

Table 11-34

UNIT: 1,00000

LOAN REPAYMENT SCHEDULE (CASE: 1ARIEE)

INTEREST PERIOD	1	2	3	4	5	6	7	8	9	10
	(-4)	(-3)	(-2)	(-1)	(.1)	(.2)	(.3)	(.4)	(.5)	(.6)
<p>INTEREST (I) LONG-1: 3.5% LONG-2: 10.0% LONG-3: 8.0% LONG-4: 12.0% SHORT: 12.0%</p>										
<p><BORROWING></p>										
LONG TERM										
LONG-1	10485	37550	128200	3705	0	0	0	0	0	0
LONG-2	0	56945	16035	0	0	0	0	0	0	0
LONG-3	0	0	99840	17620	0	0	0	0	0	0
LONG-4	0	0	0	357528	0	0	0	0	0	0
*** TOTAL (L)	10485	94515	246135	178664	0	0	0	0	0	0
SHORT TERM										
INT.WORK.CAP.	0	0	0	0	0	0	0	0	0	0
OTHER	0	0	0	0	73571	106306	121761	136349	145263	143170
*** TOTAL (S)	0	0	0	0	73571	106306	121761	136349	145263	143170
*** TOTAL	10485	94515	246135	178664	73571	106306	121761	136349	145263	143170
<p><REPAYMENT></p>										
LONG TERM										
LONG-1	0	0	0	0	0	0	5178	6818	6818	0
LONG-2	0	0	0	0	0	0	14263	16780	16780	6818
LONG-3	0	0	0	0	0	0	26257	26257	26257	16780
LONG-4	0	0	0	0	26256	26256	45627	49854	49854	26257
*** TOTAL (L)	0	0	0	0	26256	26256	45627	49854	49854	49854
SHORT TERM										
INT.WORK.CAP.	0	0	0	0	0	0	0	0	0	0
OTHER	0	0	0	0	0	73571	106306	121761	136349	145263
*** TOTAL (S)	0	0	0	0	0	73571	106306	121761	136349	145263
*** TOTAL	0	0	0	0	26257	99828	152024	171616	186204	195318
<p><INTEREST></p>										
LONG TERM										
LONG-1	0	367	1041	1170	6300	6300	6300	6300	6300	6300
LONG-2	0	0	7638	7500	7500	7500	7500	6882	6300	5618
LONG-3	0	0	0	797	9397	9397	9397	8256	6913	5571
LONG-4	0	0	0	0	15905	15754	12603	9452	6302	3151
*** TOTAL (L)	0	367	7377	21617	42102	38951	35800	30990	25816	20640
SHORT TERM										
INT.WORK.CAP.	0	0	0	0	0	0	0	0	0	0
OTHER	0	0	0	0	0	8529	12757	14611	16362	17432
*** TOTAL (S)	0	0	0	0	0	8529	12757	14611	16362	17432
*** TOTAL	0	367	7378	21618	42102	47780	48557	45601	42177	38072
<p><BALANCE></p>										
LONG TERM										
LONG-1	10485	58035	176205	180000	180000	180000	180000	180000	180000	180000
LONG-2	0	51945	76000	75000	75000	75000	68821	63003	56185	49367
LONG-3	0	0	98840	117460	117460	117460	103197	86417	69631	52857
LONG-4	0	0	0	157534	131283	105626	78770	52113	26257	0
*** TOTAL (L)	10485	105000	351135	503743	477486	431788	381933	332079	282224	237170
SHORT TERM										
INT.WORK.CAP.	0	0	0	0	0	0	0	0	0	0
OTHER	0	0	0	0	0	73571	106306	121761	136349	145263
*** TOTAL (S)	0	0	0	0	0	73571	106306	121761	136349	145263
*** TOTAL	10485	105000	351135	503743	477486	583792	583792	518282	477342	425394

Table 11-36

CASH - FLOW PROJECTION (E-CALA-NO-TARIFF)

UNIT : 1,000 DOLLARS

TAX(%) : 39.7% DIVIDEND(%) : 85.00

**** PERIOD ****

<CASH INFLOW>

	-4	-3	-2	-1	1	2	3	4	5	6
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
FINANCIAL RESOURCES TOTAL	18180	126187	417196	192632	68552	89288	91326	90907	83120	62366
SALES REVENUE	0	0	0	0	134717	296510	336900	338518	338518	338518
* TOTAL CASH INFLOW	18180	126187	417196	192632	203269	385798	428226	429425	421638	400884

<CASH OUTFLOW>

CONSTRUCTION COSTS	18180	125820	409818	142360	0	0	0	0	3860	0
OPERATING COSTS	0	0	0	26069	138048	244362	247235	246762	240719	237679
INTEREST LONG-TERM	0	367	7377	21657	41854	38745	35635	30867	25733	20599
SHORT-TERM	0	0	0	0	0	8226	10715	10959	10909	9974
REPAYMENT LONG-TERM	0	0	0	0	25913	25913	45354	49511	49511	49511
SHORT-TERM	0	0	0	0	0	68552	89288	91326	90907	83120
DIVIDENDS	0	0	0	0	0	0	0	0	0	0
TAX	0	0	0	0	0	0	0	0	0	0
* TOTAL CASH OUTFLOW	18180	126187	417195	190086	205815	385798	428227	429425	421639	400883

SURPLUS / DEFICIT

	0	0	1	2546	-2546	0	-1	0	-1	1
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CUMULATIVE CASH BALANCE

	0	0	0	2547	1	1	0	0	-1	0
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 CASH - FLOW PROJECTION (ESCALA=NO-TARIFF)

 UNIT : 1,000DOLLARS

	7	8	9	10	11	12	13	14	15	16
PERIOD	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)
TAX(%) : 39.70										
DIVIDEND(%) : 85.00										
<CASH INFLOW>										
FINANCIAL RESOURCES TOTAL	26971	151	0	0	0	0	0	0	0	0
SALES REVENUE	338518	338518	338518	338518	338518	338518	338518	338518	338518	338518
* TOTAL CASH INFLOW	365489	338669	338518	338518	338518	338518	338518	338518	338518	338518
<CASH OUTFLOW>										
CONSTRUCTION COSTS	0	0	0	3860	0	0	0	0	3860	0
OPERATING CO.-I.	231544	231544	231544	231544	231544	231544	231544	231544	231544	231544
INTEREST LONG-TERM	15465	13441	11395	9291	8098	7102	6105	5108	4629	4314
SHORT-TERM	7484	3236	18	0	0	0	0	0	0	0
REPAYMENT LONG-TERM	23598	24122	26000	18150	15818	15818	15818	10640	9000	9000
SHORT-TERM	62366	26971	151	0	0	0	0	0	0	0
DIVIDENDS	25032	36778	42109	46580	48388	58601	59448	60296	61143	61550
TAX	0	2577	2950	3263	3390	4106	4165	4224	4284	4312
* TOTAL CASH OUTFLOW	365489	338669	314171	312688	307238	317171	317080	311812	314460	310720
SURPLUS / DEFICIT	0	0	24347	25830	31280	21347	21438	26706	24058	27798
CUMULATIVE CASH BALANCE	0	0	24347	50177	81457	102604	124242	150948	175006	202804

 B A L A N C E S H E E T (ESCALA:NO-TARIFF)

UNIT : 1,000DOLLARS

TAX(%) : 39.70 DIVIDEND(%) : 85.00

**** PERIOD ****

<<LIABILITIES & EQUITY>>

	-4	-3	-2	-1	1	2	3	4	5	6
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
	18180	144367	561503	754195	702696	661487	611547	561684	514919	474105

<<LIABILITIES>>

	10485	105000	351135	527936	570575	565399	522082	472152	414855	369622
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<<CURRENT LIABILITIES>>

	0	0	0	0	68552	89288	91326	90907	83120	87398
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ACCOUNTS PAYABLE

SHORT-TERM LOAN

<<FIXED LIABILITIES>>

	10485	105000	351135	527936	502023	476111	430756	381245	331735	282224
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LONG-TERM LOAN

<<EQUITY>>

	7695	39367	210428	226259	132120	96086	89464	89532	100065	104483
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CAPITAL

ACCUMULATED RETAINED PROFIT

	7695	39367	210428	226259	226259	226259	226259	226259	226259	226259
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	0	0	0	0	-94139	-130171	-136795	-136727	-126194	-121776
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 B A L A N C E S H E E T (ESCALA:NO-TARIFF) *****

UNIT : 1,000DOLLARS

TAX(%) : 39.70 DIVIDEND(%) : 85.00

***** PERIOD *****	17	18
	(21)	(22)
<<LIABILITIES & EQUITY>>	339896	362769
<<LIABILITIES>>	171695	185676
<CURRENT LIABILITIES>	66436	89417
ACCOUNTS PAYABLE	66436	89417
SHORT-TERM LOAN	0	0
<FIXED LIABILITIES>	105259	96259
LONG-TERM LOAN	105259	96259
<<EQUITY>>	168202	177094
CAPITAL	228259	226259
ACCUMULATED RETAINED PROFIT	-58057	-49165

Table 11-38 ***** LOAN REPAYMENT SCHEDULE (CASE NO. TARIEE) ***** UNIT : 1.0000

INTEREST(S) LONG-1 : 3.50 LONG-2 : 10.00 LONG-3 : 8.00 LONG-4 : 12.00 SHORT : 12.00

**** PERIOD ****

	1	2	3	4	5	6	7	8	9	10
	(-4)	(-3)	(-2)	(-1)	(.1)	(.2)	(.3)	(.4)	(.5)	(.6)
<BORROWING>										
LONG TERM										
LONG-1	10485	37550	128260	3785	0	0	0	0	0	0
LONG-2	0	56985	18025	0	0	0	0	0	0	0
LONG-3	0	0	95840	17620	0	0	0	0	0	0
LONG-4	0	0	0	155476	0	0	0	0	0	0
*** TOTAL (L) ***	10485	94535	246125	176801	0	0	0	0	0	0
SHORT TERM										
INT.WORK.CAP.	0	0	0	0	0	89288	91326	90907	83120	62366
OTHER	0	0	0	0	68552	89288	91326	90907	83120	62366
*** TOTAL (S) ***	0	0	0	0	68552	89288	91326	90907	83120	62366
*** TOTAL ***	10485	94535	246125	176801	68552	89288	91326	90907	83120	62366

<REPAYMENT>

	1	2	3	4	5	6	7	8	9	10
	(-4)	(-3)	(-2)	(-1)	(.1)	(.2)	(.3)	(.4)	(.5)	(.6)
LONG TERM										
LONG-1	0	0	0	0	0	0	0	0	0	0
LONG-2	0	0	0	0	0	0	5179	6818	6818	6818
LONG-3	0	0	0	0	0	0	14263	16780	16780	16780
LONG-4	0	0	0	0	25913	25913	25913	25913	25913	25913
*** TOTAL (L) ***	0	0	0	0	25913	25913	45354	49511	49511	49511
SHORT TERM										
INT.WORK.CAP.	0	0	0	0	0	0	0	0	0	0
OTHER	0	0	0	0	0	68552	89288	91326	90907	83120
*** TOTAL (S) ***	0	0	0	0	0	68552	89288	91326	90907	83120
*** TOTAL ***	0	0	0	0	25913	94465	134642	140837	140418	132631

<INTEREST>

	1	2	3	4	5	6	7	8	9	10
	(-4)	(-3)	(-2)	(-1)	(.1)	(.2)	(.3)	(.4)	(.5)	(.6)
LONG TERM										
LONG-1	0	367	1681	6170	6300	6300	6300	6300	6300	6300
LONG-2	0	0	696	7510	7500	7500	7500	6982	6300	5618
LONG-3	0	0	0	7987	9907	9307	9397	8256	6913	5971
LONG-4	0	0	0	0	18657	15548	12438	9329	6219	3110
*** TOTAL (L) ***	0	367	7377	21657	41854	38745	35635	30867	25733	20599
SHORT TERM										
INT.WORK.CAP.	0	0	0	0	0	0	0	0	0	0
OTHER	0	0	0	0	0	8226	10715	10959	10909	9974
*** TOTAL (S) ***	0	0	0	0	0	8226	10715	10959	10909	9974
*** TOTAL ***	0	367	7378	21658	41854	46970	46350	41825	36642	30573

<BALANCE>

	1	2	3	4	5	6	7	8	9	10
	(-4)	(-3)	(-2)	(-1)	(.1)	(.2)	(.3)	(.4)	(.5)	(.6)
LONG TERM										
LONG-1	10485	68035	176295	181000	180000	180000	180000	180000	180000	180000
LONG-2	0	56985	75000	75000	75000	75000	69821	63003	56185	49867
LONG-3	0	0	9840	117460	117460	103197	86517	69637	52857	42867
LONG-4	0	0	0	155476	129563	103651	77738	51825	25913	0
*** TOTAL (L) ***	10485	105000	351125	527526	502023	476111	430756	381245	331735	282224
SHORT TERM										
INT.WORK.CAP.	0	0	0	0	0	0	0	0	0	0
OTHER	0	0	0	0	68552	92288	91326	90907	83120	62366
*** TOTAL (S) ***	0	0	0	0	68552	92288	91326	90907	83120	62366
*** TOTAL ***	10485	105000	351125	527936	570575	569399	522082	472153	414855	344590

INITIAL 1.00001

LOAN REPAYMENT SCHEDULE (CASE:ND YARJEF)

INTEREST PERIOD LONG-1 : 3.50 LONG-2 : 10.00 LONG-3 : 6.00 LONG-4 : 12.00 SHORT : 12.00

*** PERIOD *** 21 22
(17) (18)

<BORROWING>

LONG TERM

LONG-1 0 0

LONG-2 0 0

LONG-3 0 0

LONG-4 0 0

*** TOTAL (L) 0 0

SHORT TERM

INT.WORK.CAP. 0 0

OTHER 0 0

*** TOTAL (S) 0 0

*** TOTAL 0 0

<REPAYMENT>

LONG TERM

LONG-1 9000 9000

LONG-2 0 0

LONG-3 0 0

LONG-4 0 0

*** TOTAL (L) 9000 9000

SHORT TERM

INT.WORK.CAP. 0 0

OTHER 0 0

*** TOTAL (S) 0 0

*** TOTAL 9000 9000

<INTEREST>

LONG TERM

LONG-1 29% 3684

LONG-2 0 0

LONG-3 0 0

LONG-4 0 0

*** TOTAL (L) 29% 3684

SHORT TERM

INT.WORK.CAP. 0 0

OTHER 0 0

*** TOTAL (S) 0 0

*** TOTAL 29% 3684

<BALANCE>

LONG TERM

LONG-1 105259 96259

LONG-2 0 0

LONG-3 0 0

LONG-4 0 0

*** TOTAL (L) 105259 96259

SHORT TERM

INT.WORK.CAP. 0 0

OTHER 0 0

*** TOTAL (S) 0 0

*** TOTAL 105259 96259

Table 11-39

PROFIT AND LOSS STATEMENT (JICA RECOMM:BASE)

UNIT : 1,000DOLLARS

TAX(%) : 39.70 DIVIDEND(%) : 85.00

PERIOD	1	2	3	4	5	6
<SALES>	(1)	(2)	(3)	(4)	(5)	(6)
QUANTITY (1000TON)	0.00	0.00	0.00	0.00	723.33	723.33
AVERAGE UNIT SALES PRICE	0.000	0.000	0.000	0.000	0.350	0.350
REVENUE	0	0	0	0	253165	253165
<COST OF PRODUCTS SOLD>	0	0	0	0	142973	141985
** GROSS PROFIT	0	0	0	0	110192	111180
<SELLING & ADMINIST. EXP.>	0	0	0	0	0	0
SELLING EXPENSES	0	0	0	0	0	0
GENERAL & ADMINIST. EXP.	0	0	0	0	11875	7778
<DEPRECIATION>	0	0	0	0	32613	32613
** OPERATING PROFIT	0	0	0	0	64228	72316
<NON-OPERATING EXPENSES>	0	0	0	0	0	0
INTEREST LONG-TERM	0	0	0	0	28440	21253
SHORT-TERM	0	0	0	0	1516	0
AMORT. OF PRE-PROD. EXP.	0	0	0	0	7943	7943
OTHERS	0	0	0	0	0	0
** PROFIT BEFORE TAX	0	0	0	0	26329	54854
<DIVIDEND>	0	0	0	0	0	46626
<TAX>	0	0	0	0	0	3267
** NET PROFIT AFTER TAX	0	0	0	0	26329	51588
** RETAINED PROFIT	0	0	0	0	26329	4962
ACCUMULATED RETAINED PROFIT	0	0	0	0	-2544	43041

Table 11-40

 ***** CASH - FLOW PROJECTION (JICA RECORD:BASE) *****

 ***** UNIT : 1,000DOLLARS *****

TAX(%) : 39.70 DIVIDEND(%) : 85.00

PERIOD	1	2	3	4	5	6
	(5)	(6)	(7)	(8)	(9)	(10)
FINANCIAL RESOURCES TOTAL	2877	12632	0	0	0	0
SALES REVENUE	100711	221553	251773	253165	253165	253165
* TOTAL CASH INFLOW	129588	234185	251773	253165	253165	253165

CONSTRUCTION COSTS	OPERATING COSTS	INTEREST LONG-TERM	SHORT-TERM	REPAYMENT LONG-TERM	SHORT-TERM	DIVIDENDS	TAX	* TOTAL CASH OUTFLOW
16864	0	0	0	0	0	0	0	16864
107559	0	343	0	0	0	0	0	107902
328191	6355	0	0	0	0	0	0	334546
96175	18251	19170	0	0	0	0	0	133596
0	88945	32488	0	0	0	0	0	138298
0	154512	30464	0	0	0	0	0	234183
0	155326	28440	1516	32928	12632	0	0	230842
0	154969	25043	0	37246	0	0	0	217258
0	150735	21253	0	37246	0	0	0	213094
0	3860	0	0	0	0	0	0	202884
0	148176	17462	0	37246	0	0	0	202884

SURPLUS / DEFICIT	CUMULATIVE CASH BALANCE
0	0
8710	8711
-8710	0
20931	20934
35907	56841
40071	96912
50281	147193

Table 11-41

 B A L A N C E S H E E T (JICA RECOMM:BASE)

UNIT : 1,000DOLLARS

TAX(%) : 39.70 DIVIDEND(%) : 85.00

	4	3	2	1	2	3	4	5	6
<<ASSETS>>	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
16864	124766	459313	601619	593018	518525	499294	405175	498552	516161
<CURRENT ASSETS>	0	0	1	26962	18917	24980	46305	82742	122815
CASH	0	0	1	8711	1	3	20934	56841	96912
ACCOUNTS RECEIVABLE	0	0	0	0	0	0	0	0	0
INVENTORY	0	0	0	18251	18916	24977	25371	25901	25903
RAW MATERIAL	0	0	0	18251	13554	15405	15183	15750	15750
SEMI-PRODUCTS	0	0	0	0	2249	3938	4213	4195	4197
PRODUCTS	0	0	0	0	3113	5634	5975	5956	5956
<FIXED ASSETS>	16864	124766	459312	574657	534101	493545	452989	412433	375737
LAND	0	0	0	0	0	0	0	0	0
NET BUILDINGS & EQUIPMENTS	16094	122717	449049	534940	502327	469714	437101	404488	375735
BUILDINGS & EQUIPMENTS	16094	122717	449049	534940	534940	534940	534940	534940	538800
ACCUMULATED DEPRECIATION	0	0	0	0	32613	65226	97839	130452	163065
NET PRE-PRODUCTION EXPENSES	770	2049	10263	39717	31774	23831	15888	7945	2
PRE-PRODUCTION EXPENSES	770	2049	10263	39717	39717	39717	39717	39717	39717
ACCUMULATED AMORTIZATION	0	0	0	0	7943	15886	23829	31772	39715

Table 11-42

LOAN REPAYMENT SCHEDULE (JTCA RECOMM-BASE)

UNIT : 1,000DL

INTEREST (%)	LONG-1	3-50	LONG-2	10.00	LONG-3	8.00	LONG-4	12.00	SHORT	12.00	7	8	9	10
PERIOD	(-4)	(-3)	(-2)	(-1)	(-1)	(-1)	(-1)	(-1)	(-2)	(-2)	(-3)	(-4)	(-5)	(-6)
<BORROWING>														
LONG TERM	9800	32800	104570	2830	0	0	0	0	0	0	0	0	0	0
LONG-1	0	48645	26355	0	0	0	0	0	0	0	0	0	0	0
LONG-2	0	0	81486	13455	0	0	0	0	0	0	0	0	0	0
LONG-3	0	0	0	101192	0	0	0	0	0	0	0	0	0	0
LONG-4	0	0	0	0	117477	0	0	0	0	0	0	0	0	0
*** TOTAL (L)	9800	81445	212411	117477	0	0	0	0	0	0	0	0	0	0
SHORT TERM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
INT.WORK.CAP.	0	0	0	0	28877	12632	0	0	0	0	0	0	0	0
OTHER	0	0	0	0	28877	12632	0	0	0	0	0	0	0	0
*** TOTAL (S)	0	0	0	0	28877	12632	0	0	0	0	0	0	0	0
*** TOTAL	9800	81445	212411	117477	28877	12632	0	0	0	0	0	0	0	0
<REPAYMENT>														
LONG TERM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LONG-1	0	0	0	0	0	0	0	0	0	0	4422	6818	6818	6818
LONG-2	0	0	0	0	0	0	0	0	0	0	11641	13563	13563	13563
LONG-3	0	0	0	0	0	0	0	0	0	0	16865	16865	16865	16865
LONG-4	0	0	0	0	0	0	0	0	0	0	32928	37246	37246	37246
*** TOTAL (L)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SHORT TERM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
INT.WORK.CAP.	0	0	0	0	0	0	0	0	28877	12632	0	0	0	0
OTHER	0	0	0	0	0	0	0	0	28877	12632	0	0	0	0
*** TOTAL (S)	0	0	0	0	0	0	0	0	28877	12632	0	0	0	0
*** TOTAL	0	0	0	0	0	0	0	0	45742	45560	37246	37246	37246	37246
<INTEREST>														
LONG TERM	0	343	1491	5151	5250	5250	5250	5250	5250	5250	5250	5250	5250	5250
LONG-1	0	0	4864	7500	7500	7500	7500	7500	7500	7500	7500	7500	7500	7500
LONG-2	0	0	0	6519	7595	7595	7595	7595	7595	7595	7595	7595	7595	7595
LONG-3	0	0	0	0	12143	10119	10119	10119	10119	10119	10119	10119	10119	10119
LONG-4	0	0	0	0	32488	30464	30464	30464	30464	30464	30464	30464	30464	30464
*** TOTAL (L)	0	343	6355	19170	32488	30464	30464	30464	30464	30464	28440	25043	21253	17462
SHORT TERM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
INT.WORK.CAP.	0	0	0	0	0	0	0	0	3465	1516	0	0	0	0
OTHER	0	0	0	0	0	0	0	0	3465	1516	0	0	0	0
*** TOTAL (S)	0	0	0	0	0	0	0	0	3465	1516	0	0	0	0
*** TOTAL	0	343	6355	19170	32488	30464	30464	30464	33929	29956	25043	21253	17462	17462
<BALANCE>														
LONG TERM	9800	42600	147170	150000	150000	150000	150000	150000	150000	150000	150000	150000	150000	150000
LONG-1	0	48645	75000	75000	75000	75000	75000	75000	75000	75000	75000	75000	75000	75000
LONG-2	0	0	81486	94941	94941	94941	94941	94941	94941	94941	94941	94941	94941	94941
LONG-3	0	0	0	101192	84327	67461	67461	67461	67461	67461	67461	67461	67461	67461
LONG-4	0	0	0	0	404268	387402	354474	317228	279980	242734	21253	17462	14622	11677
*** TOTAL (L)	9800	91245	303656	421133	404268	387402	354474	317228	279980	242734	21253	17462	14622	11677
SHORT TERM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
INT.WORK.CAP.	0	0	0	0	0	0	0	0	12632	0	0	0	0	0
OTHER	0	0	0	0	0	0	0	0	12632	0	0	0	0	0
*** TOTAL (S)	0	0	0	0	0	0	0	0	12632	0	0	0	0	0
*** TOTAL	9800	91245	303656	421133	404268	387402	354474	317228	279980	242734	21253	17462	14622	11677

UNIT : 1,000DL

LOAN REPAYMENT SCHEDULE (JICA RECOMM#BASE)

INTEREST PERIOD	LONG-1	LONG-2	LONG-3	LONG-4	LONG-5	LONG-6	LONG-7	LONG-8	LONG-9	LONG-10	LONG-11	LONG-12	LONG-13	LONG-14	LONG-15	LONG-16	LONG-17	LONG-18	LONG-19	LONG-20	
*** PERIOD ***	(7)	(8)	(9)	(9)	(10)	(11)	(11)	(12)	(12)	(13)	(13)	(14)	(14)	(15)	(15)	(16)	(16)	(17)	(17)	(18)	(18)
<BORROWING>																					
LONG TERM																					
LONG-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LONG-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LONG-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LONG-4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
*** TOTAL (L) ***	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SHORT TERM																					
INT.WORK.CAP.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OTHER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
*** TOTAL (S) ***	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

<REPAYMENT>	LONG TERM	LONG-1	LONG-2	LONG-3	LONG-4	LONG-5	LONG-6	LONG-7	LONG-8	LONG-9	LONG-10	LONG-11	LONG-12	LONG-13	LONG-14	LONG-15	LONG-16	LONG-17	LONG-18	LONG-19	LONG-20
LONG TERM	0	490	2130	7359	7500	7500	7500	7500	7500	7500	7500	7500	7500	7500	7500	7500	7500	7500	7500	7500	7500
LONG-1	6818	6818	6818	6818	6818	6818	6818	6818	6818	6818	6818	6818	6818	6818	6818	6818	6818	6818	6818	6818	6818
LONG-2	13563	13563	13563	1922	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LONG-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LONG-4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
*** TOTAL (L) ***	20381	20871	22511	16099	14318	14318	14318	14318	14318	14318	14318	14318	14318	14318	14318	14318	14318	14318	14318	14318	14318
SHORT TERM																					
INT.WORK.CAP.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OTHER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
*** TOTAL (S) ***	20381	20871	22511	16099	14318	14318	14318	14318	14318	14318	14318	14318	14318	14318	14318	14318	14318	14318	14318	14318	14318

<INTEREST>	LONG TERM	LONG-1	LONG-2	LONG-3	LONG-4	LONG-5	LONG-6	LONG-7	LONG-8	LONG-9	LONG-10	LONG-11	LONG-12	LONG-13	LONG-14	LONG-15	LONG-16	LONG-17	LONG-18	LONG-19	LONG-20
LONG TERM	5230	5230	5230	5158	4901	4638	4376	4113	3851	3588	3325	3062	2800	2537	2275	2012	1750	1487	1225	962	699
LONG-1	5012	4330	3649	2967	2285	1603	921	240	0	0	0	0	0	0	0	0	0	0	0	0	0
LONG-2	3409	2324	1239	154	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LONG-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LONG-4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
*** TOTAL (L) ***	13671	11904	10120	8279	7186	6241	5297	4353	3851	3588	3325	3062	2800	2537	2275	2012	1750	1487	1225	962	699
SHORT TERM																					
INT.WORK.CAP.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OTHER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
*** TOTAL (S) ***	13671	11904	10120	8279	7186	6241	5297	4353	3851	3588	3325	3062	2800	2537	2275	2012	1750	1487	1225	962	699

<BALANCE>	LONG TERM	LONG-1	LONG-2	LONG-3	LONG-4	LONG-5	LONG-6	LONG-7	LONG-8	LONG-9	LONG-10	LONG-11	LONG-12	LONG-13	LONG-14	LONG-15	LONG-16	LONG-17	LONG-18	LONG-19	LONG-20	
LONG TERM	150000	149510	147380	140022	132522	125022	117522	110022	102522	95022	87522	80022	72522	65022	57522	50022	42522	35022	27522	20022	12522	5022
LONG-1	4305	36687	29669	22850	16032	9214	2396	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
LONG-2	29048	15485	1922	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
LONG-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
LONG-4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
*** TOTAL (L) ***	222353	201482	178971	162872	148554	134236	119918	110022	102522	95022	87522	80022	72522	65022	57522	50022	42522	35022	27522	20022	12522	
SHORT TERM																						
INT.WORK.CAP.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
OTHER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
*** TOTAL (S) ***	222353	201482	178971	162872	148554	134236	119918	110022	102522	95022	87522	80022	72522	65022	57522	50022	42522	35022	27522	20022	12522	

Table 11-43

PROFIT AND LOSS STATEMENT (JICA RECOMM:ESCAL)

UNIT : 1,000DOLLARS

TAX(%) : 39.70 DIVIDEND(%) : 85.00

PERIOD *****

1 2 3 4 5 6

(1) (2) (3) (4) (5) (6) (7) (8) (9) (10)

<SALES>

QUANTITY (1000TON)	0.00	0.00	0.00	0.00	326.98	663.33	721.41	723.33	723.33	723.33	723.33
AVERAGE UNIT SALES PRICE	0.000	0.000	0.000	0.000	0.412	0.447	0.467	0.468	0.468	0.468	0.468
REVENUE	0	0	0	0	134717	296510	336900	338518	338518	338518	338518
<COST OF PRODUCTS SOLD>	0	0	0	0	102033	189485	204402	204301	204275	202905	202905
** GROSS PROFIT	0	0	0	0	32684	107025	132498	134217	134243	135613	135613

<SELLING & ADMINIST. EXP.>

SELLING EXPENSES	0	0	0	0	0	0	0	0	0	0	0
GENERAL & ADMINIST. EXP.	0	0	0	0	23661	22347	16796	16212	10954	9347	9347
<DEPRECIATION>	0	0	0	0	40968	40968	40968	40968	40968	40757	40757
** OPERATING PROFIT	0	0	0	0	-31945	43710	74734	77037	82321	85509	85509

<NON-OPERATING EXPENSES>

INTEREST LONG-TERM	0	0	0	0	41854	38745	35635	30867	25733	20599	20599
SHORT-TERM	0	0	0	0	0	6855	6318	2979	0	0	0
AMORT. OF PRE-PROD. EXP.	0	0	0	0	9659	9659	9659	9659	9659	0	0
OTHERS	0	0	0	0	0	0	0	0	0	0	0

** PROFIT BEFORE TAX

PROFIT BEFORE TAX	0	0	0	0	-83458	-11549	23122	33532	46929	64910	64910
<DIVIDEND>	0	0	0	0	0	0	0	0	0	55174	55174
<TAX>	0	0	0	0	0	0	0	0	0	3865	3865

** NET PROFIT AFTER TAX

NET PROFIT AFTER TAX	0	0	0	0	-83458	-11548	23122	33532	46929	61045	61045
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** RETAINED PROFIT

RETAINED PROFIT	0	0	0	0	-83458	-11548	23122	33532	46929	5871	5871
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ACCUMULATED RETAINED PROFIT

ACCUMULATED RETAINED PROFIT	0	0	0	0	-83458	-95006	-71884	-58352	8577	14448	14448
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 ***** PROFIT AND LOSS STATEMENT (JICA RECOMM:ESCAL) *****

UNIT : 1,000DOLLARS

TAX(%) : 39.70 DIVIDEND(%) : 85.00

***** PERIOD *****	17	18
<SALES>	(21)	(22)
QUANTITY (1000TON)	723.33	723.33
AVERAGE UNIT SALES PRICE	0.468	0.468
REVENUE	338518	338518
<COST OF PRODUCTS SOLD>	202845	202845
** GROSS PROFIT	135673	135673
<SELLING & ADMINIST. EXP.>	0	0
SELLING EXPENSES		
GENERAL & ADMINIST. EXP.	3212	3212
<DEPRECIATION>	29933	4981
** OPERATING PROFIT	102528	127480
<NON-OPERATING EXPENSES>		
INTEREST LONG-TERM	3999	3684
SHORT-TERM	0	0
AMORT. OF PRE-PROD. EXP.	0	0
OTHERS	0	0
** PROFIT BEFORE TAX	98529	123796
<DIVIDEND>	83750	105226
<TAX>	5867	7372
** NET PROFIT AFTER TAX	92662	116423
** RETAINED PROFIT	8912	11197
ACCUMULATED RETAINED PROFIT	104497	115694

Table 11-44

 ***** CASH FLOW PROJECTION (JICA RECOMMESCAL) *****

UNIT : 1,000DOLLARS

TAX(%) : 39.70 DIVIDEND(%) : 85.00

***** PERIOD *****	-4	-3	-2	-1	1	2	3	4	5	6
<CASH INFLOW>	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
FINANCIAL RESOURCES TOTAL	18180	126187	417196	192632	57127	52647	24827	0	0	0
SALES REVENUE	0	0	0	0	134717	296510	336900	338518	338518	338518
* TOTAL CASH INFLOW	18180	126187	417196	192632	191844	349157	361727	338518	336518	338518

<CASH OUTFLOW>

CONSTRUCTION COSTS	18180	125820	409818	142360	0	0	0	0	3860	0
OPERATING COSTS	0	0	0	26069	126623	220517	221774	221273	215232	212192
INTEREST LONG-TERM	0	367	7377	21657	41854	38745	35635	30867	25733	20599
SHORT-TERM	0	0	0	0	0	6855	6318	2979	0	0
REPAYMENT LONG-TERM	0	0	0	0	25913	25913	45354	49511	49511	49511
SHORT-TERM	0	0	0	0	0	57127	52647	24827	0	0
DIVIDENDS	0	0	0	0	0	0	0	0	0	0
TAX	0	0	0	0	0	0	0	0	0	0
* TOTAL CASH OUTFLOW	18180	126187	417195	190086	194390	349157	361728	329457	294336	282302

SURPLUS / DEFICIT

SURPLUS / DEFICIT	0	0	1	2546	-2546	0	-1	9061	44182	56216
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CUMULATIVE CASH BALANCE

CUMULATIVE CASH BALANCE	0	0	1	2547	1	1	0	9061	53243	109459
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 CASH FLOW PROJECTION (JTCA RECOMM:ESCAL)

UNIT : 1,000DOLLARS

TAX(%) : 39.70 DIVIDEND(%) : 85.00

PERIOD	7	8	9	10	11	12	13	14	15	16
<CASH INFLOW>	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)
FINANCIAL RESOURCES TOTAL	0	0	0	0	0	0	0	0	0	0
SALES REVENUE	338518	338518	338518	348518	338518	338518	338518	338518	338518	338518
* TOTAL CASH INFLOW	338518	338518	338518	338518	338518	338518	338518	338518	338518	338518

<CASH OUTFLOW>

CONSTRUCTION COSTS	0	0	0	3860	0	0	0	0	3860	0
OPERATING COSTS	206057	206057	206057	206057	206057	206057	206057	206057	206057	206057
INTEREST LONG-TERM	15465	13441	11399	9291	8098	7102	6105	5108	4629	4314
SHORT-TERM	0	0	0	0	0	0	0	0	0	0
REPAYMENT LONG-TERM	23598	24122	26000	18150	15618	15618	15818	10640	9000	9000
SHORT-TERM	0	0	0	0	0	0	0	0	0	0
DIVIDENDS	55174	64803	66523	68260	70032	80265	81112	81960	82807	83214
TAX	3865	4540	4661	4782	4908	5623	5683	5742	5801	5830
* TOTAL CASH OUTFLOW	304159	312963	314640	310400	304933	314865	314775	309507	312154	308415

SURPLUS / DEFICIT	34359	29555	23878	28118	33585	23653	23743	29011	26364	30103
CUMULATIVE CASH BALANCE	143818	169373	193251	221369	254954	278607	302350	331361	357725	387828

 B A L A N C E S H E E T (JICA RECOMM:ESCAL)

UNIT : 1,000DOLLARS

TAX(%) : 39.70 DIVIDEND(%) : 85.00

PERIOD	7	8	9	10	11	12	13	14	15	16
	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)
<<LIABILITIES & EQUITY>>	575573	560371	563492	536713	538365	532085	525895	524973	525264	525434
<<LIABILITIES>>	327969	305688	281545	265313	260423	245512	230601	220867	212303	203590
<CURRENT LIABILITIES>	69343	71184	73042	74960	85888	86795	87702	88608	89044	89331
ACCOUNTS PAYABLE	69343	71184	73042	74960	85888	86795	87702	88608	89044	89331
SHORT-TERM LOAN	0	0	0	0	0	0	0	0	0	0
<FIXED LIABILITIES>	258626	234504	208503	190353	174535	158717	142899	132259	123259	114259
LONG-TERM LOAN	258626	234504	208503	190353	174535	158717	142899	132259	123259	114259
<<EQUITY>>	247603	254682	261946	269400	277941	286573	295294	304106	312961	321844
CAPITAL	226259	226259	226259	226259	226259	226259	226259	226259	226259	226259
ACCUMULATED RETAINED PROFIT	21344	28423	35687	43141	51682	60314	69035	77847	86702	95585

UNIT : 1,000DL

LOAN REPAYMENT SCHEDULE (JICA RECOMM=ESCAL.)

INTEREST(S) LONG-1 : 3.50 LONG-2 : 10.00 LONG-3 : 8.00 LONG-4 : 12.00 SHORT : 12.00
*** PERIOD ***
(17) 21 22 (18)

<BORROWING>

LONG TERM
LONG-1 0 0
LONG-2 0 0
LONG-3 0 0
LONG-4 0 0
*** TOTAL (L) 0 0
SHORT TERM
INT.WORK.CAP. 0 0
OTHER 0 0
*** TOTAL (S) 0 0

<REPAYMENT>

LONG TERM
LONG-1 9000 9000
LONG-2 0 0
LONG-3 0 0
LONG-4 0 0
*** TOTAL (L) 9000 9000
SHORT TERM
INT.WORK.CAP. 0 0
OTHER 0 0
*** TOTAL (S) 9000 9000

<INTEREST>

LONG TERM
LONG-1 3999 3684
LONG-2 0 0
LONG-3 0 0
LONG-4 0 0
*** TOTAL (L) 3999 3684
SHORT TERM
INT.WORK.CAP. 0 0
OTHER 0 0
*** TOTAL (S) 3999 3684

<BALANCE>

LONG TERM
LONG-1 105259 96259
LONG-2 0 0
LONG-3 0 0
LONG-4 0 0
*** TOTAL (L) 105259 96259
SHORT TERM
INT.WORK.CAP. 0 0
OTHER 0 0
*** TOTAL (S) 105259 96259

Table 11-47

***** NO.1 *****
 ***** PROJECT: FL-DIKHEILA PROJECT (JICA RECOMM:BASE) (OR:YEAR) *****
 ***** COST ACCOUNTING FOR LIME CALCINING PLANT *****
 ***** *****

MATERIALS	OUT PUT	YIELD	TOTAL AMOUNT	UNIT COST	TOTAL AMOUNT	CONSUMPTION	COST PER TON
COST ELEMENT	60760.000	45.21	(1000DL)	(DL)	(1000DL)	OF PRODUCT	(DL)
			REQUIREMENT (UNIT)				
MATERIALS							
134401.120	MAJOR RAW MATERIALS		134401.120 TON	2.900	389.762	2.2120	6.415
	AUXILIARY RAW MATERIALS		0.000	0.000	0.000	0.0000	0.000
*** TOTAL			134401.120 TON	0.000	389.762	2.2120	6.415
BY-PRODUCTS							
	OTHERS		0.000	0.000	0.000	0.0000	0.000
	SCRAP		0.000	0.000	0.000	0.0000	0.000
*** TOTAL			0.000	0.000	0.000	0.0000	0.000
VARIABLE OPE. COST							
	FUELS		637900.000 M3	0.021	133.976	105.0000	2.205
	NATURAL GAS		0.000	0.000	0.000	0.0000	0.000
	OTHERS		637900.000 M3	0.000	133.976	105.0000	2.205
*** SUP TOTAL			0.000	0.000	0.000	0.0000	0.000
	INGOT MOLDS & ROLLS		3341900.000 KWH	0.025	83.545	55.0000	1.375
	POWER		60760.000 M3	0.327	19.869	1.0000	0.327
	WATER		0.000	0.000	0.000	0.0000	0.000
	OXYGEN		0.000	0.000	0.000	0.0000	0.000
	NITROGEN		0.000	0.000	0.000	0.0000	0.000
	OPERATING EXPENDABLES		0.000 US.DL	0.000	0.000	0.0000	0.000
	COMPRESSED AIR		4982320.000 M3	0.006	29.894	82.0000	0.492
	INTRAMILL TRANSPORTATION		149000.000 TON	0.732	109.068	2.4523	1.795
OTHERS			0.000	0.000	0.000	0.0000	0.000
*** TOTAL					510.023		8.396
*** VARIABLE COST					999.785		14.809
FIXED OPE. COST							
	EMPLOYEES WAGES		44.000 M/Y	2959.000	130.196	0.0007	2.143
	BENEFITS		44.000 #####	769.360	33.851	0.0007	0.557
*** SUR TOTAL					164.047		2.700
MAINTENANCE			0.000 US.DL	0.000	0.000	0.0000	0.000
SPECIAL RESERVE FOR REPAIR			0.000	0.000	0.000	0.0000	0.000
DEPRECIATION CHARGES			0.000	0.000	0.000	0.0000	0.000
TAXES AND LEVIES			0.000	0.000	0.000	0.0000	0.000
FACTORY OVERHEAD COST			44.000 #####	1047.300	46.081	0.0007	0.758
OTHERS			0.000	0.000	0.000	0.0000	0.000
*** TOTAL					408.128		6.717

FULL PRODUCTION COST

1307.913

21.526

***** NO.1 *****
 ***** PROJECT: EL-DIKHEILA PROJECT (JICA RECOMM:BASE) (08:YEAR) *****
 ***** COST ACCOUNTING FOR DIRECT REDUCTION PLANT *****

MATERIALS	OUT PUT	YIELD	TOTAL AMOUNT	UNIT COST	TOTAL AMOUNT	CONSUMPTION	PER TON	COST PER TON
COST ELEMENT	715000.000	69.54	(10000L)	(DL)	(10000L)			OF PRODUCT
								(DL)

MATERIALS	MAJOR RAW MATERIALS	1026740.000 TON	34.200	37167.971	1.4360	51.983
	AUXILIARY RAW MATERIALS	0.000	0.000	0.000	0.0000	0.000
	*** TOTAL	1026740.000 TON	0.000	37167.971	1.4360	51.983

BY-PRODUCTS	OTHERS	0.000	0.000	0.000	0.0000	0.000
	SCRAP	0.000	0.000	0.000	0.0000	0.000
	*** TOTAL	0.000	0.000	0.000	0.0000	0.000

VARIABLE OPF. COST	FUELS	NATURAL GAS	220935000.000 M3	0.021	4639.635	309.0000	6.489
	OTHERS	0.000	0.000	0.000	0.0000	0.000	0.000
	*** SUB TOTAL	220935000.000 M3	0.000	4639.635	309.0000	6.489	
	INGOT MOLDS & ROLLS	0.000	0.000	0.000	0.0000	0.000	
	POWER	96525000.000 KWH	0.025	2413.125	135.0000	3.375	
	WATER	1072500.000 M3	0.327	350.707	1.5000	0.490	
	OXYGEN	0.000	0.000	0.000	0.0000	0.000	
	NITROGEN	2216500.000 NM3	0.055	121.907	3.1000	0.170	
	OPERATING EXPENDABLES	0.000	0.000	0.000	0.0000	0.210	
	COMPRESSED AIR	0.000	0.000	0.000	0.0000	0.000	
	INTRA-MILL TRANSPORTATION	59800.000 TON	0.732	40.846	0.0780	0.057	
	OTHERS	0.000	0.000	0.000	0.0000	0.000	
	*** TOTAL		0.000	7716.371	0.0000	10.792	

*** VARIABLE COST 44884.341

FIXED OPF. COST	EMPLOYEES WAGES	56.000 M/Y	2959.000	165.704	0.0001	0.232
	BENEFITS	56.000 M/M/M	769.340	43.083	0.0001	0.060
	*** SUB TOTAL			208.787		0.292
	MAINTENANCE	0.000 US.DL	0.000	2424.000	0.0000	3.390
	SPECIAL RESERVE FOR REPAIR	0.000	0.000	0.000	0.0000	0.000
	DEPRECIATION CHARGES	0.000	0.000	0.000	0.0000	0.000
	TAXES AND LEVIES	0.000	0.000	0.000	0.0000	0.000
	FACTORY OVERHEAD COST	56.000 M/M/M	1047.300	58.649	0.0001	0.082
	OTHERS	0.000 US.DL	0.000	1430.000	0.0000	2.008
	*** TOTAL	0.000	0.000	4121.436	0.0000	0.000
		0.000	0.000		0.0000	5.764

FULL PRODUCTION COST 49005.777 68.540

 PROJECT: EL-DIKHEILA PROJECT (JICA RECOMM:BASE) (08:YEAR)
 COST ACCOUNTING FOR ELECTRIC ARC FURNACE PLANT

MATERIALS	OUT PUT	YIELD	TOTAL AMOUNT	UNIT COST	TOTAL AMOUNT	CONSUMPTION	PER TON	COST PER TON
COST ELEMENT			(1000DL)	(DL)	(1000DL)			OF PRODUCT
			REQUIREMENT (UNIT)					(DL)
943906.000	10000.000	85.81						
MAJOR RAW MATERIALS			943906.000 TON	92.020	96858.263	1.1653		107.232
AUXILIARY RAW MATERIALS			66025.000 TON	39.805	2628.132	0.0815		3.245
*** TOTAL			1009931.000 TON	-153.200	89486.395	1.2468		110.477
OTHERS			0.000	0.000	0.000	0.0000		0.000
SCRAP			8100.000 TON	0.000	0.000	0.0000		0.000
*** TOTAL			8100.000 TON	-153.200	-1240.920	0.0100		-1.532
					-1240.920	0.0100		-1.532
VARIABLE OPF. COST			1620000.000 M3	0.021	34.020	2.0000		0.062
NATURAL GAS			0.000	0.000	0.000	0.0000		0.000
OTHERS			1620000.000 M3	0.000	34.020	2.0000		0.062
*** SUB TOTAL					34.020	2.0000		0.062
INGOT MOLDS & ROLLS			0.000	0.000	0.000	0.0000		0.000
POWER			567000000.000 KWH	0.025	14175.000	700.0000		17.500
WATER			2754000.000 M3	0.327	900.558	3.4000		1.112
OXYGEN			1620000.000 NMS	0.055	89.100	2.0000		0.110
NITROGEN			0.000	0.000	0.000	0.0000		0.000
OPERATING EXPENSES					21704.760	15.0000		26.796
COMPRESSED AIR			17150000.000 M3	0.006	72.900	0.0900		0.090
INTRA-MILL TRANSPORTATION			478490.000 TON	0.732	350.247	0.5907		0.432
OTHERS			0.000	0.000	0.000	0.0000		0.000
*** TOTAL					77226.585	46.082		46.082
*** VARIABLE COST					125572.061	155.027		155.027
FIXED OPE. COST			231.000 M/Y	2959.000	683.529	0.0003		0.844
EMPLOYEES WAGES			231.000 ****	769.340	177.718	0.0003		0.219
BENEFITS					861.247	3.625		1.063
*** SUB TOTAL					2936.000	0.0000		0.000
MAINTENANCE			0.000 US-DL	0.000	0.000	0.0000		0.000
SPECIAL RESERVE FOR REPAIR			0.000	0.000	0.000	0.0000		0.000
DEPRECIATION CHARGES			0.000	0.000	0.000	0.0000		0.000
TAXES AND LEVIES			0.000	0.000	0.000	0.0000		0.000
FACTORY OVERHEAD COST			231.700 ****	1047.300	241.926	0.0003		0.299
OTHERS			0.000	0.000	0.000	0.0000		0.000
*** TOTAL					4039.173	0.0000		0.000
*** TOTAL					129611.234	160.014		160.014

 ***** NO.1 *****
 ***** PROJECT: EL-DINHILA PROJECT (JICA RECOMM:BASE) (OR:YEAR) *****
 ***** COST ACCOUNTING FOR CONTINUOUS CASTING PLANT *****

MATERIALS	OUT PUT	YIELD	TOTAL AMOUNT	UNIT COST	TOTAL AMOUNT	CONSUMPTION	COST PER TON
COST ELEMENT	769500.000	95.00	(DL)	(DL)	(10000DL)	OF PRODUCT	(DL)
MATERIALS							
MAJOR RAW MATERIALS							
AUXILIARY RAW MATERIALS							
*** TOTAL			810000.000 TON	160.014	129611.234	1.0526	168.436
			0.000	0.000	0.000	0.0000	0.000
			32011.200 TON	-153.200	-4904.116	0.0416	-6.373
			32011.200 TON		-4904.116	0.0416	-6.373
BY-PRODUCTS							
OTHERS			0.000	0.000	0.000	0.0000	0.000
SCRAP			0.000	0.000	0.000	0.0000	0.000
*** TOTAL							
VARIABLE OPE. COST							
FUELS			3078000.000 M3	0.021	64.638	4.0000	0.084
NATURAL GAS			0.000	0.000	0.000	0.0000	0.000
OTHERS			3078000.000 M3		64.638	4.0000	0.084
*** SUB TOTAL							
INGOT MOLDS & ROLLS			0.000	0.000	0.000	0.0000	0.000
POWER			15390000.000 KWH	0.025	384.750	20.0000	0.500
WATER			1000350.000 M3	0.327	327.114	1.3000	0.425
OXYGEN			1231200.000 NM3	0.055	67.716	1.6000	0.088
NITROGEN			149290.000 NM3	0.055	9.311	0.2200	0.012
OPERATING EXPENDABLES			0.000 US.DL	0.000	4770.900	0.0000	6.200
COMPRESSED AIR			19237500.000 M3	0.006	115.425	25.0000	0.150
INTRA-MILL TRANSPORTATION			8000.000 TON	0.732	5.856	0.0104	0.006
OTHERS			0.000 US.DL	0.000	1539.000	0.0000	2.000
*** TOTAL					7284.710		9.467
*** VARIABLE COST					131991.828		171.529
FIXED OPE. COST							
EMPLOYEES WAGES			227.000 MAY	2959.000	671.693	0.0003	0.873
BENEFITS			227.000 *****	769.340	174.640	0.0003	0.227
*** SUB TOTAL					846.333		1.100
MAINTENANCE			0.000 US.DL	0.000	1466.000	0.0000	1.905
SPECIAL RESERVE FOR REPAIR			0.000	0.000	0.000	0.0000	0.000
DEPRECIATION CHARGES			0.000	0.000	0.000	0.0000	0.000
TAXES AND LEVIES			0.000	0.000	0.000	0.0000	0.000
FACTORY OVERHEAD COST			227.000 *****	1047.300	237.737	0.0003	0.309
OTHERS			0.000	0.000	0.000	0.0000	0.000
			0.000	0.000	0.000	0.0000	0.000
			0.000	0.000	0.000	0.0000	0.000
*** TOTAL					2550.070		3.314

FULL PRODUCTION COST 134541.898 174.843

 ***** NO.1 *****
 ***** PROJECT: EL-DIKHEILA PROJECT (JICA RECOMM:BASE) (JOB:YEAR) *****
 ***** COST ACCOUNTING FOR ROLLING MILL PLANT *****

MATERIALS	COST ELEMENT	OUTPUT	YIELD	TOTAL AMOUNT		UNIT COST	TOTAL AMOUNT	CONSUMPTION	PER TON	COST PER TON
				REQUIREMENT (UNIT)	(DL)					
MATERIALS	MAJOR RAW MATERIALS	769500.000	94.00	769500.000 TON	174.843	134541.898	1.0638	1.0638	186.003	
	AUXILIARY RAW MATERIALS	72330.000		0.000	0.000	0.000	0.000	0.000	0.000	
	*** TOTAL			769500.000 TON	0.000	134541.898	1.0638	1.0638	186.003	
BY-PRODUCTS	OTHERS			0.000	0.000	0.000	0.000	0.000	0.000	
	SCRAP			0.000	0.000	0.000	0.000	0.000	0.000	
	*** TOTAL			38481.156 TON	-153.200	-5895.313	0.0532	0.0532	-8.150	
VARIABLE OPE. COST	FUELS			25316550.000 M3	0.021	531.548	35.0000	35.0000	0.735	
	NATURAL GAS			0.000	0.000	0.000	0.000	0.000	0.000	
	OTHERS			0.000	0.000	0.000	0.000	0.000	0.000	
	*** SUB TOTAL			25316550.000 M3	0.000	531.548	35.0000	35.0000	0.735	
	INGOT MOLDS & ROLLS			0.000 US-DL	0.000	1518.993	2.100	2.100	3.125	
	POWER			90416250.000 KWH	0.025	2260.406	125.0000	125.0000	3.125	
	WATER			940329.000 M3	0.327	307.488	1.3000	1.3000	0.425	
	OXYGEN			0.000	0.000	0.000	0.000	0.000	0.000	
	NITROGEN			0.000	0.000	0.000	0.000	0.000	0.000	
	OPERATING EXPENDABLES			0.000 US-DL	0.000	2097.657	2.9000	2.9000	2.900	
	COMPRESSED AIR			10849950.000 M3	0.006	65.100	15.0000	15.0000	0.090	
	INTRAMILL TRANSPORTATION			731000.000 TON	0.732	535.092	1.0106	1.0106	0.740	
	OTHERS			0.000	0.000	182.910	0.2253	0.2253	0.253	
	*** TOTAL			0.000	0.000	7499.293	10.368	10.368	10.368	
*** VARIABLE COST						136145.878	188.221	188.221	188.221	
FIXED OPE. COST	EMPLOYEES WAGES			397.000 M/Y	2959.000	1174.723	0.0005	0.0005	1.624	
	BENEFITS			197.000	769.340	305.429	0.0005	0.0005	0.422	
	*** SUB TOTAL			0.000 US-DL	0.000	1480.151	0.0000	0.0000	2.046	
	MAINTENANCE			0.000	0.000	4876.000	0.0000	0.0000	6.761	
	SPECIAL RESERVE FOR REPAIR			0.000	0.000	0.000	0.0000	0.0000	0.000	
	DEPRECIATION CHARGES			0.000	0.000	0.000	0.0000	0.0000	0.000	
	TAXES AND LEVIES			0.000	0.000	0.000	0.0000	0.0000	0.000	
	FACTORY OVERHEAD COST			797.000	1047.300	415.778	0.0005	0.0005	0.575	
	OTHERS			0.000 US-DL	0.000	37.500	0.0000	0.0000	0.052	
	*** TOTAL			0.000	0.000	0.000	0.0000	0.0000	0.000	
	*** TOTAL			0.000	0.000	6809.529	0.0000	0.0000	9.414	

FULL PRODUCTION COST 142955.407 197.635

***** NO. 3 *****
 ***** PROJECT: EL-DIKHEILA PROJECT (JICA RECOMM:BASE) (OP:YEAR) *****
 ***** COST ACCOUNTING FOR LIME CALCINING PLANT *****

COST ELEMENT	REQUIREMENT (UNIT)	UNIT COST	TOTAL AMOUNT	CONSUMPTION	PER TON COST PER TON OF PROJECT
INTERMEDIATE PRODUCTS	BURNT LIME	21.526	1307.913		
MAJOR RAW MATERIALS	LIME STONE	2.900	389.762	2.21200	6.415
LN-GAS	NATURAL GAS	0.021	133.976	105.00000	2.205
POWER	POWER	0.025	83.545	55.00000	1.375
WATER	MAKE UP WATER	0.327	19.869	1.00000	0.327
OPERATING EXPENDABLES	REFRATORIES	0.000	133.672	0.00000	2.200
COMPRESSED AIR	COMPRESSED AIR	0.006	29.894	82.00000	0.492
INTRA-MILL TRANSPORTATION	INT. TRANSPORT.	0.732	109.068	2.45227	1.795
WAGES	WAGES	2959.000	130.196	0.00072	2.143
BENEFITS	BENEFITS	769.740	31.851	0.00072	0.557
MAINTENANCE	MAINTENANCE	0.000	199.000	0.00000	3.259
FACTORY OVERHEAD COST	FACT. OVHD. COST	1647.300	46.081	0.00072	0.758

 NO.3
 PROJECT: EL-DIKHEILA PROJECT (JICA RECOMM:BASE) (OR:YEAR)

 COST ACCOUNTING FOR DIRECT REDUCTION PLANT

COST ELEMENT	REQUIREMENT (UNIT)	TOTAL AMOUNT	UNIT COST	TOTAL AMOUNT	CONSUMPTION	PER TON	COST PER TON OF PROJECT
INTERMEDIATE PRODUCTS	SPONGE IRON	715000.000 TON	68.540	49005.777			
MAJOR RAW MATERIALS	OXIDE PELLETS	718718.000 TON	39.380	28303.100	1.00520		39.585
	LUMP ORE	308022.000 TON	28.780	8864.870	0.43080		12.398
LN-GAS	NATURAL GAS	220935000.000 M3	0.021	4639.635	309.00000		6.489
POWER	POWER	96525000.000 KWH	0.025	2413.125	135.00000		3.375
WATER	MAKE UP WATER	1072500.000 M3	0.327	350.707	1.50000		0.490
NITROGEN	NITROGEN	2216500.000 M3	0.055	121.907	3.10000		0.170
OPERATING EXPENDABLES	OTHERS	0.000 US-DL	0.000	150.150	0.00000		0.210
INTRA-MILL TRANSPORTATION	INT. TRANSPORT.	55800.000 TON	0.732	40.846	0.07804		0.057
WAGES	WAGES	56.000 #/Y	2959.000	165.704	0.00008		0.232
BENEFITS	BENEFITS	56.000	769.340	43.083	0.00008		0.060
MAINTENANCE	MAINTENANCE	0.000 US-DL	0.000	2424.000	0.00000		3.390
FACTORY OVERHEAD COST	FACT.OVHD.COST	56.000	1047.300	58.649	0.00008		0.082
OTHER (FIXED OPE.COST)	OTHERS	0.000 US-DL	0.000	1430.000	0.00000		2.000

 NO.3 PROJECT: EL-DIKHEILA PROJECT (JICA RECOMM:BASE) (OR:YEAR)

 COST ACCOUNTING FOR ELECTRIC ARC FURNACE PLANT

COST ELEMENT	REQUIREMENT (UNIT)	UNIT COST	TOTAL AMOUNT	CONSUMPTION	PER TON COST PER TON OF PROJECT
INTERMEDIATE PRODUCTS	810000.000 TON	160.014	129811.234		
MAJOR RAW MATERIALS					
SPONGE IRON	715000.000 TON	68.540	49005.777	0.88272	60.501
SCRAP	219990.000 TON	151.700	33703.387	0.27160	41.609
FE-MN	4860.000 TON	444.200	2158.812	0.00600	2.665
FE-SI	4050.000 TON	491.430	1990.291	0.00500	2.457
AUXILIARY RAW MATERIALS					
PURNT LIME	60760.000 TON	21.526	1307.913	0.07501	1.635
FLUORITE	1620.000 TON	246.200	398.844	0.00200	0.492
AL	405.000 TON	1308.600	529.983	0.00050	0.654
COKE BRETFZ	3740.000 TON	120.800	391.392	0.00400	0.483
SCRAP	8100.000 TON	151.200	1240.920	0.01000	1.532
LN-GAS	1620000.000 M3	0.021	34.020	2.00000	0.042
POWER	567000000.000 KWH	0.025	14175.000	700.00000	17.500
WATER	2754000.000 M3	0.327	900.558	3.40000	1.112
OXYGEN	1620000.000 M3	0.055	89.100	2.00000	0.110
OPERATING EXPENUABLES					
ELECTRODE	4050.000 TON	2379.200	9635.760	0.00500	11.896
REFRACTORIES	0.000 US.DL	0.000	8929.000	0.00000	10.900
OTHERS	0.000 US.DL	0.000	3240.000	0.00000	4.000
COMPRESSED AIR	12150000.000 M3	0.006	72.900	15.00000	0.090
INTRA-MILL TRANSPORTATION	478480.000 TON	0.732	350.247	0.59072	0.432
WAGES	231.000 M/Y	2959.000	683.529	0.00029	0.844
BENEFITS	231.000	769.340	177.718	0.00029	0.219
MAINTENANCE	0.000 US.DL	0.000	2936.000	0.00000	3.625
FACTORY OVERHEAD COST	231.000	1047.300	241.926	0.00029	0.299

***** NO.3 *****
 ***** PROJECT: EL-DIKHEILA PROJECT (JTCA RECOMM:BASE) (08:YEAR) *****
 ***** COST ACCOUNTING FOR CONTINUOUS CASTING PLANT *****

COST ELEMENT	REQUIREMENT (UNIT)	UNIT COST	TOTAL AMOUNT	CONSUMPTION	PER TON COST PER TON OF PROJECT
INTERMEDIATE PRODUCTS					
BILLET	769500.000 TON	174.843	134541.898		
FINISHED PRODUCTS					
PILLET	0.000 TON	0.000	0.000		
MAJOR RAW MATERIALS					
MOLTEN STEEL	810000.000 TON	160.014	129611.234	1.05263	168.436
SCRAP	32011.200 TON	153.200	4904.116	0.04160	6.373
LN-GAS	3078000.000 M3	0.021	64.639	4.00000	0.084
POWER	15390000.000 KWH	0.025	384.750	20.00000	0.500
WATER	1000350.000 M3	0.327	327.114	1.30000	0.425
OXYGEN	1231200.000 NM3	0.055	67.716	1.60000	0.088
NITROGEN	169290.000 NM3	0.055	9.311	0.22000	0.012
OPERATING EXPENDABLES					
REFRACTORIES	0.000 US.DL	0.000	1846.800	0.00000	2.400
OTHERS	0.000 US.DL	0.000	2924.100	0.00000	3.800
COMPRESSED AIR	19237500.000 M3	0.006	115.425	25.00000	0.150
INTRA-MILL TRANSPORTATION	8000.000 TON	0.732	5.856	0.01040	0.008
OTHER (VARIABLE OPE.COST)	0.000 US.DL	0.000	1539.000	0.00000	2.000
WAGES	227.000 M/Y	2959.000	671.693	0.00029	0.873
BENEFITS	227.000	769.340	174.640	0.00029	0.227
MAINTENANCE	0.000 US.DL	0.000	1466.000	0.00000	1.905
FACTORY OVERHEAD COST	227.000	1047.300	237.737	0.00029	0.309

***** NO.3 PROJECT: EL-DIKHEILA PROJECT (JICA RECOMM:94SF) (09:YEAR) *****
 ***** COST ACCOUNTING FOR ROLLING MILL PLANT *****

COST ELEMENT	REQUIREMENT (UNIT)	UNIT COST	TOTAL AMOUNT	CONSUMPTION	PER TON COST OF PROJECT
FINISHED PRODUCTS	BAR & ROD	723330.000 TON	197.635	142955.407	
MAJOR RAW MATERIALS	PILLET	769500.000 TON	174.843	134541.898	1.06393
SCRAP	SCRAP	38481.156 TON	153.200	5895.313	0.05320
LN-GAS	NATURAL GAS	25316550.000 M3	0.021	531.648	35.00000
INGOT MOLDS & ROLLS	ROLL	0.000 US-DL	0.000	1518.993	0.00000
POWER	POWER	90416250.000 KWH	0.025	2260.406	125.00000
WATER	MAKE UP WATER	940329.000 M3	0.327	307.489	1.30000
OPERATING EXPENDABLES	OTHERS	0.000 US-DL	0.000	2097.657	0.00000
COMPRESSED AIR	COMPRESSED AIR	10849950.000 M3	0.006	65.100	15.00000
INTRA-MILL TRANSPORTATION	INT. TRANSPORT.	731000.000 TON	0.732	535.092	1.01060
OTHER (VARIABLE OPE.COST)		0.000	0.000	169.618	0.00000
		0.000	0.000	13.291	0.00000
WAGES	WAGES	397.000 M/Y	2959.000	1174.723	0.00055
BENEFITS	BENEFITS	397.000	769.340	305.628	0.00055
MAINTENANCE	MAINTENANCE	0.000 US-DL	0.000	4876.000	0.00000
FACTORY OVERHEAD COST	FACT.OVHD.COST	397.000	1047.300	415.778	0.00055
OTHER (FIXED OPE.COST)	OTHERS	0.000 US-DL	0.000	37.600	0.00000

 PROJECT: EL-DIKHILA PROJECT (JICA RECOMM:BASE) (05:YEAR)

 COST ACCOUNTING FOR CONTINUOUS CASTING PLANT

MATERIALS	OUT PUT	YIELD	REQUIREMENT (UNIT)	UNIT COST (DOL)	TOTAL AMOUNT (1000DOL)	CONSUMPTION	PER TON	COST PER TON OF PRODUCT (DOL)
374680.000	255960.000	95.00						
MATERIALS								
MAJOR RAW MATERIALS			374680.000 TON	173.139	64871.785	1.0526		182.245
AUXILIARY RAW MATERIALS			3.000	0.000	0.000	0.0000		0.000
*** TOTAL			374683.000 TON		64871.785	1.0526		182.245
BY-PRODUCTS								
OTHERS			0.000	0.000	0.000	0.0000		0.000
SCRAP			0.000	0.000	0.000	0.0000		0.000
*** TOTAL			14807.936 TON	-153.200	-2268.576	0.0416		-6.373
			14807.936 TON		-2268.576	0.0416		-6.373
VARIABLE OPE. COST								
FUELS			1423863.000 M3	0.021	29.901	4.0000		0.084
NATURAL GAS			0.000	0.000	0.000	0.0000		0.000
OTHERS			0.000	0.000	0.000	0.0000		0.000
*** SUB TOTAL			1423863.000 M3		29.901	4.0000		0.084
INGRT MOLDS & ROLLS								
POWER			7119203.000 KWH	0.000	0.000	0.0000		0.000
WATER			462768.000 M3	0.025	177.980	20.0000		0.500
OXYGEN			549575.000 M3	0.327	151.319	1.3000		0.425
NITROGEN			78311.200 M3	0.055	31.324	1.6000		0.088
OPERATING EXPENCABLES			0.000 US.DL	0.000	2206.952	0.0000		6.200
COMPRESSED AIR			8809000.000 M3	0.006	53.394	25.0000		0.150
INTRA-MILL TRANSPORTATION			3900.000 TON	1.421	5.542	0.0110		0.016
OTHERS			0.000 US.DL	0.000	711.920	0.0000		2.000
*** TOTAL					3372.639			9.475
*** VARIABLE COST					65975.848			185.346
FIXED OPE. COST								
EMPLOYEES WAGES			227.000 W/Y	2959.000	671.693	0.0006		1.887
BENEFITS			227.000 W/Y	748.340	174.640	0.0006		0.491
*** SUB TOTAL					846.333			2.378
MAINTENANCE								
SPECIAL RESERVE FOR REPAIR			0.000 US.DL	0.000	0.000	0.0000		0.000
DEPRECIATION CHARGES			0.000	0.000	0.000	0.0000		0.000
TAXES AND LEVIES			0.000	0.000	0.000	0.0000		0.000
FACTORY OVERHEAD COST			227.000 W/Y	1072.000	243.344	0.0006		0.684
OTHERS			0.000	0.000	0.000	0.0000		0.000
*** TOTAL					2555.677			7.180
FULL PRODUCTION COST								
					68531.525			192.526

***** NO.1 *****
 ***** PROJECT: EL-DIKHEILA PROJECT (JICA RECOMM:BASE) *****
 ***** COST ACCOUNTING FOR ROLLING MILL PLANT *****

MATERIALS	OUT PUT	YIELD	REQUIREMENT (UNIT)	UNIT COST (DL)	TOTAL AMOUNT (1000DL)	CONSUMPTION	PER TON	PER TON
COST ELEMENT	231200.000	94.00					CONSUMPTION	COST PER TON OF PRODUCT (DL)
MATERIALS								
MAJOR RAW MATERIALS			245960.000 TON	192.526	47353.674	1.0638	1.0638	204.817
AUXILIARY RAW MATERIALS			3.000	0.000	0.000	0.0000	0.0000	0.000
*** TOTAL			245960.000 TON		47353.674	1.0638	1.0638	204.817
BY-PRODUCTS								
OTHERS			0.000	0.000	0.000	0.0000	0.0000	0.000
SCRAP			12299.840 TON	-153.200	-1884.335	0.0532	0.0532	-8.150
*** TOTAL			12299.840 TON		-1884.335	0.0532	0.0532	-8.150
VARIABLE OPE. COST								
FUELS			8092000.000 M3	0.021	169.932	35.0000	35.0000	0.735
NATURAL GAS			0.000	0.000	0.000	0.0000	0.0000	0.000
OTHERS			9092000.000 M3	0.000	169.932	35.0000	35.0000	0.735
*** SUB TOTAL			9092000.000 M3		169.932	35.0000	35.0000	0.735
INGOT MOLDS & ROLLS			0.000 US.DL	0.000	485.520	0.0000	0.0000	2.100
POWER			28900000.000 KWH	0.025	722.500	125.0000	125.0000	3.125
WATER			300560.000 M3	0.927	98.283	1.3000	1.3000	0.425
OXYGEN			0.000	0.000	0.000	0.0000	0.0000	0.000
NITROGEN			0.000	0.000	0.000	0.0000	0.0000	0.000
OPERATING EXPENCABLES			0.000 US.DL	0.000	670.480	0.0000	0.0000	2.900
COMPRESSED AIR			3468000.000 M3	0.006	20.808	15.0000	15.0000	0.090
INTRA-MILL TRANSPORTATION			233700.000 TON	1.421	332.088	1.0108	1.0108	1.436
OTHERS			0.000	0.000	62.490	0.0000	0.0000	0.270
*** TOTAL			0.000		2562.101			11.052
*** VARIABLE COST					48031.440			207.748
FIXED OPE. COST								
EMPLOYEES WAGES			875.000 M/Y	2959.000	1109.625	0.0016	0.0016	4.799
BENEFITS			375.000	759.340	288.502	0.0016	0.0016	1.248
*** SUB TOTAL					1398.127			6.047
MAINTENANCE			0.000 US.DL	0.000	3657.000	0.0000	0.0000	15.817
SPECIAL RESERVE FOR REPAIR			0.000	0.000	0.000	0.0000	0.0000	0.000
DEPRECIATION CHARGES			0.000	0.000	0.000	0.0000	0.0000	0.000
TAXES AND LEVIES			0.000	0.000	0.000	0.0000	0.0000	0.000
FACTORY OVERHEAD COST			875.000	1072.000	402.000	0.0016	0.0016	1.739
OTHERS			0.000 US.DL	0.000	37.600	0.0000	0.0000	0.163
*** TOTAL			0.000		5494.727			23.766

FULL PRODUCTION COST 53526.167 231.515

***** NO.1 *****
 ***** PROJECT: EL-DIKHEILA PROJECT (JICA RECOMM:BASE) (06:YEAR) *****
 ***** COST ACCOUNTING FOR CONTINUOUS CASTING PLANT *****

MATERIALS	OUT PUT	YIELD	REQUIREMENT (UNIT)	UNIT COST (DL)	TOTAL AMOUNT (10000L)	CONSUMPTION	PER TON COST PER TON OF PRODUCT (DL)
753352.700	715690.000	95.00					
----- COST ELEMENT -----							
MATERIALS	MAJOR RAW MATERIALS		753352.700 TON	162.264	122241.654	1.0526	170.803
	AUXILIARY RAW MATERIALS		0.000	0.000	0.000	0.0000	0.000
	*** TOTAL		753352.700 TON		122241.654	1.0526	170.803
BY-PRODUCTS	OTHERS		0.000	0.000	0.000	0.0000	0.000
	SCRAP		29772.704 TON	-153.200	-4561.178	0.0416	-6.373
	*** TOTAL		29772.704 TON		-4561.178	0.0416	-6.373
VARIABLE OPE. COST	FUELS	NATURAL GAS	286276.000 M3	0.021	60.118	4.0000	0.084
	OTHERS		0.000	0.000	0.000	0.0000	0.000
	*** SUB TOTAL		286276.000 M3		60.118	4.0000	0.084
	INGOT MOLDS & ROLLS		0.000	0.000	0.000	0.0000	0.000
	POWER		14313800.000 KWH	0.025	357.845	20.0000	0.500
	WATER		930397.000 M3	0.327	304.240	1.3000	0.425
	OXYGEN		114510.000 NM3	0.055	62.981	1.6000	0.088
	NITROGEN		157451.800 NM3	0.055	8.660	0.2200	0.012
	OPERATING EXPENDABLES		0.000 US.DL	0.000	4437.274	0.0000	0.200
	COMPRESSED AIR		17892250.000 M3	0.006	107.353	25.0000	0.150
	INTRA-MILL TRANSPORTATION		7600.000 TON	0.824	6.262	0.0106	0.009
	OTHERS		0.000 US.DL	0.000	1431.380	0.0000	0.200
	*** TOTAL				6776.117		9.468
*** VARIABLE COST					124456.593		173.897
FIXED OPE. COST	EMPLOYEES WAGES		227.000 M/Y	2959.000	671.693	0.0003	0.939
	BENEFITS		227.000 ****#	769.340	174.640	0.0003	0.244
	*** SUB TOTAL				945.333		1.183
	MAINTENANCE		0.000 US.DL	0.000	1466.000	0.0000	2.048
	SPECIAL RESERVE FOR REPAIR		0.000	0.000	0.000	0.0000	0.000
	DEPRECIATION CHARGES		0.000	0.000	0.000	0.0000	0.000
	TAXES AND LEVIES		0.000	0.000	0.000	0.0000	0.000
	FACTORY OVERHEAD COST		227.000 ****#	1047.300	237.737	0.0003	0.332
	OTHERS		0.000	0.000	0.000	0.0000	0.000
	*** TOTAL				2550.070		3.563
FULL PRODUCTION COST					127006.663		177.450

 NO.1
 PROJECT: EL-DIKHEILA PROJECT (JICA RECOMM:BASE)
 COST ACCOUNTING FOR ROLLING MILL PLANT

MATERIALS	OUT PUT	YIELD	TOTAL AMOUNT	UNIT COST	TOTAL AMOUNT	CONSUMPTION	PER TON
COST ELEMENT	600850.000	94.00	(1000DL)	(DL)	(1000DL)	COST PER TON	OF PRODUCT
			REQUIREMENT (UNIT)				(DL)
MATERIALS							
MAJOR RAW MATERIALS	639200.000 TON		639200.000 TON	177.460	113432.714	1.0638	188.787
AUXILIARY RAW MATERIALS	0.000		0.000	0.000	0.000	0.0000	0.000
*** TOTAL	639200.000 TON		639200.000 TON	177.460	113432.714	1.0638	188.787
BY-PRODUCTS							
OTHERS	0.000		0.000	0.000	0.000	0.0000	0.000
SCRAP	0.000		0.000	0.000	0.000	0.0000	0.000
*** TOTAL	0.000		0.000	0.000	0.000	0.0000	0.000
VARIABLE OPE. COST							
FUELS	21029750.000 M3		21029750.000 M3	0.021	441.625	35.0000	0.735
NATURAL GAS	0.000		0.000	0.000	0.000	0.0000	0.000
OTHERS	0.000		0.000	0.000	0.000	0.0000	0.000
*** SUR TOTAL	21029750.000 M3		21029750.000 M3	0.021	441.625	35.0000	0.735
INGOT MOLDS & ROLLS	0.000 US-DL		0.000 US-DL	0.000	1261.785	0.0000	2.100
POWER	75106250.000 KWH		75106250.000 KWH	0.025	1877.656	125.0000	3.125
WATER	781105.000 M3		781105.000 M3	0.327	255.421	1.3000	0.425
OXYGEN	0.000		0.000	0.000	0.000	0.0000	0.000
NITROGEN	0.000		0.000	0.000	0.000	0.0000	0.000
OPERATING EXPENLABLES	0.000 US-DL		0.000 US-DL	0.000	1742.465	0.0000	2.900
COMPRESSED AIR	0.000 M3		0.000 M3	0.004	54.076	15.0000	0.090
INTRA-MILL TRANSPORTATION	60720.000 TD		60720.000 TD	0.824	500.333	1.0106	0.833
OTHERS	0.000		0.000	0.000	153.334	0.0000	0.255
*** TOTAL					6286.696		10.463
*** VARIABLE COST					114822.338		191.100
FIXED OPE. COST							
EMPLOYEES WAGES	397.000 M/Y		397.000 M/Y	2959.000	1174.723	0.0007	1.955
BENEFITS	397.000		397.000	769.340	305.429	0.0007	0.508
*** SUR TOTAL					1480.151		2.463
MAINTENANCE	0.000 US-DL		0.000 US-DL	0.000	4876.000	0.0000	8.115
SPECIAL RESERVE FOR REPAIR	0.000		0.000	0.000	0.000	0.0000	0.000
DEPRECIATION CHARGES	0.000		0.000	0.000	0.000	0.0000	0.000
TAXES AND LEVIES	0.000		0.000	0.000	0.000	0.0000	0.000
FACTORY OVERHEAD COST	397.000		397.000	1047.300	415.778	0.0007	0.692
OTHERS	0.000 US-DL		0.000 US-DL	0.000	37.600	0.0000	0.063
*** TOTAL					6809.529		11.333

FULL PRODUCTION COST 202.433

 NO.1
 PROJECT: FL-DIKHEILA PROJECT (JICA RECOMM:RASS) (07:YEAR)
 COST ACCOUNTING FOR CONTINUOUS CASTING PLANT

MATERIALS R1000.000	OUT PUT 769500.000	YIELD 95.00	TOTAL AMOUNT		PER TON		
			REQUIREMENT (UNIT)	UNIT COST (DL)	CONSUMPTION	COST PER TON OF PRODUCT (DL)	
MATERIALS	MAJOR RAW MATERIALS		810000.000 TON	160.560	130053.513	1.0526	169.010
	AUXILIARY RAW MATERIALS		0.000	0.000	0.000	0.000	0.000
*** TOTAL			810000.000 TON	0.000	130053.513	1.0526	169.010
BY-PRODUCTS	OTHERS		0.000	0.000	0.000	0.000	0.000
	SCRAP		32011.200 TON	-153.200	0.000	0.000	0.000
*** TOTAL			32011.200 TON	-153.200	-6904.116	0.0416	-6.373
VARIABLE OPE. COST	FUELS		3078000.000 M3	0.021	64.638	4.0000	0.084
	NATURAL GAS		0.000	0.000	0.000	0.000	0.000
	OTHERS		3078000.000 M3	0.000	64.638	4.0000	0.084
*** SUB TOTAL							
	INGOT MOLDS & ROLLS		0.000	0.000	0.000	0.0000	0.000
	POWER		1539000.000 KWH	0.025	384.750	20.0000	0.500
	WATER		1000350.000 M3	0.327	327.114	1.3000	0.425
	OXYGEN		1231200.000 NM3	0.055	67.716	1.6000	0.088
	NITROGEN		169290.000 NM3	0.055	9.311	0.2200	0.012
	OPERATING EXPENDABLES		0.000 US-DL	0.000	4770.900	0.0000	6.200
	COMPRESSED AIR		19237500.000 M3	0.006	115.425	25.0000	0.150
	INTRAMILL TRANSPORTATION		8000.000 TON	0.732	5.856	0.0104	0.008
OTHERS			0.000 US-DL	0.000	1539.000	0.0000	2.000
*** TOTAL					7284.710	0.0000	9.467
*** VARIABLE COST					132436.107		172.104
FIXED OPE. COST	EMPLOYEES WAGES		227.000 M/Y	2959.000	671.593	0.0003	0.873
	BENEFITS		227.000 ****	769.340	174.540	0.0003	0.227
*** SUB TOTAL					846.333		1.100
	MAINTENANCE		0.000 US-DL	0.000	1466.000	0.0000	1.905
	SPECIAL RESERVE FOR REPAIR		0.000	0.000	0.000	0.0000	0.000
	DEPRECIATION CHARGES		0.000	0.000	0.000	0.0000	0.000
	TAXES AND LEVIES		0.000	0.000	0.000	0.0000	0.000
	FACTORY OVERHEAD COST		227.000 ****	1047.300	237.737	0.0003	0.309
OTHERS			0.000	0.000	0.000	0.0000	0.000
*** TOTAL			0.000	0.000	0.000	0.0000	0.000
			0.000	0.000	2550.070	0.0000	3.314
FULL PRODUCTION COST					134984.178		175.418

***** NO.1 *****
 ***** PROJECT: EL-DIAHEILA PROJECT (JICA RECONMBASE) (07:YEAR) *****
 ***** COST ACCOUNTING FOR ROLLING MILL PLANT *****

COST ELEMENT	DUT PUT	YIELD	TOTAL AMOUNT		PER TON	
			REQUIREMENT (UNIT)	UNIT COST (DL)	CONSUMPTION	COST PER TON OF PRODUCT (DL)
MATERIALS	769500.000	72330.000				
MAJOR RAW MATERIALS			769500.000 TON	175.418	134984.178	1.0638
AUXILIARY RAW MATERIALS			0.000	0.000	0.000	0.000
*** TOTAL			769500.000 TON	0.000	134984.178	1.0638
BY-PRODUCTS			0.000	0.000	0.000	0.000
OTHERS			0.000	0.000	0.000	0.000
SCRAP			38481.154 TON	-153.200	-5895.313	-0.0532
*** TOTAL			38481.154 TON	-153.200	-5895.313	-0.0532
VARIABLE OPE. COST			25316550.000 M3	0.021	531.648	0.000
FUELS			0.000	0.000	0.000	0.000
NATURAL GAS			0.000	0.000	0.000	0.000
OTHERS			25316550.000 M3	0.000	531.648	0.000
*** SUR TOTAL			0.000	0.000	1518.993	0.000
INGOT MOLDS & ROLLS			0.000	0.025	2260.406	0.000
POWER			90418250.000 KWH	0.027	207.488	0.000
WATER			940729.000 M3	0.000	0.000	0.000
OXYGEN			0.000	0.000	0.000	0.000
NITROGEN			0.000	0.000	0.000	0.000
OPERATING EXPENCABLFS			0.000	0.000	2097.657	0.000
COMPRESSED AIR			10849950.000 M3	0.006	65.100	0.000
INTRAMILL TRANSPORTATION			731000.000 TON	0.732	535.092	0.0106
OTHERS			0.000	0.000	182.910	0.000
*** TOTAL			0.000	0.000	7499.293	0.000
*** VARIABLE COST					136588.157	188.832
FIXED OPE. COST			397.000 M/Y	2959.000	1174.723	0.0005
EMPLOYEES WAGES			397.000	769.340	305.428	0.0005
BENEFITS					1480.151	2.046
*** SUR TOTAL					4876.000	6.741
MAINTENANCE			0.000	0.000	0.000	0.000
SPECIAL RESERVE FOR REPAIR			0.000	0.000	0.000	0.000
DEPRECIATION CHARGES			0.000	0.000	0.000	0.000
TAXES AND LEVIES			0.000	0.000	0.000	0.000
FACTORY OVERHEAD COST			397.000	1047.300	415.778	0.0005
OTHERS			0.000	0.000	37.600	0.000
*** TOTAL			0.000	0.000	6409.529	9.414
FULL PRODUCTION COST					143397.686	198.247

 ***** NO.1
 ***** PROJECT: FL-DIKHEILA PROJECT (JICA RECOMM:ESCAL) (08:YEAR)

 ***** COST ACCOUNTING FOR LYME CALCINING PLANT

Table 11-48

MATERIALS COST ELEMENT	OUT PUT 60760.000	YIELD 45.21	TOTAL AMOUNT		PER TON	
			REQUIREMENT (UNIT)	UNIT COST (DL)	CONSUMPTION	COST PER TON OF PRODUCT (DL)
MATERIALS						
MAJOR RAW MATERIALS			134401.120 TON	4.840	2.2120	10.706
AUXILIARY RAW MATERIALS			0.000	0.000	0.0000	0.000
*** TOTAL			134401.120 TON	650.501	2.2120	10.706
BY-PRODUCTS						
OTHERS			0.000	0.000	0.0000	0.000
SCRAP			0.000	0.000	0.0000	0.000
*** TOTAL			0.000	0.000	0.0000	0.000
VARIABLE OPE. COST						
FUELS			63700.000 M3	0.031	105.0000	3.276
NATURAL GAS			0.000	0.000	0.0000	0.000
OTHERS			0.000	0.000	0.0000	0.000
*** SUR TOTAL			63700.000 M3	0.031	105.0000	3.276
INGOT MOLDS & ROLLS			0.000	0.000	0.0000	0.000
POWER			334100.000 KWH	0.038	55.0000	2.090
WATER			60760.000 M3	0.474	1.0000	0.474
OXYGEN			0.000	0.000	0.0000	0.000
NITROGEN			0.000	0.000	0.0000	0.000
OPERATING EXPENDABLES			0.000 US-DL	0.000	0.0000	0.000
COMPRESSED AIR			4982320.000 M3	0.006	82.0000	3.090
INTRA-MILL TRANSPORTATION			149000.000 TON	1.222	2.6523	2.997
OTHERS			0.000	0.000	0.0000	0.000
*** TOTAL			1405.060	754.559	12.419	23.125
*** VARIABLE COST						
FIXED OPE. COST						
EMPLOYEES WAGFS			44.000 M/Y	4936.000	0.0007	3.574
BENEFITS			44.000 M/Y	1283.360	0.0007	0.929
*** SUR TOTAL						
MAINTENANCE			0.000 US-DL	0.000	0.0000	4.504
SPECIAL RESERVE FOR REPAIR			0.000	0.000	0.0000	4.016
DEPRECIATION CHARGES			0.000	0.000	0.0000	0.000
TAXES AND LEVIES			0.000	0.000	0.0000	0.000
FACTORY OVERHEAD COST			44.000 M/Y	1675.770	0.0007	1.214
OTHERS			0.000	0.000	0.0000	0.000
*** TOTAL			591.386	0.000	0.0000	0.000

FULL PRODUCTION COST

32.858

***** NO.1
 PROJECT: EL-DIKHEILA PROJECT (JICA RECOMM:ESCAL) (08:YEAR)
 COST ACCOUNTING FOR DIRECT REDUCTION PLANT

MATERIALS	OUT PUT	YIELD	TOTAL AMOUNT	UNIT COST	TOTAL AMOUNT	CONSUMPTION	PER TON	COST PER TON
COST ELEMENT	715000.000	69.64	(10000L)	(DL)	(10000L)			(DL)
MATERIALS								
MAJOR RAW MATERIALS	1026740.000 TON		51.609	52989.010	1.4360	74.111		
AUXILIARY RAW MATERIALS	0.000		0.000	0.000	0.0000	0.000		
*** TOTAL	1026740.000 TON		51.609	52989.010	1.4360	74.111		
BY-PRODUCTS								
OTHERS	0.000		0.000	0.000	0.0000	0.000		
SCRAP	0.000		0.000	0.000	0.0000	0.000		
*** TOTAL	0.000		0.000	0.000	0.0000	0.000		
VARIABLE OPE. COST								
FUELS	220935000.000 M3		0.031	6893.172	309.0000	9.641		
NATURAL GAS	0.000		0.000	0.000	0.0000	0.000		
OTHERS	0.000		0.000	0.000	0.0000	0.000		
*** SUB TOTAL	220935000.000 M3		0.031	6893.172	309.0000	9.641		
INGOT MOLDS & ROLLS	96525000.000 KWH		0.000	0.000	0.0000	0.000		
POWER	1072500.000 M3		0.038	3667.950	135.0000	5.130		
WATER	0.000		0.474	508.365	1.5000	0.711		
OXYGEN	0.000		0.000	0.000	0.0000	0.000		
NITROGEN	2216500.000 NM3		0.078	172.887	3.1000	0.262		
OPERATING EXPENDABLES	0.000 US.DL		0.000	210.925	0.0000	0.295		
COMPRESSED AIR	0.000		0.000	0.000	0.0000	0.000		
INTRAMILL TRANSPORTATION	55800.000 TON		1.222	68.188	0.0780	0.095		
OTHERS	0.000		0.000	0.000	0.0000	0.000		
*** TOTAL			0.000	11521.487	0.0000	16.114		
*** VARIABLE COST				64510.497		90.224		
FIXED OPE. COST								
EMPLOYEES WAGES	56.000 M/Y		4936.000	276.416	0.0001	0.387		
BNFENITS	56.000 ****		1283.360	71.868	0.0001	0.101		
*** SUB TOTAL				348.284		0.487		
MAINTENANCE	0.000 US.DL		0.000	3222.000	0.0000	4.506		
SPECIAL RESERVE FOR REPAIR	0.000		0.000	0.000	0.0000	0.000		
DEPRECIATION CHARGES	0.000		0.000	0.000	0.0000	0.000		
TAXES AND LEVIES	0.000		0.000	0.000	0.0000	0.000		
FACTORY OVERHEAD COST	56.000 ****		1675.770	93.843	0.0001	0.131		
OTHERS	0.000 US.DL		0.000	1430.000	0.0000	2.000		
*** TOTAL	0.000		0.000	5094.127	0.0000	7.125		

FULL PRODUCTION COST 97.349

 ***** NO.1 *****
 ***** PROJECT: EL-DIKHEILA PROJECT (JICA RECOMM:ESCAL) (OR:YEAR) *****
 ***** COST ACCOUNTING FOR ELECTRIC ARC FURNACE PLANT *****

MATERIALS COST ELEMENT	OUT PUT 81000G.000	YIELD 85.91	TOTAL AMOUNT		PER TON	
			UNIT COST (DL)	TOTAL AMOUNT (1000DL)	CONSUMPTION OF PRODUCT	COST PER TON (DL)
MATERIALS	MAJOR RAW MATERIALS	963905.000 TON	130.753	123418.857	1.1653	152.369
	AUXILIARY RAW MATERIALS	66025.000 TON	62.108	4100.672	0.0815	5.063
	*** TOTAL	1009931.000 TON		127519.529	1.2468	157.432
BY-PRODUCTS	OTHERS	0.000	0.000	0.000	0.0000	0.000
	SCRAP	0.000	0.000	0.000	0.0000	0.000
	*** TOTAL	8100.000 TON	-215.650	-1746.765	0.0100	-2.156
VARIABLE OPE. COST	FUELS	162000G.000 M3	0.031	50.544	2.0000	0.062
	NATURAL GAS	0.000	0.000	0.000	0.0000	0.000
	OTHERS	0.000	0.000	0.000	0.0000	0.000
	*** SUB TOTAL	162000.000 M3		50.544	2.0000	0.062
	INGOT MOLDS & ROLLS	0.000	0.000	0.000	0.0000	0.000
	POWER	567000000.000 KWH	0.038	21546.000	700.0000	26.600
	WATER	2754000.000 M3	0.474	1305.395	3.4090	1.612
	OXYGEN	1620000.000 NM3	0.078	126.360	2.0000	0.156
	NITROGEN	0.000	0.000	0.000	0.0000	0.000
	OPERATING EXPENDABLES			20467.502		37.614
	COMPRESSED AIR	12150000.000 M3	0.006	72.900	15.0000	0.090
	INTRAMILL TRANSPORTATION	478480.000 TON	1.222	584.703	0.5907	0.722
	OTHERS	0.000	0.000	0.000	0.0000	0.000
	*** TOTAL			54157.405		66.856
*** VARIABLE COST				179926.168		222.131
FIXED OPE. COST	EMPLOYEES WAGES	231.000 M/Y	4936.000	1140.216	0.0003	1.408
	BENEFITS	231.000 ****	1283.360	296.456	0.0003	0.365
	*** SUB TOTAL			1436.672		1.774
	MAINTENANCE	0.000 US.DL	0.000	3625.000	0.0000	4.475
	SPECIAL RESERVE FOR REPAIR	0.000	0.000	0.000	0.0000	0.000
	DEPRECIATION CHARGES	0.000	0.000	0.000	0.0000	0.000
	TAXES AND LEVIES	0.000	0.000	0.000	0.0000	0.000
	FACTORY OVERHEAD COST	231.000 ****	1675.770	387.103	0.0003	0.478
	OTHERS	0.000	0.000	0.000	0.0000	0.000
	*** TOTAL			5448.775		6.727

FULL PRODUCTION COST 185376.943 228.858

 NO.1
 PROJECT: EL-DIKHEILA PROJECT (JICA RECOMM:ESCAL) (08:YEAR)

 COST ACCOUNTING FOR CONTINUOUS CASTING PLANT

MATERIALS	OUT PUT	YIELD	REQUIREMENT (UNIT)	UNIT COST (DL)	TOTAL AMOUNT (1000DL)	CONSUMPTION	PER TON COST PER TON OF PRODUCT (DL)
810000.000	769500.000	95.00					
COST ELEMENT							
MATERIALS	MAJOR RAW MATERIALS		810000.000 TON	228.858	185374.943	1.0526	240.903
	AUXILIARY RAW MATERIALS		0.000	0.000	0.000	0.0000	0.000
***	TOTAL		810000.000 TON		185374.943	1.0526	240.903
BY-PRODUCTS	OTHERS		0.000	0.000	0.000	0.0000	0.000
	SCRAP		0.000	0.000	0.000	0.0000	0.000
***	TOTAL		0.000	-215.650	-6903.215	0.0416	-8.971
			32011.200 TON		-6903.215	0.0416	-8.971
			32011.200 TON		-6903.215	0.0416	-8.971
VARIABLE OPE. COST	FUELS	NATURAL GAS	3078000.000 M3	0.031	96.034	4.0000	0.125
	OTHERS		0.000	0.000	0.000	0.0000	0.000
***	SUB TOTAL		3078000.000 M3		96.034	4.0000	0.125
	INGOT MOLDS & ROLLS		0.000	0.000	0.000	0.0000	0.000
	POWER		15390000.000 KWH	0.038	584.820	20.0000	0.760
	WATER		1000350.000 M3	0.474	474.166	1.3000	0.616
	OXYGEN		1231200.000 NM3	0.078	96.034	1.6000	0.125
	NITROGEN		169290.000 NM3	0.078	13.205	0.2200	0.017
	OPERATING EXPENDABLES		0.000 US.DL	0.000	6694.650	0.0000	8.700
	COMPRESSED AIR		0.006	0.006	115.425	25.0000	0.150
	INTRA-MILL TRANSPORTATION		8000.000 TON	1.222	9.776	0.0104	0.013
	OTHERS		0.000 US.DL	0.000	2162.295	0.0000	2.810
***	TOTAL				10245.404		13.316
***	VARIABLE COST				188718.132		245.248
FIXED OPE. COST	EMPLOYEES WAGES		227.000 M/Y	4936.000	1120.472	0.0003	1.456
	BENEFITS		227.000 *****	1283.360	291.323	0.0003	0.379
	***	SUB TOTAL			1411.795		1.835
	MAINTENANCE		0.000 US.DL	0.000	1813.000	0.0000	2.356
	SPECIAL RESERVE FOR REPAIR		0.000	0.000	0.000	0.0000	0.000
	DEPRECIATION CHARGES		0.000	0.000	0.000	0.0000	0.000
	TAXES AND LEVIES		0.000	0.000	0.000	0.0000	0.000
	FACTORY OVERHEAD COST		227.000 *****	1675.770	380.400	0.0003	0.494
	OTHERS		0.000	0.000	0.000	0.0000	0.000
***	TOTAL				3605.195		4.685

 ***** NO.1 *****
 ***** PROJECT: FL-DIKHEILA PROJECT (JICA RECOMMESCAL) (08:YEAR) *****
 ***** COST ACCOUNTING FOR ROLLING MILL PLANT *****

MATERIALS	OUT PUT	YIELD	TOTAL AMOUNT	UNIT COST	TOTAL AMOUNT	CONSUMPTION	COST PER TON
COST ELEMENT	72330.000	94.00	(DL)	(DL)	(1000DL)		(DL)
			REQUIREMENT (UNIT)				
MATERIALS							
MAJOR RAW MATERIALS	76950.000 TON		76950.000 TON	249.933	192323.326	1.0638	265.886
AUXILIARY RAW MATERIALS	0.000 TON		0.000 TON	0.000	0.000	0.0000	0.000
*** TOTAL					192323.326	1.0528	265.886
BY-PRODUCTS							
OTHERS	0.000		0.000	0.000	0.000	0.0000	0.000
SCRAP	38481.156 TON		38481.156 TON	-215.650	-8298.461	0.0532	-11.473
*** TOTAL					-8298.461	0.0532	-11.473
VARIABLE OPF. COST							
FUELS	25316550.000 M3		25316550.000 M3	0.031	789.874	35.0000	1.092
NATURAL GAS	0.000		0.000	0.000	0.000	0.0000	0.000
OTHERS	25316550.000 M3		25316550.000 M3	0.000	789.874	35.0000	1.092
*** SUB TOTAL					789.874	35.0000	1.092
INGOT MOLDS & ROLLS	0.000 US-DL		0.000 US-DL	0.000	2133.823	0.0000	2.950
POWER	90416250.000 KWH		90416250.000 KWH	0.038	3435.817	125.0000	4.750
WATER	940329.000 M3		940329.000 M3	0.474	445.716	1.3000	0.616
OXYGEN	0.000		0.000	0.000	0.000	0.0000	0.000
NITROGEN	0.000		0.000	0.000	0.000	0.0000	0.000
OPERATING EXPENCABLFS	0.000 US-DL		0.000 US-DL	0.000	2943.953	0.0000	4.070
COMPRESSED AIR	16849950.000 M3		16849950.000 M3	0.006	65.100	15.0000	0.090
INTRAMILL TRANSPORTATION	731000.000 TON		731000.000 TON	1.222	893.282	1.0166	1.255
OTHERS	0.000		0.000	0.000	267.689	0.0000	0.370
*** TOTAL					10975.257	0.0000	15.173
*** VARIABLE COST					195000.122		269.587
FIXED OPE. COST							
EMPLOYEES WAGES	397.000 M/Y		397.000 M/Y	4936.000	1959.592	0.0005	2.709
BNFNETTS	397.000		397.000	1283.360	509.494	0.0005	0.704
*** SUB TOTAL					2469.086		3.413
MAINTENANCE	0.000 US-DL		0.000 US-DL	0.000	6103.000	0.0000	8.437
SPECIAL RESERVE FOR REPAIR	0.000		0.000	0.000	0.000	0.0000	0.000
DEPRECIATION CHARGES	0.000		0.000	0.000	0.000	0.0000	0.000
TAXES AND LEVIES	0.000		0.000	0.000	0.000	0.0000	0.000
FACTORY OVERHEAD COST	397.000		397.000	1675.770	665.281	0.0005	0.920
OTHERS	0.000 US-DL		0.000 US-DL	0.000	37.600	0.0000	0.052
*** TOTAL					9274.967	0.0000	12.823

FULL PRODUCTION COST 204275.089 282.409

***** NO.3 *****
 ***** PROJECT: EL-DIKHEILA PROJECT (JICA RECOMMESCAL) (08:YEAR) *****
 ***** COST ACCOUNTING FOR LIME CALCINING PLANT *****

COST ELEMENT	REQUIREMENT (UNIT)	TOTAL AMOUNT	UNIT COST	TOTAL AMOUNT	CONSUMPTION	PER TON COST PER TON OF PROJECT
INTERMEDIATE PRODUCTS	BURNI LIME	60760.000 TON	32.858	1996.446		
MAJOR RAW MATERIALS	LIME STONE	134401.120 TON	4.840	650.501	2.21200	10.706
LN-GAS	NATURAL GAS	6379800.000 M3	0.031	199.050	105.00000	3.276
POWER	POWER	3341900.000 KWH	0.038	126.988	55.00000	2.090
WATER	MAKE UP WATER	60760.000 M3	0.474	28.800	1.00000	0.474
OPERATING EXPENDABLES	REFRATORIFS	0.000 US.DL	0.000	187.748	0.00000	3.090
COMPRESSED AIR	COMPRESSED AIR	4082320.000 M3	0.006	22.894	82.00000	0.492
INTRA-MILL TRANSPORTATION	INT. TRANSPORT.	149000.000 TON	1.222	182.078	2.45227	2.997
WAGES	WAGES	44.000 M/Y	4936.000	217.184	0.00072	3.574
BENEFITS	BENEFITS	44.000	1283.360	56.468	0.00072	0.929
MAINTENANCE	MAINTENANCE	0.000 US.DL	0.000	244.000	0.00000	4.016
FACTORY OVERHEAD COST	FACT.OVHD.COST	44.000	1675.770	73.734	0.00072	1.214

***** NO.3 *****
 PROJECT: EL-DIKHEILA PROJECT (JICA RECOMM=ESCAL) (08:YEAR) *****
 ***** COST ACCOUNTING FOR DIRECT REDUCTION PLANT *****

COST ELEMENT	REQUIREMENT (UNIT)	TOTAL AMOUNT	UNIT COST	TOTAL AMOUNT	CONSUMPTION	PER TON COST PER TON OF PROJECT
INTERMEDIATE PRODUCTS	715000.000 TON	69604.624	97.349	69604.624		
MAJOR RAW MATERIALS						
SPONGE IRON	718719.000 TON	40298.504	56.070	40298.504	1.00520	56.362
OXIDE PELLETS	308022.000 TON	12690.506	41.200	12690.506	0.43080	17.749
LUMP ORE						
LN-GAS	220935000.000 M3	6893.172	0.031	6893.172	309.00000	9.641
POWER	96525000.000 KWH	3667.950	0.038	3667.950	135.00000	5.130
WATER	1072500.000 M3	508.365	0.474	508.365	1.50000	0.711
MAKE UP WATER						
NITROGEN	2216500.000 NM3	172.887	0.079	172.887	3.10000	0.262
OPERATING EXPENDABLES	0.000 US.DL	210.925	0.000	210.925	0.00000	0.295
OTHERS						
INTRA-MILL TRANSPORTATION	55800.000 TON	68.188	1.222	68.188	0.07804	0.095
WAGES	56.000 M/Y	275.416	4936.000	275.416	0.00008	0.387
BENEFITS	56.000	71.868	1283.360	71.868	0.00008	0.101
MAINTENANCE	0.000 US.DL	3222.000	0.000	3222.000	0.00000	4.506
MAINTENANCE						
FACTORY OVERHEAD COST	56.000	93.843	1675.770	93.843	0.00008	0.131
FACT-OVHD.COST						
OTHER (FIXED OPE.COST)	0.000 US.DL	1430.000	0.000	1430.000	0.00000	2.000
OTHERS						