" 1/2	50	

Declassified E.O. 12356 Section 3.3/NND No. 785021

"	"	1"	2000
"	"	1" 1/4	2000
"	"	1" 1/2	1000
"	"	2"	1000
"	"	2" 1/2	500
"	"	3"	500
"	"	3" 1/2	250
"	"	4"	250
Plugs at Bolt		1/4"	100
"	"	3/8"	100
"	"	1/2"	100
"	"	3/4"	100
"	"	1"	150
"	"	1" 1/4	150
"	"	1" 1/2	150
"	"	2"	100
"	"	2" 1/2	50
"	"	3"	50
"	"	3" 1/2	50
"	"	4"	50
Male taps		1/4"	100
"	"	3/8"	100
"	"	1/2"	100
"	"	3/4"	150
"	"	1"	150
"	"	1" 1/4	150
"	"	1" 1/2	100
"	"	2"	100

Tons. 0.10

Tons. 0.7

Tons. 0.7

3198

Declassified E.O. 12356 Section 3.3/NND No. 785021

Male taps	2" 1/2	50	
" "	3"	50	
" "	3" 1/2	50	
" "	4"	50	
Flanges	1/4"	—	
"	3/8"	—	
"	1/2"	—	
"	3/4"	—	
"	1"	500	
"	1" 1/4	500	
"	1" 1/2	500	Tons. 3
"	2"	750	
"	2" 1/2	750	
"	3"	500	
"	3" 1/2	500	
"	4"	500	

Amount Weight approx Tons.

Declassified E.O. 12356 Section 3.3/NND No. 785021

"	2"	750
"	2" 1/2	750
"	3"	500
"	3" 1/2	500
"	4"	500

Amount Weight approx Tons.

2197

Declassified E.O. 12356 Section 3.3/NND No. 785021


0994