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**Truck Operations:
Emergency Supply of Urea Fertilizer in Albania**

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Truck Operations: Emergency Supply of Urea Fertilizer in Albania

I. Background

This report covers the operation of the thirty (30) trucks which were provided to assist in facilitating the implementation of USAID emergency grant to supply 20,000 mt of urea fertilizer in Albania.

Preliminary discussions for this project were held in the fall of 1991. However, firm parameters of the grant were not received until the first week of March 1992. The initial plan was to have the first shipload of urea to depart by March 30 and the second shipload by April 15. Bid specifications were drawn up with the assistance of USAID procurement specialists and sent to major truck suppliers. Only two suppliers indicated an ability to supply adequate trucks within the timeframe specified. Of the two, Navistar International Transport Corporation was selected since they not only were the low bidder but were able to supply ten (10) trucks delivered to the Port of New Orleans in time to meet the sailing date of the first ship and to supply the balance of twenty (20) trucks in time to meet the second ship's sailing date which was scheduled for April 15.

Time constraints prohibited complete standardization of trucks throughout the fleet. The first ten (10) trucks, having been diverted from a delivery scheduled for the Saudi Arabian Army, were alike in specifications. The later twenty (20) trucks had many commonalities; however, there were variations in the bed size, transmissions, and axle ratios. See the specifications provided in Annex A.

II. Overall Situation in Albania

Most of the available in-country trucks were vintage trucks of Chinese origin or others which had been manufactured by other Communist countries. There were also a large number of farm tractors with trailers. The greatest part of these vehicles were assigned to state-owned enterprises. At the outset, it was impossible to forecast the extent of local transportation resources which would be available to transport the urea from the ships to an undetermined number of dealers scattered throughout the country. There had never been an effort to use auctions or to set up a privatized distribution system in Albania,

particularly to take cargo directly from a ship. Private warehousing in the vicinity of the port was not available, and port warehousing was scarce and expensive. Thus, it was thought that the presence of the 30 trucks could be a significant factor in the successful outcome of the project.

III. Durres Port Facilities

Several sites were considered for a truck depot. A sea container compound located within the confines of Durres Port was selected. This site was walled, the entrance had a locked gate and also was secured by armed guard day and night. Available within the yard were adequate offices, space for a shop, and spare parts stowage. This area was also located within one (1) km of the berths assigned for unloading of the urea ships.

IV. Cost Information

The trucks were purchased for US \$43,650 each and the shipping charges for the ten (10) trucks which arrived on the S/S Inger were \$3,500 each for a total landed cost of \$47,150 each. Shipping charges for the last twenty (20) trucks on the M/Y Pal Bay were US \$3,000 each for a total landed cost of US \$46,650 each.

The total value of the initial spare parts inventory was \$89,428.60. The ending value of the inventory at the close of operations was \$89,188.07 indicating an inventory value decrease of \$240.53. This decrease is attributed to parts usage and inventory losses. One pallet load of batteries (value of \$807.50) was stolen. However, this loss was offset by some unexplained gains in inventory (i.e., excess hose, clamps, and engine packages).

Operating Costs Through July 1992

Account	Description	Amount (US \$)
2.11.1	Salary (local staff)	4,448
2.11.2	Rental office, shop, truck park area	31,870
2.11.3	Truck maintenance	999
2.11.4	Petroleum, oil, lube	11,901
2.11.5	Per diem allowances (drivers)	1,076
2.11	Truck operation cost (total)	50,294
2002-00	Truck insurance	19,535

V. Truck Operations

The first ten (10) trucks and a limited number of spare parts arrived in the Port of Durres aboard the S/S Inger (U.S. flag vessel) on April 28, 1992. The last twenty (20) trucks and most of the remaining spare parts arrived aboard the M/V Pal Bay (foreign flag vessel) on May 21, 1992.

Truck loadings were established for the long bed (16 ft) trucks at 200 bags of 50 kg each, for a total load of 10 mt. The shorter bed trucks (14 ft) were loaded with 180 bags for a total of 9 mt.

Trucking charges to dealers were initially established at 4 lek/mt/km for the first 100 km and 2 lek/mt/km thereafter with a minimum charge of 1,000 lek. These rates were formulated in an attempt to be competitive with private trucking rates which was difficult since there were no established tariffs. Truck rates often are determined by barter deals, favors owed, friendships, relatives, and other informal criteria.

Prior to the availability of IFDC trucks, the ship was being offloaded at a satisfactory discharge rate into dealer-provided trucks. However, when the IFDC trucks were made

available, the dealers quickly evaluated the rate structure. Demand for IFDC trucks rose and the number of independent truckers used by the dealers fell off sharply. On June 12, IFDC increased its rate to 5 lek/mt/km for the first 100 km and 3 lek/mt/km thereafter. When the subsequent shipment of DAP arrived, these rates on September 26 were once again increased to 10 lek/mt/km for the first 90 km and 6 lek/mt/km for each kilometer thereafter.

All truck charges were computed and prepaid through a deposit to a special bank account before a truck was either dispatched or loaded. During the urea operation, IFDC delivered 249 loads (24,783.5 mt) of urea and the total revenue from the freight paid by the dealers was 744,750 lek.

Fuel records were maintained on each truck to assist in calculating the operating cost and as a check on driver integrity. This effort revealed that the trucks averaged between 1.26 km/L and 4.25 km/L. All drivers with records on fuel utilization under 2 km/L will not be rehired. Twelve (12) drivers fell into this category. Total fuel usage was 40,995 liters or an overall average of 2.27 km/L.

At the close of the urea operation IFDC had delivered 249 loads to various dealers. In addition, as an alternative to a railroad movement, the trucks completed moving 60 truckloads to the Pogradec area. A total of 3,012 km was driven in support of this operation. Total kilometers driven for the emergency urea supply project were about 93,645 as shown in Annex B.

VI. Repairs, Maintenance, and Spare Parts

Make Ready

The terms of the truck purchase required that Navistar be responsible for truck "make ready" (preparation for use) at the Port of Durres. Navistar's personnel were found to be competent and available to commence work with each ship arrival. The trucks were released and accepted for operation one at a time. The last truck of the first shipment which arrived on April 28 was declared "made ready" and accepted on May 15 and the last truck of the second shipment which arrived on May 22 was declared "made ready" and accepted on June 24.

Spare Parts

A limited number of operating spare parts was shipped aboard the first ship. Most of the remaining supply of spare parts were loaded aboard the second ship. These spare parts arrived in crates and pallets which were loaded onto the truckbeds of the twenty (20) trucks. All crates were inspected and tabulated by the ship surveyor Control Union, Inc. There were no shortages noted upon arrival of the ship. These parts were, as they were offloaded, transported to the truck compound shop area and stored in locked 20-ft sea containers.

A computerized listing of spare parts was prepared by IFDC in Albania and given to the truck manager for markup and correction. He was unable to complete the inventory reconciliation prior to his departure. However, shortly thereafter this was completed and the final listing is included in Annex C.

On June 25, the urea discharge was officially concluded and all trucks were placed in an inactive status. At that time, it was assumed that utilization of the trucks on future deliveries would not be extensive and, thus, the current inventory of spare parts would be adequate for future operations. Therefore, it was requested that all further spare parts which could be canceled not be shipped. No further parts were received.

Lay Up

As a part of the "lay up" (preparation for storage) procedures, all mirrors, radio antennas, and air horns were removed and locked in the respective cabs. A truck-by-truck inventory was also taken to determine the general condition of the units and the accessories. The results of this inventory are provided as Annex D.

VII. Administration**Personnel**

Personnel used in the truck operation consisted of one (1) manager (expatriate consultant) and the following local hire personnel: four (4) on the administrative staff, two (2) mechanics, up to thirty (30) drivers, and up to thirty (30) helpers. An organization chart is given in Annex E which also contains job descriptions for the key staff personnel.

Driver candidates were road tested prior to hiring and preoperational training was provided on safety, work procedures, discipline, and inspections to be performed at the beginning and ending of each shift. Periodic driver safety meetings were held during which emphasis was placed on excessive speeds, hazards from swift response of power steering and brakes, and anticipation of road hazards, i.e., adjustment of speed and other driving parameters based on road and traffic conditions as far ahead as can be visually observed.

Driver discipline was a constant problem. Drivers were at times believed to be accepting or demanding payment from their consignees. There were instances where drivers were observed moving cargo (cows, bricks, and unauthorized passengers, etc.) rather than urea. They often drove at excessive rates of speed. One was followed for approximately 10 km with speeds in excess of 68 mph on potholed roads with people walking, horse/oxen/burro drawn carts, and other vehicles many of which were most likely driven by inexperienced drivers. Two trucks were wrecked; one was considered a total loss and one was considered salvageable. One lost control and turned over (one passenger was killed) while the other sped out of control and off a bridge. Driver safety meetings were held. In spite of the emphasis in the safety meetings, it was difficult to convince many of the drivers that they were driving too fast or to make them aware of the hazards of swift response from power steering and brakes. One driver claimed IFDC owed money to him. He had stolen the seat out of a wrecked IFDC truck and his pay was withheld until he returned it. He held the truck for ransom and was seen driving for several days both in Durres and Tirana. The truck was finally returned by police escort 4 days later.

Insurance

There was no private source for truck insurance in Albania. The Government-owned Albanian Insurance Institute finally decided that they would underwrite any required insurance policies themselves. Considerable time was expended in having them prepare and translate the policies. Since this was the first time the government had ever undertaken this responsibility, precedence was established and such requirements in the future should be much less difficult to accomplish.

Truck Licenses

Again, since this was a first-time undertaking, the Government had not before issued licenses for foreign trucks on a no-charge basis. Thus, days were required to secure the

required documents from the Ministry of Public Order and they were finally issued on April 28, valid only for three (3) months or until July 28, 1992. Like the insurance, it is hoped that if required, future licensing procedures will be based on this precedence and will be less difficult to accomplish.

On July 1, the office in Durres was closed and all records were returned to the IFDC Tirana office.

Major Accidents

On May 29, 1992, at approximately 9:30 a.m., north of the city of Rrogozhina, IFDC truck No. 8 (serial No. 1HTSDPR4NH439630) overturned. One unauthorized passenger was killed. The driver and a fertilizer dealer that was also in the truck at the time were both injured. The truck, loaded with 200 bags enroute to Elbasan, was apparently traveling at high speed. The driver swerved to avoid a small boy and overturned the truck. The cause of the accident was attributed to driver error due to high speed, unfamiliarity with power steering, lack of sufficient driver training, and driver fatigue. The truck, although severely damaged, was considered salvageable and would require a new cab and hood.

On June 2, 1992, at approximately 9:00 p.m., north of the city of Rrogozhina, a second accident occurred. IFDC truck No. 16 (Serial No. 1HTSDNUN2NH418748) went out of control, crashed through a bridge rail, and plunged into the stream bed. The driver was injured and taken to the hospital. Two unauthorized passengers who were in the truck were not injured. The cause of the wreck was attributed to excessive speed and lack of experience. The truck is considered a total wreck, but with salvageable parts.

III. Conclusions and Recommendations

Conclusions

1. Due to the requirement to deploy the trucks as soon as possible, sufficient time was not given to selection of drivers or driver orientation and training.
2. The use of driver helpers was found to be unnecessary.

3. IFDC truck charges should be monitored carefully to ensure that the rates do not fall below those of private truckers.
4. Although the availability of these trucks was advantageous, distribution of urea could have been accomplished without the use of IFDC trucks. However, they were later found to be indispensable for handling the import of diammonium phosphate.

Recommendations

1. Driver selection, license review, and training, including safety training, should be commenced at least 3 weeks prior to the arrival of the trucks or the commencement of deployment.
2. Driver helpers should be eliminated.
3. IFDC truck rate structure must be constantly monitored to ensure that it remains at or above those of private truckers.
4. Disposal/reassignment of the IFDC trucks should be considered.

Annex A

Truck Specifications Sheet

Annex A

Truck Specifications

<u>Vehicle Identification No.</u>	<u>Engine Number</u>	<u>Wheel Base</u>	<u>Body</u>	<u>Trans Speeds</u>	<u>Tire Size</u>	<u>Axle Ratio</u>
1HTSDNUN4NH430870	000635129	206"	16'3"	7	11R22.5	5.38
1HTSDPPN5NH433963	000640342	206"	16'3"	7	11R22.5	5.38
1HTSDNUN9NH434462	000638030	206"	16'3"	7	11R22.5	5.38
1HTSDNUN2NH432116	000625411	206"	16'3"	7	11R22.5	6.14
1HTSDPPN7NH435911	000640468	206"	16'3"	7	11R22.5	6.14
1HTSDPRONH439625	000644863	206"	16'3"	7	11R22.5	6.14
1HTSDPR2NH439626	000644868	206"	16'3"	7	11R22.5	6.14
1HTSDPR4NH439627	000644869	206"	16'3"	7	11R22.5	5.38
1HTSDPR4NH439630 ^a	000644628	206"	16'3"	7	11R22.5	5.38
1HTSDPR6NH439628	000644660	206"	16'3"	7	11R22.5	5.38
1HTSDPR6NH439631	000644658	206"	16'3"	7	11R22.5	5.38
1HTSDPR7NH439623	000626182	206"	16'3"	7	11R22.5	5.38
1HTSDPR8NH439629	000644891	206"	16'3"	7	11R22.5	5.38
1HTSDPR8NH439632	000644867	206"	16'3"	7	11R22.5	5.38
1HTSDPR9NH439624	000644644	206"	16'3"	7	11R22.5	5.38
1HTSDNUN2NH418748 ^b	000637198	206"	16'3"	5	11R22.5	4.56/6.22
1HTSDPPN7NH431373	000642531	206"	16'3"	5	11R22.5	4.56/6.22
1HTSDPPN5NH435387	000640346	206"	16'3"	5	11R22.5	4.56/6.22
1HTSDNUN2NH403280	000630706	206"	16'3"	5	11R22.5	4.89/6.22
1HTSDNUN7NH431480	000641545	206"	16'3"	5	11R22.5	4.89/6.22
1HTSDNUN4NH411655	000635019	206"	16'3"	5	11R22.5	4.89/6.22
1HTSDNUN5MH388188	000626008	206"	16'3"	5	11R22.5	4.89/6.22
1HTSDNUN9MH385925	000624503	206"	16'3"	5	11R22.5	4.89/6.22
1HTSDNUNONH418764	000637135	194"	14'3"	6	110OX20	5.38
1HTSDNUN2NH418765	000635693	194"	14'3"	6	110OX20	5.38
1HTSDNUN4NH418766	000636947	194"	14'3"	6	110OX20	5.38
1HTSDNUN3NH418791	000636829	188"	14'3"	7	11R22.5	6.14
1HTSDNUNONH433684	000641820	188"	14'3"	7	11R22.5	6.14
1HTSDNUN8NH413425	000634368	188"	14'3"	7	11R22.5	6.14
1HTSDNUN4NH407637	000633212	188"	14'3"	5	110OX20	4.89/6.66

- a. Vehicle totally damaged, inoperable. Damage caused by driver error. Parts can be salvaged and reused.
 Note: Trucks in the above listing are separated into five categories based on major differences in specifications, i.e.; 7 speed transmission vs 5 or 6 speed; 206 inch wheel base vs 194 inch or 188 inch, etc.
- b. Vehicle received major damage in accident but it can be repaired.

Additional Specifications

Front Axle = 12,000 lbs maximum, Gross Vehicle Weight = 35,000 lbs
 Rear Axle = 23,000 lbs
 Engine = International DT-466 210 HP @ 2,400 rpm
 Brakes = Full air

Annex B

Truck Odometer Readings: Kilometers or Miles (Distance Run)

Annex B
Truck Odometer Readings: Kilometers or Miles (Distance Run)

Truck Number	Beginning Reading (km)	Ending Reading (km)	Distance Run (miles)	Distance Run (km)
1	1,605	6,137		4,532
2	1,632	6,504		4,872
3	1,647	9,248		7,601
4	1,551	5,112		3,561
5	1,598	5,537		3,939
6	1,564	5,719		4,155
7	1,642	5,441		3,799
8	1,640			
9	1,548	5,548		4,000
10	1,603	7,673		6,070
	(miles)	(miles)	(miles)	(km)
11	1,530	2,168	638	1,027
12	1,300	2,480	1,180	1,899
13	1,250	3,694	2,444	3,932
14	1,800	2,862	1,062	1,709
15	1,669	3,331	1,662	2,674
16	1,850	2,890	1,040	1,673
17	1,200	2,797	1,597	2,570
18	1,600	3,017	1,417	2,280
19	1,908	3,443	1,535	2,470
20	1,112	3,459	2,347	3,776
21	2,235	5,362	3,127	5,031
22	2,528	4,418	1,890	3,041
23	2,422	4,500	2,078	3,344
24	2,542	3,585	1,043	1,678
25	1,307	3,284	1,977	3,181
26	2,202	3,230	1,028	1,654
27	1,250	2,623	1,373	2,209
28	1,328	2,476	1,148	1,847
29	1,570	2,991	1,421	2,286
30	1,600	3,362	1,762	2,835
Total km run				93,645

a. Truck wrecked (Totaled); ending odometer reading not recorded.

Note: All odometer readings for trucks numbered 11 and above are in miles. Total kilometers were computed using a conversion factor of 1.609 km per mile.

Annex C
Truck Parts Inventory

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Annex C—Truck Parts Inventory

Code	Assembly	Part A	Part B	Description	Delivered Quantity	Invoice Cost	Invoice Extension	Initial Inventory	Urea Inventory Value	Inventory December 1992	DAF Inventory Value
E				CONSUMABLES							
B301				CTN CHASSIS GREASE	1	16.20	16.20				
D304				HOSE	15	NC	NC	1	16.20		0.00
D306				OIL 10W40	4	266.54	1,066.16	4	0.00		0.00
E				ANTIFREEZE	4	228.15	912.60	4	1,066.16	4	1,066.16
A303				OXY//ACETYLENE SET	1	323.15	323.15	1	912.60	4	912.60
A303				BELT	40	NC	NC no charge		323.15	1	323.15
E				FILTER (FUEL)	40	NC	NC	48	0.00		0.00
E				OXYGEN BOTTLES	2	208.38	416.76	2	0.00		0.00
E				HELMET WELDING	1	24.75	24.75	1	416.76	2	416.76
D303				1100X20 14PR TIRES CXG				1	24.75	1	24.75
A303				OIL 10W40	4	266.54	1,066.16	56	0.00	76	0.00
D307				HOSE (RADITOR)	20	NC	NC	4	1,066.16	4	1,066.16
D308				ANTIFREEZE	1	228.15	228.15	20	0.00		0.00
E				PWR STEER FLUID	108	3.19	344.52	1	228.15	1	228.15
C301				ADJ. WRENCH	2	12.01	24.02	108	344.52	108	344.52
D302				NUT	100	NC	NC	2	24.02	2	24.02
D307				OIL 10W40	4	266.54	1,066.16	100	0.00		0.00
A303				80W90 GEAR OIL	1	243.35	243.35	4	1,066.16	4	1,066.16
E				ELEMENT (AIR CLEANER)	10	NC	NC	1	243.35	1	243.35
A301				FILTER WRENCH	2	4.95	9.90	10	0.00	32	0.00
A303				ELEMENT (HOSES)	15	NC	NC	1	4.95		0.00
A303				FILTER (OIL)	12	NC	NC	15	0.00	29	0.00
A303				HOSE	4	NC	NC	12	0.00	276	0.00
E				WIPER	40	NC	NC	4	0.00		0.00
A301				1100X20 TUBES					0.00		0.00
E				FILTER	48	NC	NC	48	0.00	60	0.00
E				TAP AND DIE SET	1	180.68	180.68		0.00	1	180.68
E				BENCH VICE	1	220.50	220.50	1	0.00	1	220.50
E				TIRE GAUGE	24	14.75	354.00		0.00	23	339.25
B301				PULLER SET	1	450.28	450.28		0.00	1	450.28
E				FILTER	84	NC	NC	84	0.00		0.00
E				PR. WELDING GLOVES	1	5.16	5.16		0.00		0.00
E				GREASE GUN	1	18.55	18.55		0.00	1	18.55
C301				TORQUE WRENCH	1	84.59	84.59		0.00		0.00
C301				NUT	100	NC	NC		0.00		0.00
D305				BOLT	100	NC	NC	100	0.00		0.00
A302				80W90 GEAR OIL	4	243.35	973.40	4	0.00	4	973.40
E				PACKAGE	20	NC	NC		0.00		0.00
A301				ACETYLENE BOTTLES	2	181.50	363.00	2	973.40	2	363.00
E				ELEMENT	10	NC	NC		0.00	10	0.00
C301				TOOL KIT	2	844.49	1,688.98	2	0.00	2	1,688.98
C301				ANGLE	20	NC	NC	20	0.00		0.00
C301				ANGLE	20	NC	NC	20	0.00		0.00
E				BOLT	100	NC	NC	100	0.00		0.00
X330	01			BARREL PUNPS	3	31.70	95.10	3	0.00		0.00
X307	01			BEAM	1	480.27	480.27	4	95.10	3	95.10
X302	02			KIT (KING PIN ASSBLY)	4	135.95	543.80	4	1,921.08	1	480.27
X302	02			BOLT	4	5.68	22.72	4	543.80	4	543.80
X328	02			NUT	10	3.19	31.90	10	22.72	4	22.72
				SHACKLE	5	10.95	54.75	5	31.90	10	31.90
									54.75	5	54.75

Annex C—Truck Parts Inventory

Code	Assembly	Part A	Part B	Description	Delivered Quantity	Invoice Cost	Invoice Extension	Initial Inventory	Urea Inventory Value	Inventory December 1992	DAP Inventory Value	
X320	02	FRONT SUSPENSION	1661976C3	1661976C3	PIN (REAR SPRING)	20	11.54	230.80	20	230.80	20	230.80
X303	02	FRONT SUSPENSION	1668402C91	1668402C91	ROD (STEERING)	4	63.43	253.72	4	253.72	4	253.72
X302	02	FRONT SUSPENSION	465921C1	465921C1	BOLT U	4	11.00	44.00	4	44.00	4	44.00
X327	02	FRONT SUSPENSION	144426H	144426H	NUT	5	4.82	24.10	5	24.10	5	24.10
X302	02	FRONT SUSPENSION	465922C1	465922C1	BOLT (U)	4	17.57	70.28	4	70.28	4	70.28
X334	02	FRONT SUSPENSION	472412C91	472412C91	ABSORBER	16	32.87	525.92	16	525.92	16	525.92
X335	02	FRONT SUSPENSION	1661469C91	1661469C91	SPRING	8	137.41	1,099.28	8	1,099.28	8	1,099.28
X301	02	FRONT SUSPENSION	144424H	144424H	NUT	10	2.30	23.00		0.00		0.00
X311	03	REAR SUSPENSION	215977R1	215977R1	BUSHING	8	2.83	22.64	8	22.64	8	22.64
X302	03	REAR SUSPENSION	206258R1	206258R1	PIN	8	7.20	57.60	8	57.60	8	57.60
X325	03	REAR SUSPENSION	47276C91	4732274C91	SPRING	10	290.16	2,901.60	10	2,901.60	10	2,901.60
X334	03	REAR SUSPENSION	501906C91	501906C91	ABSORBER	10	32.16	321.60	10	321.60	10	321.60
X302	03	REAR SUSPENSION	144425H	144425H	NUT	10	3.19	31.90	10	31.90		0.00
X302	03	REAR SUSPENSION	465914C1	465914C1	BOLT	8	7.57	60.56	8	60.56	8	60.56
X302	03	REAR SUSPENSION	190287R1	190287R1	SEAT (SPRING SEAT)	4	12.22	48.88	4	48.88	4	48.88
X302	03	REAR SUSPENSION	465911C1	465911C1	BOLT (U)	4	15.09	60.36	4	60.36	4	60.36
X311	03	REAR SUSPENSION	465915C1	465915C1	BOLT	8	11.31	90.48	8	90.48	8	90.48
X302	03	REAR SUSPENSION	416743C1	1675448C1	NUT	50	1.27	63.50	50	63.50		0.00
X302	03	REAR SUSPENSION	481223C1	481223C1	BRACKET	2	92.22	184.44	2	184.44	2	184.44
X320	03	REAR SUSPENSION	1671766C1	1671766C1	PIN (REAR SPRING)	8	8.43	67.44	8	67.44	8	67.44
X302	03	REAR SUSPENSION	1654325C1	1654325C1	BRACKET (REAR)	2	99.53	199.06	2	199.06	2	199.06
X321	04	FRONT AIR BREAKS	594348C91	594348C91	SHOE	10	83.20	832.00	10	832.00	10	832.00
X321	04	FRONT AIR BREAKS	871931R1	871931R1	DIAPHRAM (FRONT)	20	4.98	99.60	20	99.60	20	99.60
X327	04	FRONT AIR BREAKS	487473C1	487473C1	SPRINGS	24	2.10	50.40	24	50.40	24	50.40
X326	04	FRONT AIR BREAKS	580556C1	580556C1	ROLLER	16	2.87	45.92	16	45.92	16	45.92
X311	05	AIR COMPRESSOR	83817HB	83817HB	GASKET	5	3.05	15.25	5	15.25	5	15.25
X327	05	AIR COMPRESSOR	166562R1	166562R1	GASKET	10	0.62	6.20	10	6.20	10	6.20
X328	05	AIR COMPRESSOR	168684R91	168684R91	KIT	1	12.28	12.28	1	12.28	1	12.28
X327	05	AIR COMPRESSOR	L2643505	L2643505	HOSE	100	1.18	118.00	300	354.00	300	354.00
X304	05	AIR COMPRESSOR	570287C94	570287C94	COMPR (OIL)	1	760.38	760.38	1	760.38	1	760.38
X301	06	AIR BREAK HOSE	574897C91	574897C91	FITTING	10	7.43	74.30	10	74.30	10	74.30
X327	06	AIR BREAK HOSE	590660C91	590660C91	CONNECTOR	10	4.96	49.60	10	49.60	10	49.60
X311	06	AIR BREAK HOSE	990701C1	990701C1	HOSE	50	0.99	49.50	50	49.50	50	49.50
X303	06	AIR BREAK HOSE	574896C1	574896C1	HOSE (POWER STEERING)	50	1.27	63.50	50	63.50	3	3.81
X307	07	AIR BREAK VALVE	473794C91	473794C91	VALVE (OVERFLOW AIR)	3	19.45	58.35	3	58.35	3	58.35
X327	07	AIR BRAKE VALVES	416646C93	416646C93	VALVE	3	48.58	145.74	3	145.74	3	145.74
X327	07	AIR BRAKE VALVES	400723C91	400723C91	SWITCH	3	17.43	52.29	3	52.29	3	52.29
X301	07	AIR BREAK VALVES	764368C92	764368C92	VALVE	3	15.90	47.70	3	47.70	3	47.70
X302	07	AIR BREAK VALVES	464903C92	464903C92	KIT	3	52.88	158.64	2	105.76	2	105.76
X301	07	AIR BREAK VALVES	777915C92	777915C92	VALVE (AIR TANK)	3	57.16	171.48	3	171.48		0.00
X306	07	AIR BRAKE VALVES	592699C1	592699C1	VALVE	3	21.24	63.72	3	63.72	3	63.72
X306	07	AIR BRAKE VALVES	459271C92	459271C92	VALVE (BRAKE)	3	116.00	348.00	3	348.00	3	348.00
X328	07	AIR BRAKE VALVES	579510C91	579510C91	VALVE	3	286.19	858.57	3	858.57	3	858.57
X329	08	POWER STEERING GEAR	1659881C91	1659881C91	GEAR	1	1,360.86	1,360.86	1	1,360.86	1	1,360.86
X328	08	POWERSTEERING GEAR	1685196C91	1685196C91	KIT	2	77.21	154.42	2	154.42	2	154.42
X302	09	POWER STEERING HOSE	384139C1	384139C1	HOSE	2	21.08	42.16	2	42.16	2	42.16
X327	09	POWER STEERING HOSE	424411C1	424411C1	HOSE (AIR LINE)	2	27.02	54.04	2	54.04	2	54.04
X302	09	POWER STEERING HOSE	437774C1	437774C1	HOSE	2	24.15	48.30	2	48.30	2	48.30
X302	09	POWER STEERING HOSE	532389C2	532389C2	HOSE 1 FT.	50	1.90	95.00	50	95.00	50	95.00
X327	09	POWER STEERING HOSE	L2643655	L2643655	HOSE	49	1.86	91.14	49	91.14	49	91.14

Annex C—Truck Parts Inventory

Code	Assembly	Part A	Part B	Description	Delivered Quantity	invoice Cost	Invoice Extension	Initial Inventory	Urea Inventory Value	Inventory December 1992	DAP Inventory Value
X301	09	POWER STEERING HOSE484627C1	484627C1	HOSE	3	29.81	89.43				
X301	10	POWER STEERING PUMP 1665551C91	1665551C91	PUMP	3	207.84	623.52	1	29.81	1	29.81
X327	10	POWER STEERING PUMP596241C91	596241C91	KIT	2	8.64	17.28	3	623.52	3	623.52
X311	11	DRIVELINE PARTS 121684R92	121684R92	KIT	2	8.64	17.28	2	17.28	2	17.28
X328	11	DRIVE LINE PARTS 484966C1	484966C1	BRACKET	30	37.88	1,136.40	30	1,136.40	30	1,136.40
X328	11	DRIVE LINE PARTS 485157C1	485157C1	BRACKET	5	60.13	300.65	5	300.65	5	300.65
X301	12	EXHAUST 554318C1	554318C1	CLP	5	40.63	203.15	5	203.15	5	203.15
X327	12	EXHAUST 506875C2	506875C2	INSULATOR	24	4.68	112.32	24	112.32	24	112.32
X320	12	EXHAUST 497989C2	497989C2	BRACKET	10	0.56	5.60	10	5.60	10	5.60
X303	12	EXHAUST 587521C2	587521C2	PIPE (STACK)	5	7.25	36.25	5	36.25	5	36.25
X302	12	EXHAUST 471412C3	471412C3	BRACE	5	27.31	136.55	5	136.55	5	136.55
X301	12	EXHAUST 466934C1	466934C1	INSULATOR	2	26.31	52.62	2	52.62	2	52.62
X301	12	EXHAUST 338614C1	338614C1	CLAMP	24	3.44	82.56	24	82.56	24	82.56
X319	12	EXHAUST 1669751C1	1669751C1	MUFFLER	5	27.52	137.60	5	137.60	4	110.08
X302	12	EXHAUST 575248C1	575248C1	BRACKET	5	58.38	291.90	5	291.90	5	291.90
X311	12	EXHAUST 320237C1	320237C1	TUBE	5	3.09	15.45	9	27.81	9	27.81
X303	12	EXHAUST 575323C1	575323C1	PIPE (MUFFLER)	5	64.23	321.15	5	321.15	4	256.92
X329	12	EXHAUST 1672579C2	1672579C2	PIPE (MUFFLER)	5	55.03	275.15	5	275.15	5	275.15
X329	12	EXHAUST 1669223C2	1669223C2	BRACKET	1	32.75	32.75	4	131.00	4	131.00
X328	12	EXHAUST 466758C1	466758C1	BUSHING	1	253.26	253.26	1	253.26	1	253.26
X302	12	EXHAUST 471411C2	471411C2	BRACKET (RADITOR)	12	2.87	34.44	12	34.44	12	34.44
X320	12	EXHAUST 471408C1	471408C1	RETAINER	2	26.84	53.68	2	53.68	2	53.68
X306	12	EXHAUST 583977C1	583977C1	CLAMP (EXHAUST)	5	2.52	12.60	5	12.60	8	20.16
X302	12	EXHAUST 575248C1	575248C1	BRACKET	15	6.47	97.05	15	97.05		0.00
X302	12	EXHAUST 583978C91	583978C91	CLAMP	4	3.09	12.36	9	27.81	9	27.81
X306	12	EXHAUST 471475C1	471475C1	RETAINER	24	6.57	157.68	24	157.68	20	131.40
X303	12	EXHAUST 1672579C2	1672579C2	PIPE	24	0.83	19.92	24	19.92	24	19.92
X303	12	EXHAUST 1684403C1	1684403C1	PIPE (MUFFLER STk)	4	32.75	131.00	1	32.75		0.00
X328	12	EXHAUST 471473C2	471473C2	SUPPORT	2	29.57	59.14	2	59.14	2	59.14
X301	12	EXHAUST 320233C1	320233C1	TUBE	2	23.72	47.44	2	47.44	2	47.44
X320	12	EXHAUST 471409C2	471409C2	BRACKET	3	23.04	69.12	5	115.20	5	115.20
X320	12	EXHAUST 320230-C1	320230-C1	TUBE (FLEX)	2	21.74	43.48	2	43.48	2	43.48
X311	12	EXHAUST 587519C2	587519C2	PIPE	5	32.87	164.35	5	164.35	5	164.35
X306	13	ELECTRICAL PARTS 358560C1	358560C1	STOP LIGHT SWITCH	5	30.58	152.90	5	152.90	5	152.90
X321	13	ELECTRICAL PARTS 1661236C2	1661236C2	SWITCH (WASHER SHIELD)	5	5.70	28.50	5	28.50	4	22.80
X321	13	ELECTRICAL PARTS 1667302C2	1667302C2	GAGE	5	8.18	40.90	5	40.90	5	40.90
X301	13	ELECTRICAL PARTS 471302C94	471302C94	SWITCH	5	18.24	91.20	5	91.20	5	91.20
X301	13	ELECTRICAL PARTS 461778C1	461778C1	SWITCH	5	25.48	127.40	5	127.40	5	127.40
X306	13	ELECTRICAL PARTS 571712C91	571712C91	SWITCH	5	5.53	27.65	5	27.65	5	27.65
X327	13	ELECTRICAL PARTS 471416C1	471416C1	AMMETER	5	26.26	131.30	5	131.30	5	131.30
X321	13	ELECTRICAL PARTS 1671682C1	1671682C1	LIGHT	5	2.90	14.50	5	14.50	5	14.50
X306	13	ELECTRICAL PARTS 429047C1	429047C1	SPEEDO	5	22.61	113.05	5	113.05	5	113.05
X301	13	ELECTRICAL PARTS 1672537C1	1672537C1	SWITCH (IGNITION)	5	10.57	52.85	5	52.85	5	52.85
X311	13	ELECTRICAL PARTS 1671685C1	1671685C1	RELAY	10	3.74	37.40	5	18.70	5	18.70
X328	13	ELECTRICAL PARTS 1115609	1115609	GAUGE	5	25.56	127.80	5	127.80	5	127.80
X301	13	ELECTRICAL PARTS 1618940C1	1618940C1	SWITCH	5	94.43	472.15	5	472.15	5	472.15
X320	13	ELECTRICAL PARTS 1671689C1	1671689C1	SWITCH	5	11.83	59.15	5	59.15	5	59.15
X327	13	ELECTRICAL PARTS 411948C91	411948C91	TACHOMTR	5	22.61	113.05	5	113.05	5	113.05
X304	13	ELECTRICAL PARTS 1993874	1993874	HDRVE (HORN)	10	9.98	99.80	10	99.80	10	99.80
X302	13	ELECTRICAL PARTS 452187C1	452187C1	MOTOR (STARTER)	1	414.04	414.04	1	414.04	1	414.04
				SWITCH	5	10.22	51.10	5	51.10	3	30.66

Annex C—Truck Parts Inventory

Code	Assembly	Part A	Part B	Description	Delivered Quantity	Invoice Cost	Invoice Extension	Initial Inventory	Urea Inventory Value	Inventory December 1992	DAP Inventory Value	
X328	13	ELECTRICAL PARTS	1661234C3	1661234C3	SWITCH	5	10.25	51.25				
X311	13	ELECTRICAL PARTS	1117894	1117950	GENERATOR	3	305.24	918.72	5	51.25	5	51.25
X328	14	ENGINE PARTS	327185R91	327185R91	BEARING	2	21.67	43.34	3	916.72	3	918.72
X301	14	ENGINE PARTS	1662641C91	1662641C91	KIT	15	20.58	308.70	2	43.34	2	43.34
X301	14	ENGINE PARTS	122316R91	995218R1	CLAMP	10	0.66	6.60	15	308.70	15	308.70
X301	14	ENGINE PARTS	299566C1	299566C1	CLAMP	10	0.46	4.60	10	6.60	10	6.60
X327	14	ENGINE PARTS	685158C1	685158C1	SLEEVE	10	1.43	14.30	10	4.60	10	4.60
X327	14	ENGINE PARTS	676144C1	676144C1	PLATE	2	2.28	4.56	10	14.30	10	14.30
X307	14	ENGINE PARTS	675764C1	675764C1	GEAR (CAM SHAFT)	2	114.02	228.04	2	4.56	2	4.56
X327	14	ENGINE PARTS	591072C91	691072C91	TUBE (FUEL PUMP)	2	7.50	15.00	1	114.02	1	114.02
X305	14	ENGINE PARTS	685155C95	665155C95	PUMP (WATER)	5	232.04	1,160.20	2	15.00	2	15.00
X327	14	ENGINE PARTS	1802773C91	1802773C91	TUBE (INJEC.)	2	8.76	17.52	5	1,160.20	5	1,160.20
X328	14	ENGINE PARTS	1817530C91	1817530C91	SURCHGR (TURBO)	2	568.62	1,137.24	2	17.52	2	17.52
X328	14	ENGINE PARTS	606889C1	606889C1	ELBOW	2	2.63	5.26	2	1,137.24	2	1,137.24
X327	14	ENGINE PARTS	1817235C1	1817235C1	PIPE (INJEC. TUBE)	2	18.84	37.68	2	5.26	2	5.26
X328	14	ENGINE PARTS	673196C1	673196C1	TEE	2	6.73	13.46	2	37.68	2	37.68
X327	14	ENGINE PARTS	606845C1	606845C1	ELBOW	10	1.23	12.30	2	13.46	2	13.46
X327	14	ENGINE PARTS	1817234C1	1817234C1	PIPE (INJEC. TUBE)	2	18.84	37.68	10	12.30	10	12.30
X305	14	ENGINE PARTS	475174C5	475174C5	CABLE (CHOKES)	10	38.44	384.40	2	37.68	2	37.68
X327	14	ENGINE PARTS	688188C1	688188C1	HOSE (AIR LINE)	2	10.77	21.54	6	230.64	6	230.64
X301	14	ENGINE PARTS	1808973C92	1808973C92	PKG GASKET	1	81.97	81.97	2	21.54	2	21.54
X328	14	ENGINE PARTS	675765C1	675765C1	SHAFT	2	10.84	21.68	1	81.97	1	81.97
X327	14	ENGINE PARTS	1809570C1	1809570C1	TAPPET	16	10.63	170.08	2	21.68	2	21.68
X321	14	ENGINE PARTS	265204R1	265204R1	SLEEVE	10	0.43	4.30	16	170.08	16	170.08
X302	14	ENGINE PARTS	1810171C2	1810171C2	COCLER	5	181.50	907.50	20	8.60	20	8.60
X320	14	ENGINE PARTS	1802756C1	1802756C1	CLAMP (HOSE)	10	1.76	17.60	5	907.50	5	907.50
X327	14	ENGINE PARTS	1810638C1	1810638C1	TUBE	1	15.22	15.22	10	17.60	10	17.60
X302	14	ENGINE PARTS	675808C2	675808C2	GASKET	10	3.15	31.50	1	15.22	1	15.22
X307	14	ENGINE PARTS	1802452C1	1802452C1	CAPS	40	0.53	21.20	10	31.50	2	6.30
X327	14	ENGINE PARTS	1813959C91	1813959C91	TUBE (FUEL PUMP)	2	2.66	5.32	60	31.80	60	31.80
X328	14	ENGINE PARTS	319615R1	319615R1	ELBOW	5	3.11	15.55	2	5.32	2	5.32
X327	14	ENGINE PARTS	675477C1	675477C1	GASKET	60	0.46	27.60	5	15.55	5	15.55
X327	14	ENGINE PARTS	1817236C1	1817236C1	PIPE (INJEC. TUBE)	2	18.84	37.68	60	27.60	60	27.60
X305	14	ENGINE PARTS	1817254C93	1817254C93	GSKT SET	4	70.70	282.80	2	37.68	2	37.68
X301	14	ENGINE PARTS	675109C3	675109C3	GASKET	10	4.86	48.60	4	282.80	4	282.80
X301	14	ENGINE PARTS	1809964C92	1809964C92	PACKAGE	2	34.87	69.74	10	48.60	10	48.60
X328	14	ENGINE PARTS	1817394C91	1817394C91	NOZZEL	6	55.15	330.90	2	69.74	2	69.74
X301	14	ENGINE PARTS	690437C93	690437C93	PACKAGE	2	14.14	28.28	6	330.90	6	330.90
X308	14	ENGINE PARTS	1815398C94	1815398C94	PACKAGE (REBUILD KIT)	2	914.20	1,828.40	2	28.28	2	28.28
X307	14	ENGINE PARTS	1802452C1	1802452C1	CAP	20	0.53	10.60	2	1,828.40	2	1,828.40
X302	14	ENGINE PARTS	1815668C92	1815668C92	PACKAGE	2	87.88	175.76	40	21.20	40	21.20
X321	14	ENGINE PARTS	265204R1	265204R1	SLEEVE	10	0.43	4.30	2	175.76	2	175.76
X303	14	ENGINE PARTS	1811649C91	1811649C91	CAM SHAFT	2	437.65	875.30	0.00	0.00		0.00
X327	14	ENGINE PARTS	265205R1	265205R1	NUTS	20	0.59	11.80	2	875.30	2	875.30
X301	14	ENGINE PARTS	915499R1	915499R1	NUT	10	0.21	2.10	20	11.80	20	11.80
X327	14	ENGINE PARTS	265205R1	265205R1	NUT	20	0.59	11.80	10	2.10	10	2.10
X320	14	ENGINE PARTS	1809832C91	1809832C91	PKG PUMP	2	143.96	297.92	20	11.80	20	11.80
X320	14	ENGINE PARTS	686839C1	686839C1	ELBOW	2	12.52	25.04	2	297.92	2	297.92
X321	14	ENGINE PARTS	1809589C1	1809589C1	ROD (ENGINE)	36	4.76	171.36	2	25.04	2	25.04
X327	14	ENGINE PARTS	687456C1	687456C1	CLAMPS	10	1.19	11.90	36	171.36	36	171.36
									10	11.90	10	11.90

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Code	Assembly	Part A	Part B	Description	Delivered Quantity	Invoice Cost	Invoice Extension	Initial Inventory	Urea Inventory Value	Inventory December 1992	DAP Inventory Value	
X327	14	ENGINE PARTS	1816724C91	1816724C91	TUBE	2	2.41	4.82	2	4.82	2	4.82
X321	14	ENGINE PARTS	675859C2	675859C2	HOSE (WATER OIL COOLER)	4	2.00	8.00	4	8.00	4	8.00
X320	14	ENGINE PARTS	1802737C1	1802737C1	GEAR (INJECTION PUMP)	1	69.96	69.96	1	69.96	1	69.96
X301	14	ENGINE PARTS	606296C1	606296C1	ELBOW	5	1.53	7.65	2	3.06	1	0.00
X320	14	ENGINE PARTS	1817231C1	1817231C1	PIPE (OIL TURBO)	2	18.84	37.68	2	37.68	2	37.68
X306	14	ENGINE PARTS	675384C2	675384C2	GASKET (THERMOSTAT)	20	1.02	20.40	20	20.40	20	20.40
X321	14	ENGINE PARTS	1817232C1	1817232C1	PIPE (INJECTION)	2	18.84	37.68	2	37.68	2	37.68
X321	14	ENGINE PARTS	675609C2	675609C2	GASKET (INJECTION PUMP)	5	1.69	8.45	5	8.45	5	8.45
X327	14	ENGINE PARTS	1817233C1	1817233C1	PIPE (INJEC. TUBE)	2	18.84	37.68	2	37.68	2	37.68
X321	14	ENGINE PARTS	690174C92	690174C92	TUBE	2	7.69	15.38	2	0.00	2	0.00
X318	14	ENGINE PARTS	1815395C91	1815395C91	HEAD	1	1,522.25	1,522.25	1	1,522.25	1	1,522.25
X308	14	ENGINE PARTS	1815515C91	1815515C91	PUMP	1	1,523.20	1,523.20	1	1,523.20	1	1,523.20
X301	14	ENGINE PARTS	675600C1	675600C1	GEAR	1	119.32	119.32	1	119.32	1	119.32
X320	14	ENGINE PARTS	1811580C1	1811580C1	GUIDE (LOCK)	18	3.77	67.86	18	67.86	18	67.86
X308	14	ENGINE PARTS	1817253C93	1817253C93	PACKAGE (REBUILD KIT)	2	985.60	1,971.20	2	1,971.20	2	1,971.20
X308	14	ENGINE PARTS	1817249C91	1817249C91	PACKAGE (REBUILD KIT)	1	914.20	914.20	1	914.20	1	914.20
X301	14	ENGINE PARTS	606885C1	606885C1	CONN	2	1.43	2.86	2	2.86	2	2.86
X311	15	CLUTCH PART	FP62052RS	FP62052RS2	BEARING	10	12.19	121.90	10	121.90	10	121.90
X304	15	CLUTCH PARTS	C1072135	C1072135	CLUTCH	4	261.24	1,044.96	4	1,044.96	4	1,044.96
X310	15	CLUTCH PARTS	C1071378	C1072378	CLUTCH	8	439.00	3,512.00	8	3,512.00	8	3,512.00
X327	16	TRANSMISSION PARTS	1681402C91	1681402C91	KIT	1	22.47	22.47	1	22.47	1	22.47
X327	16	TRANSMISSION PARTS	1681403C91	1681403C91	KIT	4	0.67	2.68	4	2.68	4	2.68
X321	16	TRANSMISSION PARTS	973497R1	973497R1	BOOT (TRANS.)	1	2.20	2.20	1	2.20	1	2.20
X307	16	TRANSMISSION PARTS	496111C92	496111C92	KIT (TRANSMISSION REPAIR)	2	146.76	293.52	2	293.52	2	293.52
X328	16	TRANSMISSION PARTS	1681404C91	1681404C91	KIT	2	6.41	12.82	2	12.82	2	12.82
X327	16	TRANSMISSION PARTS	1680544C1	1680544C1	LEVER (GEAR)	2	46.77	93.54	2	93.54	2	93.54
X327	16	TRANSMISSION PARTS	70343R1	70343R1	RETAINER	8	0.36	2.88	8	2.88	8	2.88
X327	16	TRANSMISSION PARTS	1665698C91	1665698C91	KIT	2	31.14	62.28	2	62.28	2	62.28
X302	16	TRANSMISSION PARTS	286655C4	286655C4	SEAL (TRANSMISSION)	2	18.76	37.52	2	37.52	2	37.52
X328	16	TRANSMISSION PARTS	1681752C91	1681752C91	KIT	1	90.80	90.80	1	90.80	1	90.80
X322	16	TRANSMISSION PARTS	1665711C91	1665711C91	TRANS	1	3,617.42	3,617.42	1	3,617.42	1	3,617.42
X316	16	TRANSMISSION PARTS	1665723C91	1665723C91	TRANS	1	3,567.16	3,567.16	1	3,567.16	1	3,567.16
X307	16	TRANSMISSION PARTS	1677700C91	1677700C91	KIT (TRANS RPR FULLER)	1	595.00	595.00	1	595.00	1	595.00
X327	16	TRANSMISSION PARTS	1685431C91	1685431C91	KIT	2	11.83	23.66	2	23.66	2	23.66
X328	16	TRANSMISSION PARTS	593913C91	593913C91	KIT (BAFFEL SHIM)	4	6.03	24.12	4	24.12	4	24.12
X311	16	TRANSMISSION PARTS	496113C93	496113C93	KIT	2	12.50	25.00	2	25.00	2	25.00
X306	16	TRANSMISSION PARTS	496112C91	496112C91	GASK SET (TRANSMISSION)	4	27.10	108.40	4	108.40	4	108.40
X327	16	TRANSMISSION PARTS	542021C1	542021C1	LEVER (GEAR)	1	51.80	51.80	1	51.80	1	51.80
X320	16	TRANSMISSION PARTS	483054C1	483054C1	HOUSING	1	28.35	28.35	1	28.35	1	28.35
X327	16	TRANSMISSION PARTS	1677701C91	1677701C91	KIT (GASKET)	2	10.72	21.44	2	21.44	2	21.44
X328	17	REAR AXEL PARTS	1651520C91	1651520C91	KIT	2	283.84	567.68	2	567.68	2	567.68
X328	17	REAR AXEL PARTS	597105C91	597105C91	GEAR SET	1	200.20	200.20	1	200.20	1	200.20
X328	17	REAR AXEL PARTS	597108C1	597108C1	WASHER	2	2.23	4.46	2	4.46	2	4.46
X315	17	REAR AXEL PARTS	597090C91	597090C91	DIFFEREN	1	2,808.50	2,808.50	1	2,808.50	1	2,808.50
X303	17	REAR AXEL PARTS	597180C91	597180C91	CASE	1	222.60	222.60	1	222.60	1	222.60
X329	17	REAR AXEL PARTS	597253C91	597253C91	GEAR (SET)	1	572.60	572.60	1	572.60	1	572.60
X303	17	REAR AXEL PARTS	597163C1	597163C1	CASE (GEAR & PINION)	1	142.80	142.80	1	142.80	1	142.80
X311	17	REAR AXEL PARTS	1651278C91	1651278C91	GEAR SET	2	306.59	613.18	2	613.18	2	613.18
X305	17	REAR AXEL PARTS	571351C2	571351C2	SHAFT (AXLE)	4	226.49	905.96	4	905.96	4	905.96
X305	17	REAR AXEL PARTS	577506C1	577506C1	SHAFT (AXLE)	4	216.72	866.88	4	866.88	4	866.88

Annex C—Truck Parts Inventory

Code	Assembly	Part A	Part B	Description	Delivered Quantity	Invoice Cost	Invoice Extension	Initial Inventory	Urea Inventory Value	Inventory December 1992	DAP Inventory Value	
X329	17	REAR AXEL PARTS	597138C91	597138C91	GEAR SET (PINION)	1	754.60	754.60	1	754.60	1	754.60
X301	17	REAR AXLE PARTS	1651281C91	1651281C91	SEAL	10	10.00	100.00	10	100.00	10	100.00
X327	18	FUEL TANKS	1677005C91	1677005C91	BOWL (FUEL)	2	33.59	67.18	2	67.18	2	67.18
X328	18	FUEL TANKS	1811495C91	1811495C91	HEATER	1	40.61	40.61	1	40.61	1	40.61
X327	18	FUEL TANKS	1618618C91	1618618C91	HARNNESS	2	7.27	14.54	2	14.54	2	14.54
X320	18	FUEL TANKS	1649608C93	1649608C93	BREATHER	5	13.09	65.45	5	65.45	5	65.45
X305	18	FUEL TANKS	1677004C91	1677004C91	ELEMENT (FUEL FILTER)	12	24.68	296.16	12	296.16		0.00
X307	18	FUEL TANKS	596589C1	596589C1	LINING (FUEL TANK RETNR)	50	0.85	42.50	50	42.50	50	42.50
X302	18	FUEL TANKS	576746C91	576746C91	CAP	10	10.32	103.20	10	103.20	10	103.20
X328	18	FUEL TANKS	1618939C2	1618939C2	BRACKET	2	16.80	33.60	2	33.60	2	33.60
X307	18	FUEL TANKS	1677003C1	1677003C1	HEAD (FUEL FILTER)	2	28.70	57.40	2	57.40	2	57.40
X306	18	FUEL TANKS	476846C1	476846C1	GAGE (FUEL GAGE FLOATER)	5	17.12	85.60	5	85.60	5	85.60
X311	18	FUEL TANKS	475255C1	475255C1	OUTLET	4	16.11	64.44	4	64.44	4	64.44
X328	18	FUEL TANKS	1811052C1	1811052C1	RING O	2	2.44	4.88	2	4.88		0.00
X317	18	FUEL TANKS	1661790C92	1661790C92	TANK	1	263.47	263.47	1	263.47	1	263.47
X328	18	FUEL TANKS	336024C1	336024C1	COVER	5	3.19	15.95	5	15.95	1	3.19
X328	18	FUEL TANKS	1618504C2	1618504C2	BRACKET	2	14.17	28.34	2	28.34	2	28.34
X320	18	FUEL TANKS	612277C2	612277C2	HEADER (FUEL)	1	34.10	34.10	1	34.10	1	34.10
X303	18	FUEL TANKS	471453C2	471453C2	STRAP	4	27.96	111.84	4	111.84	4	111.84
X328	18	FUEL TANKS	345253C1	345253C1	GASKET	5	2.27	11.35	5	11.35	5	11.35
X306	18	FUEL TANKS	1811053C1	1811053C1	RNG O	3	0.99	2.97	3	2.97		0.00
X333	18	FUEL TANKS	1664707C1	1664707C1	SUPPORT	4	37.32	149.28	4	149.28	4	149.28
X327	18	FUEL TANKS	1677006C91	1677006C91	KIT	2	6.40	12.80	2	12.80	2	12.80
X303	19	CAB RELATED PARTS	1666051C1	1666051C1	C MEMBER	2	51.97	103.94	2	103.94	2	103.94
X327	19	CAB RELATED PARTS	1664472C1	1664472C1	CABLE	4	3.60	14.40	4	14.40	4	14.40
X329	19	CAB RELATED PARTS	1664608C2	1664608C2	C MEMBER	2	92.22	184.44		0.00		0.00
X302	19	CAB RELATED PARTS	1669514C1	1669514C1	BLADE	40	5.94	237.60	20	118.80	19	112.86
X301	19	CAB RELATED PARTS	1565147C91	1665147C91	WASHER(WIND SHIELD FLUID H	2	21.25	42.50	2	42.50	2	42.50
X327	19	CAB RELATED PARTS	473935C1	473935C1	INSULATR	10	4.21	42.10	10	42.10	10	42.10
X320	19	CAB RELATED PARTS	1664767C92	1664767C92	KNOB	5	2.72	13.60	5	13.60	5	13.60
X302	19	CAB RELATED PARTS	1810061C2	1810061C2	PULLEY (STEERING PUMP)	4	25.10	100.40	4	100.40	4	100.40
X302	19	CAB RELATED PARTS	1677457C1	1677457C1	CABLE	5	10.39	51.95	5	51.95	5	51.95
X321	19	CAB RELATED PARTS	465502C1	465502C1	BLOWER (HEATER)	5	13.89	69.45	5	69.45	5	69.45
X327	19	CAB RELATED PARTS	1667752C1	1667752C1	SEAL	5	3.70	18.50	5	18.50	5	18.50
X328	19	CAB RELATED PARTS	27883R1	27883R1	PIN	5	1.60	8.00	5	8.00	5	8.00
X302	19	CAB RELATED PARTS	590981C1	590981C1	INSULATR	10	8.13	81.30	10	81.30	10	81.30
X302	19	CAB RELATED PARTS	477257C94	477257C94	LOCK (DOOR)	5	20.30	101.50	5	101.50	5	101.50
X320	19	CAB RELATED PARTS	1667169C1	1667169C1	RETAINER (SEAL & GASKET)	1	48.78	48.78	1	48.78	1	48.78
X306	19	CAB RELATED PARTS	581702C1	581702C1	CORE (-RADITOR)	3	75.39	226.17	3	226.17	3	226.17
X327	19	CAB RELATED PARTS	480796C2	480796C2	SEAL	3	1.60	4.80	3	4.80	3	4.80
X320	19	CAB RELATED PARTS	1657772C2	1657772C2	PLATE	5	4.89	24.45	5	24.45	5	24.45
X321	19	CAB RELATED PARTS	1661420C1	1661420C1	SWITCH (HEATER)	10	9.16	91.60	10	91.60	10	91.60
X301	19	CAB RELATED PARTS	477258C94	477258C94	LOCK	5	20.80	104.00	5	104.00	5	104.00
X326	19	CAB RELATED PARTS	1661508C92	1661508C92	HEATER	1	140.29	140.29	1	140.29	1	140.29
X307	19	CAB RELATED PARTS	1665129C1	1665129C1	HANDLE (DOOR)	10	9.53	95.30	10	95.30	10	95.30
X327	19	CAB RELATED PARTS	1664474C1	1664474C1	CABLE (CUT OFF)	4	7.11	28.44	4	28.44	4	28.44
X321	19	CAB RELATED PARTS	491668C92	491668C92	KIT (HOOD TIE DOWN)	4	17.63	70.52	4	70.52	4	70.52
X328	19	CAB RELATED PARTS	1669284C1	1669284C1	SPRING	5	3.68	18.40	5	18.40	5	18.40
X327	19	CAB RELATED PARTS	491179C2	491179C2	SEAL	5	1.79	8.95	5	8.95	5	8.95
X302	19	CAB RELATED PARTS	1665109C91	1665109C91	WIPER (BLADES)	40	7.32	292.80	40	292.80	42	307.44

Annex C—Truck Parts Inventory

Code	Assembly	Part A	Part B	Description	Delivered Quantity	Invoice Cost	Invoice Extension	Initial Inventory	Urea Inventory Value	Inventory December 1992	DAP Inventory Value
X312	19	CAB RELATED PARTS	449767C93	449767C93	REGULATR	5	23.66	119.30	5	119.30	
X327	19	CAB RELATED PARTS	1669516C91	1669516C91	HEAD (MIRROR)	5	57.64	288.20	5	288.20	5
X327	19	CAB RELATED PARTS	490892C1	408892C1	RETAINER	5	1.55	7.75		0.00	0.00
X328	19	CAB RELATED PARTS	469453C1	469453C1	SPACER	10	0.56	5.60	10	5.60	10
X301	19	CAB RELATED PARTS	472697C1	472697C1	BUMPER	16	4.73	75.68	16	75.68	16
X321	19	CAB RELATED PARTS	1657020C1	1657020C1	BRACKET (MIRROR BRACKET)	2	13.85	27.70	2	27.70	2
X312	19	CAB RELATED PARTS	1669786C1	1669786C1	MOTOR	5	36.65	183.25	5	183.25	5
X320	19	CAB RELATED PARTS	1664769C91	1664769C91	CONTROL (HEATER)	10	5.85	53.50	10	58.50	10
X328	19	CAB RELATED PARTS	1812736C1	1812736C1	BRACE	2	7.10	14.20	2	14.20	2
X327	19	CAB RELATED PARTS	1669515C91	1669515C91	HEAD (MIRROR)	5	57.64	288.20	5	288.20	
X306	19	CAB RELATED PARTS	475941C1	475941C1	INSULATOR	10	5.95	59.50	10	59.50	10
X331	19	CAB RELATED PARTS	1667820C2	1667820C2	BUMPER (FRONT)	1	224.50	224.50	1	224.50	1
X327	19	CAB RELATED PARTS	1664473C1	1664473C1	CABLE (GAS)	4	3.79	15.16	4	15.16	4
X302	19	CAB RELATED PARTS	1657018C1	1657018C1	BRACKET	2	13.99	27.98	2	27.98	2
X327	19	CAB RELATED PARTS	1667752C1	490892C1	SEAL (RETAINER)	5	3.70	18.50	5	18.50	5
X328	19	CAB RELATED PARTS	1657750C1	1667750C1	RETAINER	5	3.01	15.05	5	15.05	5
X328	19	CAB RELATED PARTS	1649776C1	1649776C1	HANDLE (WINDOW)	10	7.62	76.20	10	76.20	10
X321	19	CAB RELATED PARTS	1664768C92	1664768C92	KNOB	5	2.80	14.00		0.00	0.00
X301	19	CAB RELATED PARTS	1669810C1	1669810C1	SEAL	5	6.57	32.85	5	32.85	5
X336	19	CAB RELATED PARTS	ZBDMF31E	ZBDMF31E	BATTERY	10	80.75	807.50		0.00	0.00
X301	19	CAB RELATED PARTS	1657017C1	1657017C1	BRACE	2	11.81	23.62	2	23.62	2
X303	19	CAB RELATED PARTS	1660092C2	1660092C2	CHASSIE MEMBER	2	95.14	190.28	2	190.28	2
X327	19	CAB RELATED PARTS	590983C1	590983C1	SPACER	10	3.60	36.00	10	36.00	10
X321	19	CAB RELATED PARTS	1667760C1	1667760C1	BUSHING	5	2.32	11.60	5	11.60	5
X327	19	CAB RELATED PARTS	25519R1	25519R1	NUT	100	0.14	14.00	100	14.00	100
X301	19	CAB RELATED PARTS	473987C3	473987C3	INSULATR	10	3.46	34.60	10	34.60	10
X306	19	CAB RELATED PARTS	1661843C91	1661843C91	MOTOR	5	80.18	400.90	5	400.90	5
X301	19	CAB RELATED PARTS	1657016C1	1657016C1	ARM	2	16.91	33.82	2	33.82	2
X301	19	CAB RELATED PARTS	449766C93	449766C93	REG ASSY	5	25.03	125.15	5	125.15	5
X301	20	WHEELS	581694C1	581694C1	LOCK	10	3.37	33.70	10	33.70	10
X328	20	WHEELS	FP3720	FP3720	BEARING	25	4.84	121.00	25	121.00	25
X321	20	WHEELS	FPS72	FPS72	BEARING	25	10.39	259.75	24	249.36	25
X323	20	WHEELS	504115C1	504115C1	DRUM	8	100.67	805.36	8	805.36	8
X328	20	WHEELS	504150C1	504150C1	WASHER	20	1.34	26.80	20	26.80	20
X312	20	WHEELS	FP5924	FP5924	BEARING	25	12.89	322.25	25	322.25	25
X328	20	WHEELS	472274C1	472274C1	STUD	20	1.20	24.00	20	24.00	20
X306	20	WHEELS	FP580	FP580	BEARING	25	16.74	418.50	25	418.50	24
X302	20	WHEELS	FP594A	FP594A	BEARING	25	19.45	486.25	25	486.25	25
X328	20	WHEELS	1663196C1	1663196C1	WASHER	10	1.26	12.60	10	12.60	10
X311	20	WHEELS	FPHH212011	FPHH212011	BEARING	25	7.92	198.00	20	158.40	21
X321	20	WHEELS	1654331C1	1654331C1	SEAL (FRONT WHEEL)	25	18.61	465.25	25	465.25	25
X311	20	WHEELS	472277C1	472277C1	CLAMP	2	2.59	5.18	2	5.18	2
X302	20	WHEELS	54495R2	54495R2	NUT	25	0.53	13.21	25	13.21	25
X328	20	WHEELS	1663195C1	1663195C1	NUT	10	3.65	36.50	10	36.50	10
X324	20	WHEELS	457550C1	457550C1	DRUM	8	80.50	644.00	16	1,288.00	8
X301	20	WHEELS	FPHM212049	FPHM212049	BEARING	3	14.15	42.45	3	42.45	3
X328	20	WHEELS	24889R1	24889R1	BOLT	20	1.09	21.71	20	21.71	20
X328	20	WHEELS	157501R1	157501R1	NUT	10	3.29	32.90	10	32.90	10
X320	20	WHEELS	1663197C1	1663197C1	LOCK (AXLE BEARING)	10	1.27	12.70	10	12.70	10
X309	21	DT-466 ENGINE PARTS	AFR8987	AFR8987	PACKAGE	50	18.31	915.50	72	1,318.32	72

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Annex C—Truck Parts Inventory

Code	Assembly	Part A	Part B	Description	Delivered Quantity	Invoice Cost	Invoice Extension	Initial Inventory	Urea Inventory Value	Inventory December 1992	DAP Inventory Value	
X320	21	DT-466 ENGINE PARTS	1664886C1	1664886C1	HOSE	20	6.44	128.80	50	322.00	50	322.00
X328	21	DT-466 ENGINE PARTS	279029R91	279029R91	CLAMP	50	1.36	68.00		0.00		0.00
X301	21	DT-466 ENGINE PARTS	1660345C91	1660345C91	ELEMENT	60	11.61	696.60	60	696.60	60	696.60
X301	21	DT-466 ENGINE PARTS	122322R91	122322R91	CLAMP	10	17.44	174.40		0.00		0.00
X332	21	DT-466 ENGINE PARTS	FFR85020	FFR85020	FILTER	50	0.83	41.50	50	41.50	50	41.50
X307	21	DT-466 ENGINE PARTS	L22770	L22770	BELTS	120	5.36	643.20	120	643.20	96	514.56
X304	21	DT-466 ENGINE PARTS	1811953C1	1811953C1	FILTER	15	12.39	185.85	15	185.85	15	185.85
X314	21	DT-466 ENGINE PARTS	AFR979R	AFR8379M	PACKAGE	144	9.28	1,336.32	144	1,336.32	144	1,336.32
X311	21	DT-466 ENGINE PARTS	L17690	L17690	BELT	24	39.13	939.12	24	939.12	24	939.12
X321	21	DT-466 ENGINE PARTS	122323R91	122323R91	CLAMP (HOSE)	15	9.31	139.65	15	139.65	15	139.65
X313	21	DT-466 ENGINE PARTS	AFR979R	AFR0979M	PACKAGE	50	0.55	27.50	50	27.50	50	27.50
X327	21	DT-466 ENGINE PARTS	L2643505	L2643505	HOSE	24	39.13	939.12	24	939.12	26	1,017.38
X333	21	DT-466 ENGINE PARTS	FFR85020	FFR85020	FILTER	200	1.18	236.00	200	236.00	200	236.00
X320	21	DT-466 ENGINE PARTS	L17701	L17701	BELT	24	5.36	128.64	24	128.64		0.00
X332	21	DT-466 ENGINE PARTS	FFR85019	FFR85019	FILTER	14	9.32	130.48	14	130.48	68	633.76
X309	21	DT-466 ENGINE PARTS	AFR8979N	AFR8979N	PACKAGE	144	6.78	976.32	144	976.32	108	732.24
X311	21	DT-466 ENGINE PARTS	L17521	L17521	BELT	2	39.13	78.26	2	78.26		0.00
X321	22	ELECTRICAL PARTS	1661762C1	1661762C1	LIGHT	15	7.34	110.10	15	110.10	11	80.74
X320	22	ELECTRICAL PARTS	1661292C91	1661292C91	LIGHT (STOP)	5	13.93	69.65		0.00		0.00
X328	22	ELECTRICAL PARTS	27584R1	ZJS561	LAMP MIN	20	15.26	305.20	20	305.20	20	305.20
X312	22	ELECTRICAL PARTS	505471C92	1686721C91	LIGHT	20	0.73	14.60	20	14.60		0.00
X301	22	ELECTRICAL PARTS	476245C1	476245C1	FLASHER	8	25.21	201.68	8	201.68	6	151.26
X306	22	ELECTRICAL PARTS	30587R1	GE6052	LAMP (HEADLIGHT)	15	11.52	172.30	7	80.64	7	80.64
X328	22	ELECTRICAL PARTS	26617R1	ZJS168	LAMP	30	9.49	284.70	30	284.70	30	284.70
X311	22	ELECTRICAL PARTS	131224C1	131224C1	FUSE	50	0.25	12.50	50	12.50	50	12.50
X327	22	ELECTRICAL PARTS	131282	2JS53	LAMP	100	0.43	43.00	100	43.00		0.00
X321	22	ELECTRICAL PARTS	1261437C1	2JS37	LAMP	50	0.29	14.50		0.00		0.00
X321	22	ELECTRICAL PARTS	142452	2JSB9	LAMP	50	0.34	17.00	50	17.00	50	17.00
X327	22	ELECTRICAL PARTS	131222C1	131222C1	FUSE	50	0.34	17.00		0.00		0.00
X307	22	ELECTRICAL PARTS	1661261C91	1661261C91	LIGHT	100	0.49	49.00	100	49.00	100	49.00
X301	22	ELECTRICAL PARTS	1669581C1	1669581C1	LENS	20	16.77	335.40	18	301.86	18	301.86
X301	22	ELECTRICAL PARTS	ZJS3157	ZJS3157	LAMP	5	6.15	30.75	5	30.75		0.00
X301	22	ELECTRICAL PARTS	451677C92	451677C92	LIGHT	50	0.85	42.50		0.00		0.00
X311	22	ELECTRICAL PARTS	9147866	ZJS1156	LIGHT	5	2.03	10.15	3	6.09	3	6.09
X312	22	ELECTRICAL PARTS	1661761C92	1661761C92	LIGHT	50	0.57	28.50	50	28.50		0.00
X301	22	ELECTRICAL PARTS	9417867	CJ51157	LIGHT	5	13.93	69.65	5	69.65	3	41.79
X328	23	REAR BRAKES	586797C1	586797C1	RING	50	0.28	14.00		0.00		0.00
X328	23	REAR BRAKES	574889C1	574889C1	SPRING	15	0.25	3.75	15	3.75	15	3.75
X301	23	REAR BREAKS	594891C1	594891C1	ADJUSTER	14	5.15	72.10	14	72.10	14	72.10
X304	23	REAR BREAKS	991071C91	1691135C91	CHAMBER (BRAKE)	4	20.10	80.40	4	80.40	4	80.40
X321	23	REAR BRAKES	56121R3	56121R3	SEAL	5	70.69	353.45	5	353.45	5	353.45
X328	23	REAR BRAKES	983622R1	983622R1	PIN	16	0.71	11.36	16	11.36	16	11.36
X320	23	REAR BREAKS	126404R1	126404R1	ROLLER	20	0.27	5.40	20	5.40	20	5.40
X328	23	REAR BRAKES	586796C1	586796C1	WASHER	20	1.57	31.40	20	31.40	20	31.40
X328	23	REAR BRAKES	574062C1	574062C1	WASHER	15	0.27	4.05	15	4.05	15	4.05
X321	23	REAR BREAKS	1685491C1	1685491C1	SPRING (BRAKE)	15	0.45	6.75	15	6.75	15	6.75
X301	23	REAR BREAKS	871934R1	871934R1	DIAPHRAM	20	0.88	17.60	20	17.60	20	17.60
						5	3.61	18.05	5	18.05	5	18.05
TOTAL							89,428.60		89,188.07		89,952.44	

Annex D
Inventory of Trucks

**Annex D
Inventory of Trucks**

Truck Number	Odometer Reading (km)	Fuel Tank	Radio Y-N	Spare Tire Y-N	Tire Jack Y-N	Lug Wrench Y-N	General Conditions	Key	Plastic Sheet	Notes for Missing/Inoperative Parts or Damage
1	6,137	1/2	N	Y	Y	Y	Good	2	Y	Signal of safety belt, backup up signal light.
2	6,504	1/4	N	Y	Y	Y	Good	1	N	Backup signal light, lock of spare tire.
3	9,248	1/4	N	Y	Y	Y	Good	2	N	Backup signal light, horn does not work, paint scratch on the left hood, rear turn signal does not work.
4	5,112	1/4	N	Y	Y	Y	Good	1	N	Backup signal light.
5	5,537	<1/4	N	Y	Y	Y	Good	2	N	Backup signal light.
6	5,719	3/4	N	Y	Y	Y	Good	2	N	Backup signal light, lock of spare tire.
7	5,441	1/2	N	Y	Y	Y	Good	2	N	Backup signal light, one mirror missing, one mirror broken, back left tire scratched.
8	-		N	N	N	N			Y	Damaged from wreck
9	5,548	1/4	N	Y	Y	Y	Good	2	N	Backup signal light, half loaded with dunnage.
10	7,673	1/8	N	Y	Y	Y	Good	1	N	Backup signal light, plastic sheet missing
11	2,168	1/4	Y	Y	Y	Y	Good	2	N	Backup signal light, lock of spare tire, fully loaded with dunnage.
12	2,480	1/4	Y	Y	Y	Y	Good	1	N	Fully loaded with dunnage.
13	3,694	<1/4	N	Y	Y	Y	Good	2	N	Lock of spare tire, fully loaded dunnage.
14	2,862	-	Y	Y	Y	Y	Good	2	N	Backup signal light, lock of spare tire.
15	3,331	-	N	Y	Y	Y	Good	2	N	Radio, two speakers and antenna missing.

(Continued)

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Annex D
Inventory of Trucks
(Continued)

Truck Number	Odometer Reading (km)	Fuel Tank	Radio Y-N	Spare Tire Y-N	Tire Jack Y-N	Lug Wrench Y-N	General Conditions	Key	Plastic Sheet	Notes for Missing/Inoperative Parts or Damage
16			N	N	N	N	Damaged from wreck	1		Changed the lock of spare tire.
17	2,797	1/4	N	Y	Y	Y	Good	2		Lock of spare tire, handle for tire jack, antenna and two speakers, damaged at the right side of hood.
18	3,017	-	Y	Y	Y	N	Good	2		Damaged at both sides of hood.
19	3,443	1/2	Y	Y	Y	Y	Good	2		Lock of spare tire, three rear tail lights, half loaded with dunnage.
20	3,459	1/8	Y	Y	Y	Y	Good	2		
21	5,362	1/4	Y	Y	N	Y	Good	1		Handle of lug wrench, backup signal light, rear turn signal not working, has a third seat from the truck No. 8, which was wrecked.
22	4,418	-	N	Y	Y	Y	Good	2		Radio speakers and antenna missing, backup signal light, changed the spare tire lock.
23	4,500	1/4	N	Y	Y	Y	Good	2		Lock of spare tire, radio, one speaker, and antenna missing. Small damage on the right side of bumper.
24	3,585	3/4	N	N	Y	N	Good	2		Spare tire, chain, lock, and two speakers missing.
25	3,284	-	N	Y	Y	Y	Good	2		Changed the lock, a small damage on the hood.
26	5,230	1/4	Y	Y	Y	Y	Good	2		Lock of spare tire, antenna, fully loaded with dunnage.
27	2,623	4/4	Y	Y	Y	N	Good	1		Lock of spare tire and chain, half loaded with dunnage.
28	2,476	1/4	N	Y	Y	Y	Good	2		Radio, speakers, and antenna.
29	2,991	<1/4	Y	Y	Y	Y	Good	2		Changed the lock.
30	3,362	1/4	N	Y	Y	Y	Good	2		

Note: Odometer readings for truck numbers 11-30 are in miles.

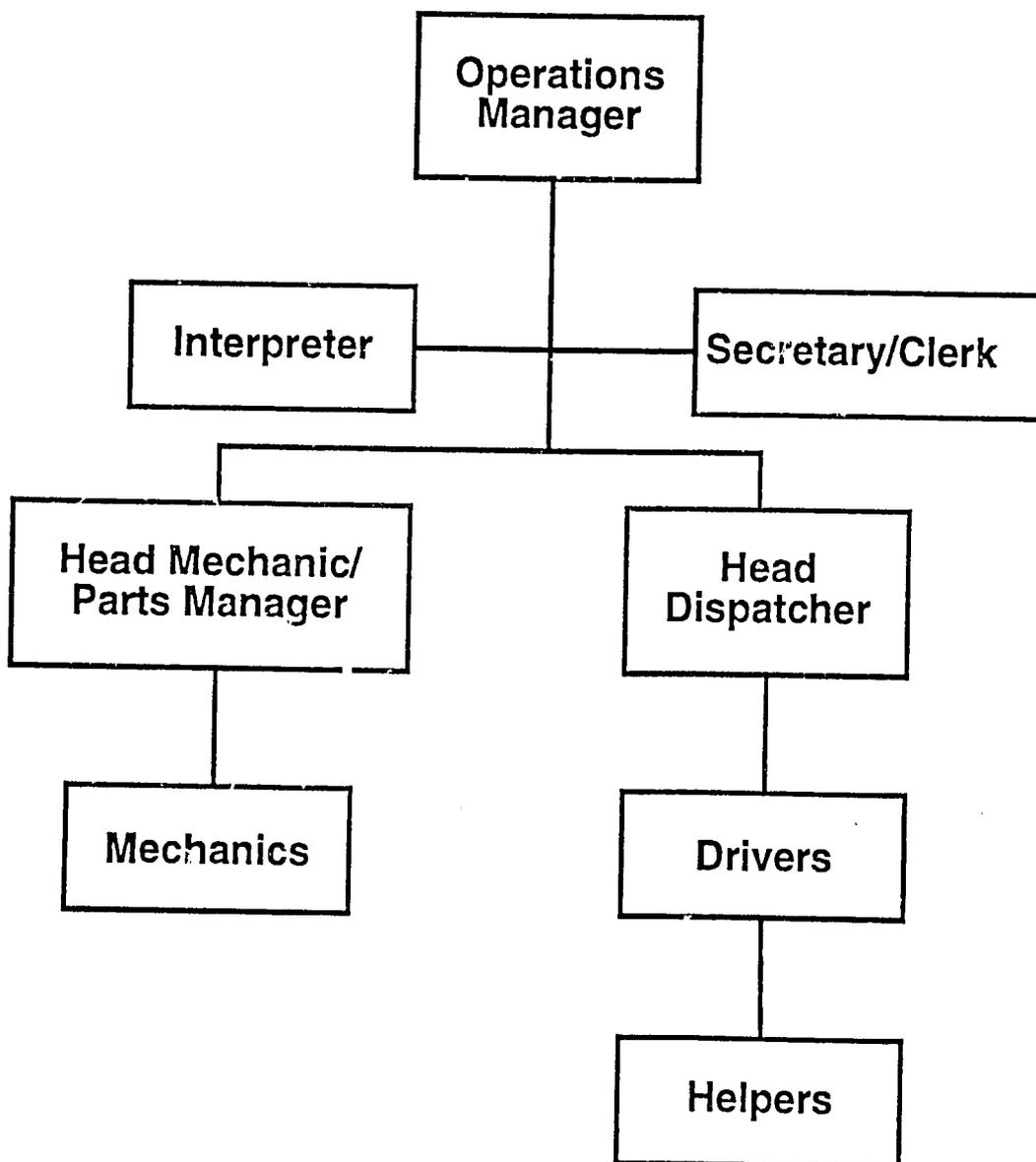
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Annex E
IFDC Truck Personnel, Organization, and Job Descriptions

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Annex E

Organization Chart for IFDC Truck Operation



Annex E

Truck Operations; Job Descriptions

Operations Manager

The Operations Manager is an IFDC-provided expatriate consultant. He was assigned responsibility for overall operations of the IFDC truck fleet consisting of thirty (30) vehicles and a supporting spare parts inventory.

The Dispatcher, Interpreter, Head Mechanic/Parts Manager, two Mechanics, a Secretary/Clerk, various numbers of drivers and drivers' helpers report to him.

He is responsible for the correctness of reports submitted by subordinates prior to submission to the IFDC Chief of Party, for hiring and firing of drivers, for ensuring that the drivers have the correct licenses, for road testing the drivers, for providing training and ensuring that drivers perform pretrip inspections. He must enforce IFDC policies in regard to theft; drinking while driving; straying from the assigned route; traveling excessive kilometers for one trip; hauling private loads, etc., and interface with other IFDC personnel in the scheduling of loads or problem solving. He is responsible for: distribution of payroll, maintaining pay records, and obtaining drivers' signatures upon receipt of pay; distribution of weekly expenses and related paperwork. He must ensure that an adequate supply of fuel is available including the purchase and dispensing of fuel coupons; hold bimonthly meetings to discuss any problems currently being experienced; inform drivers of any policy changes, etc. He is responsible for periodic visits to warehouses to ensure that vehicles are being offloaded in a timely manner.

Head Dispatcher

The Head Dispatcher must assign destinations to drivers based on driver ability, seniority, and road conditions; ensure that drivers perform daily vehicle inspections before starting the engine at the beginning of each shift change; report any obvious defects or problems to the mechanic; solve any problems concerned with loading trucks at origin as well as any returned loaded trucks; maintain attendance record for payroll records; and perform various other duties as directed by his supervisor.

Head Mechanic/Parts Manager

The Head Mechanic/Parts Manager is responsible for parts inventory, maintaining inventory records, and providing daily, weekly, and monthly parts usage reports and must

be familiar with basic mechanical functions of diesel engines; maintain vehicle service records; be responsible for direction of subordinate mechanics in the performance of their daily duties to ensure that the work is completed satisfactorily; perform yard check every morning and note any visible damages or problems and ensure their correction; perform cosmetic damage check at the same time and inform Operations Manager of any new damage to the vehicles; and inform the Operations Manager of the vehicles that are scheduled for maintenance and set scheduling so as not to interfere with daily operations.

Secretary/Clerk

The Secretary/Clerk must maintain all expense records including requests and reports; Make sure all receipts are attached to expense reports; have requests for advances prepared every Saturday morning to either be faxed to Tirana or sent by vehicle; be responsible for distributing expenses and payroll to the staff and drivers; and ensuring that all payroll records are maintained correctly and all money is accounted for.