

WARTIME SUPPLIES FOR SOVIET UNION

*Washington protocol (second protocol) signed at Washington
October 6, 1942, with annexes*

Operative July 1, 1942, to June 30, 1943

Replaced by London protocol (third protocol) of October 19, 1943¹

Department of State, *Soviet Supply Protocols* (U.S. Government Printing Office, 1947), p. 13

SECOND PROTOCOL

The Government of the United States of America and the Government of the United Kingdom, desiring to continue their policy of full cooperation with the Government of the Union of Soviet Socialist Republics in the prosecution of the war against aggression,² and in such cooperation to provide the Soviet Union with the maximum assistance possible in the form of military supplies, raw materials, equipment and food, hereby in conjunction with the Government of the Union of Soviet Socialist Republics declare:

ARTICLE I

The signatory Governments formally adopt as a Second Protocol the "Proposed Second Protocol between the Union of Soviet Socialist Republics and the United States and Great Britain covering the period of July 1, 1942 to June 30, 1943", as transmitted by the President of the United States with the concurrence of the Prime Minister of the United Kingdom to the Vice President of the Council of People's Commissars and People's Commissar for Foreign Affairs of the Union of Soviet Socialist Republics on May 29, 1942, a copy of which Proposed Second Protocol is hereto appended and marked "Annex I", and accepted on behalf of the Soviet Government by identic notes dated July 7, 1942 addressed by the Ambassador of the Union of Soviet Socialist Republics in Washington to the Secretary of State of the United States and by the Ambassador of the Union of Soviet Socialist Republics in London to His Majesty's Principal Secretary of State for Foreign Affairs, a copy of which is appended hereto and marked "Annex II", and which Pro-

¹ *Post*, p. 785.

² For text of Moscow protocol (first protocol) signed Oct. 2, 1941, see *ante*, p. 688.

posed Second Protocol the signatory Governments have regarded as in effect since July 1, 1942.

ARTICLE II

The appropriate representatives of the three signatory Governments will continue with the formulation of detailed procurement and supply programs as contemplated in the Proposed Second Protocol with a view to their early completion and will make from time to time such adjustments and clarifications as may become necessary.

ARTICLE III

The Government of the United States and the Government of the United Kingdom have examined the requests of the Soviet Government with regard to supplies of aircraft, aluminum, cobalt and nickel beyond those provided in the Proposed Second Protocol, as expressed in paragraphs a, b, and c of Annex II appended hereto. The decisions so far reached by the competent authorities in regard to these requests are embodied in Annex III to this Protocol.

WASHINGTON
October 6, 1942.

SUMNER WELLES
R. I. CAMPBELL
MAXIM LITVINOFF

Annexes
I, II and III

ANNEX I

President Roosevelt to Commissar Molotov.

THE WHITE HOUSE
WASHINGTON

May 29, 1942

MY DEAR MR. MINISTER:

The heroic contribution of the Union of Soviet Socialist Republics to the common cause of civilization will forever be an inspiration to all free peoples. Your presence in the United States is a symbol of the unity of our cause and of our purpose.

The governments of the United States and of Great Britain desire further to cooperate with your nation in its valiant effort. In cooperation with the people of the Union of Soviet Socialist Republics and of the other United Nations, we are determined to eradicate for all time those forces which may at any time threaten the future peace of the world. We are most anxious to provide the maximum assistance possible in the form of military supplies, raw materials, equipment and food.

With the concurrence of the Prime Minister of Great Britain, I have the honor to submit to you herewith a statement of the resources our governments

are in a position to make available to the Union of Soviet Socialist Republics for the year July 1, 1942 to June 30, 1943.

Cordially and sincerely,

FRANKLIN D. ROOSEVELT

His Excellency

VYACHESLAV MOLOTOV,

Premier and Commissar for Foreign Affairs

of the Union of Soviet Socialist Republics.

Proposed Second Protocol Between The Union of Soviet Socialist Republics and The United States and Great Britain Covering the Period July 1, 1942 to June 30, 1943

1. The Governments of the United States and the United Kingdom have been giving the most serious consideration to the munitions of war which we can make available to the Soviet Government during the coming year. In addition to possible limitations due to the shortage of ships, the controlling factor by the northern route is the quantity of shipping that can be escorted to ports of discharge. The limiting factor by the southern route is inland transportation from Persian Gulf ports.

2. Our respective Governments will make available for despatch from the ports of the United States, United Kingdom and other countries during the period 1st July, 1942 to 30th June, 1943, approximately 3,300,000 short tons to the northern ports and 1,100,000 short tons to the Persian Gulf ports. In the circumstances mentioned in paragraph 1, it is our opinion that this is the highest practicable export programme from all sources at which we can now aim. Within the limits imposed from time to time by the factors mentioned, we will supply the shipping necessary to lift that part of this program for which U.S.S.R. ships cannot be made available.

3. The schedule of stores which the United States can make available has been drawn up in the light of the programme of requirements as submitted to the United States Government by the U.S.S.R. The schedule of stores offered by the United Kingdom has been drawn up on the assumption that Russia desires to continue to receive supplies on the scale agreed at the Moscow Conference. The stores listed in these two schedules amount to approximately 8,000,000 short tons.

4. It will be necessary for the Soviet Government to select from these schedules a programme of particular supplies and munitions of war for procurement and despatch, which will come within the amounts mentioned in paragraph 2. This programme should include all cargoes to be transported after 1st July, 1942, including protocol and non-protocol items either already on order or to be ordered.

5. It is to be understood this programme is subject to variations to meet unforeseen developments in the progress of the war. But you may be sure that every effort will be made to deliver the particular supplies which you designate.

6. The United States will be pleased to extend financial arrangements to cover its part of the proposed new protocol and all adjustments thereof. The United Kingdom financial arrangements will continue as at present, i. e. cash-credit agreement of 16th August, 1941, to cover civil supplies and Lend-Lease agreement now under negotiation to cover war-like supplies, the terms of which have been agreed in principle.

7. We, of course, stand ready through appropriate officials to discuss with your representatives in Washington all detailed questions pertaining to the schedules listed below and any reasonable adjustments that may be desired.

8. Above all, we want to assure you that we have a full understanding of the vital importance of your front and the urgent necessities of moving supplies to it in the highest possible volume and in the shortest space of time.

9. With this in mind, we shall be glad to review the programme from time to time to see if increased quantities of munitions can be provided and delivered.

SCHEDULE OF UNITED STATES STORES

The United States government undertakes to make available to the Union of Soviet Socialist Republics the following schedule of stores aggregating some 7,000,000 short tons valued at three billion dollars, of which there are 1,110,000 tons of military and naval equipment, armament and ammunition valued at two billion dollars, 1,800,000 tons of materials, machinery and industrial equipment worth four hundred million dollars and 4,300,000 tons of food products worth six hundred million dollars.

The following schedule has been prepared on the basis that any balances which may be due from the existing Protocol after June 30, 1942, are included, as well as all articles contained in the new Protocol for which requisitions have been previously approved with delivery scheduled after June 30, 1942. The schedules indicate availability at centers of production.

In the schedule, the item numbers and major classifications correspond to those in the U.S.S.R. Program of Requirements, submitted April 2, 1942. For certain items the amounts to be made available are indicated as combined offerings of the United States and the United Kingdom and appear as a combined figure in the schedules of both governments.

Group I. Armament and Military Equipment

Item 1.—Airplanes

Amount requested: 4,200

Airplanes will be supplied through October 1942 at an average rate of 100 pursuits, 100 light bombers, and 12 medium bombers per month. Commitments will be made for the balance of the year on the basis of developments incident to the progress of the war.

Item 2.—Tanks with Armament

Amount requested: 5,250

7,500 tanks with armament: First six months, 1,572 light and 1,428 medium tanks; second six months, 2,250 light and 2,250 medium tanks; all as nearly as possible in equal monthly installments.

Item 3.—Antiaircraft Guns, 90MM.

Amount requested: 204

204 90mm. antiaircraft guns, complete with ammunition, made available at the following rate: 8 per month for first quarter; 16 per month for second quarter; 20 per month for third quarter; 24 per month for fourth quarter. Auxiliary equipment will be provided in the same proportion as is made available to United States troops.

Items 4 and 6.—Antiaircraft Guns, 37MM., 45MM., 12.7-20MM.

Amount requested: 3,000—37mm. and 45mm.
360—12.7-20mm.

3,360 substitute units, 37mm., or twin 20mm. on self-propelled mount without director; to be furnished at following successive quarterly rates: 300, 720, 1020, 1320.

Item 5.—Anti-Tank Guns, 50-57MM. Complete With Ammunition

Amount requested: 2,100

1,900 57mm. at rate of 200 per month during period October through May, and 300 for June.

Items 7 and 8.—Machine Guns, Complete With Ammunition, .38 Cal. and Thompson Sub-Machine Guns. 45 Cal.

Amount requested: 120,000—.38 cal.
127,878—.45 cal.

240,000 at rate of 20,000 per month. No. .38 cal. in production.

NOTE. Ammunition for all weapons will be supplied in the same proportion as for United States troops, and, if practicable, in an amount equal to the accuracy life of weapons.

An effort will be made to provide spare parts as follows:

Spare engines	20 per cent
Spare propellers	20 per cent
Airplane spare parts	20 per cent of cost of plane
Engine spare parts	15 per cent of cost of engine
Propellor spare parts	15 percent of cost of propellor
Tank parts	1 year maintenance
Trucks	10 per cent of cost
Guns	6 months maintenance

Actual spare parts furnished will conform to a spare parts list which is based on experience.

Spare part production is lagging in the United States; and if actual deliveries are below the rates stated above, they will be made in the same proportion as for United States troops.

Item 9.—Scout Cars

Amount requested: 24,000

6,000 scout cars at rate of 500 per month and 18,000 jeeps at rate of 1,500 per month.

Item 10.—Trucks

Amount requested: 120,000

120,000 trucks at rate of 10,000 per month.

Item 11.—Field Telephones

Amount requested: 144,000

144,000 field telephones at rate of 12,000 per month, of which one-half will be sound powered.

Item 12.—Field Telephone Wire

Amount requested: 1,200,000 Km.

480,000 Km. of field telephone wire at 40,000 Km. per month.

Item 13.—Toluol and TNT

Amount requested: 36,000 short tons—Toluol
24,000 short tons—TNT

24,000 tons of toluol at rate of 2,000 tons per month and 24,000 tons of TNT at rate of 2,000 tons per month.

Item 14.—Nitroglycerin or Other Powder

Amount requested: 36,000 tons

Type and amount to be made available are subject to further negotiation.

Item 15.—Stereoscopic Observation Instruments for Artillery

Amount requested: 1,200 in 100 units

Not available.

Item 16.—Military Field Glasses

Amount requested: 3,000

Not available.

Item 17.—Motorcycles

Amount requested: 36,000

10,500 motorcycles, at rate of 500 per month July through September, and 1,000 per month thereafter.

Item 18.—Prime Movers for Artillery

Amount requested: 7,200

2,400 prime movers for artillery at rate of 200 per month, of which a part will have slow speed transmissions.

Item 19.—Toboggans (Motor Sleds)

Amount requested: 2,400

2,000 toboggans at rate of 200 per month September through June.

Item 20.—Radio Sets of Various Types

Amount requested: 12,000 units

11,500 radio sets of various types. Specific types are to be negotiated and to be made available at the following rates:

100 in July

1,100 in August and September

2,350 in October

2,475 in November

1,225 in December

525 each month from January to June, 1943.

Item 21.—Radio Locators of Various Types

Amount requested: 1,000

None available at this time. Type under development.

Item 22.—Radio Locators for Installation in Aircraft

Amount requested: 2,500

None available at this time. Type under development.

Item 23.—Radio Tubes

Amount requested: 2,000,000

2,000,000 radio tubes to be furnished on schedules to be arranged.

Item 24.—Generators, Gas-Driven

Amount requested: 10,000

10,000 gas driven generators to be furnished on schedules to be arranged.

To be supplied without tents.

Item 25.—Absolute Radio Altimeters

Amount requested: 2,500

No absolute radio altimeters available.

Item 26.—Radio Beacon, Blind Landing Equipment, and Homing Devices

Amount requested: 250 sets

None available.

Item 27.—Radio Direction Finders (Various Types)

Amount requested: 250 sets

150 sets of radio direction finders at rate of 50 per month November through January.

- Item 28.—Measuring and Test Equipment
 Amount requested: \$1,000,000 worth
 \$1,000,000 worth of measuring and test equipment on schedules to be arranged.
- Item 29.—Radio Repair Trucks for Field Use
 Amount requested: 250 units
 No radio repair trucks available.
- Item 30.—Dry Cells for Field Telephones
 Amount requested: 1,500,000
 1,500,000 dry cells for field telephones on schedules to be arranged.
- Item 31.—Dry Cell Batteries for Use With Radio Equipment
 Amount requested: 400,000
 400,000 dry cell batteries for use with radio equipment, on schedules to be arranged.
- Item 32.—Radio Components, Parts and Accessories
 Amount requested: \$500,000 worth
 \$500,000 worth of radio component parts and accessories for maintenance and repairs to be furnished on schedules to be arranged.
- Item 33.—Field Repair Shop, Light, for Tanks and Trucks
 Amount requested: 100 units
 No light field repair shop for tanks and truck available.
- Item 34.—Field Repair Shop for Brigade Tank Division
 Amount requested: 120 units
 90 units of field repair shops, each consisting of approximately 12 trucks, at rate of 10 units per month, October through June.

Group II. Various Material, Machinery & Industrial Equipment

- Item 1.—Marine Cable
 Amount requested: 1,200 Km.
 1,200 Km. in equal monthly installments.
- Item 2.—Submarine Cable
 Amount requested: 600 Km.
 600 Km. in equal monthly installments.
- Item 3.—Aluminum Ingot
 Amount requested: 48,000 short tons
 24,000 long tons in equal monthly installments.
- Duraluminum
 Amount requested: 18,000 short tons
 6,000 long tons in equal monthly installments.
- Item 4.—Nickel
 Amount requested: 9,600 short tons
 Combined United Kingdom and United States at rate of 600 short tons per month for first six months; subject to review for second six months. This amount includes nickel in all forms to be made available, including alloys with steel, nichrome wire, and other materials requiring nickel in the specifications, except finished munitions.
- Item 5.—Molybdenum
 Amount requested: 9,600 short tons
 4,000 short tons in equal monthly installments.
- Item 6.—Copper Electrolytic, Copper Reserve
 Amount requested: 36,000 short tons
 7,500 short tons
 Combined United Kingdom and United States, 120,000 long tons in equal monthly installments. This includes copper in all forms, including refinery shapes, brass and wire mill products, copper base alloys and copper content of finished products other than ammunition.
- Item 7.—Rolled Copper (Cartridge Brass, Etc.)
 Amount requested: 102,000 short tons
 102,000 short tons in equal monthly installments, subject to copper limitations indicated in Item 6.

Item 8.—Magnesium Alloys

Amount requested: 3,600 short tons

None available.

Item 9.—Zinc, High-Grade

Amount requested: 12,000 short tons

18,000 short tons in equal monthly installments, combined United Kingdom and United States.

Item 10.—Bimetal

Amount requested: 36,000 short tons

12,000 short tons in equal monthly installments, subject to copper limitation indicated in Item 6. Bimetal of types used for thermostats is unavailable.

Item 11.—Copper Goods and Tubes

Amount requested: 15,000 short tons

15,000 short tons in equal monthly installments, subject to copper limitation indicated in Item 6 above.

Item 12.—Ferrosilicon

Amount requested: 9,600 long tons

Combined United Kingdom and United States, 12,000 long tons in equal monthly installments.

Item 13.—Ferrochrome

Amount requested: 9,600 long tons

Combined United Kingdom and United States, 7,200 long tons in equal monthly installments.

Item 14.—Armor Plate

Amount requested: 48,000 long tons

12,000 long tons in equal monthly installments, provided types desired are available. Subject to nickel limitation indicated in Item 4.

Item 15.—Hard Alloys & Cutting Tools

Amount requested: \$9,000,000

\$9,000,000 worth to be furnished on schedules to be arranged. Subject to nickel limitation indicated in Item 4.

NOTE. Items 16–34 inclusive, as listed below, can be made available tentatively, but are all subject to specifications and sizes available in the United States and subject to nickel limitation indicated in Item 4.

Item 16.—Cold Drawn Steel Drill Rods

Amount requested: 960 long tons

120 long tons in equal monthly installments.

Item 17.—High Speed Steel

Amount requested: 6,000 long tons.

3,000 long tons in equal monthly installments.

Item 18.—Tool Steel

Amount requested: 24,000 long tons

10,200 long tons in equal monthly installments.

Item 19.—Cold Drawn Carbon & Alloy Steel Rods & Bars & Aircraft Steel

Amount requested: 168,000 long tons.

129,000 long tons in equal monthly installments.

Item 20.—Hot Rolled Steel (Carbon Alloy & Aircraft)

Amount requested: 150,000 long tons

96,000 long tons in equal monthly installments.

Item 21.—Chrome-Manganese Silicon Steel Billets

Amount requested: 120,000 long tons

84,000 long tons in equal monthly installments.

Item 22.—Cold Rolled Steel Sheet

Amount requested: 96,000 long tons

84,000 long tons in equal monthly installments.

Item 22-a.—Cold Rolled Steel Strip

Amount requested: 96,000 long tons

84,000 long tons in equal monthly installments.

- Item 23.—Stainless Steel
Amount requested: 10,800 long tons
3,000 long tons in equal monthly installments.
- Item 24.—Tinplate
Amount requested: 60,000 long tons
60,000 long tons in equal monthly installments.
- Item 25.—Steel Wire
Amount requested: 96,000 long tons
55,920 long tons in equal monthly installments.
- Item 26.—Steel Wire Rope
Amount required: 24,000 long tons
14,400 long tons in equal monthly installments.
- Item 27.—Steel Alloy Tubes
Amount requested: 36,000 long tons
21,600 long tons in equal monthly installments.
- Item 28.—Stainless Steel Wire
Amount requested: 1,200 long tons
360 long tons in equal monthly installments.
- Item 29.—Special Alloy Wire
Amount requested: 240 long tons
240 long tons in equal monthly installments.
- Item 30.—Nickel Chrome Wire
Amount requested: 480 long tons
480 long tons in equal monthly installments.
- Item 31.—Barbed Wire and Staples
Amount requested: 60,000 long tons
50,400 long tons in equal monthly installments.
- Item 32.—Steel Tubes
Amount requested: 350,000 long tons
252,000 long tons in equal monthly installments.
- Item 33.—Hot Rolled Steel & Plates Under $\frac{5}{8}$ " Thick & Under 72" Wide
Amount requested: 120,000 long tons.
96,000 long tons in equal monthly installments.
- Item 34.—Bolts, Nuts, etc.
Amount requested: 12,000 long tons
12,000 long tons in equal monthly installments.
- Item 35.—Other Metals and Steel Products
Amount requested: \$10,000,000
Fulfillment depends upon specifications.
- Item 36.—Phenol
Amount requested: 18,000 short tons
12,000 short tons in equal monthly installments.
- Item 37.—Petroleum Products
Amount requested: 240,000 short tons
240,000 short tons in equal monthly installments.
Types and schedules to be arranged.
- Item 38.—Ethylene Glycol
Amount requested: 2,400 short tons
2,400 short tons in equal monthly installments.
- Item 39.—Sodium Bromide
Amount requested: 2,400 short tons
1,800 short tons in equal monthly installments.
- Item 40.—Phosphorus
Amount requested: 2,400 short tons
2,400 short tons in equal monthly installments.
- Item 41.—Dibutyl Phthalate
Amount requested: 3,600 short tons
3,600 short tons in equal monthly installments.

- Item 42.—Dimethylaniline
Amount requested: 3,600 short tons
3,000 short tons in equal monthly installments.
- Item 43.—Diphenylamine
Amount requested: 3,600 short tons
1,800 short tons in equal monthly installments.
- Item 44.—Colloxylin
Amount requested: 4,800 short tons
4,800 short tons in equal monthly installments.
- Item 45.—Methanol
Amount requested: 12,000 short tons
12,000 short tons in equal monthly installments.
- Item 46.—Urotropine
Amount requested: 7,200 short tons
4,600 short tons; 300 in July and August, and 400 per month thereafter.
- Item 47.—Hexagen
Amount requested: 6,000 short tons
None available.
- Item 48.—Ammonia Chloride
Amount requested: 4,800 short tons
4,800 short tons in equal monthly installments.
- Item 49.—Mercury (Metallic)
Amount requested: 300 short tons
300 short tons in equal monthly installments.
- Item 50.—Potassium Nitrate
Amount requested: 3,600 short tons
3,600 short tons in equal monthly installments.
- Item 51.—Ammonium Cyanide
Amount requested: 3 short tons
3 short tons in equal monthly installments.
- Item 52.—Centralite
Amount requested: 600 short tons
600 short tons in equal monthly installments.
- Item 53.—Resarin (Resorcinol)
Amount requested: 120 short tons
120 short tons in equal monthly installments.
- Item 54.—Barium Peroxide
Amount requested: 300 short tons
300 short tons in equal monthly installments.
- Item 55.—Strontium (S. Oxilate)
Amount requested: 96 short tons
96 short tons in equal monthly installments.
- Item 56.—Rodalite (Rhodamine B)
Amount requested: 6 short tons
6 short tons in equal monthly installments.
- Item 57.—Torium (T. Nitrate)
Amount requested: 3 short tons
3 short tons in equal monthly installments.
- Item 58.—Cerium (C. Chloride)
Amount requested: 18 short tons
18 short tons in equal monthly installments.
- Item 59.—Cresol
Amount requested: 1,200 short tons
1,200 short tons in equal monthly installments.
- Item 60.—Potassium Sulphate
Amount requested: 1,800 short tons
1,800 short tons in equal monthly installments.

- Item 61.—Anthracene
 Amount requested: 3,600 short tons
 None available.
- Items 62, 63, 64, 65, and 68^{3 4}
 Machine tools: Amount requested: 21,000 each.
 Electric Furnaces: Amount requested: 600 each.
 Forging Presses & Hammers: Amount requested: \$48,000,000 worth.
 Various Industrial Equipment: Amount requested: \$36,000,000 worth.
 Graphite Electrodes: Amount requested: 6,000 long tons.
- Item 66.—Industrial Diamonds
 Amount requested: \$1,800,000 worth.
 None available in the United States.
- Item 67.—Abrasives
 Amount requested: \$6,000,000 worth.
 \$3,600,000 worth in equal monthly installments.
- Item 69.—Bearings
 Amount requested: 8,500,000.
 Supply depends upon specific sizes.
- Item 70.—Balls and Rollers
 Amount requested: 28,000,000.
 28,000,000 in equal monthly installments, provided sizes are spread generally through the range of American production.
- Item 71.—Sole Leather
 Amount requested: 18,000 short tons.
 No sole leather available except as included in finished shoes.
- Item 72.—Army Boots
 Amount requested: 4,800,000 pairs.
 2,400,000 pairs of army shoes at rate of 200,000 pairs per month.
- Item 73.—Army Cloth
 Amount requested: 18,000,000 yards.
 18,000,000 yards of army cloth at monthly rate of 1,500,000 yards, in ratio of 60 per cent for overcoating and 40 per cent for suiting.

³ NOTE: Will be made available in quantities totaling an aggregate value of 150 million dollars, the amount and type of the specific items to be arranged at the earliest possible date and subject to limitations on copper and nickel. [Footnote in original.]

⁴ The following letter, dated July 7, 1942, from W. L. Batt, Chairman of the Requirements Committee, to Maj. Gen. A. I. Belyaev, Chairman of the Soviet Purchasing Commission, explains the Item 68.

“DEAR GENERAL BELYAEV:

“I wish to call your attention to an error in the proposed second Protocol. Under Group II, Item 68 has been incorporated with Items 62, 63, 64, and 65, with the qualifying statement that within a specified aggregate value the quantity and types of the specific items will be arranged at an early date, subject to limitations on copper and nickel. Item 68 refers to graphite electrodes, which, of course, contain neither copper nor nickel.

“Item 68—Graphite Electrodes should not have been included with these other items and its inclusion in this place was the result of a clerical error. Actually, it was our intention to offer a total of 4800 long tons of graphite electrodes to be made available during the twelve months' period of the Protocol in equal monthly installments. I wish you would therefore make a corresponding change in the program as presented to you and notify the members of your Commission concerned with this subject.

“Sincerely yours,

[Footnote in original.]

W. L. BATT
 Chairman”

- Item 74.—Electrical Power Cables
Amount requested: 12,000 Km.
12,000 Km. in equal monthly installments, subject to copper limitation indicated in Item 6.
- Item 75.—Webbing
Amount requested: 36,000,000 yards.
36,000,000 yards of tubular type webbing at 3,000,000 yards per month. No other type available.
- Item 76.—Tarpaulin
Amount requested: 24,000,000 yards.
None available.
- Item 77.—Vistanex (Molecular Wt. 60)
Amount requested: 300 short tons.
None available until the spring of 1943. The amount available will depend upon the development of the U.S. synthetic rubber program.
- Item 78.—Tires and Tubes.
Amount requested: 1,800,000 sets.
Combined United Kingdom and United States, 36,000 long tons of rubber in all forms, including tires and tubes, in equal monthly installments; in addition, 2,000 long tons per month from Ceylon as long as that source is open.
- Item 79.—High Pressure Hose:
Amount requested: 1,000,000 meters.
- Item 80.—Sheet Fiber:
Amount requested: 3,600 tons.
- Item 81.—Shock Absorber Cord:
Amount requested: 60,000 meters.
No commitments can be made until further specifications are received.
- Item 82.—Metallic Cloth and Screen
Amount requested: 1,000,000 square meters.
1,000,000 square meters in equal monthly installments, subject to copper limitations as stated in Item 6.
- Item 83.—Condenser Paper (Radio)
Amount requested: 240 short tons
240 short tons in equal monthly installments.
- Item 84.—Miscellaneous Emergency Material
Amount requested: \$60,000,000 worth
Depends upon further specifications.

Group III. Equipment and Materials for Specific Industries

A. Equipment and Materials for Railroads

Under this category the U.S.S.R. have requested 21 general items and 55 specific items. With the exceptions of the items set forth below, the items requested include large amounts of critical materials and critically scarce tools, cranes and other heavy machinery. It may be possible to supply a few units of some of the items upon receipt of specifications as to sizes and types. No commitment or recommendation can be made at this time, except as follows:

	<i>Requested</i>	<i>Recommended</i>
Rails	240,000 long tons	216,000 long tons
Wheels	36,000 sets	12,000 sets
Axles	60,000 units	54,000 units

It is believed that the foregoing can be made available in equal monthly installments at one-twelfth of the annual rate. For a list of all items see *Program of Requirements* submitted by the U.S.S.R.

B. Equipment and Materials for Iron and Steel Industry

Under this category the U.S.S.R. have requested 191 items for blast and open hearth furnaces, Bessemer converters, coke oven batteries, rolling mills, turbo generator units,

boiler installations, and turbo blowers. The value of the requests has been estimated by the U.S.S.R. at \$180,000,000 as opposed to a U.S. estimate of approximately \$1,000,000,000. The requested equipment approximately duplicates that required for the American steel expansion program now under way.

Production of any substantial part of the request could not be effected without abandoning our own steel expansion program. Consequently, the requests cannot be filled. For a list of individual items see *Program of Requirements* submitted by the U.S.S.R.

C. Equipment for Petroleum Industry⁵

Under this category the U.S.S.R. have requested 10,000 tons of steel pipe and 16 items of drilling equipment and fittings. Many of the items requested are critical factors in the expansion of 100 octane and synthetic rubber production in the United States. The Petroleum Coordinator recommends that the requests not be fulfilled. For a list of all items see *Program of Requirements* submitted by the U.S.S.R. Certain items which will not interfere with the 100 octane and synthetic rubber programs may be made available upon receipt of definite specifications. Some used refining equipment in good condition is available.

Group IV. Food Products

Item 1.—Wheat and Flour

Amount requested: 2,400,000 tons
2,400,000 tons in equal monthly installments.

Item 2.—Sugar

Amount requested: 840,000 tons
840,000 tons in equal monthly installments.

Item 3.—Canned Meat Products

Amount requested: 120,000 tons
120,000 tons in equal monthly installments.

Item 4.—Meat

Amount requested: 180,000 tons
180,000 tons in equal monthly installments.

Item 5.—Lard

Amount requested: 144,000 tons
144,000 tons in equal monthly installments.

Item 6.—Vegetable Oil

Amount requested: 120,000 tons
120,000 tons in equal monthly installments.

Item 7.—Soap Stock

Amount requested: 60,000 tons
60,000 tons in equal monthly installments.

Group V. Medical Supplies

Amount requested: \$13,813,966 worth

Approximately \$12,000,000 worth of medical supplies in approximately equal monthly installments and substantially in accordance with request but with the understanding that items and quantities thereof must be arranged with appropriate United States Agency.

⁵ At the request of Mr. W. D. Crampton, official of the Office of Petroleum Coordinator, a letter was sent to General Belyaev on Sept. 9, 1942 correcting paragraph C as follows:

"Under this category, the U.S.S.R. has requested 10,000 tons of steel pipe and 16 items of drilling equipment and fittings. We will supply you with this material upon agreement of definite specifications permitting the procurement of the material." [Footnote in original.]

[Group VI.] Naval Stores

In addition to the above listed items requested by the Government of the U.S.S.R., the Government of the United States undertakes to make available certain diesel engines, gasoline engines, storage batteries for submarines, guns and ammunition to arm U.S.S.R. merchant vessels and mine sweepers or patrol craft.

These items can be made available at the following rates:

Diesel Engines

506 diesel engines, varying from 170 to 1600 horsepower in the following quantities: 122 of 170 HP; 200 of 250 HP; 48 of 600 HP; 130 of 1200 HP; 6 of 1600 HP.

These diesel engines can be made available at the following rates:

June	4	January, 1943	46
July	16	February	46
August	20	March	51
September	24	April	51
October	44	May	56
November	46	June	56
December	46		

Gasoline Engines

2,170 gasoline engines from 50 to 1200 HP in the following quantities: 1500 of 50-120 HP; 120 of 900 HP; 550 of 1200 HP.

These gasoline engines can be made available at the following rate:

July	100	January 1943	215
August	150	February	215
September	150	March	215
October	150	April	220
November	150	May	220
December	165	June	220

Storage Batteries for Submarines

12 storage batteries for submarines at the rate of one per month.

Naval Armament and Ammunition

Sufficient guns and ammunition can be made available to arm U.S.S.R. merchant vessels with one 3-inch double purpose gun and two machine guns together with ammunition, as such ships become available for arming.

Mine Sweepers or Patrol Craft

10 mine sweepers or patrol craft can be delivered during April, May and June, 1943.

[Group VII.] Electric Power Generating Equipment

The Government of the United States further undertakes to make available stationary and mobile power generating equipment of types to be arranged. Some used power generating equipment in good condition is available at the present time.

UNITED KINGDOM SCHEDULE OF STORES

The United Kingdom Government undertakes to make available to the Union of Soviet Socialist Republics the following schedule of stores from the period starting July 1, 1942 to June 30, 1943. For certain items the amounts to be made available are indicated as combined offerings of the United States and the United Kingdom, and appear as a combined figure in the schedules of both Governments.

A. Military Supplies

Item 1.—Aircraft.

200 fighters monthly for last six months of 1942. The U.K. Government cannot at present undertake to increase the present quota of 200 aircraft a month, but the existing quota rates will be continued to the end of the year. The U.K. Government cannot foresee the situation beyond the end of 1942, and its ability to continue or increase supplies of fighters will depend upon the results of the intensified air fighting in the West of Europe during the present year.

Item 2.—Tanks

250 monthly, until December 31, 1942. It is hoped that a combined offer of 1,000 monthly can be made by a joint commitment from the U.S. and U.K. for the first 6 months of 1943. Basis of allocation to be decided at a later date.

Item 3.—Anti-Tank Guns

50 2-pdr. monthly with ammunition. 50 6-pdr. monthly with ammunition.

Item 4.—Anti-Tank Rifles

300 monthly with ammunition.

Item 5.—Bren Carriers

200 monthly with weapons.

B. Naval Supplies

Certain naval supplies have been promised since Protocol and these promises will be fulfilled. Quantities falling within period after June, 1942 until completed are:

Item 1.—Oerlikons

50 monthly with ammunition.

Item 2.—3" HA/LA or 12-PDR. Guns With Ammunition

10 monthly until requirements are met.

Item 3.—Submarine Storage Batteries

20 to complete total of 32.

Item 4.—103mm Complete Barrels

8, plus one spare barrel per gun per month starting in August.

C. Raw Materials

(Figures in long-tons monthly except where otherwise stated.)

Item 1.—Aluminum

2,000 tons monthly, July, August, September, subject to reconsideration end of September. U.S. offer of 24,000 long tons in equal monthly installments remains unchanged.

Item 2.—Tin

750 tons monthly (adjustments dependent upon decisions arrived at by the Combined Raw Materials Board, less any amounts over 9,000 received by U.S.S.R. from China.)

Item 3.—Nickel

Combined United Kingdom and United States at rate of 600 short tons per month for first 6 months; subject to review for second 6 months. This amount includes nickel in all forms to be made available, including alloys with steel, nichrome wire, and other materials, requiring nickel in the specifications, except finished munitions.

Item 4.—Lead

3,500 tons monthly dependent upon cancellation of unshipped amounts under the First Protocol and upon shipping conditions.

Item 5.—Copper

Combined United Kingdom and United States, 120,000 long tons in equal monthly installments. This includes copper in all forms, including refinery shapes, brass and wire mill products, copper base alloys and copper content of finished products other than ammunition.

Item 6.—Zinc, High Grade

Combined United Kingdom and United States 18,000 short tons in equal monthly installments.

- Item 7.—Industrial Diamonds
\$150,000 monthly.
- Item 8.—Ferrosilicon
Combined United Kingdom and United States, 12,000 long tons in equal monthly installments.
- Item 9.—Ferrochrome
Combined United Kingdom and United States, 7,200 long tons in equal monthly installments.
- Item 10.—Silver Steel
50 tons per month.
- Item 11.—Graphite
100 tons per month, dependent upon local conditions in Ceylon.
- Item 12.—Rubber
Combined United Kingdom and United States, 36,000 long tons of rubber in all forms including tires and tubes in equal monthly installments. In addition, 2,000 long tons per month from Ceylon as long as that source is open.
- Item 13.—Jute
4,000 tons per month, dependent upon Indian conditions.
- Item 14.—Shellac
300 tons per month dependent upon Indian conditions.
- Item 15.—Wool
2,000 tons per month from New Zealand dependent upon shipping conditions.

D. Food

The only quantities of food which it will be possible for the United Kingdom to make available to the U.S.S.R. will be food which it would be possible to use for filling capacity for bottom cargo and broken stowage in ships carrying tanks and aircraft.

Letter of Transmittal

THE WHITE HOUSE
WASHINGTON

OCTOBER 2, 1942

Maj. Gen. A. I. BELYAEV
Chairman, Soviet Government Purchasing Commission
Washington, D.C.

MY DEAR GENERAL BELYAEV:

I am attaching hereto "The Conference Report on the Production Program for Groups II, III, and VII of the Schedule of United States Stores in the Proposed Second Protocol Between the U.S.A., the U.S.S.R., and Great Britain."

This report has been agreed to by appropriate representatives of the Soviet Government and of the United States Government and therefore becomes a definite part of the United States commitments under the Second Protocol.

Sincerely yours,

HARRY L. HOPKINS
Special Assistant to the President

Attachment

[ENCLOSURE]

CONFERENCE REPORT

Conference Report on the Production Program for Groups II, III & VII of the Schedule of United States Stores in the Proposed Second Protocol Between the U.S.A., the U.S.S.R. and Great Britain

- Pursuant to the request of the USSR Government for clarification and adjustment of several items within Groups II, III and VII of the Proposed Second Protocol, representatives of the United States Government and the Government Purchasing Commission of the Soviet Union in the U.S.A., after discussion and consideration of requisitions submitted up to August 15, 1942, reached decisions regarding the items under consideration in accordance with the attached schedule.

In general the revised offerings of the United States involve an increase in the total tonnage of the three groups here involved from approximately 2,269,000 short tons to approximately 2,830,000 short tons—an increase of some 560,000 short tons. This additional tonnage is accounted for by substantial increases in the tonnages of chemicals, industrial equipment, railroad materials, power generating equipment and petroleum refineries. In addition, while the total tonnage of the steel program now offered does not differ substantially from the total tonnage of the original offer, the composition of this program has been substantially altered in an attempt to provide the USSR with additional quantities of certain urgently required but critically scarce types of steel products.

The revised offer which is now proposed is regarded as the total production program to be undertaken by the United States for Groups II, III and VII for the USSR during the year July 1, 1942 to July 1, 1943.

WASHINGTON, D. C.

October 2, 1942

Approved for the United States Government

HARRY L. HOPKINS
Special Assistant to the President

SEPTEMBER 19, 1942.

U.S.S.R. Aid Program for Period July 1, 1942 to June 30, 1943

(1) Original Second Protocol Offerings, (2) Proposed Second Protocol Commitments, (3) "Debits" against Second Protocol as of August 15, 1942, and (4) "Credits" under Second Protocol as of August 15, 1942; For material, machinery and industrial equipment items (Protocol Groups I, III, and VII).¹

[Short tons²]

Second Protocol Item No.	Item	Original Second Protocol Offerings (1)	Proposed Second Protocol Commitments ³ (2)	"Debits" against Second Protocol as of AUG. 15, 1942 ⁴ (3)	"Credits" under Second Protocol as of AUG. 15, 1942 ⁵ (2 minus 3) (4)	Remarks
GROUP II						
1	Marine cable.....	2,570	3,440	3,440	0	Commitment (Col. 2) includes 300 S. T. carry-over as of June 30, 1942 under special arrangement with W. P. B. Commitment (Col. 2) includes 3,440 S. T. carry-over as of June 30, 1942 under special arrangement with W. P. B.
2	Submarine cable.....	2,700	3,653	3,653	0	
3	Aluminum ingots.....	26,880	27,180	14,475	12,705	
3A	Duraluminum.....	6,720	9,510	9,100	350	
4	Nickel.....	3,600	3,600	1,548	2,052	Nickel commitment (Col. 2) is for the six months period July-Dec. 1942 only; includes nickel in all forms except finished military stores. Pursuant to the request of the U.S.S.R., further study is being given to the possibility of increasing the supply of nickel to the U.S.S.R.
5	Molybdenum.....	4,000	4,000	3,964	36	Copper commitment (Col. 2) is for copper in all forms except finished military stores; since entire copper commitment is approximately taken up in goods containing copper, the committed tonnage is not added into totals.
6	Copper electrolytic.....	(134,400)	(134,400)	(Incl. in other items.)	(Incl. in other items.)	
7	Rolled copper (cartridge brass, etc.)....	102,000	109,411	109,411	0	

See footnotes at end of table.

In accordance with the original offer of a total of 146,152 S.T. for item 19, the United States will undertake to make a further study of the possibility of meeting the U.S.S.R. request for 25,000 tons of material under item 19-F. In the event that the United States is unable to meet this request, it will further study the possibility of supplying an additional 25,000 tons of cold drawn steel of some other type than that indicated under item 19-F. To the extent that it is possible to meet these requests the total charges of 57,146 tons, shown in col. 4, will be correspondingly reduced.

To be composed as follows: 4,632 S.T. high alloy steel—Grade EI-69; 8,060 S.T. alloy—AISI-3316; 16,800 S.T. alloy—AISI-4320; 24,640 S.T. chromium ball bearing steel; 19,936 S.T. other non-ferrous alloy steel; 6,720 S.T. chromium and chrome molybdenum construction steel. In addition, the U.S. will further study the possibility of meeting the U.S.S.R. request for an additional 25,872 S.T. of alloy—AISI-3316, or a suitable substitute.

Includes 19,040 S.T. representing deficiency as of June 30, 1942, promised for delivery during July-September, 1942.

Includes 1,780 S.T. of metallic bolt link strip.

19	A B C D E F G	Cold finished bars: Bessemer 2 1/2" to 3" Bessemer 3" to 4" Basic O. H. high carbon (bullet core) F.Xs 318—revision 2 Electric and B. O. H. alloy Other alloy O. H. steel, and as 30X GCA, AISI-3316, AISI-4320, ball bearing steel, etc. Other cold drawn bars—SAB-1015 to 1050.	20,880 80,640 20,880 5,378 5,378 0 0	145,152	5,378 80,640 0 5,378 5,378 0 20,100	116,923	174,074	-57,146
20	A B	Hot rolled aircraft steel: Electric B. O. H.	20,880 80,640	107,520	20,880 80,640	107,520	78,463	20,057
21		CR.-SI.-MN. billets.	94,080		113,120		100,044	13,076
22	A B C D E F G	Cold rolled sheets—12 G.A. and lighter. Cold rolled strip: 35 carbon and under Other 25 carbon Other cold rolled strip Sheet steel: A B C D E F G In plate.	94,080 94,080 40,320 83,760 0 1,344 972 1,344 07,200	94,080	94,080 81,600 23,520 8,960 2,240 323 705 07,200	94,080	38,097 131,325 2,788 22,253	55,983 -37,245 572 44,947

See footnotes at end of table.

U.S.S.R. Aid Program for Period July 1, 1942 to June 30, 1943—Continued

[Short tons]

Second Protocol Item No.	Item	Original Second Protocol Offerings (1)	Proposed Second Protocol Commitments (2)	"Debits" against Second Protocol as of Aug. 15, 1942 (3)	"Credits" under Second Protocol as of Aug. 15, 1942 (2 minus 3) (4)	Remarks
25	Steel wire:					
A	Ball wire.....	1,344	1,344			
B	Alloy ASTM 232.....	1,344	1,344			
C	Alloy 4140.....	1,344	1,344			
D	Music wire.....	8,064	11,735			
E	Spring wire.....	8,064	11,732			
F	Rope wire.....	6,268	10,930			
G	Card wire.....	4,032	4,032			
H	Electric welding wire.....	20,880	20,880			
I	Galv. Tel. & Tel. wire.....	4,704	4,704			
J	Low carbon.....	4,209	4,209			
K	Square wire.....	209	209			
L	Tinned wire.....	0	0			
26	Wire rope:					
A	Aircraft cord & rope.....	16,128	3,360			
B	Other wire rope.....	0	13,868			
27	Steel alloy tubes:					
A	18% Cr.—8% Ni.....	1,344	1,344			
B	4—6% Cr.....	3,360	14,112			
C	Carbon with .5% moly.....	13,440	672			
	Pipe sizes.....	2,016	2,088			
	Hot drawn tube.....	4,032	0			
	Hot finished tube.....	0	5,200			
D	H. R. Cr. ball bearing tube of 2" to 7" dia.....	403	403			
28	Stainless steel wire.....	271	271			
29	Special alloy wire:					
A	High Ni.....	242	242			
B	Other.....	538	538			
30	Nickel-chrome wire.....	53,760	53,760			
31	Barbed wire.....	2,088	2,088			
31A	Barbed wire staples.....	0	66,448			
		62,031	73,909	57,523	16,470	For Items 25-D and 25-E: Music wire and spring wire commitments include 3,688 S.T., each which represent deficiencies as of June 30, 1942, promised to be made up during this fiscal year.
		10,128	17,248	19,008	-2,450	Proposed aircraft cord commitment includes 1,120 S.T. deficiency as of June 30, 1942, promised to be made up during July-September, 1943.
		24,102	24,016	32,661	-8,645	
		209	209	118	285	
		0	0	2	207	
		0	0	201	247	
		0	0	22,930	33,618	

	26,880	382,240	257,600	140,585	108,035
32 A Pipe and tubing:					
Welded pressure & mechanical tubing.....	26,880				
Stainless pressure & mech. tubing (old drawn pressure & mech. tubing).....	20,160				
Hot finished pressure & mech. tubing.....	6,720				
Electric weld casing.....	13,448				
Electric weld line pipe.....	20,880				
Seamless casing.....	53,760				
Seamless line pipe.....	20,880				
Seamless drill pipe.....	53,760				
Seamless oil well tubing.....	20,880				
33 A Hot rolled:					
Sheets.....	53,760				
Galvanized roofing sheets.....	3,240				
Plates.....	53,760				
I. K. bars & bar mill shapes.....	73,530				
Structural shapes.....	13,740				
Other metals & steel products.....	13,440				
34 Bolt, nuts, rivets, nails & clinch.....	0				
35 Other metals & steel products.....	12,000				
36 Petroleum products.....	240,000				
37 Ethylene glycol.....	2,400				
38 Sodium bromide.....	1,800				
39 Phosphorus.....	2,400				
40 Dibutyl phthalate.....	3,600				
41 Dimethylamine.....	1,800				
42 Colloxylin.....	4,800				
43 Methanol.....	12,000				
44 Protophine.....	4,600				
45 Hexogen.....	4,800				
46 Ammonia chloride.....	3,600				
47 Potassium nitrate.....	3,600				
48 Ammonium cyanide.....	3				
49 Centralite.....	600				
50 Resorin (resoreinol).....	120				
51 Barium peroxide.....	300				
52 Ironidiam (S. oxidate).....	96				
53 Rodalite (rhodamine B).....	6				
54 Potium (I. nitrate).....	3				
55 Cerium (C. chloride).....	18				
56 Cresol.....	1,200				
57 Potassium sulphate.....	1,800				
58 Anthracene.....	0				

See footnotes at end of table.

In the event the U.S.S.R. wishes to take additional material under Item 32-A (up to a total of 20,880 s.t.) or Item 32-D (up to a total of 13,440 s.t.), the U.S. will undertake to make this additional tonnage available upon a corresponding reduction of the tonnage to be delivered under other steel items (Items 16 to 30).

Amount requested: \$10,000,000 fulfillment depends upon specifications.

	12,295	18,645	1,045	108,570	1,045
	-2,200	13,445	-1,045	108,570	-1,045
	2,200	4,652	-2,423	-2,423	2,200
		1,958	-135	1,958	-135
		2,388	-188	2,388	-188
		4,084	-484	4,084	-484
		3,469	-469	3,469	-469
		1,870	-70	1,870	-70
		4,915	-115	4,915	-115
		13,817	-1,817	13,817	-1,817
		8,965	-4,305	8,965	-4,305
		0	0	0	0
		4,800	0	4,800	0
		3,600	0	3,600	0
		3,600	0	3,600	0
		3	0	3	0
		600	0	600	0
		120	0	120	0
		300	0	300	0
		96	1	96	1
		6	0	6	0
		3	-3	3	-3
		18	0	18	0
		1,200	1,581	1,200	1,581
		1,800	1,800	1,800	1,800
		0	22	0	22

U.S.S.R. Aid Program for Period July 1, 1942 to June 30, 1943—Continued

(Short tons ²)

Second Protocol Item No.	Item	Original Second Protocol Offerings (1)	Proposed Second Protocol Commitments ³ (2)	"Debits" against Second Protocol as of Aug. 15, 1942 ⁴ (3)	"Credits" under Second Protocol as of Aug. 15, 1942 ⁵ (3 minus 3) (4)	Remarks
61A	Other chemicals.....	0	60,000	18,602	41,398	The additional 60,000 S.T. of chemicals here offered under items 36, 38 to 61A, inclusive, is designed to make allowance for the considerable volume of additional requests which the U.S.S.R. will need to make. The particular chemicals and quantities to be made available within this 60,000 tons must depend upon the supply situation prevailing at the time particular requests are made. The United States will undertake to use its best efforts to secure delivery of machine tools, electric furnaces, forging presses and hammers and various industrial equipment (Items 62 to 66 inclusive) to the total value of approximately \$315,000,000 representing approximately 205,000 short tons. This represents the total quantity of these items actually requisitioned by the U.S.S.R. through August 15, 1942 less the quantities exported prior to June 30, 1942 and less the quantities scheduled for delivery subsequent to June 30. Of this total the United States definitely undertakes to make deliveries of equipment valued at approximately \$150,000,000. With respect to the balance of \$165,000,000 worth of equipment, the United States can not give definite assurance of full deliveries prior to June 30, 1943, but will use its best efforts to effect such deliveries.
62	Machine tools.....	126,000	263,400 (\$314,360,000) (See Remarks)	90,983	0	
63	Electric furnaces.....			6,123	0	
64	Forging presses & hammers.....			79,663	0	
65	Various industrial equipment.....			86,731	0	

To the extent that the U.S.S.R. has other urgent requests for fabricated equipment, such requests will be considered in the light of the current position of the United States with respect to critical materials and productive facilities and the acceptance of requisitions for any such further quantities of equipment will depend upon a corresponding reduction of similar items already under requisition.

The U.S.S.R. has requested 8,600,000 bearings. The U.S. has agreed to supply bearings to the U.S.S.R. to the extent of its capacity to do so. The amounts and sizes must depend upon the specific sizes required.

The United States will make available to the U.S.S.R. a total of 1,867 s.t. of leather per month commencing in October or a total of 18,670 s.t. for the period July 1, 1942 to June 30, 1943 exclusive of any stocks on hand as of July 1, 1942. The composition of the 1,867 s.t. per month shall be as follows: *Sole leather* from the U.S., 560 s.t. made up of benders, strips, and out soles of both finders and manufacturers' leather, 110 s.t. from Canada and 110 s.t. from Brazil; *Upper leather* (army retan): 480 s.t. from the U.S., 44 s.t. from Brazil and 33 s.t. from Cuba; *Inner sole leather*: 840 s.t. from South America. The portions of sole leather, upper leather and inner sole leather indicated above to be furnished from South American countries are dependent upon the availability of shipping from those countries and the United States' undertaking to supply leather is dependent upon the availability of such shipping.

07	Abrasives.....	4,560	(\$3,600,000)	5,000 (\$4,000,000)	4,331 (\$3,405,000)	660 (\$53,000)
08	Graphite electrodes.....	5,373		5,840	7,280	-9,540
09	Bearings.....	0		0	1,264	-1,264
70	Balls & rollers.....	150	(38,000,000 units)	150	38	112
71	Shoe leather.....	0		18,670	21,570	-2,900
72	Army boots.....	4,800	(2,400,000 pairs)	4,800	2,484	2,308
73	Army cloth.....	17,550	(18,000,000 yds.)	17,550	8,393	9,167

See footnotes at end of table.

U.S.S.R. Aid Program for Period July 1, 1942 to June 30, 1943—Continued
 [Short tons †]

Second Protocol Item No.	Item	Original Second Protocol Offerings (1)	Proposed Second Protocol Commitments ² (2)	"Debts" against Second Protocol as of Aug. 15, 1942 ⁴ (3)	"Credits" under Second Protocol as of Aug. 15, 1942 ³ (2 minus 3) (4)	Remarks
74	Electric power cable.....	66,628	66,628	13,814	52,814	None available. See letter to Belyaev, att.
74A	Miscellaneous copper cable & wire.....	0	38,424	38,424	0	
75	Webbing.....	3,000	3,000	3,876	2,125	
76	Tarpaulin.....	0	3,100	3,100	0	
77	Vistanex.....	0	0	44	-44	This includes rubber in all forms except finished military stores. No commitments. See Belyaev letter, att.
78	Tires, tubes, other rubber products.....	40,320	40,320	18,363	21,951	
79	High pressure hose.....	0	648	648	0	No commitments. See Belyaev letter, att.
80	Sheet fiber.....	0	4,361	4,361	0	
81	Shock absorber cord.....	0	64	64	0	No commitments. See Belyaev letter, att.
82	Metallic cloth and screen.....	2,000	2,000	122	1,878	
83	Condenser paper (radlo).....	240	240	128	112	Amount requested: \$60,000,000 worth. Depends upon further specifications.
83A	Cigarette paper.....	0	908	908	0	
83B	Parchment paper.....	0	2,000	2,000	0	
84	Miscellaneous emergency material.....	0	0	0	0	
85	Ferrophosphorus.....	0	4	4	0	Should be 134 short tons. See Belyaev letter 10-28-42 attached.
86	Ferrovandium.....	0	2	2	0	
87	Ferrotungsten.....	0	2	2	0	
89	Lead.....	0	8	8	0	
90	Tin.....	0	2	2	0	
91	Toil.....	0	95	95	0	
A	Aluminum.....	0	52	52	0	
B	Tin.....	0	1	1	0	
C	Nickel.....	0	4	4	0	
92	Rabbit metal.....	0	100	100	0	
93	Cadmium.....	0	144	144	0	
94	Cobalt.....	0	0	136	8	

	241,920	280,916	82,809	204,107
GROUP III				
Rails.....	18,328	36,656 (24,000 sets)	35,662	964
Accessories.....	23,260	60,480	30,663	29,817
Mounted sets of wheels & axles.....	0	13,440	0	0
Car axles.....	0	17,752	0	17,752
Locomotive & car wheel tires.....	0	0	0	0
Roller steel car wheels.....	0	414	0	414
Engine driving wheel sets.....	0	297	0	297
Steel locomotive axles.....	0	0	0	0
Electric locomotive axles.....	0	0	0	0
Welding & other equipment for railroads.....	0	0	2,600	-2,000
Pneumatic tools.....	0	0	52,873	-52,873
Signal equipment.....	0	0	9,877	-9,877
Equipment & materials for iron & steel industry.....	0	0	0	0
Equipment for petroleum industry:				
Oil drilling equipment.....	0	40,000	3,440	36,580
Refinery plants.....	0	50,400	0	50,400
GROUP VII				
Electric power generating equipment.....	0	40,331	48,750	-8,419
Grand total.....	2,268,866	2,830,871	2,040,412	790,150

For items 109-111, 120: The possibilities of supplying equipment and materials for the railroad industry and the iron & steel industry are currently being investigated. To the extent that it is found possible to supply any of this equipment, it will be necessary to effect the corresponding reduction in the equipment already requisitioned under items 62-65 by materials such as steel, copper, nickel, etc. In view of the critical shortage of materials in such equipment will be chargeable against the total quantities of such materials offered under other items of the protocol.

For items 131, 140: In accordance with the terms under which the power and the refinery programs were offered to the U.S.S.R., the tonnages of critical materials necessary for the production of this program are to be charged against the tonnages of particular materials offered elsewhere in the protocol. These materials include copper, nickel, rubber, steel products, etc.

¹ This table covers all items under Group II (various material, machinery and industrial equipment), Group III (equipment and materials for specific industries), and Group VII (elec. power generating equipment).
² Conversion of dollar values and common physical units of measure into short tons based on detailed joint studies of Soviet Government Purchasing Commission and War Production Board. Figures in parentheses alongside short ton figures in column I are commitments as stated in other units than short tons; they apply to proposed second protocol commitments (Col. 2) verbatim or proportionately, except as otherwise indicated.
³ These proposed commitments include all "special arrangements" which have been made through September 15, 1942, e.g., for such items as aluminum, aircraft cord, shell steel, etc.
⁴ "Debits" include all requisitions submitted to the office of Lend-Lease Administration through August 15, 1942 (including those in the 10,000 series sent directly to the War Department) and private purchases, except those requisitions under which delivery in the United States and export to Russia has taken place under the first protocol and except those requisitions calling for delivery after June 30, 1943.
⁵ This column shows the remaining credits as of August 15, 1942 under the proposed second protocol commitments, and thus represents the total amounts of goods for which requisitions may be submitted after August 15, 1942 for delivery in the United States before July 1, 1943. Acceptance by the United States of requisitions for additional materials and equipment in lieu of materials and equipment already under requisition depends on specifications, production facilities, critical materials, and other relevant considerations even though no net change of total tonnage would result.

ANNEX II

Text of Identic Note Dated July 7, 1942, Addressed by the Ambassador of the Union of Soviet Socialist Republics (Litvinoff) in Washington to the Secretary of State of the United States (Hull) and by the Ambassador of the Union of Soviet Socialist Republics (Maisky) in London to His Majesty's Principal Secretary of State for Foreign Affairs (Eden)

I am instructed by my Government to inform you as follows:

The Government of the Union of Soviet Socialist Republics accepts with satisfaction the Second Protocol proposed by the Governments of the United States of America and the United Kingdom, for the period of July 1, 1942 to June 30, 1943.

The Soviet Government wishes to express its hope that:

A. The monthly delivery of airplanes from the United Kingdom after the first six months of 1942, i.e. in the first half-year of 1943, if it cannot be increased then in no way will be decreased, and the delivery of airplanes from the United States after October, 1942 will be increased to the possible limit.

B. The Government of the United Kingdom will find a way to maintain the monthly deliveries of aluminum ingots fixed for July-September 1942, during the entire period of the Second Protocol and that the Government of the United Kingdom will be able to arrange for the monthly supply of cobalt metal at the rate of ten tons per month, as it was provided under the Moscow Protocol.

C. Taking into consideration the increased demand of the United States and the United Kingdom for nickel and also the acute need for this metal in the U.S.S.R., it will be possible to arrange a monthly supply of nickel at the rate of 400 tons per month, over the quantities necessary for the production of manufactured goods offered in the Second Protocol.

The Soviet Government considers that the proposed limitation of Soviet requirements to 4,400,000 net tons, shipments of which will be provided for to the U.S.S.R. northern ports and to the Persian Gulf, shall be made at the expense of flour, wheat, sugar and petroleum products. The Soviet Government trusts that the Government of the United Kingdom will provide for the delivery of different kinds of equipment, ordered up to July 1, 1942 by the Trade Delegation of the U.S.S.R. in the United Kingdom and will find the further possibility of accepting new Soviet orders for industrial equipment for delivery during the Second Protocol.

The Soviet Government takes note of the U.S. Government's statement regarding the impossibility, at the present time of satisfying the U.S.S.R. Government's request for machinery and equipment for the U.S.S.R. Iron and Steel Industry, Petroleum Industry and Railroads. At the same time,

the U.S.S.R. Government expresses its hope that, in the future, the U.S. Government may find it possible to satisfy the needs of the U.S.S.R. for the above mentioned equipment.

The Soviet Government expresses its satisfaction at the statement of the Governments of the United States and the United Kingdom to the effect that they will be glad to reconsider, from time to time, the second program with the intention of finding out the possibilities of increasing the supply to the U.S.S.R. of military items and equipment which can be made available and delivered.

The Soviet Government authorizes its Purchasing Commission in Washington to adjust and clarify those items in the new Protocol which are in need of further adjustment and clarification.

It is presumed that the Second Protocol, like the Moscow Protocol, will be signed by the representatives of the three Governments concerned.

I am authorized to sign the Protocol on behalf of my Government. .

My Government would like to have included in the Protocol the desiderata, expressed in paragraphs "A", "B" and "C."

ANNEX III

Decisions With Respect to the Soviet Government's Request for Supplies of Aircraft, Aluminum, Cobalt and Nickel Beyond Those Provided in the Proposed Second Protocol

1) The Government of the United Kingdom will before termination of their present commitment give further consideration to the question of continuing or increasing supplies of aircraft after the end of 1942. They can at present give no undertaking in the matter. The Government of the United States is earnestly examining the request of the Soviet Government and will reach a decision as promptly as possible in consultation with representatives of the Union of Soviet Socialist Republics.

2) The Government of the United Kingdom agree to continue to supply aluminum at the approximate monthly rate of 2,000 tons until the end of 1942.

3) The Government of the United States undertakes to make available ten tons of cobalt per month during the period covered by the Second Protocol.

4) The Government of the United States and the Government of the United Kingdom agree to increase the amount of nickel to be provided to the Union of Soviet Socialist Republics in all forms, except finished military stores, to 700 short tons per month for the fourth quarter of 1942.