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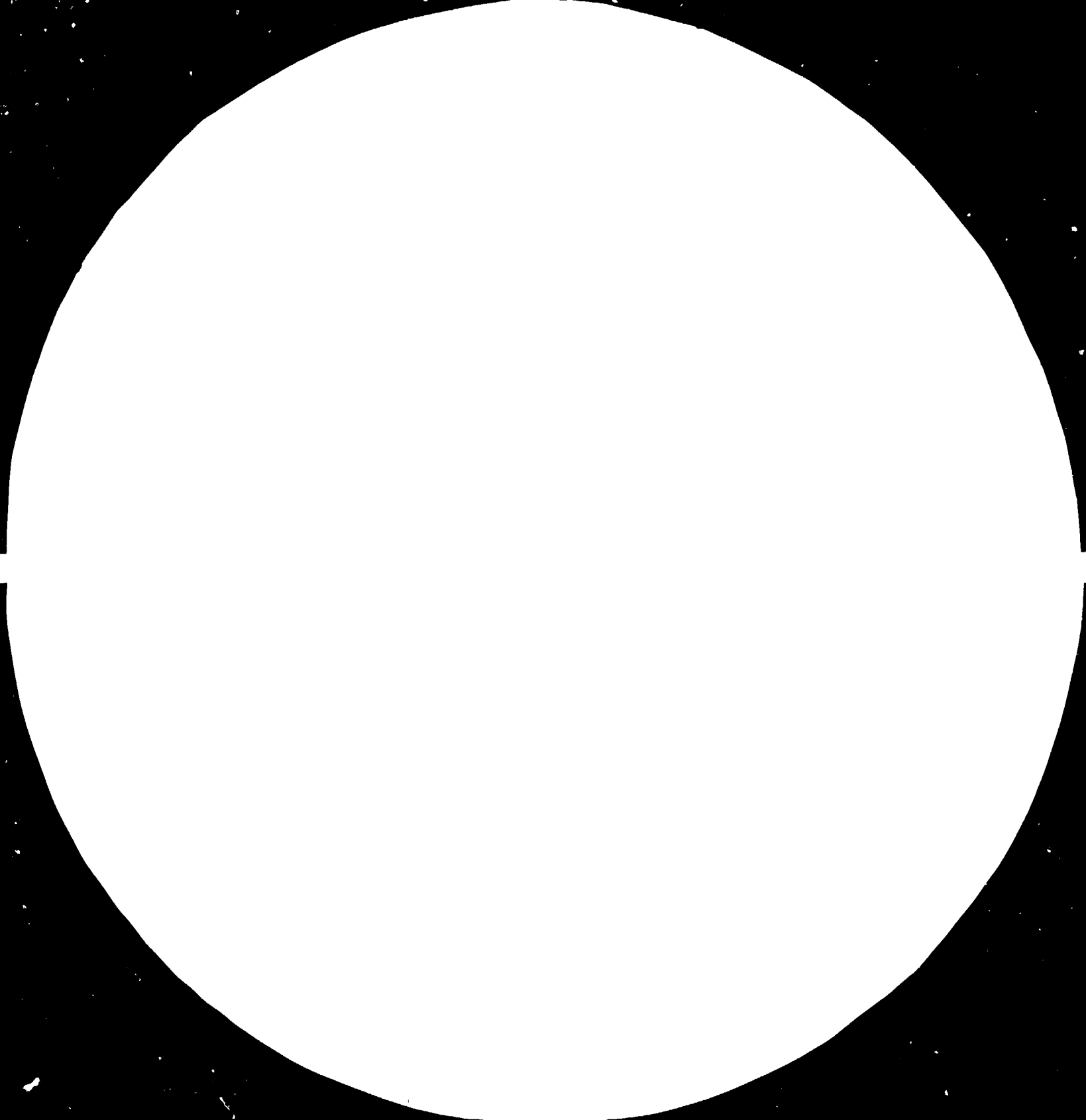
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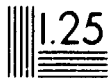
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**DEVELOPMENT OF
CAPITAL GOODS INDUSTRIES**

DP/TUR/76/034

TURKEY

Technical Report No. XXIX - Report on Computerisation
of Demand Data for
the Ore Mining Industry (ETIBANK)

Aralık 1983

UNITED NATIONS DEVELOPMENT PROGRAMMES IN TURKEY

UNITED NATIONS INDUSTRIAL DEVELOPMENT ORGANISATION

RESTRICTED

English

DEVELOPMENT OF
CAPITAL GOODS INDUSTRIES
DP/TUR/76/034
TURKEY

Technical Report No. XXIX - Report on Computerisation of Demand data for
the Ore Mining Industry (ETIBANK)

Prepared for the Government of Turkey
by the United Nations Industrial Development Organisation
acting as executing agency for the United Nations Development Programme

Based on the work of
Capital Goods Development Project in Turkey

United Nations Industrial Development Organisation
Vienna

This report has not been cleared with the United Nations Industrial Development
Organisation which does not, therefore, necessarily share the views presented.

Birleşmiş Milletler Kalkınma Programı

UNITED NATIONS  NATIONS UNIES
DEVELOPMENT PROGRAMME IN TURKEY
CAPITAL GOODS DEVELOPMENT PROJECT IN TURKEY

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CAPITAL GOODS DEVELOPMENT PROJECT IN TURKEY

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REPORT ON
COMPUTERISATION OF DEMAND DATA

CHAPTER I

1. INTRODUCTION

- 1.1. Capital Goods Development Project conducted by SPO in close collaboration with the United Nations Industrial Development Organisation (UNIDO) aimed to expand the capital goods manufacturing industries. For planning of this critical industry, demand data collected from the sectors selected by the Government has been computerised according to the methodology for the project detailed in Technical Report No. I. The sectors selected are given on table 1.
- 1.2. State Institute of Statistics (SIS) at the request of SPO, carried out the computerisation under the guidance of the Capital Goods Project.
- 1.3. This report gives the updated input data and outputs of computerisation for ETIBANK.
Details of the demand for capital goods according to earlier plans and programmes were given in the Technical Report No. XVI.
- 1.4. The future plans have been reassessed by SPO and indicated in the draft of the 5th. Five Year Plan. Accordingly the demand for capital goods has been updated based on the revised plans. These have been used as inputs for this aggregation.


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- 1.5. The main objective of the computerisation is aggregation of the total national demand for plate fabricated equipment (in terms of permutations and combinations of codified range of weight, types of material and plate thicknesses) and for other machinery in terms of major specifications and nomenclature.
- 1.6. The study was conducted by Mrs. Emine Abdelal, SPO expert under the direction of Mr. M.M. Luther, Chief Technical Adviser, Capital Goods Project.
- 1.7. The project management is grateful to SIS President Mr. Nihat Guner, Head of the Technical Department Mr. Sefik Yıldızeli and Mr. Erdal Bozkus who carried out the computerisation work.
- 1.8. Mr. Vahit Erdem, National Project Coordinator of the Capital Goods Development Project and Head of Sectoral Planning Division, SPO, has been associated with the work at all stages.


112-83
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CAPITAL GOODS PROJECT IN TURKEY.

CAPITAL GOODS DEVELOPMENT PROJECT IN TURKEY

NATIONAL PRIORITIES

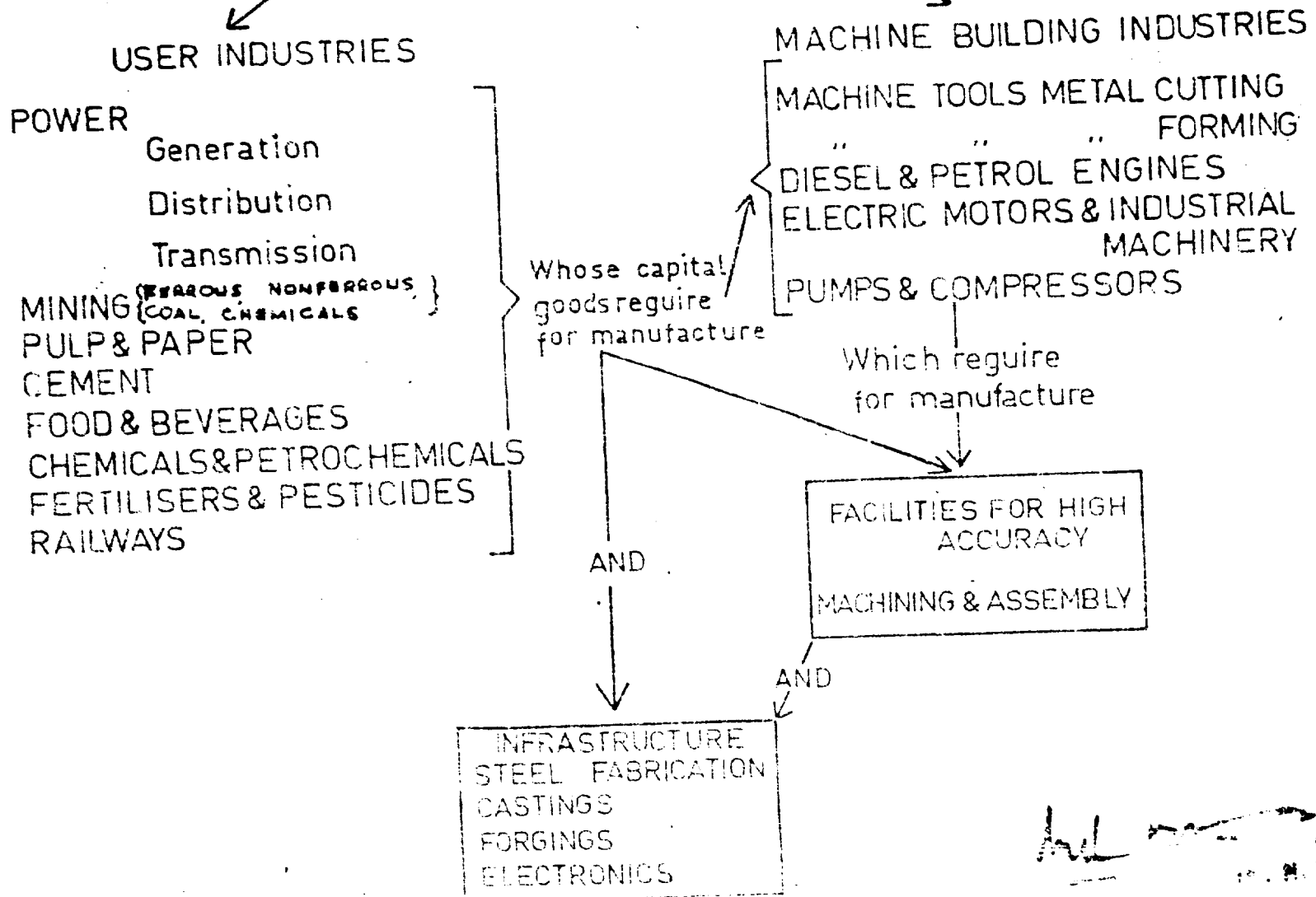


Table no. 1.

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CHAPTER II

2.1. Objectives of the Capital Goods Development Project and computerisation

2.1.1. The main objective of the Capital Goods Development

Project is to plan the long range development of capital goods industry in Turkey through identification of requirements of machinery and plate fabricated equipment of industrial plants planned to be constructed up to 2000. and prepare plans for their manufacture by expansion/modernisation/rehabilitation of existing units, modification of new units being set up and if still necessary by new investments.

2.1.2. The demand for capital goods for process industries

has been determined by following the methodology presented in Technical Report No. 1. Methodology for Planning of Capital Goods Industries by CTA, UNIDO. It deals with the details of equipment and machinery in terms of their specifications as well as manufacturing characteristics.

2.1.3. A 15 digit system based on the 5 digit SITC code has been

evolved to cover all capital goods expected to be used in sectors considered by the Capital Goods Development Project in Turkey. The first 5 digits are the SITC codes and classify machines and equipment according to their functions. The next 9 digits have been allocated for definition of nomenclature, specifications and manufacturing characteristics, and the last digit is used for information on whether it is imported or manufactured in Turkey. This system is schematically shown on Page 7.

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2.1.4. The capital goods requirement up to 2000 by

ETIBANK have been determined and codified under 15 digit codes. The information gathered are transferred on to a computer programme and data aggregated. The computer outputs give the total requirement for capital goods both by weight and cost, yearwise, on the basis of anticipated year of commissioning of user plants. The results are analyzed with respect to existing manufacturing capacity for different types of capital goods to different specifications so that additional manufacturing facilities where necessary can be planned in time.

2.1.5. The computer outputs are mainly of three types. The first one shows the equipment requirement by 5 digit. The second one shows the demand for plate fabricated equipment in terms of weight, material and plate thickness. The third one is the 15 digit aggregation of machinery.

2.2. The capital goods requirement of Etibank mentioned in the related technical report No.XVI have been updated on the basis of the draft 5th. Five Year Plan and data computerised. The updated project list is on table No.2

UNIDO-CAPITAL GOODS DEVELOPMENT PROJECT IN TURKEY

COMPARISON OF INVESTMENT PROJECTIONS IN
PROJECT'S TECHNICAL REPORTS AND THOSE, INDICATED BY SPO WITH REFERENCE
TO FIFTH 5 - YEAR DEVELOPMENT PLAN IN APRIL '83

ORE MINING (ETIBANK)

PLANT NAME	TECHNICAL REPORT NO. XVI		SPO APRIL - 1983		REMARKS
	CAP(T/Y) RUN OF MINE ORE	ANT. YEAR OF COMM.	CAP(T/Y) RUN OF MINE ORE	ANT. YEAR OF COMM.	
1) MINING					
A) NEW MINES					
Küre copper mine	1,040,000	1985	1,116,000	1985	
Siirt copper mine	600,000	1986	600,000	1986	
Rize copper mine	600,000	1987	600,000	1987	
Milas Bauxite mine	580,000	1991	580,000	1991	
Gümüşköy silver "	1,000,000	1986	0,000	1986	
Köprübaşı uranium mine	160,000	1988	160,000	1988	
Balıkesir lead & zinc "	72,000	1985	72,000	1985	
Mazıdağı phosphate mine	1,670,000	1985	0,000	1985	
B) MODERNIZATION					
Emet colemanite mine	930,000	1990	930,000	1990	
C) EXPANSION					
Bigadiç colemanite mine	400,000	1990	400,000	1990	
Bigadiç colemanite mine	400,000	1990	400,000	1990	
Bigadiç colemanite mine concentration	250,000	1983	250,000	1983	
Seydişehir alumina	240,000	1986	240,000	1986	
D) REPLACEMENT					
Seydişehir bauxite mine	-	1990	-	1990	
Bigadiç colemanite mine	-	1990	-	1990	
Bandırma borax mine	-	1983	-	1983	
Beyşehir baryte mine	-	1983	-	1983	
Haliköy mercury mine	-	1986	-	1986	
Uludağ tungsten mine	-	1990	-	1990	
Kırka borax mine	-	1983	-	1983	
Cumaovası perlite mine	-	1989	-	1989	
Uçköprü chromite mine	-	1985	-	1985	
Antalya ferro-chrome "	-	1999	-	1999	
Emet colemanite mine	-	1990	-	1990	
Artvin copper mine	-	1984	-	1984	
Elazığ copper mine	-	1984	-	1984	
Elazığ ferro-chrome "	-	1986	-	1986	
Bursa colemanite mine	-	1990	-	1990	
Isparta sulphur mine	-	1989	-	1989	
Elazığ chromite mine	-	1988	-	1988	
2) MANUFACTURING					
Kırka Eskişehir Boron compounds(N)	30 T/H	1983	30 T/H	1983	
Bandırma boric acid plant (E)	100,000T/Y	1985	100,000T/Y	1985	

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UNIDO- CAPITAL GOODS DEVELOPMENT PROJECT IN TURKEY

Page 7.

LAYOUT OF 15 DIGIT CODES FOR CAPITAL GOODS

1 2 3 4 5	SITC Group name
6 7	Machine name
8	Major specification(Capacity)
9	Major specification(Optional)
10	Major specification(Optional)
11	Type
12	Manufacturing Charac.1(Weight
13	Manufacturing Charac.2(x)
14	Manufacturing Charac.3(xx)
15	Origin

(x) Type of material in the case of fabricated equipment (e.g. type of steel) and that of principal parts in the case of machines (e.g. type of casting).

(xx) Plate thickness in the case of fabricated equipment and maximum weight of component in the case of machinery.

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CHAPTER III

CONCLUSIONS

3.1. CONCLUSIONS

3.1.1. The demand for capital goods for ETIBANK
 in the period 1981-1990 is as under

	<u>Weight (Tons)</u>	<u>Value (1000 \$)</u>
Fabricated equipment	17544.3	41599.7
Machinery	28062.9	213629.1
Grand total	45607.2	255228.8

3.1.2. The demand for capital goods for ETIBANK
 in the period 1990-2000 is as under:

	<u>Weight (Tons)</u>	<u>Value (1000\$)</u>
Fabricated equipment	NIL	NIL
Machinery	"	"
Grand total	"	"

74342	BLOWERS	9	3.3	.0	.0	36.0	.0	.0	.0	.0	.0	.0	39.3
74351	CENTRIFUGES	7	3.4	3.2	.0	12.0	.0	.0	.0	.0	.0	.0	21.6
74361	FILT. AND PURIFYING APP. FOR GAS	71	27.6	105.4	22.7	29.0	32.0	.0	.0	.0	.0	.0	238.7
74362	FILT. AND PURIFYING APP. FOR LIQ	32	132.4	427.0	313.4	1955.3	623.5	3.5	.0	2043.0	115.5	.0	4783.8
74411	****	353	12.0	1274.0	1553.5	1147.0	237.0	350.0	837.0	136.0	248.0	657.0	6549.5
74420	FORKLIFT, DUMP, TRAILER TRUCKS	22	.0	.0	50.0	.0	.0	.0	.0	.0	.0	.0	50.0
74421	PULLEY TACKLE AND HOISTS	1	.0	.0	.0	.0	10.5	.0	.0	.0	.0	10.5	21.0
74422	SHIP DERRICKS-CRANES	7	.0	.0	48.0	25.0	.0	.0	49.0	6.0	.0	.0	128.0
74424	LIFTS AND SHIP HOISTS	2	.0	40.0	.0	.0	.0	.0	.0	.0	.0	.0	40.0
74426	CONVEYORS-MECHANICAL	233	113.0	115.0	1235.0	330.3	135.5	15.2	22.5	8.0	109.0	3.0	2148.3
74428	STACKERS, DUMPERS	53	.0	109.0	.0	225.0	.0	.0	.0	.0	.0	.0	325.0
74525	****	3	.0	.0	.8	1.0	.0	.0	.0	.0	1.0	.0	2.8
74152	WEIGHING MACHINERY	20	.0	.0	106.0	.0	.0	.0	.0	.0	.0	.0	106.0
TOTAL :		2493	1393.1	5545.0	9311.9	11635.1	3947.5	978.4	1106.7	3894.2	2158.6	1130.7	45507.2

74342	BLOWERS	9	15.4	.0	.0	480.0	.0	.0	.0	.0	.0	.0	495.4
74351	CENTRIFUGES	7	150.8	75.4	.0	640.0	.0	.0	.0	.0	.0	.0	866.2
74361	FILT. AND PURIFYING APP. FOR GAS	71	372.2	334.0	204.0	36.0	52.0	.0	.0	.0	.0	.0	1348.2
74362	FILT. AND PURIFYING APP. FOR LIQ	92	2883.2	373.0	1431.0	3984.5	1666.0	210.0	.0	2710.0	860.0	.0	914067.7
74411	FORKLIFT, DUMP, TRAILER TRUCKS	353	7.9	5239.7	9204.31	821.4	907.1	1224.2	2726.5	150.0	1169.5	1883.0	333344.5
74421	PULLEY TACKLE AND HOISTS	8	.0	.0	.0	.0	3315.0	.0	.0	.0	.0	.0	3315.0
74422	SHIP DERRICKS, CRANES	7	.0	.0	72.0	25.0	.0	.0	10.0	6.0	.0	.0	113.0
74424	LIFTS AND SHIP HOISTS	2	.0	2090.0	.0	.0	.0	.0	.0	.0	.0	.0	2090.0
74426	CONVEYORS, MECHANICAL	234	444.7	1574.4	2542.4	2014.6	1267.0	434.0	362.0	342.0	574.9	342.0	15104.0
74428	STACKERS, DUMPERS	53	.0	260.0	.0	590.0	.0	.0	.0	.0	.0	.0	850.0
74525	****	3	.0	.0	1.5	19.0	.0	.0	.0	.0	7.0	.0	27.5
79132	****	20	.0	.0	260.0	.0	.0	.0	.0	.0	.0	.0	260.0
TOTAL :		2470	6750.3	11632.0	38473.0	89216.5	16202.9	8418.8	7350.5	13470.1	17603.6	7902.6	255226.8

	0.00	10.00	20.00	30.00	40.00	50.00	60.00	70.00	80.00	90.00	21.00
111	0.00	10.00	20.00	30.00	40.00	50.00	60.00	70.00	80.00	90.00	21.00
121	20.00	30.00	40.00	50.00	60.00	70.00	80.00	90.00	0.00	0.00	57.00
131	30.00	40.00	50.00	60.00	70.00	80.00	90.00	0.00	0.00	0.00	96.00
211	40.00	50.00	60.00	70.00	80.00	90.00	0.00	0.00	0.00	0.00	7.50
221	50.00	60.00	70.00	80.00	90.00	0.00	0.00	0.00	0.00	0.00	10.25
231	60.00	70.00	80.00	90.00	0.00	0.00	0.00	0.00	0.00	0.00	32.00
332	70.00	80.00	90.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.00
332	80.00	90.00	10.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	238.75
TOTAL	57.00	106.75	22.75	20.00	32.00	6.00	0.00	0.00	0.00	0.00	238.75

	0.00	10.00	20.00	30.00	40.00	50.00	60.00	70.00	80.00	90.00	16.00
111	0.00	10.00	20.00	30.00	40.00	50.00	60.00	70.00	80.00	90.00	16.00
121	10.00	20.00	30.00	40.00	50.00	60.00	70.00	80.00	90.00	0.00	7.00
131	20.00	30.00	40.00	50.00	60.00	70.00	80.00	90.00	0.00	0.00	13.00
211	30.00	40.00	50.00	60.00	70.00	80.00	90.00	0.00	0.00	0.00	33.00
221	40.00	50.00	60.00	70.00	80.00	90.00	0.00	0.00	0.00	0.00	1.00
331	50.00	60.00	70.00	80.00	90.00	0.00	0.00	0.00	0.00	0.00	152.00
331	60.00	70.00	80.00	90.00	0.00	0.00	0.00	0.00	0.00	0.00	23.00
332	70.00	80.00	90.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.00
332	80.00	90.00	10.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	117.00
TOTAL	67.00	136.75	30.00	30.00	40.00	50.00	60.00	70.00	80.00	90.00	260.00

	0.00	10.00	20.00	30.00	40.00	50.00	60.00	70.00	80.00	90.00	0.00
111	0.00	10.00	20.00	30.00	40.00	50.00	60.00	70.00	80.00	90.00	0.00
121	10.00	20.00	30.00	40.00	50.00	60.00	70.00	80.00	90.00	0.00	0.00
131	20.00	30.00	40.00	50.00	60.00	70.00	80.00	90.00	0.00	0.00	0.00
211	30.00	40.00	50.00	60.00	70.00	80.00	90.00	0.00	0.00	0.00	0.00
221	40.00	50.00	60.00	70.00	80.00	90.00	0.00	0.00	0.00	0.00	0.00
331	50.00	60.00	70.00	80.00	90.00	0.00	0.00	0.00	0.00	0.00	0.00
331	60.00	70.00	80.00	90.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
332	70.00	80.00	90.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
332	80.00	90.00	10.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL	70.00	140.00	30.00	30.00	40.00	50.00	60.00	70.00	80.00	90.00	0.00

Item ID	Description	QTY	Unit Price	Amount	Other	Total
7431324122912	CENT. COMP. PULV. ST	2.00	0.00	16.00	0.00	16.00
7431324122912	SCREW COMPRESSOR	1.00	0.00	35.00	0.00	35.00
7431324122912	SCREW COMPRESSOR	2.00	14.20	28.40	0.00	28.40
7431324122912	SCREW COMPRESSOR	5.00	15.00	75.00	15.00	90.00
7431324122912	SCREW COMPRESSOR	2.00	0.00	513.00	0.00	513.00
7431324122912	SCREW COMPRESSOR	2.00	0.00	112.00	0.00	112.00
7431324122912	TURBO COMPRESSOR	1.00	0.00	2632.00	0.00	2632.00
7431324122912	RADIAL FAN	1.00	12.90	12.90	0.00	12.90
7431324122912	RADIAL FAN(SING. SUC)	3.00	11.40	34.20	0.00	34.20
7431324122912	RADIAL FAN(SING. SUC)	4.00	35.60	142.40	0.00	142.40
7431324122912	RADIAL FAN(SING. SUC)	1.00	6.90	6.90	0.00	6.90
7431324122912	RADIAL FAN(SING. SUC)	2.00	28.20	56.40	0.00	56.40
7431324122912	RADIAL FAN(SING. SUC)	6.00	0.00	300.00	0.00	300.00
7431324122912	RADIAL FAN(SING. SUC)	4.00	0.00	145.00	0.00	145.00
7431324122912	RADIAL FAN(SING. SUC)	2.00	0.00	110.00	0.00	110.00
7431324122912	CENTRIFUGAL FLEVER	3.00	11.40	34.20	0.00	34.20
7431324122912	AXIAL FAN. ALC-ER	6.00	0.00	480.00	0.00	480.00
7431324122912	FORKLIFT TRUCK	1.00	0.00	32.00	0.00	32.00
7431324122912	FORKLIFT TRUCK	1.00	0.00	27.00	0.00	27.00
7431324122912	FORKLIFT TRUCK	3.00	0.00	27.00	0.00	27.00
7431324122912	FORKLIFT TRUCK	3.00	54.30	162.90	0.00	162.90
7431324122912	FORKLIFT TRUCK	4.00	0.00	39.30	0.00	39.30
7431324122912	DUMP TRUCK	2.00	0.00	140.00	0.00	140.00
7431324122912	DUMP TRUCK	2.00	7.80	15.60	0.00	15.60
7431324122912	DUMP TRUCK	4.00	0.00	184.00	0.00	184.00
7431324122912	DUMP TRUCK	16.00	0.00	3.00	0.00	3.00
7431324122912	DUMP TRUCK	3.00	0.00	70.00	0.00	70.00
7431324122912	DUMP TRUCK	6.00	0.00	720.00	0.00	720.00
7431324122912	DUMP TRUCK	93.00	113.30	10538.10	113.30	10651.40
7431324122912	DUMP TRUCK	2.00	0.00	473.60	0.00	473.60
7431324122912	DUMP TRUCK	4.00	0.00	0.00	0.00	0.00
7431324122912	DUMP TRUCK	3.00	0.00	65.80	0.00	65.80
7431324122912	DUMP TRUCK	2.00	0.00	13.20	0.00	13.20
7431324122912	DUMP TRUCK	6.00	0.00	180.00	0.00	180.00
7431324122912	DUMP TRUCK	2.00	0.00	210.00	0.00	210.00
7431324122912	DUMP TRUCK	20.00	0.00	3700.00	0.00	3700.00
7431324122912	DUMP TRUCK	10.00	0.00	0.00	0.00	0.00
7431324122912	DUMP TRUCK	35.00	0.00	425.00	5282.00	5707.00
7431324122912	DUMP TRUCK	2.00	0.00	1870.00	0.00	1870.00
7431324122912	DUMP TRUCK	10.00	0.00	413.00	0.00	413.00
7431324122912	DUMP TRUCK	22.00	0.00	832.00	0.00	832.00
7431324122912	DUMP TRUCK	12.00	0.00	620.00	450.00	1070.00
7431324122912	DUMP TRUCK	40.00	0.00	4400.00	4400.00	8800.00
7431324122912	DUMP TRUCK	3.00	0.00	0.00	3315.00	3315.00
7431324122912	JIB CRANE(FIRED)	1.00	0.00	5.90	0.00	5.90
7431324122912	BOOM CRANE(FIRED)	1.00	0.00	25.00	0.00	25.00
7431324122912	BOOM CRANE(FIRED)	1.00	0.00	25.00	0.00	25.00
7431324122912	TRAVELLING CRANE	1.00	0.00	35.00	0.00	35.00
7431324122912	OVERHEAD BRIDGE CRN.	1.00	0.00	6.00	0.00	6.00
7431324122912	MOBILE CRANE	2.00	0.00	2090.00	0.00	2090.00
7431324122912	FLAT BELT CONVEYOR	2.00	8.50	17.00	0.00	17.00
7431324122912	FLAT BELT CONVEYOR	1.00	5.40	5.40	0.00	5.40
7431324122912	FLAT BELT CONVEYOR	1.00	29.90	29.90	0.00	29.90
7431324122912	FLAT BELT CONVEYOR	4.00	0.00	6.50	140.00	146.50
7431324122912	FLAT BELT CONVEYOR	1.00	0.00	0.00	7.00	7.00

74267430001211	APRON FEEDER	1.00	9.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.3
7426743002512	APRON FEEDER	2.00	.0	.0	80.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	80.0
7426743002932	APRON FEEDER	2.00	.0	.0	.0	80.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	80.0
7426745400451	APRON FEEDER	1.00	.0	.0	.0	150.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	150.0
74267463012912	APRON FEEDER	1.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	51.0
74267510021911	VIBRATORY FEEDER	6.00	.0	.0	.0	22.4	.0	.0	.0	.0	.0	.0	17.8	.0	.0	22.4
74267512011521	VIBRATORY FEEDER	2.00	.0	.0	.0	.0	.0	30.0	.0	.0	.0	.0	.0	.0	.0	30.0
74267522011911	VIBRATORY FEEDER	2.00	.0	.0	.0	40.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	40.0
7426762001721	ROTARY DISK FEEDER	2.00	.0	.0	.0	40.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	40.0
7426763001721	ROTARY DISK FEEDER	2.00	.0	.0	.0	30.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	30.0
74260030021921	STACKER	1.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	50.0
74260430022931	STACKER RECLAIM(SYC)	1.00	.0	.0	.0	35.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	35.0
7426043002311	STACKER RECLAIM(SYC)	1.00	.0	.0	.0	11.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11.0
74261410011631	TURNGVZ DUMPER	60.00	.0	260.0	.0	520.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	780.0
74260560211912	BAGS HAND. SCALE	1.00	.0	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5
74260611211912	CONVEYOR SCALES	1.00	.0	.0	.0	17.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	17.0
74260643111912	CONVEYOR SCALES	1.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.0	.0	.0	7.0
79152202102521	CONVEYOR SCALES	20.00	.0	.0	260.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	260.0
TOTAL :	550.00	605.40	30632.00	52517.50	75972.30	14075.10	5310.80	7050.50	10293.30	8019.40	7902.60	213629.10				

743620331001112	SUPERSTRUCTURE THICK	1	4.000	.00	.00	.00	.00	.00	.00	.00	4.00	.00	.00	4.00
743620364007112	SUPERSTRUCTURE THICK	7	209.000	.00	.00	.00	.00	.00	.00	.00	1400.00	.00	.00	1400.00
743620373006112	SUPERSTRUCTURE THICK	1	120.000	.00	.00	.00	.00	.00	.00	.00	120.00	.00	.00	120.00
743620373006112	SUPERSTRUCTURE THICK	3	108.000	.00	.00	.00	.00	.00	.00	.00	324.00	.00	.00	324.00
743620364007112	SUPERSTRUCTURE THICK	1	200.000	.00	.00	.00	.00	.00	.00	.00	200.00	.00	.00	200.00
743623351003112	LEAF PR. FILTER	2	10.000	.00	.00	.00	.00	.00	.00	.00	.00	20.00	.00	20.00
743624110002212	CONT. DRUM FILTER	1	5.500	.00	.00	.00	.00	.00	.00	.00	.00	5.50	.00	5.50
743624171003112	CONT. DRUM FILTER	5	18.000	.00	.00	.00	.00	.00	.00	.00	.00	90.00	.00	90.00
744312023004942	DUMP TRUCK	4	26.000	.00	.00	.00	.00	.00	.00	.00	.00	104.00	.00	104.00
744260212011911	TROUGHED BELT CONV.	2	4.500	.00	.00	.00	.00	.00	.00	.00	.00	9.00	.00	9.00
744260212031911	TROUGHED BELT CONV.	2	10.000	.00	.00	.00	.00	.00	.00	.00	.00	20.00	.00	20.00
744260222021911	TROUGHED BELT CONV.	3	4.500	.00	.00	.00	.00	.00	.00	.00	.00	13.50	.00	13.50
744260222021911	TROUGHED BELT CONV.	3	14.000	.00	.00	.00	.00	.00	.00	.00	.00	42.00	.00	42.00
744260233031911	TROUGHED BELT CONV.	2	3.000	.00	.00	.00	.00	.00	.00	.00	.00	6.00	.00	6.00
745250643111912	CONVEYOR SCALES	1	1.000	.00	.00	.00	.00	.00	.00	.00	.00	1.00	.00	1.00
PLATE FABRICATED MACHINES			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2704.00	5086.70	0.00	7790.70
TOTAL			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3489.70	5337.60	0.00	8827.30

MINNESOTA
CAPITAL GOALS DEVELOPMENT PROJECT IN MINNESOTA
EQUIPMENT REQUIREMENTS FOR THE NEW SILVER
LOCATION: GUMSKO/AUMANTA
ANTICIPATED DATE OF COMMENCING : 1986
WEIGHT IN TONS

185100000565

SITC CODE	BASIC MACHINE NAME	QTY	UNIT WEIGHT	1981	1982	1983	1984	1985	1986	1987	1988	1989	TOTAL
69211012114911	DIA	2	30.000	.00	.00	.00	60.00	.00	.00	.00	.00	.00	60.00
69211071111111	TANK	1	0.600	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
69211071111111	TANK	1	0.600	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
69211071121111	TANK	1	5.000	.00	.00	.00	12.00	.00	.00	.00	.00	.00	12.00
69211071121111	TANK	1	2.300	.00	.00	.00	2.30	.00	.00	.00	.00	.00	2.30
69211071121111	TANK	1	67.000	.00	.00	.00	47.00	.00	.00	.00	.00	.00	47.00
69211071121111	TANK	1	62.000	.00	.00	.00	42.00	.00	.00	.00	.00	.00	42.00
72322005312122	TRUCK END LUMBER	2	17.500	.00	.00	30.00	.00	.00	.00	.00	.00	.00	30.00
72322005312122	TRUCK END LUMBER	1	50.000	.00	.00	50.00	.00	.00	.00	.00	.00	.00	50.00
72322005312122	TRUCK END LUMBER	2	1.200	.00	.00	1.20	.00	.00	.00	.00	.00	.00	1.20
72322005312122	TRUCK END LUMBER	2	0.000	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
72322005312122	TRUCK END LUMBER	2	0.500	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
72322005312122	TRUCK END LUMBER	2	5.700	.00	.00	5.70	.00	.00	.00	.00	.00	.00	5.70
72322005312122	TRUCK END LUMBER	2	19.700	.00	.00	19.70	.00	.00	.00	.00	.00	.00	19.70
72322005312122	TRUCK END LUMBER	1	26.200	.00	.00	26.20	.00	.00	.00	.00	.00	.00	26.20
72322005312122	TRUCK END LUMBER	1	53.200	.00	.00	53.20	.00	.00	.00	.00	.00	.00	53.20
72322005312122	TRUCK END LUMBER	1	323.000	.00	.00	323.00	.00	.00	.00	.00	.00	.00	323.00
72322005312122	TRUCK END LUMBER	7	0.400	.00	.00	2.80	.00	.00	.00	.00	.00	.00	2.80
72322005312122	TRUCK END LUMBER	8	0.800	.00	.00	6.40	.00	.00	.00	.00	.00	.00	6.40
72322005312122	TRUCK END LUMBER	1	19.000	.00	.00	.00	19.00	.00	.00	.00	.00	.00	19.00
72322005312122	TRUCK END LUMBER	1	28.000	.00	.00	.00	28.00	.00	.00	.00	.00	.00	28.00
72322005312122	TRUCK END LUMBER	9	0.600	.00	.00	5.40	.00	.00	.00	.00	.00	.00	5.40
72322005312122	TRUCK END LUMBER	1	120.000	.00	.00	100.00	.00	.00	.00	.00	.00	.00	100.00
72322005312122	TRUCK END LUMBER	1	0.100	.00	.00	.10	.00	.00	.00	.00	.00	.00	.10
72322005312122	TRUCK END LUMBER	1	0.700	.00	.00	.70	.00	.00	.00	.00	.00	.00	.70
72322005312122	TRUCK END LUMBER	1	0.700	.00	.00	.70	.00	.00	.00	.00	.00	.00	.70
72322005312122	TRUCK END LUMBER	4	1.800	.00	.00	7.20	.00	.00	.00	.00	.00	.00	7.20
72322005312122	TRUCK END LUMBER	1	2.000	.00	.00	2.00	.00	.00	.00	.00	.00	.00	2.00
72322005312122	TRUCK END LUMBER	1	0.800	.00	.00	0.80	.00	.00	.00	.00	.00	.00	0.80
72322005312122	TRUCK END LUMBER	1	0.800	.00	.00	0.80	.00	.00	.00	.00	.00	.00	0.80
72322005312122	TRUCK END LUMBER	1	0.800	.00	.00	0.80	.00	.00	.00	.00	.00	.00	0.80
72322005312122	TRUCK END LUMBER	1	2.000	.00	.00	2.00	.00	.00	.00	.00	.00	.00	2.00
72322005312122	TRUCK END LUMBER	1	0.500	.00	.00	.50	.00	.00	.00	.00	.00	.00	.50
72322005312122	TRUCK END LUMBER	2	1.700	.00	.00	3.40	.00	.00	.00	.00	.00	.00	3.40
72322005312122	TRUCK END LUMBER	2	4.300	.00	.00	8.60	.00	.00	.00	.00	.00	.00	8.60
72322005312122	TRUCK END LUMBER	2	0.400	.00	.00	0.80	.00	.00	.00	.00	.00	.00	0.80
72322005312122	TRUCK END LUMBER	1	7.500	.00	.00	7.50	.00	.00	.00	.00	.00	.00	7.50
72322005312122	TRUCK END LUMBER	5	51.000	.00	.00	255.00	.00	.00	.00	.00	.00	.00	255.00
72322005312122	TRUCK END LUMBER	4	16.000	.00	.00	64.00	.00	.00	.00	.00	.00	.00	64.00
72322005312122	TRUCK END LUMBER	9	38.500	.00	.00	316.50	.00	.00	.00	.00	.00	.00	316.50
72322005312122	TRUCK END LUMBER	1	7.500	.00	.00	7.50	.00	.00	.00	.00	.00	.00	7.50
72322005312122	TRUCK END LUMBER	1	2.600	.00	.00	2.60	.00	.00	.00	.00	.00	.00	2.60
72322005312122	TRUCK END LUMBER	1	4.800	.00	.00	4.80	.00	.00	.00	.00	.00	.00	4.80
72322005312122	TRUCK END LUMBER	1	2.600	.00	.00	2.60	.00	.00	.00	.00	.00	.00	2.60
72322005312122	TRUCK END LUMBER	1	7.500	.00	.00	7.50	.00	.00	.00	.00	.00	.00	7.50
72322005312122	TRUCK END LUMBER	1	7.500	.00	.00	7.50	.00	.00	.00	.00	.00	.00	7.50
72322005312122	TRUCK END LUMBER	1	6.400	.00	.00	6.40	.00	.00	.00	.00	.00	.00	6.40
72322005312122	TRUCK END LUMBER	1	6.400	.00	.00	6.40	.00	.00	.00	.00	.00	.00	6.40

UNION-SPECIFICATION

CAPITAL GOODS DEVELOPMENT PROJECT IN TURKEY

2302-0

EQUIPMENT REQUIREMENTS FOR THE NEW URANIUM CONCENTRATION PLANT CAPACITY 160000/Y RUN OF NINE DRE

LOCATION: KCPUBAS/MAHISA

ANTICIPATED DATE OF COMMISSIONING: 1988

WEIGHT IN TONS

16601600006

SITC CODE	BASIC MACHINE NAME	QTY	UNIT	WEIGHT	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	TOTAL
69211011311121	HIN	2		4.500	.00	.00	.00	.00	.00	9.00	.00	.00	.00	.00	9.00
69211011311121	HIN	2		3.500	.00	.00	.00	.00	.00	7.00	.00	.00	.00	.00	7.00
692110211311121	BUNKER	2		3.500	.00	.00	.00	.00	.00	7.00	.00	.00	.00	.00	7.00
692110711311111	TANK	3		2.000	.00	.00	.00	.00	.00	6.00	.00	.00	.00	.00	6.00
692110711321111	TANK	2		1.000	.00	.00	.00	.00	.00	2.00	.00	.00	.00	.00	2.00
692110711321121	TANK	1		2.500	.00	.00	.00	.00	.00	2.50	.00	.00	.00	.00	2.50
692110711321121	TANK	2		4.000	.00	.00	.00	.00	.00	8.00	.00	.00	.00	.00	8.00
692110721321121	TANK	1		12.000	.00	.00	.00	.00	.00	12.00	.00	.00	.00	.00	12.00
721420033314922	FRONT END LOADER	2		25.000	.00	.00	.00	.00	.00	50.00	.00	.00	.00	.00	50.00
72333012221912	ROTARY HEASTHOLE DR.	1		3.500	.00	.00	.00	.00	.00	3.50	.00	.00	.00	.00	3.50
723310030002912	BLASTING MACHINE	1		3.000	.00	.00	.00	.00	.00	3.00	.00	.00	.00	.00	3.00
7233102601912	VIBRATING SCREEN	1		1.500	.00	.00	.00	.00	.00	1.50	.00	.00	.00	.00	1.50
723311131011911	CONE WET CLASSIFIER	1		4.000	.00	.00	.00	.00	.00	4.00	.00	.00	.00	.00	4.00
7232021723752	JAW CRUSHER	1		17.000	.00	.00	.00	.00	.00	17.00	.00	.00	.00	.00	17.00
72321517425922	ROD MILL	1		60.000	.00	.00	.00	.00	.00	60.00	.00	.00	.00	.00	60.00
74143011111211	ROTARY DRIVERS	1		3.000	.00	.00	.00	.00	.00	.30	.00	.00	.00	.00	.30
74159811171121	REACTION TANK	2		1.500	.00	.00	.00	.00	.00	3.00	.00	.00	.00	.00	3.00
74159951111131	DRIVERS (VIA)	6		30.000	.00	.00	.00	.00	.00	18.00	.00	.00	.00	.00	18.00
742200121311211	S-ST-CENT. PUMP(CIRC)	2		0.200	.00	.00	.00	.00	.00	.40	.00	.00	.00	.00	.40
74220121311211	S-ST-CENT. PUMP(CIRC)	3		0.300	.00	.00	.00	.00	.00	.90	.00	.00	.00	.00	.90
742200141321211	S-ST-CENT. PUMP(CIRC)	3		1.000	.00	.00	.00	.00	.00	3.00	.00	.00	.00	.00	3.00
7432113101122	CONT. CLAR. FILTERS	1		2.000	.00	.00	.00	.00	.00	2.00	.00	.00	.00	.00	2.00
74321211001612	DISC CLAR. FILTERS	1		1.500	.00	.00	.00	.00	.00	1.50	.00	.00	.00	.00	1.50
744112923003912	DUMP TRUCK	5		23.000	.00	.00	.00	.00	.00	115.00	.00	.00	.00	.00	115.00
744240122012911	FLAT BELT CONVEYOR	1		6.000	.00	.00	.00	.00	.00	6.00	.00	.00	.00	.00	6.00
74424011011911	SCREW CONVEYOR	1		0.200	.00	.00	.00	.00	.00	.20	.00	.00	.00	.00	.20
74424011011911	SCREW CONVEYOR	1		0.100	.00	.00	.00	.00	.00	.10	.00	.00	.00	.00	.10
74424222011911	BELT FEEDER	1		0.500	.00	.00	.00	.00	.00	.50	.00	.00	.00	.00	.50
744267522011911	VIBRATORY FEEDER	1		0.500	.00	.00	.00	.00	.00	.50	.00	.00	.00	.00	.50
PLATE FABRICATED MACHINES															
		0.00		0.00	0.00	0.00	0.00	0.00	0.00	240.30	0.00	0.00	0.00	0.00	240.30
		0.00		0.00	0.00	0.00	0.00	0.00	0.00	265.60	0.00	0.00	0.00	0.00	265.60
TOTAL		0.00		0.00	0.00	0.00	0.00	0.00	0.00	505.90	0.00	0.00	0.00	0.00	505.90

UNCO-SUPPLEMENTARY
 CAPITAL GOODS DEVELOPMENT PROJECT IN TURKEY
 EQUIPMENT REQUIREMENTS FOR THE NORTH COALFIELD WORKS
 LOCATION: SULTANCIKAYA
 ANTICIPATED DATE OF COMPLETION: 1970

COMMODITY CODE: 2902-4
 PLANT CAPACITY 930000/TY MIN OF NINE ONE

2539300000

SITC CODE	BASIC MACHINE NAME	QTY	UNIT	WEIGHT	1981	1982	1983	1984	1985	1986	1987	1988	1989	TOTAL
72341032023932	BULLDOZER	2		25.000	.00	.00	.00	50.00	.00	.00	.00	.00	50.00	.00 100.00
72341032023932	LEVELLER OR GRADER	1		18.000	.00	.00	18.00	.00	.00	.00	.00	18.00	.00	.00 18.00
72342032213932	FRONT END LOADER	2		12.000	.00	.00	24.00	.00	.00	.00	.00	24.00	.00	.00 24.00
72342032213932	FRONT END LOADER	2		15.000	.00	.00	30.00	.00	.00	.00	.00	30.00	.00	.00 30.00
723425034225932	ELECTRIC EXCAVATOR	3		65.000	.00	.00	195.00	.00	.00	.00	.00	195.00	.00	.00 195.00
723425034225932	ELECTRIC EXCAVATOR	3		179.000	.00	.00	510.00	.00	.00	.00	.00	510.00	.00	.00 510.00
72343015524722	ROTARY BLASTHOLE DR.	2		25.000	.00	.00	50.00	.00	.00	.00	.00	50.00	.00	.00 100.00
72352014321222	BATTERY LOGSKID	2		4.000	.00	.00	8.00	.00	.00	.00	.00	8.00	.00	.00 16.00
728320220302711	JAW CRUSHER	1		10.000	.00	.00	10.00	.00	.00	.00	.00	10.00	.00	.00 10.00
743132350121912	SCREW COMPRESSOR	2		4.000	.00	.00	8.00	.00	.00	.00	.00	8.00	.00	.00 16.00
744110742001911	FORKLIFT TRUCK	1		4.000	.00	.00	4.00	.00	.00	.00	.00	4.00	.00	.00 4.00
744112024001231	DUMP TRUCK	1		20.000	.00	120.00	.00	.00	.00	.00	120.00	.00	.00	.00 240.00
744112033003222	DUMP TRUCK	20		22.000	.00	440.00	.00	.00	.00	.00	440.00	.00	.00	.00 880.00
744220233103232	DRUM CRACKER/FILTER	1		25.000	.00	.00	25.00	.00	.00	.00	.00	25.00	.00	.00 25.00
744260132012921	FLAT BELT CONVEYOR	1		5.000	.00	.00	5.00	.00	.00	.00	.00	5.00	.00	.00 5.00
PLATE FABRICATED MACHINES		0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00 0.00
TOTAL		0.00		360.00	319.00	105.00	510.00	510.00	0.00	560.00	100.00	80.00	195.00	2432.00

COMMODITY CODE : 2907-4

CAPITAL GOODS DEVELOPMENT PROJECT IN TURKEY
EQUIPMENT REQUIREMENTS FOR THE ERVANSTON COALMINING MINE

LOCATION: BIGADIC/BALIKESIR

ANTICIPATED DATE OF COMMISSIONING : 1990

WEIGHT IN TONS

3100000000

SITC CODE	BASIC MACHINE NAME	QTY	UNIT WEIGHT	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	TOTAL
723410032023091	BULLDOZER	8	80.000	.00	80.00	.00	.00	.00	.00	20.00	.00	.00	.00	49.00
723410032023091	LEVELER OR GRAC M	2	20.000	.00	.00	20.00	.00	.00	.00	.00	20.00	.00	.00	40.00
723420042213931	FRONT END LOADER	2	15.000	.00	15.00	.00	.00	.00	.00	15.00	.00	.00	.00	30.00
723420042223931	FRONT END LOADER	2	15.000	.00	15.00	.00	.00	.00	.00	15.00	.00	.00	.00	30.00
723430133522712	RQ AMY BLASTHOLE DR.	4	15.000	.00	30.00	.00	.00	.00	.00	30.00	.00	.00	.00	60.00
723432011101911	DRILLING MACHINE	5	0.000	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
723432011101911	DRILLING MACHINE	5	0.000	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
723432011101911	BLASTING MACHINE	2	0.000	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
74312323121911	SCREW COMPRESSOR	2	1.500	.00	3.00	.00	.00	.00	.00	.00	.00	.00	.00	3.00
744112014003221	DUMP TRUCK	2	1.200	12.00	.00	.00	.00	.00	12.00	.00	.00	.00	.00	24.00
744112024003231	DUMP TRUCK	2	15.000	.00	15.00	.00	.00	.00	.00	15.00	.00	.00	.00	30.00
744112044004232	DUMP TRUCK	22	30.000	.00	330.00	.00	.00	.00	.00	.00	.00	.00	.00	330.00
PLATE FABRICATED MACHINES		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL		12.00	98.00	350.00	0.00	0.00	0.00	12.00	95.00	20.00	0.00	0.00	0.00	917.00

UNISUPPETEIGAN)
 CAPITAL GUELS DEVELOPMENT PROJECT IN TURKEY
 EQUIPMENT REQUIREMENTS FOR THE EXPANSION ALUSIHA
 LOCATION: SEYDISEHIR/NONYA
 ANTICIPATED DATE OF COMPLETION: 1985
 WEIGHT IN TONS

COMMODITY CODE : 2102-2
 PLANT CAPACITY 240000T/Y MIN OF MINF ORE

SITC CODE	BASIC MACHINE NAME	QTY	UNIT	WEIGHT	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	TOTAL
69211071102111	TANK	2		1,500	.00	.00	9.00	.00	.00	.00	.00	.00	.00	.00	9.00
6923101031311	TANKS	1		1,200	.00	.00	1.80	.00	.00	.00	.00	.00	.00	.00	1.80
720112210212	CYC. MET CLASSIFIER	1		0,700	.00	.00	2.80	.00	.00	.00	.00	.00	.00	.00	2.80
720311002212	HYDRO SEPARATOR	2		3,500	.00	.00	.00	19.80	.00	.00	.00	.00	.00	.00	19.80
720311204032	BALL MILL	2		55,000	.00	.00	.00	110.00	.00	.00	.00	.00	.00	.00	110.00
720311001111	MIXERS	6		1,200	.00	.00	.00	6.80	.00	.00	.00	.00	.00	.00	6.80
72031100720192	MIXERS	18		1,500	.00	.00	.00	16.00	.00	.00	.00	.00	.00	.00	16.00
72031100730122	MIXERS	3		5,800	.00	.00	.00	20.70	.00	.00	.00	.00	.00	.00	20.70
720311007402322	MIXERS	2		11,000	.00	.00	.00	11.00	.00	.00	.00	.00	.00	.00	11.00
7416112525111	HEATER	2		19,000	.00	.00	.00	20.00	.00	.00	.00	.00	.00	.00	20.00
741611400312	EVAPORATORS	3		38,000	.00	.00	.00	116.00	.00	.00	.00	.00	.00	.00	116.00
7416112525111	CALCINING FURNACES	1		300,000	.00	.00	.00	500.00	.00	.00	.00	.00	.00	.00	500.00
7416112525111	REACTION TANK	1		22,700	.00	.00	.00	181.60	.00	.00	.00	.00	.00	.00	181.60
7416112525111	DECOMPOSER	1		20,000	.00	.00	.00	20.00	.00	.00	.00	.00	.00	.00	20.00
7416112311212	SEPARATOR COLUMN	2		25,100	.00	.00	.00	30.20	.00	.00	.00	.00	.00	.00	30.20
7422001121711	SINGLE-ACTING PISTON	2		0,300	.00	.00	.00	4.40	.00	.00	.00	.00	.00	.00	4.40
7422001121711	S-ST. CENT. PUMP (CIRC)	2		0,300	.00	.00	.00	.60	.00	.00	.00	.00	.00	.00	.60
7422001121711	S-ST. CENT. PUMP (CIRC)	2		0,300	.00	.00	.00	.60	.00	.00	.00	.00	.00	.00	.60
7422001121711	S-ST. CENT. PUMP (CIRC)	2		0,300	.00	.00	.00	1.60	.00	.00	.00	.00	.00	.00	1.60
7422001121711	S-ST. CENT. PUMP (CIRC)	30		0,300	.00	.00	.00	27.00	.00	.00	.00	.00	.00	.00	27.00
743620313004112	SUPERSTRUCTURE THICK	2		150,000	.00	.00	.00	150.00	.00	.00	.00	.00	.00	.00	150.00
743620313004112	LEAF FR. FILTER	1		19,000	.00	.00	.00	10.00	.00	.00	.00	.00	.00	.00	10.00
743620313004112	CONV. DRUM FILTER	2		4,500	.00	.00	.00	4.50	.00	.00	.00	.00	.00	.00	4.50
744260212021911	TROUGHED BELT CONV.	1		2,000	.00	.00	.00	3.00	.00	.00	.00	.00	.00	.00	3.00
<p>PLATE FABRICATED 0.00 0.00 10.80 676.30 538.53 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1274.60</p> <p>MACHINES 0.00 0.00 2.80 223.00 38.60 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 264.60</p> <p>TOTAL 0.00 0.00 13.60 899.30 627.19 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1540.00</p>															

31392600733

COMMODITY CODE : 2502-2

UNITS: SPOCKETT/ANNI

CAPITAL GOODS DEVELOPMENT PROJECT IN TURKEY

EQUIPMENT REQUIREMENTS FOR REPLACEMENT

LOCATION: SEVOISEMIR/MONVA

NAME OF PLANT AND YEAR OF STARTING ALUMINIUM WORKS 1990

-SIGHT IN TONS

4160000014

SITE CODE	BASIC MACHINE NAME	QTY	UNIT	WEIGHT	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	TOTAL
723410043024942	BULLDOZER	2		38.000	.00	.00	.00	38.00	.00	.00	.00	.00	.00	.00	76.00
723410043024942	BULLDOZER	2		42.000	.00	43.00	.00	43.00	.00	.00	.00	.00	.00	.00	86.00
723420032123932	FRONT END LOADER	6		15.000	.00	15.00	30.00	.00	.00	.00	.00	15.00	30.00	.00	90.00
723420032123932	FRONT END LOADER	1		29.000	.00	29.00	.00	.00	.00	.00	.00	.00	.00	.00	29.00
723421023113922	POWER SHOVEL	4		16.000	.00	32.00	.00	.00	.00	.00	.00	32.00	.00	.00	64.00
723423048527982	ELECTRIC EXCAVATOR	2		236.000	.00	236.00	36.00	.00	.00	.00	.00	.00	.00	.00	272.00
72343016924932	ROTARY PLASTICLE DR.	1		32.000	.00	32.00	.00	.00	.00	.00	.00	.00	.00	.00	32.00
72343016924932	ROTARY PLASTICLE DR.	6		8.000	.00	24.00	.00	.00	.00	.00	.00	.00	.00	.00	24.00
744110062002912	FORKLIFT TRUCK	98		8.000	.00	88.00	88.00	88.00	88.00	88.00	88.00	88.00	88.00	88.00	792.00
744112045033932	DUMP TRUCK	12		21.000	.00	124.00	124.00	.00	.00	.00	.00	.00	.00	.00	252.00
PLATE FABRICATED					0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WACHMES					0.00	423.00	317.00	357.00	88.00	88.00	144.00	141.00	141.00	141.00	1764.00
TOTAL					6.00	423.00	317.00	357.00	88.00	88.00	144.00	141.00	141.00	141.00	1764.00

2902-A

COMPACTIVITY CODE :

UNTDGSPKCTT6AKRT

CAPITAL ECES DEVELOPMENT PROJECT IN TURKEY
 EQUIPMENT REQUIREMENTS FOR REPLACEMENT
 LOCATION: RIGADIC/PALINESIR
 NAME OF PLANT AND YEAR OF STARTING : CULFATIE WORKS 1990
 WEIGHT IN TONS

41300000013

SITC CODE	BASIC MACHINE NAME	QTY	UNIT WEIGHT	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	TOTAL
72310043024932	BULLDOZER	1	25.000	.00	.00	.00	.00	.00	.00	25.00	.00	.00	.00	25.00
72320022123932	FRONT END LOADER	3	12.000	.00	.00	.00	.00	.00	23.00	12.00	.00	.00	.00	36.00
723420032213932	FRONT END LOADER	3	16.000	.00	.00	.00	.00	.00	28.00	14.00	.00	.00	.00	42.00
723620032313932	FRONT END LOADER	1	17.000	.00	.00	17.00	.00	.00	.00	.00	.00	.00	.00	17.00
723420042313932	FRONT END LOADER	2	20.000	.00	.00	20.00	.00	.00	.00	20.00	.00	.00	.00	40.00
723425033313932	ELECTRIC EXCAVATOR	2	20.000	.00	.00	20.00	.00	.00	.00	20.00	.00	.00	.00	40.00
723430153222912	ROTARY BLASTING DR.	2	5.000	.00	.00	5.00	.00	.00	.00	5.00	.00	.00	.00	10.00
728310336072912	RECYCLING SCREEN	1	5.000	.00	.00	.00	.00	.00	.00	.00	.00	5.00	.00	5.00
728311532012912	SPIRAL KEY CLASSIFI.	1	5.000	.00	.00	.00	.00	.00	.00	.00	.00	5.00	.00	5.00
728320214323732	JAW CRUSHER	1	17.000	.00	.00	.00	.00	.00	.00	.00	.00	17.00	.00	17.00
742100143311712	SINGLE-ACTING PISTON	2	4.000	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	8.00
742101134321312	SINGLE-ACTING PLUNGE	20	2.000	.00	.00	2.00	.00	.00	.00	2.00	.00	.00	.00	8.00
742101144321312	SINGLE-ACTING PLUNGE	8	3.000	.00	.00	6.00	.00	.00	.00	6.00	.00	.00	.00	12.00
742101154321312	SINGLE-ACTING PLUNGE	4	2.000	.00	.00	.00	.00	8.00	.00	.00	.00	.00	.00	8.00
74220013131712	SINGLE-ACTING PLUNGE	2	5.000	.00	.00	5.00	.00	.00	.00	.00	.00	.00	.00	10.00
743101122121612	RECIP. COMP. SING. ST.	1	4.000	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	4.00
743101132121622	RECIP. COMP. SING. ST.	6	4.500	.00	.00	14.70	.00	.00	.00	14.70	.00	.00	.00	29.40
743101132121622	RECIP. COMP. SING. ST.	6	4.500	.00	.00	.00	.00	14.70	.00	.00	.00	.00	.00	29.40
743101132121622	RECIP. COMP. SING. ST.	3	4.500	.00	.00	4.50	.00	.00	.00	4.50	.00	.00	.00	13.50
744112014003922	DUMP TRUCK	16	24.000	.00	.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	192.00
744112014003932	DUMP TRUCK	10	30.000	.00	.00	150.00	.00	.00	.00	150.00	.00	.00	.00	300.00
744221422124942	OVERHEAD BRIDGE CRAN-	1	4.000	.00	.00	4.00	.00	.00	.00	4.00	.00	.00	.00	4.00
744222022122222	MOBILE CRANE	2	6.000	.00	.00	6.00	.00	.00	.00	6.00	.00	.00	.00	12.00
744240122011912	FLAT BELT CONVEYOR	16	3.500	.00	14.00	10.50	.00	10.50	.00	4.00	.00	.00	.00	49.00
744240132011912	FLAT BELT CONVEYOR	16	3.500	.00	14.00	10.50	.00	10.50	.00	4.00	.00	.00	.00	49.00
744241034011912	CHAIN CONVEYOR	22	4.000	.00	10.00	16.00	8.00	8.00	3.00	8.00	8.00	8.00	8.00	88.00
744267423013922	APRON FEEDER	2	13.000	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	26.00
PLATE FABRICATED MACHINES														
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		0.00	30.00	309.10	32.00	75.20	102.90	343.50	55.70	90.00	62.70	1101.90		
TOTAL		0.00	30.00	309.10	32.00	75.20	102.90	343.50	55.70	90.00	62.70	1101.90		

COMPACTORY CODE 1

3511-7

ORIGOSPEC(ETERNY)
CAPITAL GOODS DEVELOPMENT PROJECT IN TURKEY
EQUIPMENT REQUIREMENTS FOR REPLACEMENT
LOCATION: BAYDIRMA/PALINESTR
NAME OF PLANT AND YEAR OF STARTING
WEIGHT IN TONS

1983

BORAX AND ACID WORKS

1169000016

SITC CODE	BASIC MACHINE NAME	QTY	UNIT	WEIGHT	1981	1982	1983	1984	1985	1986	1987	1988	1989	1999	TOTAL
723420022112012	FRONT END LOADER	2		4.500	.00	.00	17.00	.00	.00	.00	.00	.00	.00	.00	17.00
743112P2303232	DUMP TRUCK	2		25.000	.00	.00	40.00	.00	.00	.00	.00	.00	.00	.00	40.00
	PLATE FERTICATED MACHINES				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TOTAL				0.00	0.00	57.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	57.00

COMMODITY CODE : 2307-9

UNDOCSPEC(ETI)BPP
CAPITAL GOODS DEVELOPMENT PROJECT IN TURKEY
EQUIPMENT REQUIREMENTS FOR REPLACEMENT
LOCATION: ULUGAGZORSU
NAME OF PLANT AND YEAR OF STARTING TUNGSTEN WORKS 1990
WEIGHT IN TONS

4199000019

SIC CODE	BASIC MACHINE NAME	QTY	UNIT WEIGHT	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	TOTAL
716212054691612	P.PH.ASYNCH. MOTORS	1	1.50	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.50
723410043024942	BULLDOZER	1	35.000	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	35.00
72342002111922	FRONT END LOADER	2	26.000	.00	.00	.00	.00	52.00	.00	.00	.00	.00	.00	52.00
723420031123922	FRONT END LOADER	1	12.000	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	12.00
723520321411912	DIESEL HYDROST. LDC.	3	9.000	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	27.00
723520331512922	DIESEL HYDROST. LDC.	1	18.000	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	18.00
741130132113222	RECIP. COMP. SING. ST.	1	10.000	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	10.00

PLATE FABRICATED 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00

MACHINES 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00

TOTAL 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00

UNION-SPELLETI(BARR)
 CAPITAL GOOBS DEVELOPMENT PROJECT IN TURKEY

COMMODITY CODE : 2909-1

EQUIPMENT REQUIREMENTS FOR REPLACEMENT
 LOCATION: CUNAOVASI/IZMIR

NAME OF PLANT AND YEAR OF STARTING PER LIVE WORKS 1989
 WEIGHT IN TONS

42140000021

SITE CODE	BASIC MACHINE NAME	QTY	UNIT WEIGHT	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	TOTAL
723410039213932	BULLDOZER	2	14.000	.00	.00	.00	14.00	.00	.00	.00	.00	14.00	.00	28.00
723410042921932	BULLDOZER	1	30.000	.00	30.00	.00	.00	.00	.00	.00	.00	.00	.00	30.00
723430153522512	ROTARY BLASTHOLE DR.	1	5.600	.00	5.60	.00	.00	.00	.00	.00	.00	.00	.00	5.60
726316044024942	PNEUMATIC SEPARATOR	2	25.000	.00	.00	.00	25.00	.00	.00	.00	.00	25.00	.00	50.00
743230132121612	RECIP. COMP. SING. ST.	1	3.200	.00	.00	.00	.00	.00	.00	.00	.00	3.20	.00	3.20
743230132121612	RECIP. COMP. SING. ST.	1	3.200	.00	.00	.00	.00	.00	.00	3.20	.00	.00	.00	3.20
744112014602932	DUMP TRUCK	2	10.000	.00	.00	.00	20.00	.00	.00	.00	.00	.00	.00	20.00
	PLATE FABRICATED		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	MACHINES		0.00	35.60	0.00	59.00	0.00	0.00	3.20	0.00	42.20	0.00	0.00	160.00
	TOTAL		0.00	35.60	0.00	59.00	0.00	0.00	3.20	0.00	42.20	0.00	0.00	160.00

COMPACTIVITY CODE : 2302-6

UNYDC-SPECIFICATION
CAPITAL GULCS DEVELOPMENT PROJECT IN TURKEY

EQUIPMENT REQUIREMENTS FOR REPLACEMENT

LOCATION: UCERPRU/MUSLA

NAME OF PLANT AND YEAR OF STARTING CHARGITE WORKS

1985

22300000022

SITC CODE	BASIC MACHINE NAME	QTY	UNIT WEIGHT	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	TOTAL
72340023023932	BULLDOZER	1	12.200	.00	.00	.00	.00	12.20	.00	.00	.00	.00	.00	12.20
7233101013922	LEVELLER OR GRADER	1	10.800	.00	.00	.00	.00	10.80	.00	.00	.00	.00	.00	10.80
72342002112922	FRONT END LOADER	1	8.600	.00	.00	.00	.00	8.60	.00	.00	.00	.00	.00	8.60
7232002223522	FRONT END LOADER	1	10.500	.00	.00	10.50	.00	.00	.00	.00	.00	.00	.00	10.50
	PLATE FABRICATED MACHINES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		0.00	0.00	10.90	0.00	0.00	31.70	0.00	0.00	0.00	0.00	0.00	0.00	42.60
	TOTAL	0.00	0.00	10.90	0.00	0.00	31.70	0.00	0.00	0.00	0.00	0.00	0.00	42.60

UNION SPACES (SAP) CORROSION CODE : 2302-6

CAPITAL GOODS DEVELOPMENT PROJECT IN TURKEY
EQUIPMENT REQUIREMENTS FOR REPLACEMENT

LOCATION: ANTALYA
NAME OF PLANT AND YEAR OF STARTING: FERTROCHROME AND CARBIDE WORKS 1990

2300000023

SITC CODE	BASIC MACHINE NAME	QTY	UNIT WEIGHT	1991	1992	1993	1984	1985	1986	1987	1988	1989	1990	TOTAL
723420932213922	FRONT END LOADER	3	10.000	.00	20.00	.00	.00	.00	.00	.00	.00	10.00	.00	30.00
743130220121612	RECIP-COMP. MULTI-ST.	2	1.000	.00	.00	.00	.00	.00	.00	.00	.00	.00	2.00	2.00
743130220121612	RECIP-COMP. MULTI-ST.	1	1.000	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.00	1.00
743130220121617	RECIP-COMP. MULTI-ST.	2	1.500	.70	.00	3.50	.00	.00	.00	.00	.00	.00	.00	3.50
74411002002912	FORKLIFT TRUCK	3	5.000	.00	15.00	.00	.00	.00	.00	.00	.00	.00	.00	15.00
74411002002912	FORKLIFT TRUCK	2	7.000	.00	.00	.00	.00	.00	.00	.00	.00	14.00	.00	14.00

PLATE FABRICATED MACHINES	QTY	UNIT WEIGHT	1991	1992	1993	1984	1985	1986	1987	1988	1989	1990	TOTAL
PLATE FABRICATED MACHINES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL	0.00	35.00	3.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	24.00	3.00	55.00

UNITS SPECIFICATIONS

CAPITAL GOODS DEVELOPMENT PROJECT IN TURKEY

EQUIPMENT REQUIREMENTS FOR REPLACEMENT

LOCATION: EMEY/ANTAYLA

NAME OF PLANT AND YEAR OF STARTING

WEIGHT IN TONS

1990

COLEMANITE WORKS

CORRUPTIVITY CODE 1

2402-6

42400000024

SITC CODE	MACHINE NAME	QTY	UNIT	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	TOTAL
723410032023932	BULLDOZER	1	20.000	.00	23.00	.00	.00	.00	.00	.00	.00	.00	.00	20.00
723410032023932	BULLDOZER	2	35.000	.00	.00	70.00	.00	.00	.00	.00	.00	.00	.00	70.00
723410032024932	BULLDOZER	1	30.000	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	30.00
723410032023932	LEVELLER CR GRADER	1	18.000	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	18.00
723420022112922	FRONT END LOADER	2	8.000	.00	.00	16.00	.00	.00	.00	.00	.00	.00	.00	16.00
723420032213932	FRONT END LOADER	3	12.000	.00	12.00	.00	.00	.00	.00	.00	12.00	.00	.00	36.00
723420042313932	FRONT END LOADER	2	15.000	.00	.00	.00	.00	.00	.00	15.00	.00	.00	.00	30.00
723420052213932	POWER SHOVEL	3	65.000	.00	150.00	.00	.00	.00	65.00	.00	.00	.00	.00	195.00
72342504624942	ELECTRIC EXCAVATOR	3	150.000	.00	.00	150.00	.00	.00	.00	.00	.00	.00	.00	450.00
723430156624922	MATARY BULSTRUCK CR.	3	65.000	.00	65.00	.00	.00	.00	.00	.00	.00	.00	.00	195.00
723520121111912	BATTERY LOCOMOTIVE	1	3.000	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	3.00
723520211111912	DIESEL LOCOMOTIVE	2	3.000	.00	.00	3.00	.00	.00	.00	.00	.00	.00	.00	6.00
723520221111912	DIESEL LOCOMOTIVE	1	3.000	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	3.00
7235202322721	JAW CRUSHER	1	3.500	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	3.50
723520720323711	ROLL BRUM CRUSHER	3	1.500	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	4.50
74290141311312	5-ST. CENT. COMPRESSOR	3	4.000	.00	.00	4.00	.00	.00	.00	.00	.00	.00	.00	12.00
743132330121912	SCNER COMPRESSOR	3	4.000	.00	.00	4.00	.00	.00	.00	.00	.00	.00	.00	12.00
744110142001921	FORKLIFT TRUCK	1	4.000	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	4.00
744112014092931	DUMP TRUCK	2	5.000	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	10.00
744112024092931	DUMP TRUCK	3	5.000	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	15.00
744112033093932	DUMP TRUCK	10	21.000	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	210.00
744112034093932	DUMP TRUCK	15	21.000	.00	105.00	105.00	.00	.00	105.00	.00	.00	.00	.00	315.00
744220233104242	8CM CRANE(FIXED)	1	25.000	.00	.00	.00	25.00	.00	.00	.00	.00	.00	.00	25.00

PLATE FABRICATED 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00

MACHINES 0.00 359.00 352.00 33.00 5.00 178.50 17.00 15.00 411.00 164.50 1735.00

TOTAL 0.00 359.00 352.00 33.00 5.00 178.50 17.00 15.00 411.00 164.50 1735.00

COMMODITY CODE : 2302-1

UNCLASSIFIED PROJECT IN TURKEY

EQUIPMENT REQUIREMENTS FOR REPLACEMENT

LOCATION: MUGLA/ARIVIN

NAME OF PLANT AND YEAR OF STARTING: COPPER WORKS 1934

62590000025

SIIC CODE	BASIC MACHINE NAME	QTY	UNIT	WEIGHT	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	TOTAL
71261019134642	CONDENSING TURBINES	1	25.000	.00	.00	.00	25.00	.00	.00	.00	.00	.00	.00	.00	25.00
716210501321622	P.PH SYNCH MOTORS	1	3.000	.00	.00	.00	3.00	.00	.00	.00	.00	.00	.00	.00	3.00
714220014213622	RECIP-SYN-GENERATOR	1	3.000	.00	.00	.00	3.00	.00	.00	.00	.00	.00	.00	.00	3.00
72320022223932	FRONT END LOADER	1	18.500	.00	.00	.00	18.50	.00	.00	.00	.00	.00	.00	.00	18.50
723420032213932	FRONT END LOADER	2	14.500	.00	.00	.00	14.50	.00	.00	.00	.00	.00	.00	.00	29.00
741610635353322	WASTE-HEAT BOILER	1	200.000	.00	.00	.00	200.00	.00	.00	.00	.00	.00	.00	.00	200.00
743130131123632	RECIP-COMP.SIAG.SI.	1	15.000	.00	.00	.00	15.00	.00	.00	.00	.00	.00	.00	.00	15.00
743130052002922	FUELIFY TRUCK	2	7.000	.00	.00	.00	7.00	.00	.00	.00	.00	.00	.00	.00	14.00
	PLATE FABRICATED MACHINES	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	200.00
		0.00	21.50	64.30	21.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	64.30
	TOTAL	0.00	21.50	265.30	21.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	398.30

UN100-SPECEYIBAKPI

CAPITAL GOCCS DEVELOPMENT PROJECT IN TURKEY

EQUIPMENT REQUIREMENTS FOR REPLACEMENT

LOCATION: ERGANI/ELAZIG

NAME OF PLANT AND YEAR OF STARTING

WEIGHT IN TONS

CUMULATIVE CODE :

2392-1

1984

COPPER NOTES

4269000926

SITC CODE	BASIC MACHINE NAME	QTY	UNIT WEIGHT	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	TOTAL
712610129214642	CONDENSING TURBINES	1	32.000	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	32.00
718220229213822	ROTARY SYN. GENERATOR	1	12.000	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	12.00
723410032023932	BULLDOZER	3	20.000	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	60.00
723410032023932	LEVELLER OR GRADER	2	26.500	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	53.00
72342002223932	FRONT END LOADER	2	18.400	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	37.20
723420032213932	FRONT END LOADER	3	12.600	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	37.80
723420032213932	FRONT END LOADER	1	14.500	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	14.50
723420032213932	ELECTRIC EXCAVATOR	6	65.000	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	390.00
72343013223922	ROTARY BLASTHOLE DR.	4	19.000	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	76.00
7416106346542	WASTEHEAT BOILER	1	300.000	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	300.00
743130232131612	RECIP. COMP. MULT. ST.	4	3.900	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	15.60
74313051113642	TURBO COMPRESSOR	1	12.000	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	12.00
744110062002922	FORKLIFT TRUCK	2	7.000	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	14.00
74512014003222	DUMP TRUCK	4	12.000	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	48.00
74512034003932	DUMP TRUCK	20	20.000	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	400.00
PLATE FABRICATED MACHINES		0.00	0.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	300.00
TOTAL		0.00	0.00	0.00	0.00	1232.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1232.10

COMMODITY CODE : 2502-4

UNCLASSIFIED PROJECT IN TURKEY

EQUIPMENT REQUIREMENTS FOR REPLACEMENT

LOCATION: NESTELENGOURSA

NAME OF PLANT AND YEAR OF STARTING

WEIGHT IN TONS

COLEMANITE WORKS

1980

TOTAL

1981

1982

1983

1984

1985

1986

1987

1988

1989

1990

1991

1992

1993

1994

1995

1996

1997

1998

1999

2000

SIC CODE	BASIC MACHINE NAME	QTY	UNIT WEIGHT	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	TOTAL
742200143311712	S-ST.CENT.PUMP(CIRC)	2	1.200	.00	.00	1.20	.00	.00	.00	.00	1.20	.00	.00	2.40
742200151311712	S-ST.CENT.PUMP(CIRC)	2	1.800	.00	.00	1.80	.00	.00	.00	.00	1.80	.00	.00	3.60
744210028021712	WINCH	2	3.000	.00	.00	.00	.00	6.00	.00	.00	.00	.00	.00	6.00
744210028021712	WINCH	6	1.500	.00	.00	.00	.00	4.50	.00	.00	.00	.00	.00	4.50

PLATE FABRICATED MACHINES		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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TOTAL		0.00	0.00	3.00	3.00	0.00	10.50	0.00	0.00	3.00	3.00	0.00	10.50	27.00
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UNIONSPACKETDARK) COMMODITY CODE : 2902-1

CAPITAL GOGUS DEVELOPMENT PROJECT IN TURKEY EQUIPMENT REQUIREMENTS FOR REPLACEMENT

LOCATION: KECIBORLU/ISPARTA

NAME OF PLANT AND YEAR OF STARTING SULPHUR OXIDES 1939

299090029

SITC CODE	BASIC MACHINE NAME	QTY	UNIT	WEIGHT	1931	1932	1933	1934	1935	1936	1937	1938	1939	TOTAL
72310023023942	BULLDOZER	1		15.000	.00	.00	.00	.00	15.00	.00	.00	.00	.00	.00
72320032213942	FRONT END LOADER	2		12.000	.00	.00	.00	12.00	.00	.00	.00	.00	12.00	.00
7433023221612	RECIP-COMP. MULT-ST.	2		4.000	.00	.00	.00	4.00	.00	.00	.00	.00	4.00	.00
7433291002912	DUMP TRUCK	3		6.000	.00	.00	.00	6.00	.00	6.00	.00	.00	6.00	.00
	PLATE FABRICATED MACHINES			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TOTAL			0.00	0.00	0.00	22.00	15.00	6.00	6.00	0.00	0.00	22.00	65.00

COMMODITY CODE : 2902-6

UNIDUSPCE(TBANK)

CAPITAL GOODS DEVELOPMENT PROJECT IN TURKEY

EQUIPMENT REQUIREMENTS FOR REPLACEMENT

LOCATION: GULEMAN/ELAZIG

NAME OF PLANT AND YEAR OF STARTING : CHROMIUM WORKS 1988

HEIGHT IN TONS

430300000030

SITC CODE	BASIC MACHINE NAME	QTY	UNIT	WEIGHT	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	TOTAL
723410032024942	BULLDOZER	2		35.000	.00	.00	35.00	.00	.00	.00	.00	35.00	.00	.00	.00
7234101501392	LEVELLER OR GRADER	2		11.000	.00	.00	11.00	.00	.00	.00	.00	11.00	.00	.00	.00
7234102501392	LEVELLER OR GRADER	2		11.830	.00	.00	11.83	.00	.00	.00	.00	11.83	.00	.00	.00
72342002212732	FRONT END LOADER	2		9.000	.00	.00	9.00	.00	.00	.00	.00	9.00	.00	.00	.00
720314330011912	CYCLONE	1		2.000	.00	.00	.00	2.00	.00	.00	.00	.00	.00	.00	.00
	PLATE FABRICATED MACHINES	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TOTAL	0.00		0.00	66.83	66.83	2.00	0.00	0.00	0.00	0.00	66.83	0.00	0.00	135.66

COMMODITY CODE 2302-1

UNION SPICELIBANK

CAPITAL GOODS DEVELOPMENT PROJECT IN TURKEY

EQUIPMENT REQUIREMENTS FOR THE NEW CUPPER CONCENTRATION PLANT CAPACITY 630000/TY RUN OF MINE ORE

LOCATION: CAYELI/RIZE

ANTICIPATED DATE OF COMPLETION: 1987

VALUE IN US \$ (1000)

10306000003

SITC CODE	BASIC MACHINE NAME	QTY	UNIT COST	1981	1987	1983	1984	1985	1986	1987	1988	1989	1990	TOTAL
692110122323221	BIN	1	13.000	.00	.00	.00	13.000	.00	.00	.00	.00	.00	.00	13.000
692110711321211	TANK	2	4.000	.00	.00	.00	.00	8.000	.00	.00	.00	.00	.00	8.000
723120052313732	FRONT END LOADER	10	150.000	.00	.00	.00	1500.000	.00	.00	.00	.00	.00	.00	1500.000
72320052323732	FRONT END LOADER	4	120.000	.00	.00	.00	480.000	.00	.00	.00	.00	.00	.00	480.000
72312034322311	DRILLING MACHINE	20	100.000	.00	.00	.00	2000.000	.00	.00	.00	.00	.00	.00	2000.000
723120222313621	DIESEL LOCOMOTIVE	2	28.000	.00	.00	.00	56.000	.00	.00	.00	.00	.00	.00	56.000
72317331015942	FLIGHTATION MACHINE	10	80.000	.00	.00	.00	800.000	.00	.00	.00	.00	.00	.00	800.000
728320137223302	GYRATOR CONE CRUSHER	3	205.000	.00	.00	.00	615.000	.00	.00	.00	.00	.00	.00	615.000
728320243324002	JAW CRUSHER	1	450.000	.00	.00	.00	450.000	.00	.00	.00	.00	.00	.00	450.000
728321123224002	ROLL MILL	2	1100.000	.00	.00	.00	2200.000	.00	.00	.00	.00	.00	.00	2200.000
728321523326902	ROLL MILL	1	1000.000	.00	.00	.00	1000.000	.00	.00	.00	.00	.00	.00	1000.000
728330044023922	MIXERS	7	13.000	.00	.00	.00	91.000	.00	.00	.00	.00	.00	.00	91.000
741644040145421	DRUM DRIVERS (O. D.)	1	80.000	.00	.00	.00	80.000	.00	.00	.00	.00	.00	.00	80.000
741644040145421	DRUM DRIVERS (O. D.)	1	20.000	.00	.00	.00	20.000	.00	.00	.00	.00	.00	.00	20.000
74220131312722	S. ST. CENT. PUMP (CIRC)	8	13.000	.00	.00	.00	104.000	.00	.00	.00	.00	.00	.00	104.000
74220142311732	S. ST. CENT. PUMP (CIRC)	4	33.000	.00	.00	.00	132.000	.00	.00	.00	.00	.00	.00	132.000
743112.4122912	S. ST. CENT. PUMP (CIRC)	1	40.000	.00	.00	.00	40.000	.00	.00	.00	.00	.00	.00	40.000
74311034111712	CENT. COMP. PULVI ST	2	8.000	.00	.00	.00	16.000	.00	.00	.00	.00	.00	.00	16.000
74311034111712	RAGIAL FAN (SING. JUC)	2	73.000	.00	.00	.00	146.000	.00	.00	.00	.00	.00	.00	146.000
74311211021421	MULTI CYCLONES	10	8.600	.00	.00	.00	86.000	.00	.00	.00	.00	.00	.00	86.000
74320142003231	BCH. TRIC. AND DEC.	2	94.000	.00	.00	.00	188.000	.00	.00	.00	.00	.00	.00	188.000
74320142003232	BCH. TRIC. AND DEC.	2	100.000	.00	.00	.00	200.000	.00	.00	.00	.00	.00	.00	200.000
7432424035232	DISC VACUUM FILTER	2	250.000	.00	.00	.00	500.000	.00	.00	.00	.00	.00	.00	500.000
744112022093221	DUMP TRUCK	4	120.000	.00	.00	.00	480.000	.00	.00	.00	.00	.00	.00	480.000
744260122011911	FLAT BELT CONVEYER	2	50.000	.00	.00	.00	100.000	.00	.00	.00	.00	.00	.00	100.000
744260132011911	FLAT BELT CONVEYER	1	80.000	.00	.00	.00	80.000	.00	.00	.00	.00	.00	.00	80.000
744267433012912	APRON FEEDER	2	40.000	.00	.00	.00	80.000	.00	.00	.00	.00	.00	.00	80.000
7442814120011611	TURNOVER DUMPER	40	13.000	.00	.00	.00	520.000	.00	.00	.00	.00	.00	.00	520.000

PLATE FABRICATED 7.00 0.00 0.00 99.00 1119.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1209.00

MACHINES 0.00 0.00 0.00 6343.00 5782.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 12325.00

TOTAL 0.00 0.00 0.00 6442.00 6897.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 13324.00

743620331001112	SUPERSTRUCTURE THICK	1	50.000	.00	.00	.00	.00	.00	.00	.00	50.00	.00	.00	50.00
743620364007112	SUPERSTRUCTURE THICK	7	250.000	.00	.00	.00	.00	.00	.00	.00	1750.00	.00	.00	1750.00
743620373006112	SUPERSTRUCTURE THICK	3	160.000	.00	.00	.00	.00	.00	.00	.00	480.00	.00	.00	480.00
743620373006112	SUPERSTRUCTURE THICK	1	180.000	.00	.00	.00	.00	.00	.00	.00	180.00	.00	.00	180.00
743620364007112	SUPERSTRUCTURE THICK	1	250.000	.00	.00	.00	.00	.00	.00	.00	250.00	.00	.00	250.00
743623151003112	LEAF PR. FILTER	2	100.000	.00	.00	.00	.00	.00	.00	.00	200.00	.00	.00	200.00
743624110002212	CONT. DRUM FILTER	1	60.000	.00	.00	.00	.00	.00	.00	.00	60.00	.00	.00	60.00
743624171003112	CONT. DRUM FILTER	5	120.000	.00	.00	.00	.00	.00	.00	.00	600.00	.00	.00	600.00
744112023004942	DUMP TRUCK	4	200.000	.00	.00	.00	.00	.00	.00	.00	800.00	.00	.00	800.00
744260212011911	TROUGHED BELT CNV.	2	7.500	.00	.00	.00	.00	.00	.00	.00	15.00	.00	.00	15.00
744260212031911	TROUGHED BELT CNV.	2	10.500	.00	.00	.00	.00	.00	.00	.00	21.00	.00	.00	21.00
744260222021911	TROUGHED BELT CNV.	3	7.500	.00	.00	.00	.00	.00	.00	.00	22.50	.00	.00	22.50
744260233031911	TROUGHED BELT CNV.	3	13.200	.00	.00	.00	.00	.00	.00	.00	39.60	.00	.00	39.60
744267512011921	VIBRATORY FEEDER	2	9.900	.00	.00	.00	.00	.00	.00	.00	19.80	.00	.00	19.80
745250643111912	CONVEYOR SCALES	1	7.000	.00	.00	.00	.00	.00	.00	.00	7.00	.00	.00	7.00
PLATE FABRICATED MACHINES			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3177.00	9533.80	0.00	12715.80
TOTAL			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6351.20	2349.50	0.00	8700.70
TOTAL			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9528.20	11883.30	0.00	21411.50

UNIQ-SFC(ETI)BAKH
 CAPITAL GOODS DEVELOPMENT PROJECT IN TURKEY
 EQUIPMENT REQUIREMENTS FOR THE HOD-PEH COLEMANITE WORKS
 LOCATION: EMET/AUTAHYA
 ANTICIPATED DATE OF COMMISSIONING: 1990
 VALUE IN US \$ (1000)

COMMODITY CODE : 2902-6

PLANT CAPACITY 33000000 TON RUN OF MINE ORE

209093000099

SITC CODE	BASIC MACHINE NAME	QTY	UNIT COST	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	TOTAL
723410032023932	BULLDOZER	2	120.000	.00	.00	.00	240.00	.00	.00	.00	.00	240.00	.00	480.00
723411022023932	LEVELLER OR GRADER	1	120.000	.00	.00	120.00	.00	.00	.00	.00	120.00	.00	.00	240.00
723420032213932	FRONT END LOADER	2	100.000	.00	.00	.00	200.00	.00	.00	.00	240.00	.00	.00	440.00
723420042313932	FRONT END LOADER	2	120.000	.00	.00	.00	240.00	.00	.00	.00	.00	240.00	.00	480.00
723425034225932	ELECTRIC EXCAVATOR	3	300.000	.00	.00	900.00	.00	.00	.00	.00	.00	.00	.00	900.00
723425045326932	ELECTRIC EXCAVATOR	3	700.000	.00	.00	.00	2100.00	.00	.00	.00	.00	.00	.00	2100.00
723430155524722	ROTIARY BLASTHOLE DR.	2	200.000	.00	.00	400.00	.00	.00	.00	.00	400.00	.00	.00	800.00
723520153212222	BATTERY LOCOMOTIVE	2	20.000	.00	.00	40.00	.00	.00	.00	.00	40.00	.00	.00	80.00
720320220302711	JAW CRUSHER	1	22.000	.00	.00	22.00	.00	.00	.00	.00	.00	.00	.00	22.00
743132330121912	SCREW COMPRESSOR	2	15.000	.00	.00	30.00	.00	.00	.00	.00	.00	.00	.00	30.00
744110042001911	FORKLIFT TRUCK	1	27.000	.00	.00	.00	27.00	.00	.00	.00	.00	.00	.00	27.00
744112024004231	DUMP TRUCK	6	60.000	.00	420.00	.00	.00	.00	.00	480.00	.00	.00	.00	900.00
744112033003222	DUMP TRUCK	20	65.000	.00	1300.00	.00	.00	.00	.00	1300.00	.00	.00	.00	2600.00
744220233103232	DUMP CRANE EXTRACTOR	1	25.000	.00	.00	25.00	.00	.00	.00	.00	.00	.00	.00	25.00
744220132012921	FLAT BELT CONVEYOR	1	6.400	.00	.00	6.40	.00	.00	.00	.00	.00	.00	.00	6.40
	PLATE FABRICATED MACHINES		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TOTAL		0.00	2150.00	1547.00	707.00	2100.00	0.00	2130.00	860.00	480.00	900.00	10890.00	18900.00

UNIDO-SPC(ETIBANK)
CAPITAL GOODS DEVELOPMENT PROJECT IN TURKEY

COMMODITY CODE : 2902-6

EQUIPMENT REQUIREMENTS FOR THE EXPANSION COLEMANITE MINE

PLANT CAPACITY 100000 TONNAGE/ANNUITY RUN OF MINE ORE

LOCATION: BICADIC/BALIKESIR

ANTICIPATED DATE OF COMPLETION : 1990

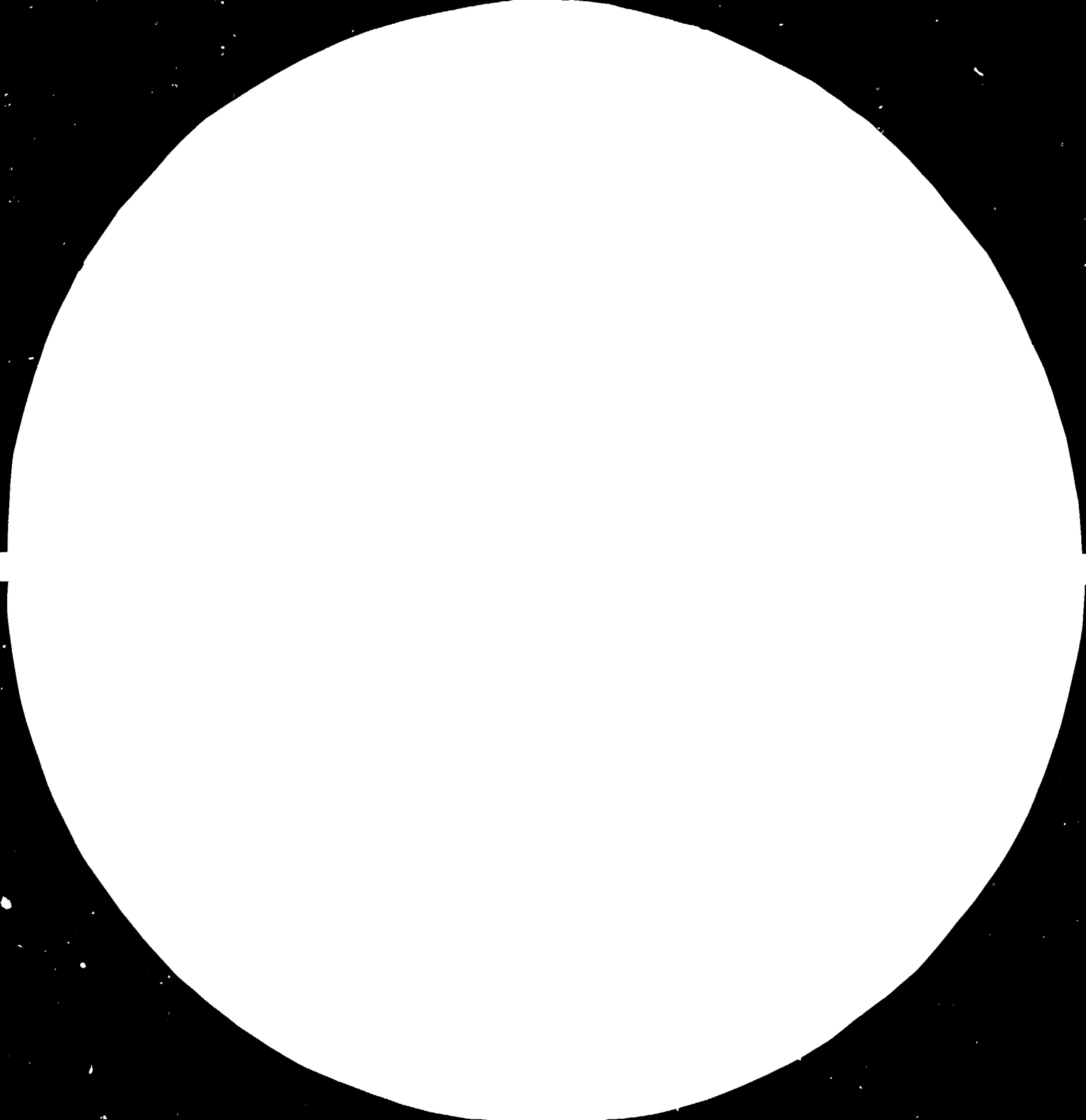
VALUE IN US \$ (1000)

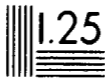
310040003010

SITE CODE	BASIC MACHINE NAME	QTY	UNIT COST	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	TOTAL
723410032023931	BULLDOZER	2	285.000	.00	285.00	.00	.00	.00	.00	285.00	.00	.00	.00	572.00
723411022023931	LEVELLER OR GRADER	2	143.000	.00	.00	143.00	.00	.00	.00	.00	143.00	.00	.00	286.00
723420042213931	FRONT END LOADER	2	214.000	.00	214.00	.00	.00	.00	.00	214.00	.00	.00	.00	428.00
723420042223931	FRONT END LOADER	2	214.000	.00	15.00	.00	.00	.00	.00	15.00	.00	.00	.00	30.00
723430133522712	ROTARY PLASTER DR.	4	225.000	.00	450.00	.00	.00	.00	.00	450.00	.00	.00	.00	900.00
723432011101911	DRILLING MACHINE	5	0.400	2.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	2.00
723432011101911	DRILLING MACHINE	5	0.400	2.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	2.00
723510000001911	BLASTING MACHINE	2	0.300	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.60
743132323121911	SCREW COMPRESSOR	2	7.100	.00	14.20	.00	.00	.00	.00	.00	.00	.00	.00	14.20
744112014033221	DUMP TRUCK	2	7.900	7.90	.00	.00	.00	.00	7.90	.00	.00	.00	.00	15.80
744112024033231	DUMP TRUCK	2	10.200	.00	10.20	.00	.00	.00	.00	10.20	.00	.00	.00	20.40
744112044004232	DUMP TRUCK	22	82.000	.00	.00	852.00	.00	.00	.00	.00	.00	.00	.00	852.00
	PLATE FABRICATED MACHINES		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			12.50	989.40	995.00	0.00	0.00	7.90	975.20	143.00	0.00	852.00	3975.00	
	TOTAL		12.50	989.40	995.00	0.00	0.00	7.90	975.20	143.00	0.00	852.00	3975.00	

D-040







28 25



PHOTOCOPIER RESOLUTION TEST CHART

NATIONAL BUREAU OF STANDARDS
1010 BUREAU DRIVE
GAITHERSBURG, MARYLAND 20899
ASTM DESIGNATION: Z39.18-82

COMMODITY CODE : 2902-4

CE FUEL OILS, AVIATION TURBINE FUELJECTIN TURBY
 EQUIPMENT AND PROPANE GAS FOR EXPANSION COMPRESSOR CATERPILLAR
 LOCATION: WASHINGTON STATE
 ADMINISTRATIVE UNIT: TRANSPORTATION
 VALUE IN US \$ (1970)

MONTH	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	TOTAL
01	2,000	00	1,00	00	00	00	00	00	00	00	00	00	00	00	00
02	2,000	00	1,00	00	00	00	00	00	00	00	00	00	00	00	00
03	1,400	00	1,00	00	00	00	00	00	00	00	00	00	00	00	00
04	2,000	00	1,00	00	00	00	00	00	00	00	00	00	00	00	00
05	14,000	14,000	00	00	00	00	00	00	00	00	00	00	00	00	00
06	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
07	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
08	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
09	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
10	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
11	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
12	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
TOTAL	20,000	14,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	216.50

TOTAL 216.50
 TOTAL 216.50
 TOTAL 216.50

CAPITAL GOODS DEVELOPMENT PROJECT IN TURKEY
 EQUIPMENT REQUIREMENTS FOR REPLACEMENT
 LOCATION: BIGADIC/BALIKESIR
 NAME OF PLANT AND YEAR OF STARTING COLEMANITE WORKS 1990
 VALUE IN US \$ (1000)

41500000015

SIIIC CODE	BASIC MACHINE NAME	QTY	UNIT COST	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	TOTAL
727410043024932	BULLDOZER	1	355.000	.00	.00	.00	.00	.00	.00	355.00	.00	.00	.00	.00 355.00
7232002212392	FRONT END LOADER	3	145.000	.00	.00	.00	.00	.00	290.00	435.00	.00	.00	.00	.00 435.00
723420032213932	FRONT END LOADER	3	180.000	.00	.00	.00	.00	.00	340.00	540.00	.00	.00	.00	.00 540.00
7232003231392	FRONT END LOADER	1	200.000	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00 200.00
723270042313932	FRONT END LOADER	2	214.000	.00	.00	.00	.00	.00	.00	214.00	.00	.00	.00	.00 428.00
723420033313932	ELECTRIC EXCAVATOR	2	900.000	.00	.00	.00	.00	.00	.00	700.00	.00	.00	.00	.00 700.00
72343013322912	ROTARY DRAGLINE CR.	2	225.000	.00	.00	.00	.00	.00	.00	225.00	.00	.00	.00	.00 450.00
720300330012912	RECIPROCATING STRECH	1	40.000	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00 40.00
72031132012912	SPIRAL WET CLASSIFI.	1	650.000	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00 650.00
72032014323732	JAW CRUSHER	1	70.000	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00 70.00
74200143311712	SINGLE-ACTING PISTON	2	30.000	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00 60.00
74201134321512	SINGLE-ACTING PLUNGE	20	100.000	.00	.00	.00	.00	.00	.00	100.00	.00	.00	.00	.00 100.00
7420114432312	SINGLE-ACTING PLUNGE	8	24.000	.00	.00	.00	.00	.00	.00	48.00	.00	.00	.00	.00 48.00
74201144323122	SINGLE-ACTING PLUNGE	1	16.000	.00	.00	.00	.00	.00	.00	28.00	.00	.00	.00	.00 28.00
74201144323122	SINGLE-ACTING PLUNGE	2	13.000	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00 26.00
74201144323122	SINGLE-ACTING PLUNGE	1	27.000	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00 27.00
74310122121612	S. ST. CONT. PUMPTACT	6	20.000	.00	.00	.00	.00	.00	.00	60.00	.00	.00	.00	.00 60.00
74310132121622	RECIP-COMP-SING-ST.	6	25.000	.00	.00	.00	.00	.00	.00	75.00	.00	.00	.00	.00 75.00
74310132121622	RECIP-COMP-SING-ST.	6	25.000	.00	.00	.00	.00	.00	.00	75.00	.00	.00	.00	.00 75.00
74310132121622	RECIP-COMP-SING-ST.	1	25.000	.00	.00	.00	.00	.00	.00	25.00	.00	.00	.00	.00 25.00
74412014003922	DUMP TRUCK	16	8.000	.00	.00	.00	.00	.00	.00	8.00	.00	.00	.00	.00 8.00
74412044003932	DUMP TRUCK	10	85.000	.00	.00	.00	.00	.00	.00	85.00	.00	.00	.00	.00 85.00
7442202212222	OVERHEAD BRIDGE CRN.	2	10.000	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00 20.00
74420122011912	WHEEL CRANE	2	6.000	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00 12.00
74420122011912	FLAT BELT CONVEYOR	1	7.500	.00	.00	.00	.00	.00	.00	7.50	.00	.00	.00	.00 7.50
74420132011912	FLAT BELT CONVEYOR	16	171.000	.00	.00	.00	.00	.00	.00	513.00	.00	.00	.00	.00 513.00
74420132011912	CHAIN CONVEYOR	22	171.000	.00	.00	.00	.00	.00	.00	342.00	.00	.00	.00	.00 342.00
744267423013922	APRON FEEDER	2	171.000	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00 342.00

PLATE FABRICATED MACHINES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL	0.00	1369.00	2866.00	350.00	1103.00	1113.00	3614.00	455.00	1884.00	493.00	13246.00	0.00	0.00	0.00
TOTAL	0.00	1368.00	2866.00	350.00	1103.00	1113.00	3614.00	455.00	1884.00	493.00	13246.00	0.00	0.00	0.00

COMMODITY CODE : 3581-7

UNIC-SPOCETISANK)
CAPITAL GOODS DEVELOPMENT PROJECT IN TURKEY
EQUIPMENT REQUIREMENTS FOR REPLACEMENT
LOCATION: PANDIRNAZBALIKESIR
NAME OF PLANT AND YEAR OF STARTING BUTAN AND ACTUATORS 1983
VALUE IN US \$ (1000)

4160000016

SITC CODE BASIC MACHINE NAME QTY UNIT COST 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 TOTAL

72340022112912 FRONT END LOADER 2 145.00 .00 .00 290.00 .00 .00 .00 .00 .00 .00 290.00
744112023093232 DUMP TRUCK 2 236.60 .00 .00 473.20 .00 .00 .00 .00 .00 .00 473.20

PLATE FABRICATED 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
MACHINES 0.00 0.00 763.60 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 763.60

TOTAL 0.00 0.00 763.60 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 763.60

COMMODITY CODE : 2902-2

UNID0 (PROJECT/ANP)
CAPITAL ECUS DEVELOPMENT PROJECT IN TURKEY
EQUIPMENT REQUIREMENTS FOR REPLACEMENT
LOCATION: BEYSEHIR/KONYA
NAME OF PLANT AND YEAR OF STARTUP: BARTYE BUKAS 1983
VALUE IN US \$ (1000)

4170000917

SITC CODE	BASIC MACHINE NAME	QTY	UNIT COST	1991	1982	1983	1984	1985	1986	1987	1988	1989	1990	TOTAL
72342031223622	FRONT END LOADER	1	416.200	.00	.00	416.20	.00	.00	.00	.00	.00	.00	.00	.00 416.20
	PLATE FABRICATED MACHINES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00 0.00
	TOTAL	0.00	0.00	416.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00 416.20

COMMODITY CODE : 2302-7

UNION-SPECIFICATION)
CAPITAL GOODS DEVELOPMENT PROJECT IN TURKEY
EQUIPMENT REQUIREMENTS FOR REPLACEMENT
LOCATION: HALKOVIZIR

NAME OF PLANT AND YEAR OF STARTING MERCURY YEARS

VALUE IN US \$ (1980)

4100000010

SIC CODE	BASIC MACHINE NAME	QTY	UNIT COST	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	TOTAL
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74220136311211	5-ST. CENT. PUMP(CIRC)	2	27,000	.00	.00	.00	.00	.00	60.00	.00	.00	.00	.00	60.00
	PLATE FABRICATED MACHINES		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TOTAL		0.00	0.00	0.00	0.00	0.00	60.00	0.00	0.00	0.00	0.00	0.00	60.00

COMMODITY CODE : 2302-5

UNIDOSPEC(ETRAMF)
 CAPITAL GCECS DEVELOPMENT PROJECT IN TURKEY
 EQUIPMENT REQUIREMENTS FOR REPLACEMENT
 LOCATION: ULUDAG/BURSA
 NAME OF PLANT AND YEAR OF STARTING : TORGSTEN WJRS 1979
 VALUE IN US \$ (1000)

41900000019

SITE CODE	BASIC MACHINE NAME	QTY	UNIT COST	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	TOTAL
716212054491612	P.PH.ASY+CM. MOTORS	1	10.500	.00	.00	.00	10.50	.00	.00	.00	.00	.00	.00	10.50
723410043024942	BULLDOZER	1	156.200	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	156.20
723420620113922	FRONT END LOADER	2	164.800	.00	.00	.00	.00	321.60	.00	.00	.00	.00	.00	321.60
723420620113922	FRONT END LOADER	1	75.100	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	75.10
723520321431912	DIESEL W/ROST. LJC.	3	65.700	.00	.00	.00	197.10	.00	.00	.00	.00	.00	.00	197.10
723520321431922	DIESEL W/ROST. LJC.	3	109.800	.00	.00	.00	329.40	.00	.00	.00	.00	.00	.00	329.40
743130132113222	RECIP.COMP. SING. ST.	1	43.800	.00	.00	.00	.00	.00	.00	.00	.00	43.80	.00	43.80

PLATE FABRICATED 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
 MACHINES 0.00 0.00 0.00 537.50 0.00 321.60 0.00 43.80 219.30 1122.10

TOTAL 0.00 0.00 0.00 537.50 0.00 321.60 0.00 43.80 219.30 1122.10

UNIDOC-SPECIFICATIONS

CAPITAL GOODS DEVELOPMENT PROJECT IN TURKEY

COMMUNITY CODE 2909-1

EQUIPMENT REQUIREMENTS FOR REPLACEMENT

LOCATIONS: CUMACVASTI/2318

NAME OF PLANT AND YEAR OF STARTING

VALUE IN US \$ (1000)

1987

4210000021

SITC CODE BASIC MACHINE NAME QTY UNIT COST 1991 1992 1993 1994 1995 1996 1997 1998 1989 1999 TOTAL

SITC CODE	BASIC MACHINE NAME	QTY	UNIT COST	1991	1992	1993	1994	1995	1996	1997	1998	1989	1999	TOTAL
72310039213932	BULLDOZER	2	125.000	.00	.00	.00	.125.00	.00	.00	.00	.00	.00	.00	.250.00
72310042021332	BULLDOZER	1	140.000	.00	140.00	.00	.00	.00	.00	.00	.00	.00	.00	140.00
7231013322312	ROTARY BLASTACLE DR.	1	230.000	.00	230.00	.00	.00	.00	.00	.00	.00	.00	.00	230.00
7231013322312	PNEUMATIC SEPARATOR	2	68.000	.00	.00	.00	68.00	.00	.00	.00	.00	.00	.00	136.00
74310132121612	RECIP-COMP. SING. ST.	1	35.000	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	35.00
74310132121612	RECIP-COMP. SING. ST.	1	36.000	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	36.00
7411221402232	DUMP TRUCK	2	70.000	.00	.00	.00	140.00	.00	.00	.00	.00	.00	.00	140.00

PLATE FABRICATED 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00

MACHINES 0.00 370.00 0.00 331.00 0.00 35.00 0.00 222.00 0.00 0.00 0.00 0.00 0.00 0.00 988.00

TOTAL 0.00 370.00 0.00 331.00 0.00 35.00 0.00 222.00 0.00 0.00 0.00 0.00 0.00 0.00 988.00

UNLOC-SPECIFICATIONS

CAPITAL GOODS DEVELOPMENT PROJECT IN TURKEY
 EQUIPMENT REQUIREMENTS FOR REPLACEMENT
 LOCATION: EMEYRUTANIYA
 NAME OF PLANT AND YEAR OF STARTING: COLEMANITE WORKS 1970
 VALUE IN US \$ (1000)

4240000024

SIC CODE	BASIC MACHINE MAKE	QTY	UNIT COST	1991	1992	1993	1984	1985	1986	1987	1988	1989	1997	TOTAL
723410032023932	BULLDOZER	1	60,000	70	60,000	00	00	00	00	00	00	00	00	60,000
723410042024932	BULLDOZER	2	130,000	00	00	260,000	00	00	00	00	00	00	00	260,000
723410042024932	BULLDOZER	1	120,000	00	00	00	00	00	00	00	00	00	00	120,000
723410022023932	LEVELLER OR GRADER	1	125,000	00	00	00	00	00	00	00	00	00	00	125,000
723420022112932	FRONT END LOADER	2	60,000	00	00	160,000	00	00	00	00	00	00	00	160,000
723420032213932	FRONT END LOADER	2	100,000	00	180,000	00	00	00	00	00	00	00	00	180,000
723420042313932	FRONT END LOADER	2	120,000	00	00	00	00	00	00	120,000	120,000	00	00	240,000
723421035423932	POWER SHOVEL	3	350,000	00	780,000	00	00	00	350,000	00	00	00	00	1,480,000
723425046426942	ELECTRIC EXCAVATOR	3	700,000	00	00	700,000	00	00	00	00	00	00	00	2,100,000
72343103624932	HYDRA ELASTIC OR.	1	200,000	00	200,000	00	00	00	00	00	00	00	00	200,000
723520212111912	BATTERY LOCOMOTIVE	1	17,000	00	17,000	00	00	00	00	00	00	00	00	17,000
723520213111912	DIESEL LOCOMOTIVE	1	12,000	00	00	00	00	00	00	12,000	00	00	00	12,000
723520221111912	DIESEL LOCOMOTIVE	2	15,000	00	00	30,000	15,000	00	00	00	00	00	00	45,000
7282022022721	JAW CRUSHER	1	22,000	00	00	00	00	00	22,000	00	00	00	00	22,000
729320220321711	ROLL DRUM CRUSHER	1	22,000	00	00	00	00	00	22,000	00	00	00	00	22,000
742201413111312	S-ST. CENT. PUMPC (I/F)	3	33,000	00	00	00	00	00	00	00	00	00	00	99,000
743132330121912	SCREEN COMPRESSOR	1	15,000	00	15,000	00	00	00	00	00	00	00	00	15,000
744110042001921	FORKLIFT TRUCK	1	27,000	00	00	27,000	00	00	00	00	00	00	00	27,000
744112014002931	DUMP TRUCK	2	60,000	00	00	00	00	00	00	00	00	00	00	60,000
744112924002931	DUMP TRUCK	3	65,000	00	00	00	65,000	65,000	00	00	00	00	00	195,000
744112033003932	DUMP TRUCK	19	85,000	00	00	00	00	00	00	00	00	00	00	1,615,000
744112034003932	DUMP TRUCK	15	85,000	00	1,275,000	42,000	00	00	425,000	00	00	00	00	1,747,000
744220233104242	BOOM CRANE (F I N E D)	1	25,000	00	00	00	25,000	00	00	00	00	00	00	25,000
PLATE FABRICATED														
				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MACHINES														
				0.00	1517.00	1602.00	105.80	65.90	619.80	132.00	120.00	1869.50	1569.00	7751.80
TOTAL				0.00	1517.00	1602.00	105.80	65.90	619.80	132.00	120.00	1869.50	1569.00	7751.80

UNIOSSPC(ETIBANK) COMMODITY CODE: 2502-1

CAPITAL GOODS DEVELOPMENT PROJECT IN TURKEY
 EQUIPMENT REQUIREMENTS FOR REPLACEMENT
 LOCATION: ENGARI/ELAZIG
 NAME OF PLANT AND YEAR OF STARTING COPPER WORKS 1988
 VALUE IN US \$ (1000)

4200000026

SITC CODE	BASIC MACHINE NAME	QTY	UNIT COST	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	TOTAL
712610129214642	CONDENSING TURBINES	1	1316.000	.00	.00	.001316.00	.00	.00	.00	.00	.00	.00	.00	.001316.00
714220029213622	CTOR-SYN. GENERATOR	1	1316.000	.00	.00	.001316.00	.00	.00	.00	.00	.00	.00	.00	.001316.00
723410032023932	BULLDOZER	3	789.000	.00	.00	.002367.00	.00	.00	.00	.00	.00	.00	.00	.002367.00
723411033004932	LEVELLER GR GRADER	2	329.000	.00	.00	.001184.00	.00	.00	.00	.00	.00	.00	.00	.001184.00
723420022223932	FRONT END LOADER	2	592.000	.00	.00	.001176.00	.00	.00	.00	.00	.00	.00	.00	.001176.00
723420032213932	FRONT END LOADER	3	592.000	.00	.00	.001776.00	.00	.00	.00	.00	.00	.00	.00	.001776.00
723420032213932	FRONT END LOADER	3	196.400	.00	.00	.00589.20	.00	.00	.00	.00	.00	.00	.00	.00589.20
723420032213932	ELECTRIC EXCAVATOR	6	1578.000	.00	.00	.009468.00	.00	.00	.00	.00	.00	.00	.00	.009468.00
72343013523922	ROTARY BLASTMELE CR.	4	197.000	.00	.00	.00788.00	.00	.00	.00	.00	.00	.00	.00	.00788.00
741610163448342	WASTE-HEAT BCLER	1	1316.000	.00	.00	.001316.00	.00	.00	.00	.00	.00	.00	.00	.001316.00
743130232131612	RECIP. COMP. MULY. ST.	4	329.000	.00	.00	.001316.00	.00	.00	.00	.00	.00	.00	.00	.001316.00
743133051113642	TURBO COMPRESSOR	1	262.000	.00	.00	.00262.00	.00	.00	.00	.00	.00	.00	.00	.00262.00
744110062002922	FORKLIFT TRUCK	2	15.100	.00	.00	.00184.00	.00	.00	.00	.00	.00	.00	.00	.00184.00
74412014003222	DUMP TRUCK	1	263.100	.00	.00	.00263.100	.00	.00	.00	.00	.00	.00	.00	.00263.100
74412034003932	DUMP TRUCK	20	263.100	.00	.00	.005262.00	.00	.00	.00	.00	.00	.00	.00	.005262.00
PLATE FABRICATED MACHINES														
			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL														
			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

COMMODITY CODE: 2302-4

UNION-SPCCTIANKS
CAPITAL GOODS DEVELOPMENT: PROJECT IN TURKEY
EQUIPMENT REQUIREMENTS FOR REPLACEMENT

LOCATION: ELAZIG
NAME OF PLANT AND YEAR OF STARTING: FERROCHROME WORKS
VALUE IN US \$ (1000)

4270000027

SIC CODE	BASIC MACHINE NAME	QTY	UNIT COST	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	TOTAL
69211041132111	SILO	20	7.300	.00	.00	.02	.00	.00	146.00	.00	.00	.00	.00	146.00
6921102122111	VESSEL	2	72.300	.00	.00	.03	147.50	.00	.00	.00	.00	.00	.00	147.50
72032021712121	JAW CRUSHER	1	30.000	.00	.00	.09	.00	.00	30.00	.00	.00	.00	.00	30.00
	PLATE FABRICATED MACHINES		0.00	0.00	0.00	145.63	0.00	146.00	0.00	0.00	0.00	0.00	0.00	290.63
	TOTAL		0.00	0.00	0.00	147.63	0.00	176.00	0.00	0.00	0.00	0.00	0.00	320.63

COMMODITY CODE 2902-4

UN100-SPOCETIBANA)
 CAPITAL GOODS DEVELOPMENT PROJECT IN TURKEY
 EQUIPMENT REQUIREMENTS FOR REPLACEMENT
 LOCATION: RESER/BUSSA

		EQUIPMENT SUMS												
		YEAR OF STARTING												
		VALUE IN US \$ (1000)												
SITE CODE	NAME	QTY	UNIT COST	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	TOTAL

742200143311712	S. ST. CENT. PUMP(CIRC)	2	90.000	.00	.00	90.00	.00	.00	.00	.00	90.00	.00	.00	180.00
742200151311712	S. ST. CENT. PUMP(CIRC)	2	126.300	.00	.00	126.30	.00	.00	.00	.00	126.30	.00	.00	252.60
744230020021712	WINCH	5	105.000	.00	.00	.00	.00	315.00	.00	.00	.00	.00	.00	315.00
744210020021712	" INCH	2	300.000	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	0.00
	PLATE FABRICATED		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	MACHINES		0.00	0.00	216.30	0.00	3315.00	0.00	0.00	0.00	216.30	0.00	3315.00	7062.60
	TOTAL		0.00	0.00	216.30	0.00	3315.00	0.00	0.00	216.30	0.00	3315.00	7062.60	

102

COMMODITY CODE 2502-3

UNID-SPECIFICATION

CAPITAL GOODS DEVELOPMENT PROJECT IN TURKEY

EQUIPMENT REQUIREMENTS FOR REPLACEMENT

LOCATIONS: KECIBOGLU/ISPARTA

NAME OF PLANT AND YEAR OF STARTING

VALUE IN US \$ (1000)

SULPHUR WORKS

1989

42990000029

SITC CODE	BASIC MACHINE NAME	QTY	UNIT COST	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	TOTAL
72341023023942	GULLOCZER	1	160.000	.00	.00	.00	.00	180.00	.00	.00	.00	.00	.00	180.00
72342032213942	FRONT END LOADER	2	135.000	.00	.00	.00	135.00	.00	.00	.00	135.00	.00	.00	270.00
743130232121612	RECIP. COMP. MULT-ST.	2	150.000	.00	.00	.00	150.00	.00	.00	.00	.00	150.00	.00	300.00
7441201602912	DUMP TRUCK	3	70.000	.00	.00	.00	70.00	.00	70.00	.00	.00	70.00	.00	210.00
	PLATE FABRICATED MACHINES			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TOTAL			0.00	0.00	0.00	355.00	180.00	70.00	0.00	0.00	355.00	0.00	960.00

UN100-SPC(ETI-BANK)
 CAPITAL GOODS DEVELOPMENT PROJECT IN TURKEY

COMMODITY CODE : 2302-4

EQUIPMENT REQUIREMENTS FOR REPLACEMENT
 LOCATION: GULEMAN/ELAZIG
 NAME OF PLANT AND YEAR OF STARTING
 VALUE IN US \$ (1000)

430000000030

SITC CODE	BASIC MACHINE NAME	QTY	UNIT COST	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	TOTAL
723410032924942	BULLDOZER	2	350.000	.00	.00	350.00	.00	.00	.00	.00	350.00	.00	.00	700.00
723411015013932	LEVELLER OR GRADER	2	135.000	.00	.00	135.00	.00	.00	.00	.00	135.00	.00	.00	270.00
723411025013942	LEVELLER OR GRADER	2	140.000	.00	.00	140.00	.00	.00	.00	.00	140.00	.00	.00	280.00
723420022112932	FRONT END LOADER	2	130.000	.00	.00	130.00	.00	.00	.00	.00	130.00	.00	.00	260.00
728314330011912	CYCLONE	1	95.900	.00	.00	.00	95.90	.00	.00	.00	.00	.00	.00	95.90
	PLATE FABRICATED MACHINES		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			0.00	0.00	755.00	95.90	0.00	0.00	0.00	755.00	0.00	0.00	0.00	1605.90
	TOTAL		0.00	0.00	755.00	95.90	0.00	0.00	0.00	755.00	0.00	0.00	0.00	1605.90

42

KONIGSPERGER
 CAPITAL GOODS DEVELOPMENT PROJECT IN TUNNEY
 EQUIPMENT REQUIREMENTS FOR THE NEW PLANT
 LOCATION: NIKHRESHSCHER
 CAPACITY 30 T/M
 NAME OF PLANT AND YEAR OF STARTING
 BECOM COMPOUNDS
 1983

SITC CODE	BASIC MACHINE NAME	SIT	UNIT	WEIGHT	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	TOTAL
69210101221212	SIL0	1	1	4.20	4.20	.00	.00	.00	.00	.00	.00	.00	.00	.00	4.20
7110101010101010	SIL0	1	1	2.40	2.40	.00	.00	.00	.00	.00	.00	.00	.00	.00	2.40
7110101010101010	SIL0	1	1	2.40	2.40	.00	.00	.00	.00	.00	.00	.00	.00	.00	2.40
7110101010101010	SIL0	1	1	2.40	2.40	.00	.00	.00	.00	.00	.00	.00	.00	.00	2.40
015 S	1122222222222222	1	1	3.90	3.90	.00	.00	.00	.00	.00	.00	.00	.00	.00	3.90
015 S	1122222222222222	2	2	6.50	13.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	13.00
015 S	1122222222222222	3	3	6.50	19.50	.00	.00	.00	.00	.00	.00	.00	.00	.00	19.50
015 S	1122222222222222	4	4	6.50	26.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	26.00
015 S	1122222222222222	5	5	6.50	32.50	.00	.00	.00	.00	.00	.00	.00	.00	.00	32.50
015 S	1122222222222222	6	6	6.50	39.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	39.00
015 S	1122222222222222	7	7	6.50	45.50	.00	.00	.00	.00	.00	.00	.00	.00	.00	45.50
015 S	1122222222222222	8	8	6.50	52.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	52.00
015 S	1122222222222222	9	9	6.50	58.50	.00	.00	.00	.00	.00	.00	.00	.00	.00	58.50
015 S	1122222222222222	10	10	6.50	65.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	65.00
015 S	1122222222222222	11	11	6.50	71.50	.00	.00	.00	.00	.00	.00	.00	.00	.00	71.50
015 S	1122222222222222	12	12	6.50	78.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	78.00
015 S	1122222222222222	13	13	6.50	84.50	.00	.00	.00	.00	.00	.00	.00	.00	.00	84.50
015 S	1122222222222222	14	14	6.50	91.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	91.00
015 S	1122222222222222	15	15	6.50	97.50	.00	.00	.00	.00	.00	.00	.00	.00	.00	97.50
015 S	1122222222222222	16	16	6.50	104.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	104.00
015 S	1122222222222222	17	17	6.50	110.50	.00	.00	.00	.00	.00	.00	.00	.00	.00	110.50
015 S	1122222222222222	18	18	6.50	117.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	117.00
015 S	1122222222222222	19	19	6.50	123.50	.00	.00	.00	.00	.00	.00	.00	.00	.00	123.50
015 S	1122222222222222	20	20	6.50	130.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	130.00
015 S	1122222222222222	21	21	6.50	136.50	.00	.00	.00	.00	.00	.00	.00	.00	.00	136.50
015 S	1122222222222222	22	22	6.50	143.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	143.00
015 S	1122222222222222	23	23	6.50	149.50	.00	.00	.00	.00	.00	.00	.00	.00	.00	149.50
015 S	1122222222222222	24	24	6.50	156.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	156.00
015 S	1122222222222222	25	25	6.50	162.50	.00	.00	.00	.00	.00	.00	.00	.00	.00	162.50
015 S	1122222222222222	26	26	6.50	169.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	169.00
015 S	1122222222222222	27	27	6.50	175.50	.00	.00	.00	.00	.00	.00	.00	.00	.00	175.50
015 S	1122222222222222	28	28	6.50	182.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	182.00
015 S	1122222222222222	29	29	6.50	188.50	.00	.00	.00	.00	.00	.00	.00	.00	.00	188.50
015 S	1122222222222222	30	30	6.50	195.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	195.00
015 S	1122222222222222	31	31	6.50	201.50	.00	.00	.00	.00	.00	.00	.00	.00	.00	201.50
015 S	1122222222222222	32	32	6.50	208.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	208.00
015 S	1122222222222222	33	33	6.50	214.50	.00	.00	.00	.00	.00	.00	.00	.00	.00	214.50
015 S	1122222222222222	34	34	6.50	221.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	221.00
015 S	1122222222222222	35	35	6.50	227.50	.00	.00	.00	.00	.00	.00	.00	.00	.00	227.50
015 S	1122222222222222	36	36	6.50	234.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	234.00
015 S	1122222222222222	37	37	6.50	240.50	.00	.00	.00	.00	.00	.00	.00	.00	.00	240.50
015 S	1122222222222222	38	38	6.50	247.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	247.00
015 S	1122222222222222	39	39	6.50	253.50	.00	.00	.00	.00	.00	.00	.00	.00	.00	253.50
015 S	1122222222222222	40	40	6.50	260.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	260.00

IF60060133

PLATE FABRICATED 1139.00 49.00 9.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1248.00
MACHINES 167.10 1.20 71.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 239.80

TOTAL 1366.10 51.00 71.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1489.60

COMPASSITY CODE 1

CAPITAL GESS DEVELOPMENT PROJECTS IN TURKEY
 EQUIPMENT REQUIREMENTS FOR THE EXPANSION
 LOCATION: SAHINLIYAZI/ALATINISIR
 YEAR OF PURCHASING: 1995
 TYPE OF UNIT: STORING
 CAPACITY: 100,000 LITERS
 WEIGHT IN TONS

ITEM NO

SITE CODE	BASIC MACHINE NAME	QTY	UNIT WEIGHT	1991	1992	1993	1994	1995	1996	1997	1998	1999	TOTAL
74200001	REACTOR	1	4000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
74200002	REACTOR	1	4000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
74200003	REACTOR	1	4000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
74200004	REACTOR	1	4000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
74200005	REACTOR	1	4000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
74200006	REACTOR	1	4000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
74200007	REACTOR	1	4000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
74200008	REACTOR	1	4000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
74200009	REACTOR	1	4000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
74200010	REACTOR	1	4000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
74200011	REACTOR	1	4000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
74200012	REACTOR	1	4000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
74200013	REACTOR	1	4000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
74200014	REACTOR	1	4000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
74200015	REACTOR	1	4000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
74200016	REACTOR	1	4000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
74200017	REACTOR	1	4000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
74200018	REACTOR	1	4000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
74200019	REACTOR	1	4000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
74200020	REACTOR	1	4000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
74200021	REACTOR	1	4000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
74200022	REACTOR	1	4000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
74200023	REACTOR	1	4000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
74200024	REACTOR	1	4000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
74200025	REACTOR	1	4000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
74200026	REACTOR	1	4000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
74200027	REACTOR	1	4000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
74200028	REACTOR	1	4000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
74200029	REACTOR	1	4000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
74200030	REACTOR	1	4000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
74200031	REACTOR	1	4000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
74200032	REACTOR	1	4000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
74200033	REACTOR	1	4000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
74200034	REACTOR	1	4000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
74200035	REACTOR	1	4000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
74200036	REACTOR	1	4000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
74200037	REACTOR	1	4000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
74200038	REACTOR	1	4000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
74200039	REACTOR	1	4000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
74200040	REACTOR	1	4000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
74200041	REACTOR	1	4000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
74200042	REACTOR	1	4000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
74200043	REACTOR	1	4000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
74200044	REACTOR	1	4000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
74200045	REACTOR	1	4000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
74200046	REACTOR	1	4000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
74200047	REACTOR	1	4000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
74200048	REACTOR	1	4000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
74200049	REACTOR	1	4000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
74200050	REACTOR	1	4000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

TOTAL

CAPITAL GROSS DEVELOPMENT PROJECT IN TUNNEY
 EQUIPMENT REQUIREMENTS FOR THE EXPANSION
 LOCATION: SANDHURST, ONTARIO
 NAME OF PLANT AND YEAR OF STARTING WORKS: SANDHURST 1985
 HEIGHT IN TONS

SITC CODE	BASIC MACHINE NAME	QTY	UNIT WEIGHT	1981	1987	1993	1986	1985	1987	1988	1989	1990	TOTAL
6921101321312	GRINDER	2	4.300	.00	.00	.00	6.60	.00	.00	.00	.00	.00	6.60
6921101321313	GRINDER	1	6.800	.00	.00	.00	6.00	.00	.00	.00	.00	.00	6.00
6921101321314	GRINDER	1	4.300	.00	.00	.00	4.30	.00	.00	.00	.00	.00	4.30
6921101321315	GRINDER	2	6.500	.00	.00	.00	13.00	.00	.00	.00	.00	.00	13.00
6921101321316	GRINDER	3	2.200	.00	.00	.00	6.60	.00	.00	.00	.00	.00	6.60
6921101321317	GRINDER	2	2.500	.00	.00	.00	5.00	.00	.00	.00	.00	.00	5.00
6921101321318	GRINDER	4	6.500	.00	.00	.00	26.00	.00	.00	.00	.00	.00	26.00
6921101321319	GRINDER	2	3.100	.00	.00	.00	6.20	.00	.00	.00	.00	.00	6.20
6921101321320	GRINDER	1	3.800	.00	.00	.00	3.80	.00	.00	.00	.00	.00	3.80
6921101321321	GRINDER	1	1.600	.00	.00	.00	1.60	.00	.00	.00	.00	.00	1.60
6921101321322	GRINDER	2	5.600	.00	.00	.00	11.20	.00	.00	.00	.00	.00	11.20
6921101321323	GRINDER	2	7.000	.00	.00	.00	14.00	.00	.00	.00	.00	.00	14.00
6921101321324	GRINDER	1	7.500	.00	.00	.00	7.50	.00	.00	.00	.00	.00	7.50
6921101321325	GRINDER	1	8.000	.00	.00	.00	8.00	.00	.00	.00	.00	.00	8.00
6921101321326	GRINDER	1	3.500	.00	.00	.00	3.50	.00	.00	.00	.00	.00	3.50
6921101321327	GRINDER	4	7.500	.00	.00	.00	30.00	.00	.00	.00	.00	.00	30.00
6921101321328	GRINDER	2	7.500	.00	.00	.00	15.00	.00	.00	.00	.00	.00	15.00
6921101321329	GRINDER	2	12.000	.00	.00	.00	24.00	.00	.00	.00	.00	.00	24.00
6921101321330	GRINDER	2	2.000	.00	.00	.00	4.00	.00	.00	.00	.00	.00	4.00
6921101321331	GRINDER	12	9.500	.00	.00	.00	114.00	.00	.00	.00	.00	.00	114.00
6921101321332	GRINDER	2	0.300	.00	.00	.00	.60	.00	.00	.00	.00	.00	.60
6921101321333	GRINDER	2	0.300	.00	.00	.00	.60	.00	.00	.00	.00	.00	.60
6921101321334	GRINDER	2	0.300	.00	.00	.00	.60	.00	.00	.00	.00	.00	.60
6921101321335	GRINDER	2	0.300	.00	.00	.00	.60	.00	.00	.00	.00	.00	.60
6921101321336	GRINDER	24	6.300	.00	.00	.00	151.20	.00	.00	.00	.00	.00	151.20
6921101321337	GRINDER	10	0.400	.00	.00	.00	4.00	.00	.00	.00	.00	.00	4.00
6921101321338	GRINDER	2	0.300	.00	.00	.00	.60	.00	.00	.00	.00	.00	.60
6921101321339	GRINDER	4	0.200	.00	.00	.00	.80	.00	.00	.00	.00	.00	.80
6921101321340	GRINDER	4	1.100	.00	.00	.00	4.40	.00	.00	.00	.00	.00	4.40
6921101321341	GRINDER	2	2.000	.00	.00	.00	4.00	.00	.00	.00	.00	.00	4.00
6921101321342	GRINDER	2	7.500	.00	.00	.00	15.00	.00	.00	.00	.00	.00	15.00
6921101321343	GRINDER	2	3.000	.00	.00	.00	6.00	.00	.00	.00	.00	.00	6.00
6921101321344	GRINDER	4	3.000	.00	.00	.00	12.00	.00	.00	.00	.00	.00	12.00
6921101321345	GRINDER	1	1.000	.00	.00	.00	1.00	.00	.00	.00	.00	.00	1.00
6921101321346	GRINDER	1	3.900	.00	.00	.00	3.90	.00	.00	.00	.00	.00	3.90
6921101321347	GRINDER	1	7.500	.00	.00	.00	7.50	.00	.00	.00	.00	.00	7.50
6921101321348	GRINDER	11	1.000	.00	.00	.00	11.00	.00	.00	.00	.00	.00	11.00
6921101321349	GRINDER	2	1.700	.00	.00	.00	3.40	.00	.00	.00	.00	.00	3.40
6921101321350	GRINDER	1	9.500	.00	.00	.00	9.50	.00	.00	.00	.00	.00	9.50
6921101321351	GRINDER	4	0.500	.00	.00	.00	2.00	.00	.00	.00	.00	.00	2.00
6921101321352	GRINDER	1	1.500	.00	.00	.00	1.50	.00	.00	.00	.00	.00	1.50

PLATE FABRICATED 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
 MACHINES 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
 TOTAL 0.00 0.00 0.00 434.70 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 434.70

QTY	UNIT	DESCRIPTION	PRICE	TOTAL	TAX	NET	DISC	GRAND
2	EA	557-CENTRIFUGAL FILTER	60.00	120.00	0.00	120.00	0.00	120.00
1	EA	557-CENTRIFUGAL FILTER	13.75	13.75	0.00	13.75	0.00	13.75
1	EA	557-CENTRIFUGAL FILTER	24.00	24.00	0.00	24.00	0.00	24.00
2	EA	557-CENTRIFUGAL FILTER	3.00	6.00	0.00	6.00	0.00	6.00
1	EA	557-CENTRIFUGAL FILTER	32.00	32.00	0.00	32.00	0.00	32.00
1	EA	557-CENTRIFUGAL FILTER	11.70	11.70	0.00	11.70	0.00	11.70
1	EA	557-CENTRIFUGAL FILTER	3.40	3.40	0.00	3.40	0.00	3.40
1	EA	557-CENTRIFUGAL FILTER	7.50	7.50	0.00	7.50	0.00	7.50
1	EA	557-CENTRIFUGAL FILTER	15.10	15.10	0.00	15.10	0.00	15.10
1	EA	557-CENTRIFUGAL FILTER	11.40	11.40	0.00	11.40	0.00	11.40
1	EA	557-CENTRIFUGAL FILTER	35.50	35.50	0.00	35.50	0.00	35.50
1	EA	557-CENTRIFUGAL FILTER	28.20	28.20	0.00	28.20	0.00	28.20
1	EA	557-CENTRIFUGAL FILTER	5.10	5.10	0.00	5.10	0.00	5.10
1	EA	557-CENTRIFUGAL FILTER	9.90	9.90	0.00	9.90	0.00	9.90
1	EA	557-CENTRIFUGAL FILTER	3.40	3.40	0.00	3.40	0.00	3.40
1	EA	557-CENTRIFUGAL FILTER	75.40	75.40	0.00	75.40	0.00	75.40
1	EA	557-CENTRIFUGAL FILTER	2.50	2.50	0.00	2.50	0.00	2.50
2	EA	557-CENTRIFUGAL FILTER	8.50	17.00	0.00	17.00	0.00	17.00
1	EA	557-CENTRIFUGAL FILTER	2.50	2.50	0.00	2.50	0.00	2.50
1	EA	557-CENTRIFUGAL FILTER	21.00	21.00	0.00	21.00	0.00	21.00
1	EA	557-CENTRIFUGAL FILTER	26.70	26.70	0.00	26.70	0.00	26.70
1	EA	557-CENTRIFUGAL FILTER	25.10	25.10	0.00	25.10	0.00	25.10
1	EA	557-CENTRIFUGAL FILTER	28.00	28.00	0.00	28.00	0.00	28.00
1	EA	557-CENTRIFUGAL FILTER	23.90	23.90	0.00	23.90	0.00	23.90
1	EA	557-CENTRIFUGAL FILTER	15.50	15.50	0.00	15.50	0.00	15.50
1	EA	557-CENTRIFUGAL FILTER	30.00	30.00	0.00	30.00	0.00	30.00
1	EA	557-CENTRIFUGAL FILTER	3.00	3.00	0.00	3.00	0.00	3.00
1	EA	557-CENTRIFUGAL FILTER	3.50	3.50	0.00	3.50	0.00	3.50
1	EA	557-CENTRIFUGAL FILTER	5.75	5.75	0.00	5.75	0.00	5.75
1	EA	557-CENTRIFUGAL FILTER	28.50	28.50	0.00	28.50	0.00	28.50
1	EA	557-CENTRIFUGAL FILTER	6.30	6.30	0.00	6.30	0.00	6.30
1	EA	557-CENTRIFUGAL FILTER	3.70	3.70	0.00	3.70	0.00	3.70
1	EA	557-CENTRIFUGAL FILTER	4.70	4.70	0.00	4.70	0.00	4.70
1	EA	557-CENTRIFUGAL FILTER	3.60	3.60	0.00	3.60	0.00	3.60
1	EA	557-CENTRIFUGAL FILTER	3.40	3.40	0.00	3.40	0.00	3.40
1	EA	557-CENTRIFUGAL FILTER	12.20	12.20	0.00	12.20	0.00	12.20
1	EA	557-CENTRIFUGAL FILTER	12.40	12.40	0.00	12.40	0.00	12.40
1	EA	557-CENTRIFUGAL FILTER	15.30	15.30	0.00	15.30	0.00	15.30
1	EA	557-CENTRIFUGAL FILTER	8.10	8.10	0.00	8.10	0.00	8.10
1	EA	557-CENTRIFUGAL FILTER	8.30	8.30	0.00	8.30	0.00	8.30
1	EA	557-CENTRIFUGAL FILTER	10.40	10.40	0.00	10.40	0.00	10.40
1	EA	557-CENTRIFUGAL FILTER	11.50	11.50	0.00	11.50	0.00	11.50
1	EA	557-CENTRIFUGAL FILTER	20.20	20.20	0.00	20.20	0.00	20.20
1	EA	557-CENTRIFUGAL FILTER	5.20	5.20	0.00	5.20	0.00	5.20
1	EA	557-CENTRIFUGAL FILTER	6.90	6.90	0.00	6.90	0.00	6.90
1	EA	557-CENTRIFUGAL FILTER	6.90	6.90	0.00	6.90	0.00	6.90
2	EA	557-CENTRIFUGAL FILTER	5.70	11.40	0.00	11.40	0.00	11.40
1	EA	557-CENTRIFUGAL FILTER	9.70	9.70	0.00	9.70	0.00	9.70
1	EA	557-CENTRIFUGAL FILTER	3.00	3.00	0.00	3.00	0.00	3.00
1	EA	557-CENTRIFUGAL FILTER	7.70	7.70	0.00	7.70	0.00	7.70
2	EA	557-CENTRIFUGAL FILTER	15.90	31.80	0.00	31.80	0.00	31.80
1	EA	557-CENTRIFUGAL FILTER	21.20	21.20	0.00	21.20	0.00	21.20
1	EA	557-CENTRIFUGAL FILTER	24.20	24.20	0.00	24.20	0.00	24.20
1	EA	557-CENTRIFUGAL FILTER	29.20	29.20	0.00	29.20	0.00	29.20
1	EA	557-CENTRIFUGAL FILTER	21.40	21.40	0.00	21.40	0.00	21.40

PLATE FABRICATED 3532.90 201710 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 6211.00
 MACHINES 759.60 1570 5142.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 5917.90

TOTAL 6712.30 276.00 5142.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 12131.90

