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

219/9/TN.2-1765-250-ORD-7 Jan "43

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

10-7 Jan '43

10000/148/774

From: Jan-'43

SUPPLY POSITION SHEET

Requisition No: MBS-250-ORD - Dated: 7 January 1946

Item	Amount	Advice of Shipment	Arrival	Balance Due
1	lbs. 41,964		3 DWT	
2	" 588,468		24 DWT	
3	" 13,224		3 DWT	
4	" 1,456			
5	" 265			
6	" 8,595		5 DWT	
7	" 175,218		105 DWT	
8	" 22,591			
9	" 4,540			
10	" 5,600			
11	" 144,141			
12	Ea. 23,980		3 DWT	

346

33 NT

9	"	4,540
10	"	5,600
11	"	144,141
12	Ea.	23,980

C O P Y

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ALLIED FORCE HEADQUARTERS

LAC AIRGRAM 93, 7 January 1945

From : FHGEG (Concurred: FHGDS, FHQAE)

To : Combined Civil Affairs Committee,
3C-886 Pentagon Building,
Washington, D.C.

(15 copies)

Subject: TIRE/TUBE PRODUCTION MATERIAL FOR FIRELLI PLANT,
TIVOLI.

Requisition No: MGS-250-ORD.

Ship to : See Delivery Instructions below, for Transport-
ation Sub-Commission, Allied Commission.
(The serial number of each consignment must
include the letters TCG. Packages must be
marked with standard approved markings of green
dots on crossed white tape).

It is requested that the following items be approved,
allocated and procurement initiated; and that AFHQ cite FHGEG be
advised of action taken.

<u>Item No.</u>	<u>Article</u>	<u>Unit</u>	<u>Required</u>
1	<u>Rubber, Natural</u>	lbs.	41,964
2	<u>Rubber, Synthetic</u>	"	588,468
3	<u>Carbon, Black, National</u>	"	13,224
4	<u>Difenilguanidine</u>	"	1,456
5	<u>Ureka H. R.</u>	"	265
6	<u>Naftolen Z.D. (Gesell)</u>	"	8,595
7	<u>Fabric, rayon cord for carcasses 52/3 twisted threads, maximum load on threads 18.7C lbs.</u>		

0575

(The serial number of each consignment must include the letters TOG. Packages must be marked with standard approved markings of green dots on crossed white tape).

It is requested that the following items be approved, allocated and procurement initiated; and that AFHQ cite FHGEG be advised of action taken.

Item No.	Article	Unit	Required
1	<u>Rubber, Natural</u>	lbs.	41,964
2	<u>Rubber, Synthetic</u>	"	588,468
3	<u>Carbon, Black, National</u>	"	13,224
4	<u>Difenilguanidine</u>	"	1,456
5	<u>Ureka H. R.</u>	"	265
6	<u>Naftolen Z.D. (Gesell)</u>	"	8,595
7	<u>Fabric, rayon cord for carcasses 52/3 twisted threads, maximum load on threads 18.70 lbs., tensile strength 12%, 90 threads per 4 inches square.</u>	"	175,218
8	<u>Fabric, rayon cord, for external parts 52/3 twisted threads, maximum load on threads 18.70 lbs. tensile strength 12%, 70 threads per 4 inches square.</u>	"	22,591
9.	<u>Fabric, cotton, square light American cotton, warp 120 threads per 10.76 sq.ft. (sq.mt.), weight thickness (0.75 mm).03 in., weight 11. ounces per 10.76 sq. ft. tensile strength one ton warp, one ton web, warp stretching 30%, web 16%, composition of twisting 14/3.</u>	"	4,540

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<u>Item No.</u>	<u>Article</u>	<u>Unit:</u>	<u>Required</u>
10	Fabric, cotton, square, heavy, (same as item 9) but twisting 14/6 with corresponding strengths.	lbs.	5,600
11	<u>Benzin</u>	"	144,141
12	New Valve Stems, in sizes indicated, and suitable for new tire manufacture: 42 x 9, 38 x 9, 34 x 7, 32 x 6, 750 x 30	Ea.	23,980

DELIVERY: Ship to DUKO a. Durable items to arrive by 1 March 1945.
b. Perishable items to arrive in 6 monthly shipments beginning 1 March 1945.

BASIS : 1. Items requested on this requisition are for the production of tires and tubes in Italy, for a six-month period.

2. An extensive survey has been made of the Pirelli plant located at Tivoli, Rome Province. This plant was constructed in 1941, with a production capacity of 200 tires and 200 inner tubes per day, and miscellaneous other rubber products.

3. As a result of bombings the plant suffered considerable damage. However, on the initiative of the management, work of reconstructing the plant began in July 1944, and it is assured that the plant can be made ready for production during February 1945, provided certain materials and equipment are made available.

4. Materials necessary for repairing damaged buildings are available from local sources and will be utilized for this purpose.

1 MARCH 1945

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3. As a result of bombings the plant suffered considerable damage. However, on the initiative of the management, work of reconstructing the plant began in July 1944, and it is assured that the plant can be made ready for production during February 1945, provided certain materials and equipment are made available.

4. Materials necessary for repairing damaged buildings are available from local sources and will be utilized for this purpose.

5. A monthly schedule of production has been established which is as follows:

<u>Month</u>	<u>Tires</u>	<u>Tubes</u>
First	800	800
Second	2,500	2,500
Third	3,500	3,500
Fourth	5,000	5,000
Fifth	5,000	5,000
Sixth	5,000	5,000
Total	21,800	21,800

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6. An inventory has been made of raw materials stocks on hand necessary for production of tires and tubes. These stocks have been frozen awaiting for delivery of supplies on this requisition in order to commence production.

7. There are set forth in the Table below statistics showing the materials and quantities necessary for manufacturing tires and tubes as indicated in Paragraph 6 above and the quantities now on hand.

<u>Material</u>	<u>Total Requirements (Metric Tons)</u>	<u>Stocks on Hand (Metric Tons)</u>
Natural Rubber	22	3.38
Synthetic Rubber	275.15	8.25
Carbon Black American Active	5.40	60.
Carbon Black National	16.16	10.
Zinc Oxide	--	90.
Calcium Carbonate	6.14	0.40
Talc	32.70	--
Baryte	0.23	0.55
Caolin	--	4.
Sulphur (Super-Refined) 98/99%	10.02	--
Mercaptobenzotiazol	1.20	1.4
Mercapto Disulphide	--	0.65
Vulcacite A. Z.	--	1.10
Aldolalfanafilamine	--	2.26
Difenilguanidine	0.67	0.02
Esametilentetramine	--	0.04
Noezone D	--	5.
Ureka H R	0.19	0.7
Stearic Acid	6.72	2
Naftolen Z D (Naftolen Gesell)	9.56	5.7
Colophony	1.2	1.5
Buna 32 (Buna Werke) (Molecular Weight 32,000)	1.8	4.3
Coal Tar	--	1.3
Tar Oil	--	1.65
Norwegian Tar	--	0.09

Carbon Black American Active	16.16	90.
Carbon Black National	--	0.40
Zinc Oxide	6.14	--
Calcium Carbonate	32.70	0.55
Talc	0.23	4.
Baryte	--	--
Caolin	10.02	--
Sulphur (Super-Refined) 98/99%	1.20	1.4
Mercaptobenzotiazol	--	0.65
Mercapto Disulphide	--	1.10
Vulcacite A. Z.	--	2.26
Aldolalanaftilamine	--	0.02
Difenilguanidine	0.37	0.04
Esametilentetrammine	--	5.
Noezone D	--	0.7
Ureka H R	0.19	2
Stearic Acid	6.72	5.7
Naftolen Z D (Naftolen Gesell)	9.58	1.5
Colophony	1.2	4.3
Buna 32 (Buna Werke)	1.8	1.3
(Molecular Weight 32.000)	--	1.65
Coal Tar	--	0.09
Tar Oil	--	0.17
Norwegian Tar	--	0.47
Koresin (Conti S.A.)	0.08	0.60
Bitumen 80	0.04	0.45
Bitumen A Sor 140 (Bretner)	--	--
Paraffin	0.39	3.5
Dried Gas Tar	83.	2.5
Rayon Cord Fabrics for Carcasses	12.76	0.06
Rayon Cord Fabrics for External Parts	--	2.
Square Cotton Fabric, Light American	2.12	--
Cotton	4.54	--
Square Cotton Fabric, Heavy	65.40	--
Benzin	21.80	--
Benzol	--	--

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8. All items listed in Paragraph 7 except those for which procurement is requested are available locally. Sources of supply of the various items have been located and necessary procurement and transportation will be effected prior to initial production.

9. From equipment available, it is proposed to produce tires and tubes of the following sizes:

<u>Tires</u>	<u>Inner Tubes</u>
42 x 9	42 x 9
38 x 9	38 x 9
34 x 7	34 x 7
32 x 6	32 x 6
30 x 5	
750 x 20	750 x 20
600 x 20	
550 x 15	

10. The Tivoli Plant has sufficient fabricating equipment for the sizes listed in Paragraph 9 for a minimum of four months operation. However, it has been pointed out to the management that the following sizes are much more in demand and that effort should be made to produce them:

400 x 15	140 x 40	550 x 17
425 x 17	500 x 16	700 x 18
500 x 15	1275 x 20	210 x 20
600 x 16	350 x 19	270 x 20
600 x 18	15 x 45	1050 x 20
525 x 18	165 x 400	36 x 8

11. The Pirelli Company which operates the Tivoli plant has indicated that the sizes indicated in Paragraph 10 can be produced if it were possible to send a representative to their plant located at Manresa, near Barcelona, Spain, for the purpose of obtaining drawings and technical data with respect to fabrication of moulds in Italy.

600 x 20
550 x 15

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600 x 18	15 x 45	1050 x 20
525 x 18	165 x 400	36 x 8

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12. Application has been made for minimum essential electrical requirements. Assurance has been given that the necessary power will be made available.

13. It is estimated that 1,270 tons of coal will be required to carry on operations for six months. Sardinian coal is to be used for this purpose and arrangements are being made for transporting the necessary tonnage from Sardinia.

14. From the point of view of employment, the reactivation of this plant will result in more than 600 people being gainfully employed. It is expected to have the plant operating on a 24 hour basis within two weeks of receipt of supplies.

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15. It is planned to have the Pirelli Company assume the responsibility for reactivation and production of the Tivoli plant. The Allied Commission will supervise the allocation and prices of tires and tubes; as well as the supply of controlled and imported materials.

16. Reference is made to MGS-187-ORD. LAC AIRGRAM 58, dated 30 August 1944. A partial solution to the problem of internal transportation lies in the availability of tires and tubes. The production of tires and tubes locally will not only be beneficial to this end, but will also lessen the burden of importation, thereby bringing about a reduction in shipping.

17. The recommendation of the SAC Med. is that supply responsibility be divided on the basis of 50% U.S. and 50% UK.

RATING: TWO

LANDED COSTS: It is requested landed costs be despatched to arrive before receipt of shipment.

AGREED: M & TN

Information Copies to:

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