

218/C/TN.2-I-209-Mac Airgram 27-
State Railways

gram 27-

10000/148/759

From: Mar '45
to: June '45

Ext. 513

HEADQUARTERS ALLIED COMMISSION
APO 394
TRANSPORTATION SUB-COMMISSION

CRR/can

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/Mat/14/6/Tn.4 of 12 June 1945 (copy attached) and your 4452/167-EG of 12 June 1945.
2. The letter from Chief of Rail Division shows that insufficient information is available for drafting a MCC 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.

CHARLES RYAN
Chief, Planning Staff
Transportation Sub-Commission

copies to:
File 218/c/Tn.2.

0 2 2 3

a SAC cable unless you are in favor of breaking down the 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
Chief, Planning Staff
Transportation Sub-Commission

Copies to:
File 218/c/Tn.2.
Rail Division
(Attn. Maj. Long).

188

COPY OF A COPY

2

WARX 83858
MAY 172314Z

E 1186
MAY 180900
ROUTINE

WAR

HQ ALCOM

CONFIDENTIAL

This is COM 94

Specifications on category "E" requisitions.

Re CLAC 1-209/310-freight cars for privately 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.

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 CLAC 1-240-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 CLAC I-238-cables, electrical, require further specific details on item 2.

Reqn. Br. Dist:

Dist

Action: Trpt. S/C
Industry S/C
Info : P. W. & U. S/C
Econ Sec
Supply & Production Div.

Action: Req. Div. 5
Info : A/President
Chief Commissioner
Econ Sec
File 2
Float

Action copy on paras 3 & 4 fwd. to Industry S/C on 19/5/45,
Attn: Major Kilner.

187

0 2 2 2

SUPPLY POSITION SHEET

Requisition No: OLAC I-209 - Dated: 16 March 1945

Item	Amount	Advice of Shipment	Arrival	Balance Due
1	3,000			
2	3,000			
3	82,500			
4	66,000			
5	55,000			
6	5,500			
7	82,500			

0 2 2 3

186

4	66,000
5	55,000
6	5,500
7	82,500
8	5,500
9	330,000
10	11,000
11	2,750

SUPPLY POSITION SHEETRequisition No: 0140 I-808 - Dated: 16 March 1946
(Page 2)

Item	Amount	Advice of Shipment	Arrival	Balance Due
12	22,000			
13	5,500			
14	6,600			
15	11,000			
16	1,650			
17	15,000			
18	2,750			

0225

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

185

15 11,000

16 1,650

17 15,000

18 2,750

19 500,000

20 230,000

21 22,000

22 2,200

SUPPLY POSITION SHEET

Requisition No: 3140 1-1008 - Dated: 15 March 1945
(Page 3)

Item	Amount	Advice of Shipment	Arrival	Balance Due
23	5,500			
24	5,500			
25	33,000			
26	200,000			
27	200			
28	150,000			
29	100,000			100
30	200,000			
31	100,000			

0 2 2 7

187

200,000

200

150,000

100,000

200,000

100,000

100,000

100,000

100,000

300,000

26

27

28

29

30

31

32

33

34

35

36

SUPPLY POSITION SHEET

Requisition No: CLAC 1-209 - Dated: 15 MARCH 1945
(Page 4)

Item	Amount	Advice of Shipment	Arrival	Balance Due
37	200,000			
38	350			
39	5			
40	225			
41	200			
42	2,860,000			
43	880,000			183
44	880,000			
45	200,000			

0 2 2 9

41 200

42 2,860,000

43 980,000

44 380,000

45 200,000

46 35

47 4

48 1

49 1

183

0230

SUPPLY POSITION SHEET

Requisition No: CIAC I-208 - Dated: 18 March 1946
(Page 5)

Item	Amount	Advice of Shipment	Arrival	Balance Due
50	200			
51	3			
52	5			
53	40			
54	800			
55	6			
56	3			
57	3			
58	3			182
59	1			
60	30			
61	1			

0 2 3 1

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

182

54	55	56	57	58	59	60	61	62	63	64	65	66	67
800	6	3	3	3	1	30	1	2	3	3	4	4	9

0 2 3 2

SUPPLY POSITION SHEET

Requisition No: OLAC I-009 - Dated: 16 March 1946
(Page 6)

Item	Amount	Advice of Shipment	Arrival	Balance Due
68	9			
69	40			
70	30			
71	30			
72	40			
73	10			
74	120			
75	40			
76	250			181
77	30			
78	30			

0 2 3 3

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

181

71	30
72	40
73	10
74	120
75	40
76	250
77	30
78	30
79	100
80	500
81	50
82	20
83	1,000
84	1,000
85	500

0 2 3 4

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

Requisition N: CLAC I-209 - Dated. 16 March 1945
(Page 7)

Item	Amount	Advice of Shipment	Arrival	Balance Due
86	500			
87	1,000			
88	500			
89	300			
90	1,200			
91	2,000			
92	5			
93	200			
94	60			
95	83			180
96	2			
97	20			
98	30			
99	100			

0 2 3 5

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

180

5

200

60

83

2

20

30

100

200

150

2,450

270

1,500

225

92

93

94

95

96

97

98

99

100

101

102

103

104

105

SUPPLY POSITION SHEETRequisition No: CLAC I-209 - Dated: 18 March 1945
(Page 8)

Item	Amount	Advice of Shipment	Arrival	Balance Due
106	135			
107	100,000			
108	100,000			
109	500			
110	400			
				179

0 2 3 1

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

179

500

400

109

110

0 2 3 8

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HEADQUARTERS ALLIED COMMISSION

MOO Airgram 27 : 16 March 1945

From : ALCOM CITE ACECO

To : CCAC FOR CLAC

Subject : Requisition Number CLAC I-309, State Railways Program of Essential Italian Imports 1945 - Section 1-f.

SPECIAL PROGRAM : The items listed below are requested by the Italian Government for procurement and shipment to Italy as early as possible unless otherwise indicated below.

The Italian Government authorized payment out of the fund established pursuant to the letter addressed by the Italian Minister for the Treasury to the U.S. Secretary of the Treasury on 20 January 1945 for such of the items listed below as shall be assigned for procurement to the United States.

- Ship to : Italian ports to be detailed later.
- Consignee : Istituto Nazionale per il Commercio Estero (ICE)
- Shipping Markings : In accordance with WD Shipping Marking Directive; to include letters ICE and above Requisition Number.
- Shipping Documents : It is requested that four copies of the Ocean Bill of Lading be sent by Air Mail to Economic Section, AC immediately after ship sails. 178

pursuant to the letter addressed by the Italian Treasury to the U.S. Secretary of the Treasury on 20 January 1948 for such of the items listed below as shall be assigned for procurement to the United States.

- Ship to : Italian ports to be detailed later.
- Consignee : Istituto Nazionale per il Commercio Estero (ICE)
- Shipping Markings : In accordance with WD Shipping Marking Directive; to include letters ICE and above Requisition Number.
- Shipping Documents : It is requested that four copies of the Ocean Bill of Lading be sent by Air Mail to Economic Section, AC immediately after ship sails. **178**

PROGRAM OF ESSENTIAL ITALIAN IMPORTS
STATE RAILWAYS

Item	Sched. B Number	Schedule B Classification and Detailed Specifications	Sched. B Unit	Quantity
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GROUP 2.-VEGETABLE PRODUCTS, INEDIBLE,
EXCEPT FIBERS AND WOOD

RUBBER AND MANUFACTURES:

- | | | | | |
|--------|---|----------|------|--|
| 204300 | Clothing of rubber or of rubberized cloth: | | | |
| 1. | Gummed black raincoats with hood for line and station staff | | Doz. | |
| | | No. 3000 | | |
| 2. | Waterproof suits (coat, trousers | | | |

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MOC Airgram 27
Requisition Number I-309
Page 2

Item	Sched. B Number	Schedule B Classification and Detailed Specifications and hat for line and station staff)	Sched. B Unit	Quantity
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No. 3000

GROUP 3.-TEXTILE FIBERS AND MANUFACTURES:

VEGETABLE FIBERS AND MANUFACTURES

Other flax, hemp and ramie manu-
factures, n.e.s.:

339998

Olona white linen, 36 in. wide
for sleeping quarters sheets
and pillow cases Lin. Yd.

82,500

3.

COTTON MANUFACTURES:

304510

Cotton cloth, duck and tire fab-
ric; finished cloth, bleached,
dyed, printed, stiffened or
otherwise converted and colored
yarn fabrics: wider than 40 in.;
drills, twills, and warp sateens: Sq. yd.

"Zanello" cotton cloth 55 in.
wide for overalls: (printers
and telegraph workers) wt.
about .6 lb. per yd.

66,000
177

4.

Corduroy cotton cloth, 27 in.
wide for jackets and trousers
for engine drivers wt. about
.9 lb per yd.

55,000

5.

for sleeping quarters sheets
and pillow cases Lin. Yd. 82,500

COTTON MANUFACTURES:

304510

Cotton cloth, duck and tire fabric; finished cloth, bleached, dyed, printed, stiffened or otherwise converted and colored yarn fabrics; wider than 40 in.; drills, twills, and warp sateens: Sq. yd.

4.

"Zanella" cotton cloth 55 in. wide for overalls: (printers and telegraph workers) wt. about .6 lb. per yd.

66,000
177

5.

Corduroy cotton cloth, 27 in. wide for jackets and trousers for engine drivers wt. about .9 lb per yd.

55,000

6.

Mixed cotton cloth 27 in. wide for overalls and suite (janitors, workers) wt. about .66 lb. per yd.

5,500

7.

"Trellis" cotton cloth 39 in. wide for pillow cases in pillow and mattress lining

82,500

319900

Other cotton manufactures n.e.s.:

8.

Lamp wicks, round section consisting of 120 cotton threads not twisted, threads without knots and dry Lin. yd.

5,500

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MOC Airgram 27
Requisition Number CLAC I-209
Page 3

Item	Sched. B Number	Schedule B Classification and Detailed Specifications	Sched. B Unit	Quantity
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GROUP 3.-TEXTILE FIBERS AND MANU-
FACTURES: (cont.)

WOOL MANUFACTURES:

9.	380905	Clothing wool: Wool or substitute for stuff- ing mattresses and pillows	Lb.	330,000
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10.	384201	Fabric wholly or chiefly of wool; wool cloth and dress goods, quan- tity only: Woolen black cloth, heavy type for uniforms, 55 in. wide (station masters, movements deputy directors, waiting room janitors, clerks, ushers, offi- ce workers, etc.) weight about 2 lb. per yard	Yd.	11,000
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11.		Light black woolen cloth, for uniforms, 55 in. wide, wt. about 1.65 lb. per yard		2,750
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12.		Iron gray colored heavy woolen cloth, 55 in. wide for uniforms (engine drivers, checkers, jani- tors, laborers, coach cleaners, brakemen, wattmen, poistmen) wt. about 2 lb. per yard		175 22,000
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13. Iron gray colored light woolen

Wool cloth and dress goods, quantity only: Yd.

10.	Woolen black cloth, heavy type for uniforms, 55 in. wide (station masters, movements deputy directors, waiting room janitors, clerks, ushers, office workers, etc.) weight about 2 lb. per yard	11,000
11.	Light black woolen cloth, for uniforms, 55 in. wide, wt. about 1.65 lb. per yard	2,750
12.	Iron gray colored heavy woolen cloth, 55 in. wide for uniforms (engine drivers, checkers, janitors, laborers, coach cleaners, brakemen, wattmen, poistmen) wt. about 2 lb. per yard	176 22,000
13.	Iron gray colored light woolen cloth, 138/140 cm. wide, for uniforms, wt. 1.65 lbs. per yd.	5,500
14.	Overcoating black cloth 55 in. wide for station staff, wt. about 2 lb. per yd.	6,600
15.	Overcoating woolen cloth "Mergo" type, 55 in. wide, for traveling staff and waiting room janitors, wt. about 1-1/2 lb. per yd.	11,000
16.	36640 Wool felt woven for machines Felt cloth, for hermetic sealing of carriages windows and	Lb.

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MCC Airgram 27
Requisition Number CLAC I-209
Page 4

Item	Sched. B Number	Schedule B Classification and Detailed Specifications	Sched. B Unit	Quantity
17.	366601	Wool blankets, quantity only: doors (in sheets), felt made of hair or wool, without agglu- tinant, 64 in thick, 4 in. wide and 14 in. long, tearing load tested to 22 lb. per sq. yd.	No.	1,650
		Wool blankets 82" x 62" for traveling staff sleeping quarters		15,000
18.	402900	Special timber for switches 10' to 25' random lengths 12" x 6"	M bd.ft.	
19.		Cross-ties for tracks and switches. See drawing 1-F-21		175
		PAPER, RELATED PRODUCTS AND MANUFACTURES:		
	472300	Wrapping paper, except Kraft:	Lb.	

GROUP 4.--WOOD AND PAPER

WOOD, UNMANUFACTURED:

402900 Railroad ties hevn; other: M rd.ft.

18. Special timber for switches
10' to 25' random lengths
12" x 6"

Cu. yd. 2,750

19. Cross-ties for tracks and
switches. See drawing 1-E-21

175

No. 500,000

PAPER, RELATED PRODUCTS AND
MANUFACTURES:

472300 Wrapping paper, except Kraft: Lb.

Wrapping paper

20. Weight .18 lb. per sq.yd.
28" x 40" 220,000

21. Weight .35 lb. per sq.yd.
40" x 56" 23,000

473300 Other paper board Lb.

"Manila" card board

Card board, leather like,
sheets 28" x 39":

23. Weight 1.5 lb. per sq.yd. 5,500
24. Weight .9 lb. per sq. yd. 5,500

25. Cleaning paper (to be used
instead of rags and cotton
waste) 33,000

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MCC Airgram 27
Requisition Number CLAC 1-209
Page 5

Item	Sched. E Number	Schedule E Classification and Detailed Specifications	Sched. E Unit	Quantity
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GROUP 6.-METALS AND MANUFACTURES.

EXCEPT MACHINERY AND

VEHICLES:

STEEL MILL MANUFACTURES:

605200	Railway track material; rails; less than 60 pounds per yard: (See specification at Item No. 27)	L. Ton	
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605400	Railway track material; rail joints, splice bars, fishplates, and tieplates: (See specification at Item No. 27)	Lb.	
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605500	Railway track material; switches, frogs, and crossings: Decauville materials: Switches and turntables	Lb.	200,000
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605800	Railway track material; railroad spikes:	Lb.	174
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26.	Decauville materials: Rails, sleepers, fishplates, stay plates, dog spikes. (Also classified under 605200 and 605400) Ton 200		
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606000	Tubular products and fittings:		
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(See specification at item
No. 27)

26.	605500	Railway track material; switches, frogs, and crossings:	Lb.	200,000
		Decauville materials: Switches and turntables		
	605800	Railway track material; railroad spikes:	Lb.	17 1/2
27.		Decauville materials: Rails, sleepers, fishplates, stay plates, dog spikes. (Also classified under 605200 and 605400) Ton 200		
	606000	Tubular products and fittings; boiler tubes; seamless:	Lb.	
28.		Pipes for boilers without copper sleeves (mild carbon steel)		150,000
29.		46 X 51 X 3300 mm		100,000
30.		46 X 51 X 4100 mm		200,000
31.		46 X 51 X 5250 "		100,000
32.		46 X 51 X 5900 "		100,000
33.		125 X 133 X 4100 "		100,000
34.		125 X 133 X 5250 "		100,000
	608710	Wire and manufacture; wire rope and wire strand; wire rope and cable not insulated:	Lb.	

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MOC Airmgram 27
Requisition Number CLAC 1-209
Page 6

<u>Item</u>	<u>Sched. B Number</u>	<u>Schedule B Classification and Detailed Specifications</u>	<u>Sched. B Unit</u>	<u>Quantity</u>
<u>GROUP 6.-METALS AND MANUFACTURES,</u> <u>EXCEPT MACHINERY AND</u> <u>VEHICLES (CONT.)</u>				
<u>STEEL MILL MANUFACTURES (CONT.)</u>				
35.		Steel wire rope galvanized for protection of primary lines; type 19 x 22 mm. - theoretical; section 72.82 mm. diam. 11 mm. weight 5.84 Kg/km.		300,000
	610518	Castings and forgings; railway car wheels, tires and axles; railway car tires and locomotive car wheels:	Lb.	
36.		Tires for locomotives and cars (high carbon steel) <u>Note: 800 tons new material ordered on 6 mo. reqn.)</u>		
	610525	Castings and forgings; railway car wheels, tires and axles, railway car axles, without wheels, except locomotives:	Lb.	173
37.		Rough raw axles for cars - medium carbon steel		200,000
	620998	<u>IRON AND STEEL ADVANCED MANUFACTURES:</u> Other iron and steel manufactures;		

36.	610518	Castings and forgings; railway car wheels, tires and axles; railway car tires and locomotive car wheels: Tires for locomotives and cars (high carbon steel) <u>Note:</u> 800 tons new material ordered on 6 mo. reqn.)	Lb.	
	610525	Castings and forgings; railway car wheels, tires and axles; railway car axles, without wheels, except locomotives: Rough raw axles for cars - medium carbon steel	Lb.	173 200,000
37.		IRON AND STEEL ADVANCED MANUFACTURES:		
	620998	Other iron and steel manufactures; Coil and helicoidal springs (special steel) (See drawing 1-F-23)		350
38.		Helicoidal springs for various purposes (See drawing 1-F-23)		5
39.		Buffer (medium carbon steel and special steel) (1 type only) (See drawing 1-F-24)		225
40.		Steel for leaf springs (special steel) (See drawing 1-F-25 and specification 1-F-25/1)		200

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MOG Airgram 27
Requisition Number CLAC I-509
Page 7

Item	Sched. B Number	Schedule B Classification and Detailed Specifications	Sched. B Unit	Quantity
<u>GROUP 6.-METALS AND MANUFACTURES, EXCEPT MACHINERY AND VEHICLES (Cont.)</u>				
NONFERROUS ORES, METALS AND ALLOYS EXCEPT PRECIOUS:				
	642500	Copper; wire, bare:	Lb.	
42.		Copper rope, 19 strands, 2.8 mm type, section 120 sq. mm., weight 1070 Kgs/Km. (1000 tons are re- quired for 120 KV primary lines and 300 tons for cable supporting con- tact wire)		172,880,000
43.		Copper wire, diam. 10 mm., section 78.5 sq.mm., weight 700 Kgs/Km, round		880,000
44.		Sectioned copper wire for contact conductors 11.8 mm. diam., for primary lines 60 KV; weight 885 Kgs/Km. Drawing 1-F-6		880,000
	645700	Brass and bronze; wire, bare and insulated, brass or bronze:	Lb.	
45.		Phosphorous bronze wire, 3 mm. diam., for telegraph		200,000

GROUP 7.-MACHINERY AND VEHICLES

ELECTRICAL MACHINERY AND APPARATUS:

43. 300 tons for cable supporting contact wire) 172,860,000

Copper wire, diam. 10 mm., section 78.5 sq.mm., weight 700 Kgs/km, round 880,000

44. Sectioned copper wire for contact conductors 11.8 mm. diam., for primary lines 60 KV; weight 825 Kgs/Km. Drawing 1-F-6 880,000

45. Brass and bronze; wire, bare and insulated, brass or bronze: Lb. 200,000

Phosphorous bronze wire, 3 mm. diam., for telegraph

GROUP 7.-MACHINERY AND VEHICLES

ELECTRICAL MACHINERY AND APPARATUS:

701020 Welding sets; non-rotating type: No.

46. Portable electric arc welding outfits with static transformers, 200 volts, 50 cycles for welding with electrodes from 1 to 6 mm. diam., complete with 10 meter flexible three wire cable for feeding and 10 meters of one wire flexible cable with electrode holder 35

701105 Electrical generating sets powered by Diesel engines, assembled or unassembled: No.

47. Diesel electric AC generators three phase 260 volts, 50 cycles power 300 kW with switchboard

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MOC Airgram 27
Requisition Number CLAC 1-209
Page 8

Item	Sched. B Number	Schedule B Classification and Detailed Specifications	Sched. B Unit	Quantity
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GROUP 7.-MACHINERY AND VEHICLES (Cont.)

ELECTRICAL MACHINERY AND APPARATUS
(Cont.):

or control panel complete with switches and electrical measuring instruments for parallel connection of 2 units - transportable type for mounting on a rail car

4

48.

Emergency Diesel engine, generator and compressor consisting of one 100 HP Diesel motor about 600 RPM directly coupled with one generator, 220 volts and through a joint with one air compressor, mounted on same frame, Marine type

171

1

49.

Auxiliary Marine generator consisting of one Diesel motor, 250 HP and about 350 RPM directly coupled with one 220 V generator

1

701900

Capacitors 1/2 kilovolt ampere and larger:

No.

50.

Condensers of 30 microfarad for filters (vibration, absorption), tension 4000 volts

200

702300

Transforming or converting apparatus; instrument transformers:

No.

49.	171	1	100 HP Diesel motor about 600 RPM directly coupled with one generator, 220 volts and through a joint with one air compressor, mounted on same frame, Marine type	No.	
			Auxiliary Marine generator consisting of one Diesel motor, 250 HP and about 350 RPM directly coupled with one 220 V generator		1
50.			Capacitors 1/2 kilovolt ampere and larger:	No.	
			Condensers of 30 microfarad for filters (vibration, absorption), tension 4000 volts		200
			Transforming or converting apparatus; instrument transformers:	No.	
51.		3	Voltage and current transformer		
52.		5	sets, three phase, for switch-board instruments		
53.		40	Primary voltage 60 KV		
			" " 120 KV		
			" " 10 KV		
			Transforming and converting apparatus; other transformers:	No.	
54.			Transformers, air type, constant current inlet 9.6 Amp., outlet 20 Amp; 6 to 2 KVA series, 42-50 cycles		200

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MOC Airgram 27
Requisition Number CIAC 1-209
Page 9

Item	Sched. B Number	Schedule B Classification and Detailed Specifications	Sched. B Unit	Quantity
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GROUP 7.--MACHINERY AND VEHICLES (CONT.)

ELECTRICAL MACHINERY AND APPARATUS
(CONT.)

Transforming and converting apparatus;
mercury power rectifiers:

No.

Mercury arc rectifiers with glass
for bulb for 250 volts, AC, 50
cycles, 18 KW, 150-240 volts,
150-75 Amps.

3

As above, 9 KW, 150-240 volts,
60-40 Amp., complete with switch-
board and measuring instruments

3

176

Transforming or converting apparatus;
rotating converters; 3/4 and less than
200 kilowatts:

No.

Converter units from AC volts
200 - cycles 50, to DC volts 25,
10 KV complete with switchboard,
control and metering equipment

3

Converter units motor-generator
250 V, AC-motor 50 cycles,
coupled with DC generator shunt
or compound, wound 35 KW, 300-
500 V, 120-75 Amp.

3

Converter units motor-generator,
250 volts AC motor, 50 cycles,
coupled with DC generator shunt
or compound wound 48 KW 150-

59.

56.	702713	60-40 Amp., complete with switch-board and measuring instruments	171	3
57.		Transforming or converting apparatus; rotating converters; 3/4 and less than 800 kilowatts:		
		Converter units from AC volts 200 - cycles 50, to DC volts 25, 10 KV complete with switchboard, control and metering equipment		3
58.		Converter units motor-generator 250 V, AC-motor 50 cycles, coupled with DC generator shunt or compound, wound 35 KW, 300-500 V, 120-75 Amp.		3
59.		Converter units motor-generator, 250 volts AC motor, 50 cycles, coupled with DC generator shunt or compound wound, 18 KW, 150-240 volts, 120-75 Amp.		1
60.		Converter units for accumulator battery charge, 260-125 volt motor, 42-50 cycles and generator 125 volt, 10 KW		30
	703200	Transmission and distribution apparatus; oil circuit breakers and switches		
		Automatic three-pole switches in oil bath for 600 volt 1000 Amp type		
61.		Relay for 500 A		1
62.		" " 1000 A		2

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GROUP 7.-MACHINERY AND VEHICLES (Cont.)

ELECTRICAL MACHINERY AND APPARATUS
(Cont.):

Automatic three-pole switches
in oil bath for 12,000 volts
200 Amp type

63.		Relay for 220 A		3
64.		" " 40 A		3

703300

Transmission and distribution appa-
tus; power switches, circuit breakers
over 10 amperes and parts:

No.

Automatic three-pole air switches
for 600 volts, 600 Amp.

65.		Relay for 400 Amp.		109
66.		Relay for 800 Amp.		4
67.		Ditto for 600 volts, 400 Amp.		9
68.		Relay for 300 Amp.		9
		" " 600 "		

Tripolar switches, open air type:

69.		135 KV, 400 Amp		40
70.		87 KV, 400 Amp		30
71.		15 KV, 200 Amp		30
72.		15 KV, 100 Amp for installa- tion on poles		40

Tripolar switches, for interior:

No.

703300	Transmission and distribution apperatus; power switches, circuit breakers over 10 amperes and parts:	
	Automatic three-pole air switches for 600 volts, 600 Amp.	1034
65.	Relay for 400 Amp.	4
66.	Relay for 800 Amp.	
	Ditto for 600 volts, 400 Amp.	9
67.	Relay for 300 Amp.	9
68.	" " 600 "	
	Tripolar switches, open air type:	
69.	135 KV, 400 Amp	40
70.	87 KV, 400 Amp	30
71.	15 KV, 200 Amp	30
72.	15 KV, 100 Amp for installation on poles	40
	Tripolar switches, for interior:	
73.	15 KV, 1200 Amp	10
74.	15 KV, 200 to 100 Amp.	120
	Tripolar knife switches (for interior):	
75.	15 KV, 1200 Amp.	40
76.	15 KV, 400 to 200 Amp.	250
77.	Ultra rapid switches, 6.5 KV, 2000 Amp., electrically operated, constant current	30
78.	Electrically operated knife switches, 12 poles, 6.5 KV, 300 Amp.	30
79.	Unipole knife switches, 6.5 KV, 200 Amp.	100

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GROUP 7.-MACHINERY AND VEHICLES (CONT.)

ELECTRICAL MACHINERY AND APPARATUS
(CONT.):

80.		Unipole knife switches for contact conductors		500
81.		Self-shutting feeders, 6.5 KV, 2000 Amp., DC		50
82.		Idem, non-shutting type		20

704998

Motors, starters and controllers; other
starting and controlling equipment and
parts for electric railway and vehicle
motors; relay switches and parts for
electric railway and vehicle parts:

168

20mm. copper oxide microrectifiers
for relays polarized at 48 V. and
complete with 7, 4, 7 Westinghouse
elements, type D, coil hardened
(technical conditions L 7 B 15/18/
1940 - drawings 1-F-7, 1-F-8,
1-F-9)

Right hand
Left hand

No. 1000
No. 1000

83.
84.

20 mm. copper oxide microrecti-
fiers for relays at 12 V., each
complete with 4, 2, 4 Westinghouse
elements, type B, drawings 1-F-9

82.

Idem, non-shutting type

704998

Motors, starters and controllers; other starting and controlling equipment and parts for electric railway and vehicle motors; relay switches and parts for electric railway and vehicle parts:

108

20mm. copper oxide microrectifiers for relays polarized at 48 V. and complete with 7, 4, 7 Westinghouse elements, type D, coil hardened (technical conditions L 7 B 15/18/1940 - drawings 1-F-7, 1-F-8, 1-F-9)

No. 1000
No. 1000

Right hand
Left hand

83.
84.

20 mm. copper oxide microrectifiers for relays at 12 V., each complete with 4, 2, 4 Westinghouse elements, type B, drawings 1-F-9, 1-F-10, 1-F-11

No. 500
" 500

Right hand
Left hand

85.
86.

20 mm. copper oxide microrectifiers for track relays consisting each of 4, 4, 4, 4, Westinghouse elements, type B, oil hardened (drawings 1-F-12, 1-F-9)

No. 1,000

87.

Microrectifiers for the total supply and control of mobile screen type State Rly., permanently luminous signals, consisting each of 16, 16, 16, 16, 20 mm., copper oxide, type B, Westinghouse elements, drawing 1-F-13

No. 600

88.

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GROUP 7.-MACHINERY AND VEHICLES(Cont.)

ELECTRICAL MACHINERY AND APPARATUS
(Cont.)

89. Microrectifiers for State Rlwy., type block instruments, consisting of 12 Westinghouse elements of 20 mm., copper oxide, type D, oil hardened. No. 300

90. Microrectifiers for State Rlwy, type block instruments consisting of 4,2,4,4,3,4, 30 mm., copper oxide, type D, Westinghouse elements, oil hardened, drawing 1-F-14, 1-F-14/1) No. 167,200

706455 Electrical appliances, electric incandescent lamps; large filament lamps, medium screw, mogul bi-post bayonet, and other large base lamps: No.

91. Electric bulbs for luminous signals, 12 V, 30 W. (technical conditions L 7 BISS/14/1938, drawing 1-F-19) 2,000

707605 Signal and communication devices; radio apparatus, except aircraft; transmitting sets, tubes and parts; containing mica: No.

92. Transmitting and receiving radio-telephonic sets with

elements, oil hardened, drawings
1-F-14, 1-F-14/1) No. 101,200

91.	706455	Electrical appliances, electric incandescent lamps; large filament lamps, medium screw, mogul bi-post bayonet, and other large base lamps:	No.	2,000
		Electric bulbs for luminous signals, 12 V, 30 W. (technical conditions L 7 BISS/14/1938, drawing 1-F-19)		
	707605	Signal and communication devices; radio apparatus, except aircraft; transmitting sets, tubes and parts; containing mica:	No.	
92.		Transmitting and receiving radio-telephonic sets with range up to 50 Km, battery operated as well as with AC		5
	708700	Signal and communication devices; telephonic apparatus; other telephone equipment and parts:	No.	
93.		Intercommunicating telephone with selective apparatus (Hasler type)		200
94.		Wall type automatic telephones, contained in water-tight boxes		60
		INDUSTRIAL MACHINERY		
	711400	Power-generating machinery, except electric and automotive, steam engines, boilers and accessories; locomotives:	No.	

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Item	Sched. B Number	Schedule B Classification and Detailed Specifications	Sched. B Unit	Quantity
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GROUP 7.-MACHINERY AND VEHICLES(Cont.)

INDUSTRIAL MACHINERY (Cont.)

95.

Steam locomotives 1800 to 2000 HP burning coal or oil; able to negotiate switch of 500' minimum radius; with four coupled axles; four single action cylinders; pilot truck; max. weight 18 tons for each coupled axle; estimated max. speed 60 miles per hour; fitted with superheater, Schmidt system; feed water preheater by exhaust steam or combustion gas; automatic and adjustable continuous double-brake, European system; electric light and central heating plant for trains; central lubrication of cylinders and journals; complete with fittings for conversion from coal to oil burning; tender capacity; water 33 tons, coal 8 tons, auxiliary reservoir for fuel oil 6 tons; hand coupled European type

1bt

83

722000

Construction and conveying machinery;
road rollers:

No.

96.

Steam rollers; 16 tons

OFFICE APPLIANCES:

2

max. weight 18 tons per hour; coupled axle; estimated max. speed 60 miles per hour; fitted with superheater, Schmidt system; feed water preheater by exhaust steam or combustion gas; automatic and adjustable continuous double-brake, European system; electric light and central heating plant for trains; central lubrication of cylinders and journals; complete with fittings for conversion from coal to oil burning; tender capacity: water 32 tons, coal 8 tons, auxiliary reservoir for fuel oil 6 tons; hand coupled European type	83	
722000 Construction and conveying machinery: road rollers:	No.	2
Steam rollers; 16 tons		
96.		
775300 Accounting, bookkeeping and calculating machines and parts; descriptive or text-writing bookkeeping and accounting machines:	No.	20
Calculating machines: 50% manual, 50% electric driven		
775600 Accounting, bookkeeping and calculating machines and parts; listing adding machines	No.	30
Adding machines: 50% manual, 50% electric driven		
98.		
777000 Typewriters and parts; standard, new:	No.	100
Typewriters		
99.		

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GROUP 7.-MACHINERY AND VEHICLES (Cont.)

AUTOMOBILES AND OTHER VEHICLES:

796100 Railway cars; passenger services;
steam railway:

100.

Coaches 3rd Class type; steel frame
steel or wood bodies with trucks;
9 compartments with 8 seats each;
two lavatories, one at each end;
max. weight 35 tons; with Standard
Westinghouse Air brakes; European
type; drawing 1-F-1

300

101.

Baggage vans, steel frame, wood or
steel body with trucks; compart-
ment for service personnel or
postal clerk and luggage; with
Standard Westinghouse air brakes,
European type - Steam heating,
electric lighting; drawing 1-F-2

150

796600

Railway cars; freight cars over 10
ton capacity

No.

102.

Box cars with two axles;
metal body, sides and roof of steel
panels, wood lined, steel floor;
door on both sides, loading capacity
19 tons; Standard Westinghouse
air brakes; European type. (wood
construction may be substituted)

Drawing 1-F-3

2,450

101.	max. weight 30 tons; Westinghouse Air brakes; European type; drawing 1-F-1	200
	Baggage vans, steel frame, wood or steel body with trucks; compartment for service personnel or postal clerk and luggage; with Standard Westinghouse air brakes, European type - Steam heating, electric lighting; drawing 1-F-2	150
	796600 Railway cars; freight cars over 10 ton capacity	No.
102.	Box cars with two axles; metal body, sides and roof of steel panels, wood lined, steel floor; door on both sides, loading capacity 19 tons; Standard Westinghouse air brakes; European type. (wood construction may be substituted) Drawing 1-F-3	2,450
103.	Refrigerator cars, as above, capacity 30.5 cubic mt., 15 ton load including ice; Drawing 1-F-3a.	270
104.	Gondola cars, two axles, side walls 4' high, steel frame, steel sheet side walls, steel floor; 19 tons normal capacity; equipped with Standard Westinghouse air brake system; European type; Drawing 1-F-4	1,500
105.	Gondola cars, two axles; low side walls 15" high; metal drop sides and steel floors; normal capacity 20 tons; equipped with Standard Westinghouse air brake system; European type; Drawing 1-F-5	225

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Item	Sched. B Number	Schedule B Classification and Detailed Specifications	Sched. B Unit	Quantity
106.		Flat cars with 4 axles (two trucks) loading capacity 40 tons; equipped with Standard Westing- house air brake system; European type		135

GROUP 2.-MISCELLANEOUS

165

MISCELLANEOUS OFFICE SUPPLIES:

Lb.

939200 Carbon Paper:

107. Carbon-backed paper for
telegraphs 27 x 39 cm.
sheet 100,000

108. Carbon-backed paper for
bookkeeping 35 x 48 cm.
sheet 100,000

939900 Other office supplies:

109. Rubberized sheets for dupli-
cating machines, 24 x 34 cm.
gross 500

110. Rubberized sheets for dupli-
cating machines, 31 x 42 cm.
gross 400

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Drawings referred to in this requisition are attached
to three copies of this Airgram.

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