

ANNEX 5

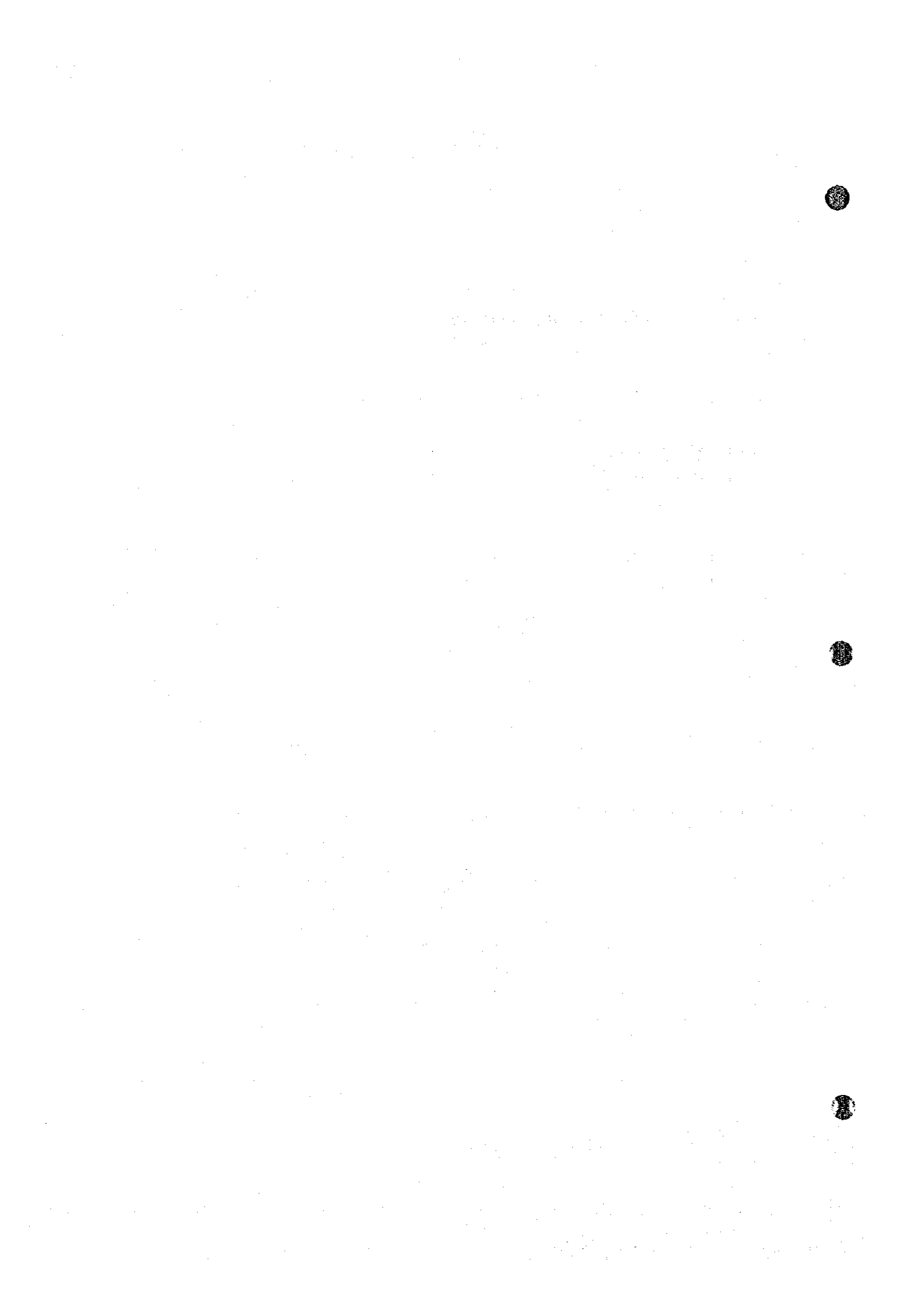
FINANCIAL ANALYSIS SHEETS

ANNEX 5 FINANCIAL ANALYSIS SHEETS

5.1 No.1 CDU (Operational Rate : 80%)

(1) "WITH" Case	A5.1 - 1 ... A5.1 - 17
(2) "WITHOUT" Case	A5.1 - 18 ... A5.1 - 34
(3) "Incremental" Case	A5.1 - 35 ... A5.1 - 46

5.2 Power Plant ("Incremental" Case)	A5.2 - 1 ... A5.2 - 12
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*** CRUDE OIL DISTILLATION PROJECT IN POLAND ***
 PRODUCTION AND SALES PLAN
 - WITH CASE (2,439,360 T/Y, C.U.:50X) - (US\$, 1,000)

YEAR	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
RATED CAPACITY (FUEL GAS)	0.	0.	5544.	5544.	5544.	5544.	5544.	5544.	5544.	5544.
CAPACITY UTILIZATION (FUEL GAS)	0.0	0.0	0.800	0.800	0.800	0.800	0.800	0.800	0.800	0.800
PRODUCTION (VOLUME)	0.	0.	4435.	4435.	4435.	4435.	4435.	4435.	4435.	4435.
INCREASE IN INVENTORY (FUEL GAS)	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
SALES (VOLUME)	0.	0.	4435.	4435.	4435.	4435.	4435.	4435.	4435.	4435.
UNIT SALES PRICE (US\$/T)	0.0	0.0	0.1050	0.1050	0.1050	0.1050	0.1050	0.1050	0.1050	0.1050
SALES REVENUE (FUEL GAS)	0.	0.	466.	466.	466.	466.	466.	466.	466.	466.
RATED CAPACITY (LPG)	0.	0.	34056.	34056.	34056.	34056.	34056.	34056.	34056.	34056.
CAPACITY UTILIZATION (LPG)	0.0	0.0	0.800	0.800	0.800	0.800	0.800	0.800	0.800	0.800
PRODUCTION (VOLUME)	0.	0.	27245.	27245.	27245.	27245.	27245.	27245.	27245.	27245.
INCREASE IN INVENTORY (LPG)	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
SALES (VOLUME)	0.0	0.0	27245.	27245.	27245.	27245.	27245.	27245.	27245.	27245.
UNIT SALES PRICE (US\$/T)	0.0	0.0	0.1200	0.1200	0.1200	0.1200	0.1200	0.1200	0.1200	0.1200
SALES REVENUE (LPG)	0.	0.	3269.	3269.	3269.	3269.	3269.	3269.	3269.	3269.
RATED CAPACITY (L/H NAPHTHA)	0.	0.	435600.	435600.	435600.	435600.	435600.	435600.	435600.	435600.
CAPACITY UTILIZATION (L/H NAPHTHA)	0.0	0.0	0.800	0.800	0.800	0.800	0.800	0.800	0.800	0.800
PRODUCTION (VOLUME)	0.	0.	348480.	348480.	348480.	348480.	348480.	348480.	348480.	348480.
INC. IN INVENTORY (L/H NAPHTHA)	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
SALES (VOLUME)	0.0	0.0	348480.	348480.	348480.	348480.	348480.	348480.	348480.	348480.
UNIT SALES PRICE (US\$/T)	0.0	0.0	0.1700	0.1700	0.1700	0.1700	0.1700	0.1700	0.1700	0.1700
SALES REVENUE (L/H NAPHTHA)	0.	0.	59242.	59242.	59242.	59242.	59242.	59242.	59242.	59242.
RATED CAPACITY (KEROSENE)	0.	0.	1.	1.	1.	1.	1.	1.	1.	1.
CAPACITY UTILIZATION (KEROSENE)	0.0	0.0	0.800	0.800	0.800	0.800	0.800	0.800	0.800	0.800
PRODUCTION (VOLUME)	0.	0.	1.	1.	1.	1.	1.	1.	1.	1.
INC. IN INVENTORY (KEROSENE)	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
SALES (VOLUME)	0.0	0.0	1.	1.	1.	1.	1.	1.	1.	1.
UNIT SALES PRICE (US\$/T)	0.0	0.0	0.1900	0.1900	0.1900	0.1900	0.1900	0.1900	0.1900	0.1900
SALES REVENUE (KEROSENE)	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
RATED CAPACITY (GAS OIL)	0.	0.	742104.	742104.	742104.	742104.	742104.	742104.	742104.	742104.
CAPACITY UTILIZATION (GAS OIL)	0.0	0.0	0.800	0.800	0.800	0.800	0.800	0.800	0.800	0.800
PRODUCTION (VOLUME)	0.	0.	593683.	593683.	593683.	593683.	593683.	593683.	593683.	593683.
INCREASE IN INVENTORY (GAS OIL)	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
SALES (VOLUME)	0.0	0.0	593683.	593683.	593683.	593683.	593683.	593683.	593683.	593683.
UNIT SALES PRICE (US\$/T)	0.0	0.0	0.1800	0.1800	0.1800	0.1800	0.1800	0.1800	0.1800	0.1800
SALES REVENUE (GAS OIL)	0.	0.	106863.	106863.	106863.	106863.	106863.	106863.	106863.	106863.
RATED CAPACITY (V.G.O.)	0.	0.	664488.	664488.	664488.	664488.	664488.	664488.	664488.	664488.
CAPACITY UTILIZATION (V.G.O.)	0.0	0.0	0.800	0.800	0.800	0.800	0.800	0.800	0.800	0.800
PRODUCTION (VOLUME)	0.	0.	531590.	531590.	531590.	531590.	531590.	531590.	531590.	531590.
INCREASE IN INVENTORY (V.G.O.)	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
SALES (VOLUME)	0.0	0.0	531590.	531590.	531590.	531590.	531590.	531590.	531590.	531590.
UNIT SALES PRICE (US\$/T)	0.0	0.0	0.1600	0.1600	0.1600	0.1600	0.1600	0.1600	0.1600	0.1600
SALES REVENUE (V.G.O.)	0.	0.	85054.	85054.	85054.	85054.	85054.	85054.	85054.	85054.

*** CRUDE OIL DISTILLATION PROJECT IN POLAND ***
 PRODUCTION AND SALES PLAN
 - WITH CASE (2,439,360 T/Y, C.U.:80%) - (US\$. 1,000)

YEAR	1987	1988	1989	2000	2001	2002	2003	2004	2005	2006
RATED CAPACITY (F.O. (LS))	0.	0.	79200.	79200.	79200.	79200.	79200.	79200.	79200.	79200.
CAPACITY UTIL'N (F.O. (LS))	0.0	0.0	0.800	0.800	0.800	0.800	0.800	0.800	0.800	0.800
PRODUCTION (VOLUME)	0.	0.	63360.	63360.	63360.	63360.	63360.	63360.	63360.	63360.
INC. IN INVENTORY (F.O. (LS))	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
SALES (VOLUME)	0.	0.	63360.	63360.	63360.	63360.	63360.	63360.	63360.	63360.
UNIT SALES PRICE (US\$/T)	0.0	0.0	0.0850	0.0850	0.0850	0.0850	0.0850	0.0850	0.0850	0.0850

SALES REVENUE (F.O. (LS))	0.	0.	5386.	5386.	5386.	5386.	5386.	5386.	5386.	5386.
RATED CAPACITY (F.O. (HS))	0.	0.	478368.	478368.	478368.	478368.	478368.	478368.	478368.	478368.
CAPACITY UTILIZATION (F.O. (HS))	0.0	0.0	0.800	0.800	0.800	0.800	0.800	0.800	0.800	0.800
PRODUCTION (VOLUME)	0.	0.	382694.	382694.	382694.	382694.	382694.	382694.	382694.	382694.
INC. IN INVENTORY (F.O. (HS))	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
SALES (VOLUME)	0.	0.	382694.	382694.	382694.	382694.	382694.	382694.	382694.	382694.
UNIT SALES PRICE (US\$/T)	0.0	0.0	0.0650	0.0650	0.0650	0.0650	0.0650	0.0650	0.0650	0.0650

SALES REVENUE (F.O. (HS))	0.	0.	24875.	24875.	24875.	24875.	24875.	24875.	24875.	24875.
TOTAL SALES REVENUE	0.	0.	285155.	285155.	285155.	285155.	285155.	285155.	285155.	285155.

*** CRUDE OIL DISTILLATION PROJECT IN POLAND ***
 PRODUCTION AND SALES PLAN
 - WITH CASE (2,439,360 T/Y, C.U.:80%) - (US\$, 1,000)

YEAR	2007	2008	2009	2010	2011	2012	2013
RATED CAPACITY (FUEL GAS)	5544.	5544.	5544.	5544.	5544.	5544.	5544.
CAPACITY UTILIZATION (FUEL GAS)	0.800	0.800	0.800	0.800	0.800	0.800	0.800
PRODUCTION (VOLUME)	4435.	4435.	4435.	4435.	4435.	4435.	4435.
INCREASE IN INVENTORY (FUEL GAS)	0.	0.	0.	0.	0.	0.	0.
SALES (VOLUME)	4435.	4435.	4435.	4435.	4435.	4435.	4435.
UNIT SALES PRICE (US\$/T)	0.1050	0.1050	0.1050	0.1050	0.1050	0.1050	0.1050
SALES REVENUE (FUEL GAS)	466.	466.	466.	466.	466.	466.	466.
RATED CAPACITY (LPG)	34056.	34056.	34056.	34056.	34056.	34056.	34056.
CAPACITY UTILIZATION (LPG)	0.800	0.800	0.800	0.800	0.800	0.800	0.800
PRODUCTION (VOLUME)	27245.	27245.	27245.	27245.	27245.	27245.	27245.
INCREASE IN INVENTORY (LPG)	0.	0.	0.	0.	0.	0.	0.
SALES (VOLUME)	27245.	27245.	27245.	27245.	27245.	27245.	27245.
UNIT SALES PRICE (US\$/T)	0.1200	0.1200	0.1200	0.1200	0.1200	0.1200	0.1200
SALES REVENUE (LPG)	3269.	3269.	3269.	3269.	3269.	3269.	3269.
RATED CAPACITY (L/H NAPHTHA)	435600.	435600.	435600.	435600.	435600.	435600.	435600.
CAPACITY UTIL'N (L/H NAPHTHA)	0.800	0.800	0.800	0.800	0.800	0.800	0.800
PRODUCTION (VOLUME)	348480.	348480.	348480.	348480.	348480.	348480.	348480.
INC. IN INVENTORY (L/H NAPHTHA)	0.	0.	0.	0.	0.	0.	0.
SALES (VOLUME)	348480.	348480.	348480.	348480.	348480.	348480.	348480.
UNIT SALES PRICE (US\$/T)	0.1700	0.1700	0.1700	0.1700	0.1700	0.1700	0.1700
SALES REVENUE (L/H NAPHTHA)	59242.	59242.	59242.	59242.	59242.	59242.	59242.
RATED CAPACITY (KEROSENE)	1.	1.	1.	1.	1.	1.	1.
CAPACITY UTILIZATION (KEROSENE)	0.800	0.800	0.800	0.800	0.800	0.800	0.800
PRODUCTION (VOLUME)	1.	1.	1.	1.	1.	1.	1.
INC. IN INVENTORY (KEROSENE)	0.	0.	0.	0.	0.	0.	0.
SALES (VOLUME)	1.	1.	1.	1.	1.	1.	1.
UNIT SALES PRICE (US\$/T)	0.1900	0.1900	0.1900	0.1900	0.1900	0.1900	0.1900
SALES REVENUE (KEROSENE)	0.	0.	0.	0.	0.	0.	0.
RATED CAPACITY (GAS OIL)	742104.	742104.	742104.	742104.	742104.	742104.	742104.
CAPACITY UTILIZATION (GAS OIL)	0.800	0.800	0.800	0.800	0.800	0.800	0.800
PRODUCTION (VOLUME)	593683.	593683.	593683.	593683.	593683.	593683.	593683.
INCREASE IN INVENTORY (GAS OIL)	0.	0.	0.	0.	0.	0.	0.
SALES (VOLUME)	593683.	593683.	593683.	593683.	593683.	593683.	593683.
UNIT SALES PRICE (US\$/T)	0.1800	0.1800	0.1800	0.1800	0.1800	0.1800	0.1800
SALES REVENUE (GAS OIL)	106863.	106863.	106863.	106863.	106863.	106863.	106863.
RATED CAPACITY (V.G.O.)	664488.	664488.	664488.	664488.	664488.	664488.	664488.
CAPACITY UTILIZATION (V.G.O.)	0.800	0.800	0.800	0.800	0.800	0.800	0.800
PRODUCTION (VOLUME)	531590.	531590.	531590.	531590.	531590.	531590.	531590.
INCREASE IN INVENTORY (V.G.O.)	0.	0.	0.	0.	0.	0.	0.
SALES (VOLUME)	531590.	531590.	531590.	531590.	531590.	531590.	531590.
UNIT SALES PRICE (US\$/T)	0.1600	0.1600	0.1600	0.1600	0.1600	0.1600	0.1600
SALES REVENUE (V.G.O.)	85054.	85054.	85054.	85054.	85054.	85054.	85054.

*** CRUDE OIL DISTILLATION PROJECT IN POLAND ***

PRODUCTION AND SALES PLAN
 - WITH CASE (2.438.360 T/Y, C.U.:80%) - (US\$, 1.000)

YEAR	2007	2008	2009	2010	2011	2012	2013
RATED CAPACITY (F.O.(LS))	79200.	79200.	79200.	79200.	79200.	79200.	79200.
CAPACITY UTIL'N (F.O.(LS))	0.800	0.800	0.800	0.800	0.800	0.800	0.800
PRODUCTION (VOLUME)	63360.	63360.	63360.	63360.	63360.	63360.	63360.
INC. IN INVENTORY (F.O.(LS))	0.	0.	0.	0.	0.	0.	0.
SALES (VOLUME)	63360.	63360.	63360.	63360.	63360.	63360.	63360.
UNIT SALES PRICE (US\$/T)	0.0650	0.0650	0.0650	0.0650	0.0650	0.0650	0.0650
SALES REVENUE (F.O.(LS))	5386.	5386.	5386.	5386.	5386.	5386.	5386.
RATED CAPACITY (F.O.(HS))	478368.	478368.	478368.	478368.	478368.	478368.	478368.
CAPACITY UTILIZATION (F.O.(HS))	0.800	0.800	0.800	0.800	0.800	0.800	0.800
PRODUCTION (VOLUME)	382694.	382694.	382694.	382694.	382694.	382694.	382694.
INC. IN INVENTORY (F.O.(HS))	0.	0.	0.	0.	0.	0.	0.
SALES (VOLUME)	382694.	382694.	382694.	382694.	382694.	382694.	382694.
UNIT SALES PRICE (US\$/T)	0.0650	0.0650	0.0650	0.0650	0.0650	0.0650	0.0650
SALES REVENUE (F.O.(HS))	24875.	24875.	24875.	24875.	24875.	24875.	24875.
TOTAL SALES REVENUE	283155.	283155.	283155.	283155.	283155.	283155.	283155.

*** CRUDE OIL DISTILLATION PROJECT IN POLAND ***
 PRODUCTION COST STATEMENTS
 - WITH CASE (2,439,360 T.Y. C.U.:80%) - (US\$. 1,000)

YEAR	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
PRODUCTION (VOLUME)	0.	0.	4435.	4435.	4435.	4435.	4435.	4435.	4435.	4435.
RAW MATERIAL COST	0.	0.	253694.	253694.	253694.	253694.	253694.	253694.	253694.	253694.
CRUDE OIL	0.	0.	253694.	253694.	253694.	253694.	253694.	253694.	253694.	253694.
UTILITIES COST	0.	0.	5481.	5481.	5481.	5481.	5481.	5481.	5481.	5481.
ELECTRICITY	0.	0.	804.	804.	804.	804.	804.	804.	804.	804.
STEAM	0.	0.	1926.	1926.	1926.	1926.	1926.	1926.	1926.	1926.
COOLING WATER	0.	0.	532.	532.	532.	532.	532.	532.	532.	532.
FUEL GAS	0.	0.	1025.	1025.	1025.	1025.	1025.	1025.	1025.	1025.
FUEL OIL	0.	0.	1194.	1194.	1194.	1194.	1194.	1194.	1194.	1194.
VARIABLE COST	0.	0.	259175.	259175.	259175.	259175.	259175.	259175.	259175.	259175.
EMPLOYMENT COST	0.	0.	175.	175.	175.	175.	175.	175.	175.	175.
EMPLOYMENT COST	0.	0.	175.	175.	175.	175.	175.	175.	175.	175.
MAINTENANCE COST	0.	0.	517.	517.	517.	517.	517.	517.	517.	517.
MAINTENANCE COST	0.	0.	517.	517.	517.	517.	517.	517.	517.	517.
OVERHEAD COST	0.	0.	245.	245.	245.	245.	245.	245.	245.	245.
OVERHEAD COST	0.	0.	245.	245.	245.	245.	245.	245.	245.	245.
INSURANCE COST	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
INSURANCE COST	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LAND LEASE COST	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LAND LEASE COST	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DIRECT FIXED COST	0.	0.	936.	936.	936.	936.	936.	936.	936.	936.
DIRECT FIXED COST	0.	0.	936.	936.	936.	936.	936.	936.	936.	936.
CASH FACTORY COST	0.	0.	260111.	260111.	260111.	260111.	260111.	260111.	260111.	260111.
CASH FACTORY COST	0.	0.	260111.	260111.	260111.	260111.	260111.	260111.	260111.	260111.
DEPRECIABLE ASSETS	0.	0.	576.	576.	576.	576.	576.	576.	576.	576.
DEPRECIABLE ASSETS	0.	0.	576.	576.	576.	576.	576.	576.	576.	576.
PRE-OPERATIONAL EXPENSES	0.	0.	86.	86.	86.	86.	86.	86.	86.	86.
PRE-OPERATIONAL EXPENSES	0.	0.	86.	86.	86.	86.	86.	86.	86.	86.
INTEREST DRG CONST.	0.	0.	109.	109.	109.	109.	109.	109.	109.	109.
INTEREST DRG CONST.	0.	0.	109.	109.	109.	109.	109.	109.	109.	109.
DEPRECIATION AND AMORTIZATION	0.	0.	772.	772.	772.	772.	772.	772.	772.	772.
DEPRECIATION AND AMORTIZATION	0.	0.	772.	772.	772.	772.	772.	772.	772.	772.
TOTAL FACTORY COST	0.0	0.0	260883.	260883.	260883.	260883.	260883.	260883.	260883.	260883.
TOTAL FACTORY COST	0.0	0.0	260883.	260883.	260883.	260883.	260883.	260883.	260883.	260883.
UNIT FACTORY COST	0.0	0.0	0.1337	0.1337	0.1337	0.1337	0.1337	0.1336	0.1336	0.1336
UNIT FACTORY COST	0.0	0.0	0.1337	0.1337	0.1337	0.1337	0.1336	0.1336	0.1336	0.1336
SALES EXPENSES	0.	0.	1711.	1711.	1711.	1711.	1711.	1711.	1711.	1711.
SALES EXPENSES	0.	0.	1711.	1711.	1711.	1711.	1711.	1711.	1711.	1711.
GENERAL & ADMI. EXPENSES	0.	0.	1711.	1711.	1711.	1711.	1711.	1711.	1711.	1711.
GENERAL & ADMI. EXPENSES	0.	0.	1711.	1711.	1711.	1711.	1711.	1711.	1711.	1711.
OTHER EXPENSES	0.	0.	285.	285.	285.	285.	285.	285.	285.	285.
OTHER EXPENSES	0.	0.	285.	285.	285.	285.	285.	285.	285.	285.
GENERAL & ADMI. EXPENSES	0.	0.	1996.	1996.	1996.	1996.	1996.	1996.	1996.	1996.
GENERAL & ADMI. EXPENSES	0.	0.	1996.	1996.	1996.	1996.	1996.	1996.	1996.	1996.
INTEREST ON MIDDLE TERM DEBT	0.	0.	2397.	1917.	1436.	959.	479.	0.	0.	0.
INTEREST ON MIDDLE TERM DEBT	0.	0.	2397.	1917.	1436.	959.	479.	0.	0.	0.
INTEREST ON MIDDLE TERM DEBT	0.	0.	2397.	1917.	1436.	959.	479.	0.	0.	0.
INTEREST ON MIDDLE TERM DEBT	0.	0.	2397.	1917.	1436.	959.	479.	0.	0.	0.
INTEREST ON SHORT TERM DEBT	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
INTEREST ON SHORT TERM DEBT	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
OTHER NON-OPERATING EXPENSES	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
OTHER NON-OPERATING EXPENSES	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL PRODUCTION COST	0.0	0.0	269887.	266508.	265028.	265549.	265070.	264394.	264394.	264394.
TOTAL PRODUCTION COST	0.0	0.0	269887.	266508.	265028.	265549.	265070.	264394.	264394.	264394.
UNIT PRODUCTION COST	0.0	0.0	0.1368	0.1366	0.1363	0.1361	0.1358	0.1355	0.1355	0.1355
UNIT PRODUCTION COST	0.0	0.0	0.1368	0.1366	0.1363	0.1361	0.1358	0.1355	0.1355	0.1355

*** CRUDE OIL DISTILLATION PROJECT IN POLAND ***
 PRODUCTION COST STATEMENTS
 - WITH CASE (2-439,360 T/Y, C.U.:50%) - (US\$, 1,000)

YEAR	2007	2008	2009	2010	2011	2012	2013
PRODUCTION (VOLUME)	4435.	4435.	4435.	4435.	4435.	4435.	4435.
RAW MATERIAL COST	253694.	253694.	253694.	253694.	253694.	253694.	253694.
CRUDE OIL	253694.	253694.	253694.	253694.	253694.	253694.	253694.
UTILITIES COST	5481.	5481.	5481.	5481.	5481.	5481.	5481.
ELECTRICITY	804.	804.	804.	804.	804.	804.	804.
STEAM	1926.	1926.	1926.	1926.	1926.	1926.	1926.
COOLING WATER	532.	532.	532.	532.	532.	532.	532.
FUEL GAS	1025.	1025.	1025.	1025.	1025.	1025.	1025.
FUEL OIL	1194.	1194.	1194.	1194.	1194.	1194.	1194.
VARIABLE COST	259175.	259175.	259175.	259175.	259175.	259175.	259175.
EMPLOYMENT COST	175.	175.	175.	175.	175.	175.	175.
EMPLOYMENT COST	175.	175.	175.	175.	175.	175.	175.
MAINTENANCE COST	517.	517.	517.	517.	517.	517.	517.
MAINTENANCE COST	517.	517.	517.	517.	517.	517.	517.
OVERHEAD COST	245.	245.	245.	245.	245.	245.	245.
OVERHEAD COST	245.	245.	245.	245.	245.	245.	245.
INSURANCE COST	0.	0.	0.	0.	0.	0.	0.
INSURANCE COST	0.	0.	0.	0.	0.	0.	0.
LAND LEASE COST	0.	0.	0.	0.	0.	0.	0.
LAND LEASE COST	936.	936.	936.	936.	936.	936.	936.
DIRECT FIXED COST	936.	936.	936.	936.	936.	936.	936.
DIRECT FIXED COST	936.	936.	936.	936.	936.	936.	936.
CASH FACTORY COST	260111.	260111.	260111.	260111.	260111.	260111.	260111.
CASH FACTORY COST	260111.	260111.	260111.	260111.	260111.	260111.	260111.
DEPRECIABLE ASSETS	576.	576.	576.	576.	576.	576.	576.
DEPRECIABLE ASSETS	576.	576.	576.	576.	576.	576.	576.
PRE-OPERATIONAL EXPENSES	0.	0.	0.	0.	0.	0.	0.
PRE-OPERATIONAL EXPENSES	0.	0.	0.	0.	0.	0.	0.
INTEREST DRG CONST	0.	0.	0.	0.	0.	0.	0.
INTEREST DRG CONST	0.	0.	0.	0.	0.	0.	0.
DEPRECIATION AND AMORTIZATION	576.	576.	576.	576.	576.	576.	576.
DEPRECIATION AND AMORTIZATION	576.	576.	576.	576.	576.	576.	576.
TOTAL FACTORY COST	260687.	260687.	260687.	260687.	260687.	260687.	260687.
TOTAL FACTORY COST	260687.	260687.	260687.	260687.	260687.	260687.	260687.
UNIT FACTORY COST	0.1336	0.1336	0.1336	0.1336	0.1336	0.1336	0.1336
UNIT FACTORY COST	0.1336	0.1336	0.1336	0.1336	0.1336	0.1336	0.1336
SALES EXPENSES	1711.	1711.	1711.	1711.	1711.	1711.	1711.
SALES EXPENSES	1711.	1711.	1711.	1711.	1711.	1711.	1711.
GENERAL & ADMI. EXPENSES	1711.	1711.	1711.	1711.	1711.	1711.	1711.
GENERAL & ADMI. EXPENSES	1711.	1711.	1711.	1711.	1711.	1711.	1711.
OTHER EXPENSES	285.	285.	285.	285.	285.	285.	285.
OTHER EXPENSES	1996.	1996.	1996.	1996.	1996.	1996.	1996.
GENERAL & ADMI. EXPENSES	1996.	1996.	1996.	1996.	1996.	1996.	1996.
GENERAL & ADMI. EXPENSES	1996.	1996.	1996.	1996.	1996.	1996.	1996.
INTEREST ON MIDDLE TERM DEBT	0.	0.	0.	0.	0.	0.	0.
INTEREST ON MIDDLE TERM DEBT	0.	0.	0.	0.	0.	0.	0.
INTEREST ON MIDDLE TERM DEBT	0.	0.	0.	0.	0.	0.	0.
INTEREST ON MIDDLE TERM DEBT	0.	0.	0.	0.	0.	0.	0.
INTEREST ON SHORT TERM DEBT	0.	0.	0.	0.	0.	0.	0.
INTEREST ON SHORT TERM DEBT	0.	0.	0.	0.	0.	0.	0.
OTHER NON-OPERATING EXPENSES	0.	0.	0.	0.	0.	0.	0.
OTHER NON-OPERATING EXPENSES	0.	0.	0.	0.	0.	0.	0.
TOTAL PRODUCTION COST	264394.	264394.	264394.	264394.	264394.	264394.	264394.
TOTAL PRODUCTION COST	264394.	264394.	264394.	264394.	264394.	264394.	264394.
UNIT PRODUCTION COST	0.1355	0.1355	0.1355	0.1355	0.1355	0.1355	0.1355
UNIT PRODUCTION COST	0.1355	0.1355	0.1355	0.1355	0.1355	0.1355	0.1355

*** CRUDE OIL DISTILLATION PROJECT IN POLAND ***
 WORKING CAPITAL STATEMENTS
 - WITH CASE (2,439,360 T/Y, C.V.:60%) - (US\$, 1,000)

YEAR	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
CURRENT ASSETS	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
ACCOUNT RECEIVABLE	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
INVENTORIES	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
PRODUCT INVENTORY	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
MATERIAL INVENTORY	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
CASH IN HAND	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
CURRENT LIABILITIES W/O DEBT	0.	21346.	21346.	21346.	21346.	21346.	21346.	21346.	21346.	21346.
ACCOUNT PAYABLE	0.	21346.	21346.	21346.	21346.	21346.	21346.	21346.	21346.	21346.
CRUDE OIL	0.	21140.	21140.	21140.	21140.	21140.	21140.	21140.	21140.	21140.
ELECTRICITY	0.	11.	11.	11.	11.	11.	11.	11.	11.	11.
OTHERS	0.	195.	195.	195.	195.	195.	195.	195.	195.	195.
PERMANENT WORKING CAPITAL	0.	-21346.	-21346.	-21346.	-21346.	-21346.	-21346.	-21346.	-21346.	-21346.
CHANGE IN WORKING CAPITAL	0.	0.	-21346.	0.	0.	0.	0.	0.	0.	0.

*** CRUDE OIL DISTILLATION PROJECT IN POLAND ***
 WORKING CAPITAL STATEMENTS
 - WITH CASE (2,439,360 T/Y, C.U.:80%) - (US\$, 1,000)

YEAR	2007	2008	2009	2010	2011	2012	2013
CURRENT ASSETS	0.	0.	0.	0.	0.	0.	0.
ACCOUNT RECEIVABLE	0.	0.	0.	0.	0.	0.	0.
INVENTORIES	0.	0.	0.	0.	0.	0.	0.
PRODUCT INVENTORY	0.	0.	0.	0.	0.	0.	0.
MATERIAL INVENTORY	0.	0.	0.	0.	0.	0.	0.
CASH IN HAND	0.	0.	0.	0.	0.	0.	0.
CURRENT LIABILITIES W/O DEBT	21346.	21346.	21346.	21346.	21346.	21346.	21346.
ACCOUNT PAYABLE	21346.	21346.	21346.	21346.	21346.	21346.	21346.
CRUDE OIL	21140.	21140.	21140.	21140.	21140.	21140.	21140.
ELECTRICITY	11.	11.	11.	11.	11.	11.	11.
OTHERS	195.	195.	195.	195.	195.	195.	195.
PERMANENT WORKING CAPITAL	-21346.	-21346.	-21346.	-21346.	-21346.	-21346.	-21346.
CHANGE IN WORKING CAPITAL	0.	0.	0.	0.	0.	0.	0.

*** CRUDE OIL DISTILLATION PROJECT IN POLAND ***
 INCOME STATEMENTS
 - WITH CASE (2.439.360 T/Y, C.U.:80%) - (US\$. 1.000)

YEAR	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
OPERATING INCOME	0.	0.	285155.	285155.	285155.	285155.	285155.	285155.	285155.	285155.
TOTAL SALES REVENUE	0.	0.	285155.	285155.	285155.	285155.	285155.	285155.	285155.	285155.
COST OF SALES	0.	0.	260883.	260883.	260883.	260883.	260883.	260887.	260887.	260887.
VARIABLE COST	0.	0.	259175.	259175.	259175.	259175.	259175.	259175.	259175.	259175.
DIRECT FIXED COST	0.	0.	936.	936.	936.	936.	936.	936.	936.	936.
DEPRECIATION AND AMORTIZATION	0.	0.	772.	772.	772.	772.	576.	576.	576.	576.
INC. IN PRODUCT INVENTORY	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
GROSS PROFIT ON SALES	0.	0.	24272.	24272.	24272.	24272.	24468.	24468.	24468.	24468.
SALES EXPENSES	0.	0.	1711.	1711.	1711.	1711.	1711.	1711.	1711.	1711.
GENERAL & ADMI. EXPENSES	0.	0.	1996.	1996.	1996.	1996.	1996.	1996.	1996.	1996.
OPERATING PROFIT	0.	0.	20565.	20565.	20565.	20565.	20565.	20761.	20761.	20761.
NON-OPERATING EXPENSES	0.	0.	2397.	1917.	1438.	959.	479.	0.	0.	0.
INTEREST ON MIDDLE TERM DEBT	0.	0.	2397.	1917.	1438.	959.	479.	0.	0.	0.
INTEREST ON SHORT TERM DEBT	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
OTHER NON-OPERATING EXPENSES	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
NET PROFIT OR (LOSS) BEFORE TAX	0.	0.	18168.	18640.	19127.	19605.	20086.	20761.	20761.	20761.
INCOME TAX	0.	0.	7267.	7459.	7651.	7842.	8034.	8304.	8304.	8304.
NET PROFIT OR (LOSS) AFTER TAX	0.	0.	10901.	11189.	11476.	11764.	12051.	12456.	12456.	12456.
DIVIDENDS	0.	0.	545.	559.	574.	588.	603.	623.	623.	623.
RETAINED EARNINGS	0.	0.	10356.	10629.	10902.	11176.	11448.	11834.	11834.	11834.

*** CRUDE OIL DISTILLATION PROJECT IN POLAND ***
 - WITH CASE (2,439,360 T/Y, C.U.:80%) - (US\$, 1,000)

YEAR	2007	2008	2009	2010	2011	2012	2013
OPERATING INCOME	285155.	285155.	285155.	285155.	285155.	285155.	285155.
TOTAL SALES REVENUE	285155.	285155.	285155.	285155.	285155.	285155.	285155.
COST OF SALES	260687.	260687.	260687.	260687.	260687.	260687.	260687.
VARIABLE COST	259175.	259175.	259175.	259175.	259175.	259175.	259175.
DIRECT FIXED COST	936.	936.	936.	936.	936.	936.	936.
DEPRECIATION AND AMORTIZATION	576.	576.	576.	576.	576.	576.	576.
INC. IN PRODUCT INVENTORY	0.	0.	0.	0.	0.	0.	0.
GROSS PROFIT ON SALES	24468.	24468.	24468.	24468.	24468.	24468.	24468.
SALES EXPENSES	1711.	1711.	1711.	1711.	1711.	1711.	1711.
GENERAL & ADMI. EXPENSES	1996.	1996.	1996.	1996.	1996.	1996.	1996.
OPERATING PROFIT	20761.	20761.	20761.	20761.	20761.	20761.	20761.
NON-OPERATING EXPENSES	0.	0.	0.	0.	0.	0.	0.
INTEREST ON MIDDLE TERM DEBT	0.	0.	0.	0.	0.	0.	0.
INTEREST ON SHORT TERM DEBT	0.	0.	0.	0.	0.	0.	0.
OTHER NON-OPERATING EXPENSES	0.	0.	0.	0.	0.	0.	0.
NET PROFIT OR (LOSS) BEFORE TAX	20761.	20761.	20761.	20761.	20761.	20761.	20761.
INCOME TAX	3304.	3304.	3304.	3304.	3304.	3304.	3304.
NET PROFIT OR (LOSS) AFTER TAX	12456.	12456.	12456.	12456.	12456.	12456.	12456.
DIVIDENDS	623.	623.	623.	623.	623.	623.	623.
RETAINED EARNINGS	11834.	11834.	11834.	11834.	11834.	11834.	11834.

*** CRUDE OIL DISTILLATION PROJECT IN POLAND ***
 FUNDS FLOW STATEMENTS
 - WITH CASE (2,439,360 T/Y, C.U.:80%) - (USS, 1,000)

SOURCE OF FUNDS	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
CASH GENERATED FROM OPERATION	15339.	23008.	14070.	13878.	13656.	13494.	13303.	13033.	13033.	13033.
PROFIT AFT. TAX, BFR INT.	0.	0.	14070.	13878.	13656.	13494.	13303.	13033.	13033.	13033.
DEPRECIATION AND AMORTIZATION	0.	0.	13298.	13106.	12914.	12722.	12531.	12456.	12456.	12456.
FINANCIAL RESOURCES	15339.	23008.	772.	772.	772.	772.	772.	576.	576.	576.
SHARE CAPITAL	7669.	11504.	0.	0.	0.	0.	0.	0.	0.	0.
MIDDLE TERM DEBT	7669.	11504.	0.	0.	0.	0.	0.	0.	0.	0.
SHORT TERM DEBT	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
USES OF FUNDS	3849.	5773.	-14570.	6311.	5847.	5302.	4917.	623.	623.	623.
FIXED CAPITAL EXPENDITURE	3849.	5773.	0.	0.	0.	0.	0.	0.	0.	0.
NON-DEPRECIABLE ASSETS	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEPRECIABLE FIXED ASSETS	3630.	5445.	0.	0.	0.	0.	0.	0.	0.	0.
INTEREST DURING CONSTRUCTION	219.	328.	0.	0.	0.	0.	0.	0.	0.	0.
CHANGE IN WORKING CAPITAL	0.	0.	-21346.	0.	0.	0.	0.	0.	0.	0.
DEBT SERVICES	0.	0.	6231.	5752.	5273.	4783.	4314.	0.	0.	0.
REPAYMENT OF MIDDLE TERM DEBT	0.	0.	3835.	3835.	3835.	3835.	3835.	0.	0.	0.
REPAYMENT OF SHORT TERM DEBT	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
INTEREST ON MIDDLE TERM DEBT	0.	0.	2397.	1917.	1438.	959.	478.	0.	0.	0.
INTEREST ON SHORT TERM DEBT	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DIVIDENDS	0.	0.	545.	559.	574.	588.	603.	623.	623.	623.
CASH INCREASE OR (DECREASE)	11490.	17235.	28639.	7566.	7640.	8113.	8386.	12410.	12410.	12410.
BEGINNING CASH BALANCE	0.	11490.	28725.	57365.	64931.	72771.	80884.	89270.	101679.	114089.
ENDING CASH BALANCE	11490.	28725.	57365.	64931.	72771.	80884.	89270.	101679.	114089.	126499.

*** CRUDE OIL DISTILLATION PROJECT IN POLAND ***
 FUNDS FLOW STATEMENTS
 - WITH CASE (2,439,360 T.Y. C.U.:80X) - (US\$. 1,000)

YEAR	2007	2008	2009	2010	2011	2012	2013
SOURCE OF FUNDS	13033.	13033.	13033.	13033.	13033.	13033.	13033.
CASH GENERATED FROM OPERATION	13033.	13033.	13033.	13033.	13033.	13033.	13033.
PROFIT AFT. TAX, BFR INT.	12456.	12456.	12456.	12456.	12456.	12456.	12456.
DEPRECIATION AND AMORTIZATION	576.	576.	576.	576.	576.	576.	576.
FINANCIAL RESOURCES	0.	0.	0.	0.	0.	0.	0.
SHARE CAPITAL	0.	0.	0.	0.	0.	0.	0.
MIDDLE TERM DEBT	0.	0.	0.	0.	0.	0.	0.
SHORT TERM DEBT	0.	0.	0.	0.	0.	0.	0.
USES OF FUNDS	623.	623.	623.	623.	623.	623.	623.
FIXED CAPITAL EXPENDITURE	0.	0.	0.	0.	0.	0.	0.
NON-DEPRECIABLE ASSETS	0.	0.	0.	0.	0.	0.	0.
DEPRECIABLE FIXED ASSETS	0.	0.	0.	0.	0.	0.	0.
INTEREST DURING CONSTRUCTION	0.	0.	0.	0.	0.	0.	0.
CHANGE IN WORKING CAPITAL	0.	0.	0.	0.	0.	0.	0.
DEBT SERVICES	0.	0.	0.	0.	0.	0.	0.
REPAYMENT OF MIDDLE TERM DEBT	0.	0.	0.	0.	0.	0.	0.
REPAYMENT OF SHORT TERM DEBT	0.	0.	0.	0.	0.	0.	0.
INTEREST ON MIDDLE TERM DEBT	0.	0.	0.	0.	0.	0.	0.
INTEREST ON SHORT TERM DEBT	0.	0.	0.	0.	0.	0.	0.
DIVIDENDS	623.	623.	623.	623.	623.	623.	623.
CASH INCREASE OR (DECREASE)	12410.	12410.	12410.	12410.	12410.	12410.	12410.
BEGINNING CASH BALANCE	126499.	138909.	151318.	163728.	176138.	188548.	200957.
ENDING CASH BALANCE	138909.	151318.	163728.	176138.	188548.	200957.	213367.

*** CRUDE OIL DISTILLATION PROJECT IN POLAND ***
 BALANCE SHEET
 - WITH CASE (2.439.360 T/Y, C.U.:80%) - (US\$, 1.000)

YEAR	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
ASSETS	15339.	36347.	66214.	73009.	80076.	87417.	95031.	106665.	116696.	130532.
CURRENT ASSETS	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
CASH IN HAND	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
ACCOUNT RECEIVABLE	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
INVENTORIES	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
ACC. EXCESS CASH	11490.	26725.	57365.	64931.	72771.	80834.	89270.	101679.	114069.	126499.
NET FIXED ASSETS	3649.	9622.	8650.	8076.	7306.	6534.	6762.	5186.	4609.	4033.
INVESTMENT	3649.	9622.	9622.	9622.	9622.	9622.	9622.	9622.	9622.	9622.
NON-DEPR. ASSETS	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEPRECIABLE ASSETS	3630.	9075.	9075.	9075.	9075.	9075.	9075.	9075.	9075.	9075.
AMORTIZATION	219.	547.	547.	547.	547.	547.	547.	547.	547.	547.
LESS: ACC. DEPRECIATION	0.	0.	772.	1544.	2316.	3088.	3660.	4436.	5012.	5569.
LIABILITIES	7669.	19173.	36685.	32850.	29016.	25181.	21346.	21346.	21346.	21346.
CURRENT LIABILITIES	0.	3635.	25181.	25181.	25181.	25181.	21346.	21346.	21346.	21346.
ACCOUNT PAYABLE	0.	0.	21346.	21346.	21346.	21346.	21346.	21346.	21346.	21346.
CURRENT PORTION OF M/T DEBT	0.	3635.	3635.	3635.	3635.	3635.	0.	0.	0.	0.
SHORT TERM DEBT	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
FIXED LIABILITIES	7669.	15339.	11504.	7669.	3635.	0.	0.	0.	0.	0.
MIDDLE TERM DEBT BALANCE	7669.	15339.	11504.	7669.	3635.	0.	0.	0.	0.	0.
OTHER FIXED LIABILITIES	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
STOCK HOLDERS EQUITY	7669.	19173.	29529.	40158.	51061.	62236.	73685.	85519.	97852.	109166.
SHARE CAPITAL	7669.	19173.	19173.	19173.	19173.	19173.	19173.	19173.	19173.	19173.
ACC. RETAINED EARNINGS	0.	0.	10356.	20985.	31887.	43063.	54512.	66345.	78179.	90012.
LIABILITIES & S/H EQUITY	15339.	36347.	66214.	73009.	80076.	87417.	95031.	106665.	116696.	130532.

*** CRUDE OIL DISTILLATION PROJECT IN POLAND ***
 BALANCE SHEET
 - WITH CASE (2,439,360 T/Y, C.U.:60%) - (US\$. 1,000)

YEAR	2007	2008	2009	2010	2011	2012	2013
ASSETS	142366.	154199.	166033.	177866.	189700.	201534.	213367.
CURRENT ASSETS	0.	0.	0.	0.	0.	0.	0.
CASH IN HAND	0.	0.	0.	0.	0.	0.	0.
ACCOUNT RECEIVABLE	0.	0.	0.	0.	0.	0.	0.
INVENTORIES	0.	0.	0.	0.	0.	0.	0.
ACC. EXCESS CASH	138909.	151318.	163728.	176138.	188548.	200957.	213367.
NET FIXED ASSETS	3457.	2881.	2305.	1728.	1152.	576.	0.
INVESTMENT	9622.	9622.	9622.	9622.	9622.	9622.	9622.
NON-DEPR. ASSETS	0.	0.	0.	0.	0.	0.	0.
DEPRECIABLE ASSETS	9075.	9075.	9075.	9075.	9075.	9075.	9075.
AMORTIZATION	547.	547.	547.	547.	547.	547.	547.
LESS: ACC. DEPRECIATION	6165.	6741.	7317.	7893.	8469.	9046.	9622.
LIABILITIES	21346.	21346.	21346.	21346.	21346.	21346.	21346.
CURRENT LIABILITIES	21346.	21346.	21346.	21346.	21346.	21346.	21346.
ACCOUNT PAYABLE	21346.	21346.	21346.	21346.	21346.	21346.	21346.
CURRENT PORTION OF M/T DEBT	0.	0.	0.	0.	0.	0.	0.
SHORT TERM DEBT	0.	0.	0.	0.	0.	0.	0.
FIXED LIABILITIES	0.	0.	0.	0.	0.	0.	0.
MIDDLE TERM DEBT BALANCE	0.	0.	0.	0.	0.	0.	0.
OTHER FIXED LIABILITIES	0.	0.	0.	0.	0.	0.	0.
STOCK HOLDERS EQUITY	121019.	132853.	144687.	156520.	168354.	180187.	192021.
SHARE CAPITAL	19173.	19173.	19173.	19173.	19173.	19173.	19173.
ACC. RETAINED EARNINGS	101846.	113679.	125513.	137347.	149180.	161014.	172847.
LIABILITIES & S/H EQUITY	142366.	154199.	166033.	177866.	189700.	201534.	213367.

*** CRUDE OIL DISTILLATION PROJECT IN POLAND ***
 MIDDLE TERM DEBT
 - WITH CASE (2,439,360 T/Y, C.U.:50%) - (US\$, 1,000)

YEAR	SER. NO	PRINCIPAL	INTEREST	DEBT SERVICE	BALANCE AFT. PAYMENT
1997	1	0.	0.	0.	7669.
1998	2	0.	0.	0.	19173.
1999	3	3635.	2397.	6231.	15339.
2000	4	3635.	1917.	5752.	11504.
2001	5	3635.	1438.	5273.	7669.
2002	6	3635.	959.	4793.	3836.
2003	7	3635.	479.	4314.	0.
2004	8	0.	0.	0.	0.
2005	9	0.	0.	0.	0.
2006	10	0.	0.	0.	0.
2007	11	0.	0.	0.	0.
2008	12	0.	0.	0.	0.
2009	13	0.	0.	0.	0.
2010	14	0.	0.	0.	0.
2011	15	0.	0.	0.	0.
2012	16	0.	0.	0.	0.
2013	17	0.	0.	0.	0.
TOTAL		19173.	7190.	26364.	0.

*** CRUDE OIL DISTILLATION PROJECT IN POLAND ***
 PROFITABILITY AND FINANCIAL INDICATORS
 - WITH CASE (2,439,360 T/Y, C.U.:80%) - (US\$, 1,000)

YEAR	(1) AFT TAX PROFIT -TO- SALES REV S/H EQUITY (PCT)	(2) AFT TAX PROFIT -TO- S/H EQUITY (PCT)	(3) BFR TAX PROFIT -TO- INVESTMENT S/CAPITAL (PCT)	(4) AFT TAX PROFIT -TO- CAPITAL (PCT)	(5) CURRENT RATIO	(6) QUICK RATIO	(7) DEBT SERVICE RATIO	(8) L/T DEBT -TO- S/H EQUITY	(9)* PROFIT S.E.P. CAPACITY UTILIZE (PCT)	(10)* CASH B.E.P. SALES PRICE (PRICE)	(11)* CASH B.E.P. CAPACITY UTILIZE (PCT)
1999	3.8	36.9	188.8	56.9	0.0	0.0	2.26	28 / 72	24.1	61348.2	39.8
2000	3.9	27.9	193.8	56.4	0.0	0.0	2.41	16 / 84	22.6	61240.1	39.3
2001	4.0	22.5	198.8	59.9	0.0	0.0	2.60	7 / 93	21.1	61132.0	36.8
2002	4.1	18.9	203.8	61.4	0.0	0.0	2.82	0 / 100	19.6	61023.9	35.3
2003	4.2	16.4	208.8	62.9	0.0	0.0	3.08	0 / 100	18.2	60915.9	33.9
2004	4.4	14.6	215.8	65.0	0.0	0.0	*****	0 / 100	16.1	59482.8	14.3
2005	4.4	12.8	215.8	65.0	0.0	0.0	*****	0 / 100	16.1	59482.8	14.3
2006	4.4	11.4	215.8	65.0	0.0	0.0	*****	0 / 100	16.1	59482.8	14.3
2007	4.4	10.3	215.8	65.0	0.0	0.0	*****	0 / 100	16.1	59482.8	14.3
2008	4.4	9.4	215.8	65.0	0.0	0.0	*****	0 / 100	16.1	59482.8	14.3
2009	4.4	8.6	215.8	65.0	0.0	0.0	*****	0 / 100	16.1	59482.8	14.3
2010	4.4	8.0	215.8	65.0	0.0	0.0	*****	0 / 100	16.1	59482.8	14.3
2011	4.4	7.4	215.8	65.0	0.0	0.0	*****	0 / 100	16.1	59482.8	14.3
2012	4.4	6.9	215.8	65.0	0.0	0.0	*****	0 / 100	16.1	59482.8	14.3
2013	4.4	6.5	215.8	65.0	0.0	0.0	*****	0 / 100	16.1	59482.8	14.3
AVERAGE1	4.3	14.6	210.1	63.3	0.0	0.0	*****	3 / 97	17.7	60032.5	21.8
AVERAGE2	4.3	10.9	192.2	57.9	0.0	0.0	7.54	3 / 97			

(AVERAGE1) : SUM OF ANNUAL FIGURES OF PERCENTAGE AND RATIO IS DIVIDED BY NO. OF YEARS (SIMPLE AVERAGE)
 (AVERAGE2) : AVERAGE FIGURES ARE CALCULATED BY ACTUAL VALUES ACCUMULATED OVER THE PROJECT LIFE (WEIGHTED AVERAGE)

* NOTE FOR (9),(10),(11)
 WHEN THERE ARE TWO OR MORE PRODUCTS, AND DURING THE YEARS WHEN ALL OF PRODUCTS ARE NOT PRODUCED AT THE SAME RATE
 OF CAPACITY UTILIZATION, ABOVE BREAK-EVEN-POINTS CANNOT GIVE CORRECT FIGURES.

*** CRUDE OIL DISTILLATION PROJECT IN POLAND ***
 RETURN ON INVESTMENT (IN '94 FIXED PRICE)
 WITH CASE (2,439,360 T/Y, C.U.:80%) - (USS, 1,000)

YEAR	FIXED CAPITAL EXPEND.	CHANGE IN WORKING CAPITAL	(1) GROSS CAPITAL EXPENDTR	OPERATING DEPRECIATN	(2) GROSS CASH IN-FLOW	(3) INCOME TAX	(4) BFR-TAX NET IN-FLOW	(5) AFT-TAX NET IN-FLOW
1997	3630.	0.	3630.	0.	0.	0.	-3630.	-3630.
1998	5445.	0.	5445.	0.	0.	0.	-5445.	-5445.
1999	0.	-21346.	-21346.	0.	21337.	7267.	42683.	35416.
2000	0.	0.	0.	20565.	21337.	7459.	21337.	13676.
2001	0.	0.	0.	20565.	21337.	7651.	21337.	13686.
2002	0.	0.	0.	20565.	21337.	7842.	21337.	13494.
2003	0.	0.	0.	20565.	21337.	8034.	21337.	13303.
2004	0.	0.	0.	20761.	21337.	8304.	21337.	13033.
2005	0.	0.	0.	20761.	21337.	8304.	21337.	13033.
2006	0.	0.	0.	20761.	21337.	8304.	21337.	13033.
2007	0.	0.	0.	20761.	21337.	8304.	21337.	13033.
2008	0.	0.	0.	20761.	21337.	8304.	21337.	13033.
2009	0.	0.	0.	20761.	21337.	8304.	21337.	13033.
2010	0.	0.	0.	20761.	21337.	8304.	21337.	13033.
2011	0.	0.	0.	20761.	21337.	8304.	21337.	13033.
2012	0.	0.	0.	20761.	21337.	8304.	21337.	13033.
2013	0.	21346.	21346.	20761.	21337.	8304.	21337.	-8314.
	9075.	0.	9075.	310430.	320052.	121296.	310978.	189682.

INTERNAL RATE OF RETURN

ON (4) BFR-TAX NET IN-FLOW (2)-(1)***** PER CENT

ON (5) AFT-TAX NET IN-FLOW (4)-(3) 177.67 PER CENT

*** CRUDE OIL DISTILLATION PROJECT IN POLAND ***
 - W/O CASE (2.439.360 T/Y, C.U.:80%) - (US\$, 1.000)

YEAR	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
RATED CAPACITY (FUEL GAS)	0.0	0.0	0.0	9504.0	9504.0	9504.0	9504.0	9504.0	9504.0	9504.0
CAPACITY UTILIZATION (FUEL GAS)	0.0	0.0	0.0	0.800	0.800	0.800	0.800	0.800	0.800	0.800
PRODUCTION (VOLUME)	0.0	0.0	0.0	7603.0	7603.0	7603.0	7603.0	7603.0	7603.0	7603.0
INCREASE IN INVENTORY (FUEL GAS)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SALES (VOLUME)	0.0	0.0	0.0	7603.0	7603.0	7603.0	7603.0	7603.0	7603.0	7603.0
UNIT SALES PRICE (US\$/T)	0.0	0.0	0.0	0.1050	0.1050	0.1050	0.1050	0.1050	0.1050	0.1050
SALES REVENUE (FUEL GAS)	0.0	0.0	0.0	798.0	798.0	798.0	798.0	798.0	798.0	798.0
RATED CAPACITY (LPG)	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
CAPACITY UTILIZATION (LPG)	0.0	0.0	0.0	0.800	0.800	0.800	0.800	0.800	0.800	0.800
PRODUCTION (VOLUME)	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
INCREASE IN INVENTORY (LPG)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SALES (VOLUME)	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
UNIT SALES PRICE (US\$/T)	0.0	0.0	0.0	0.1200	0.1200	0.1200	0.1200	0.1200	0.1200	0.1200
SALES REVENUE (LPG)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RATED CAPACITY (L/H NAPHTHA)	0.0	0.0	0.0	471240.0	471240.0	471240.0	471240.0	471240.0	471240.0	471240.0
CAPACITY UTILIZATION (L/H NAPHTHA)	0.0	0.0	0.0	0.800	0.800	0.800	0.800	0.800	0.800	0.800
PRODUCTION (VOLUME)	0.0	0.0	0.0	376992.0	376992.0	376992.0	376992.0	376992.0	376992.0	376992.0
INC. IN INVENTORY (L/H NAPHTHA)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SALES (VOLUME)	0.0	0.0	0.0	376992.0	376992.0	376992.0	376992.0	376992.0	376992.0	376992.0
UNIT SALES PRICE (US\$/T)	0.0	0.0	0.0	0.1700	0.1700	0.1700	0.1700	0.1700	0.1700	0.1700
SALES REVENUE (L/H NAPHTHA)	0.0	0.0	0.0	64089.0	64089.0	64089.0	64089.0	64089.0	64089.0	64089.0
RATED CAPACITY (KEROSENE)	0.0	0.0	0.0	162360.0	162360.0	162360.0	162360.0	162360.0	162360.0	162360.0
CAPACITY UTILIZATION (KEROSENE)	0.0	0.0	0.0	0.800	0.800	0.800	0.800	0.800	0.800	0.800
PRODUCTION (VOLUME)	0.0	0.0	0.0	129888.0	129888.0	129888.0	129888.0	129888.0	129888.0	129888.0
INC. IN INVENTORY (KEROSENE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SALES (VOLUME)	0.0	0.0	0.0	129888.0	129888.0	129888.0	129888.0	129888.0	129888.0	129888.0
UNIT SALES PRICE (US\$/T)	0.0	0.0	0.0	0.1900	0.1900	0.1900	0.1900	0.1900	0.1900	0.1900
SALES REVENUE (KEROSENE)	0.0	0.0	0.0	24679.0	24679.0	24679.0	24679.0	24679.0	24679.0	24679.0
RATED CAPACITY (GAS OIL)	0.0	0.0	0.0	496584.0	496584.0	496584.0	496584.0	496584.0	496584.0	496584.0
CAPACITY UTILIZATION (GAS OIL)	0.0	0.0	0.0	0.800	0.800	0.800	0.800	0.800	0.800	0.800
PRODUCTION (VOLUME)	0.0	0.0	0.0	397267.0	397267.0	397267.0	397267.0	397267.0	397267.0	397267.0
INCREASE IN INVENTORY (GAS OIL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SALES (VOLUME)	0.0	0.0	0.0	397267.0	397267.0	397267.0	397267.0	397267.0	397267.0	397267.0
UNIT SALES PRICE (US\$/T)	0.0	0.0	0.0	0.1800	0.1800	0.1800	0.1800	0.1800	0.1800	0.1800
SALES REVENUE (GAS OIL)	0.0	0.0	0.0	71508.0	71508.0	71508.0	71508.0	71508.0	71508.0	71508.0
RATED CAPACITY (V.G.O.)	0.0	0.0	0.0	683496.0	683496.0	683496.0	683496.0	683496.0	683496.0	683496.0
CAPACITY UTILIZATION (V.G.O.)	0.0	0.0	0.0	0.800	0.800	0.800	0.800	0.800	0.800	0.800
PRODUCTION (VOLUME)	0.0	0.0	0.0	546797.0	546797.0	546797.0	546797.0	546797.0	546797.0	546797.0
INCREASE IN INVENTORY (V.G.O.)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SALES (VOLUME)	0.0	0.0	0.0	546797.0	546797.0	546797.0	546797.0	546797.0	546797.0	546797.0
UNIT SALES PRICE (US\$/T)	0.0	0.0	0.0	0.1600	0.1600	0.1600	0.1600	0.1600	0.1600	0.1600
SALES REVENUE (V.G.O.)	0.0	0.0	0.0	87488.0	87488.0	87488.0	87488.0	87488.0	87488.0	87488.0

*** CRUDE OIL DISTILLATION PROJECT IN POLAND ***
 - W/O CASE (2,439,360 T/Y, C.U.:80%) - (US\$, 1,000)

YEAR	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
RATED CAPACITY (F.O.(LS))	0.	0.	84744.	84744.	84744.	84744.	84744.	84744.	84744.	84744.
CAPACITY UTIL'N (F.O.(LS))	0.0	0.0	0.800	0.800	0.800	0.800	0.800	0.800	0.800	0.800
PRODUCTION (VOLUME)	0.	0.	67795.	67795.	67795.	67795.	67795.	67795.	67795.	67795.
INC. IN INVENTORY (F.O.(LS))	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
SALES (VOLUME)	0.0	0.0	67795.	67795.	67795.	67795.	67795.	67795.	67795.	67795.
UNIT SALES PRICE (US\$/T)	0.0	0.0	0.0850	0.0850	0.0850	0.0850	0.0850	0.0850	0.0850	0.0850
SALES REVENUE (F.O.(LS))	0.	0.	5763.	5763.	5763.	5763.	5763.	5763.	5763.	5763.
RATED CAPACITY (F.O.(HS))	0.	0.	531432.	531432.	531432.	531432.	531432.	531432.	531432.	531432.
CAPACITY UTILIZATION (F.O.(HS))	0.0	0.0	0.800	0.800	0.800	0.800	0.800	0.800	0.800	0.800
PRODUCTION (VOLUME)	0.	0.	425146.	425146.	425146.	425146.	425146.	425146.	425146.	425146.
INC. IN INVENTORY (F.O.(HS))	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
SALES (VOLUME)	0.0	0.0	425146.	425146.	425146.	425146.	425146.	425146.	425146.	425146.
UNIT SALES PRICE (US\$/T)	0.0	0.0	0.0650	0.0650	0.0650	0.0650	0.0650	0.0650	0.0650	0.0650
SALES REVENUE (F.O.(HS))	0.	0.	27634.	27634.	27634.	27634.	27634.	27634.	27634.	27634.
TOTAL SALES REVENUE	0.	0.	281958.	281958.	281958.	281958.	281958.	281958.	281958.	281958.

*** CRUDE OIL DISTILLATION PROJECT IN POLAND ***
 PRODUCTION AND SALES PLAN
 - W/O CASE (2,439,360 T/Y, C.U.:80%) - (US\$, 1,000)

YEAR	2007	2008	2009	2010	2011	2012	2013
RATED CAPACITY (FUEL GAS)	9504.	9504.	9504.	9504.	9504.	9504.	9504.
CAPACITY UTILIZATION (FUEL GAS)	0.800	0.800	0.800	0.800	0.800	0.800	0.800
PRODUCTION (VOLUME)	7603.	7603.	7603.	7603.	7603.	7603.	7603.
INCREASE IN INVENTORY (FUEL GAS)	0.	0.	0.	0.	0.	0.	0.
SALES (VOLUME)	7603.	7603.	7603.	7603.	7603.	7603.	7603.
UNIT SALES PRICE (US\$/T)	0.1050	0.1050	0.1050	0.1050	0.1050	0.1050	0.1050
SALES REVENUE (FUEL GAS)	798.	798.	798.	798.	798.	798.	798.
RATED CAPACITY (LPG)	1.	1.	1.	1.	1.	1.	1.
CAPACITY UTILIZATION (LPG)	0.800	0.800	0.800	0.800	0.800	0.800	0.800
PRODUCTION (VOLUME)	1.	1.	1.	1.	1.	1.	1.
INCREASE IN INVENTORY (LPG)	0.	0.	0.	0.	0.	0.	0.
SALES (VOLUME)	1.	1.	1.	1.	1.	1.	1.
UNIT SALES PRICE (US\$/T)	0.1200	0.1200	0.1200	0.1200	0.1200	0.1200	0.1200
SALES REVENUE (LPG)	0.	0.	0.	0.	0.	0.	0.
RATED CAPACITY (L/H NAPHTHA)	471240.	471240.	471240.	471240.	471240.	471240.	471240.
CAPACITY UTIL'N (L/H NAPHTHA)	0.800	0.800	0.800	0.800	0.800	0.800	0.800
PRODUCTION (VOLUME)	376992.	376992.	376992.	376992.	376992.	376992.	376992.
INC. IN INVENTORY (L/H NAPHTHA)	0.	0.	0.	0.	0.	0.	0.
SALES (VOLUME)	376992.	376992.	376992.	376992.	376992.	376992.	376992.
UNIT SALES PRICE (US\$/T)	0.1700	0.1700	0.1700	0.1700	0.1700	0.1700	0.1700
SALES REVENUE (L/H NAPHTHA)	64089.	64089.	64089.	64089.	64089.	64089.	64089.
RATED CAPACITY (KEROSENE)	162360.	162360.	162360.	162360.	162360.	162360.	162360.
CAPACITY UTILIZATION (KEROSENE)	0.800	0.800	0.800	0.800	0.800	0.800	0.800
PRODUCTION (VOLUME)	129888.	129888.	129888.	129888.	129888.	129888.	129888.
INC. IN INVENTORY (KEROSENE)	0.	0.	0.	0.	0.	0.	0.
SALES (VOLUME)	129888.	129888.	129888.	129888.	129888.	129888.	129888.
UNIT SALES PRICE (US\$/T)	0.1900	0.1900	0.1900	0.1900	0.1900	0.1900	0.1900
SALES REVENUE (KEROSENE)	24679.	24679.	24679.	24679.	24679.	24679.	24679.
RATED CAPACITY (GAS OIL)	496584.	496584.	496584.	496584.	496584.	496584.	496584.
CAPACITY UTILIZATION (GAS OIL)	0.800	0.800	0.800	0.800	0.800	0.800	0.800
PRODUCTION (VOLUME)	397267.	397267.	397267.	397267.	397267.	397267.	397267.
INCREASE IN INVENTORY (GAS OIL)	0.	0.	0.	0.	0.	0.	0.
SALES (VOLUME)	397267.	397267.	397267.	397267.	397267.	397267.	397267.
UNIT SALES PRICE (US\$/T)	0.1800	0.1800	0.1800	0.1800	0.1800	0.1800	0.1800
SALES REVENUE (GAS OIL)	71508.	71508.	71508.	71508.	71508.	71508.	71508.
RATED CAPACITY (V.G.O.)	683496.	683496.	683496.	683496.	683496.	683496.	683496.
CAPACITY UTILIZATION (V.G.O.)	0.800	0.800	0.800	0.800	0.800	0.800	0.800
PRODUCTION (VOLUME)	546797.	546797.	546797.	546797.	546797.	546797.	546797.
INCREASE IN INVENTORY (V.G.O.)	0.	0.	0.	0.	0.	0.	0.
SALES (VOLUME)	546797.	546797.	546797.	546797.	546797.	546797.	546797.
UNIT SALES PRICE (US\$/T)	0.1600	0.1600	0.1600	0.1600	0.1600	0.1600	0.1600
SALES REVENUE (V.G.O.)	87488.	87488.	87488.	87488.	87488.	87488.	87488.

*** CRUDE OIL DISTILLATION PROJECT IN POLAND ***
 PRODUCTION AND SALES PLAN
 - W/O CASE (2.439.360 T/Y. C.U.:80%) - (US\$, 1.000)

YEAR	2007	2008	2009	2010	2011	2012	2013
RATED CAPACITY (F.O. (LS))	34744.	34744.	34744.	34744.	34744.	34744.	34744.
CAPACITY UTIL'N (F.O. (LS))	0.800	0.800	0.800	0.800	0.800	0.800	0.800
PRODUCTION (VOLUME)	67795.	67795.	67795.	67795.	67795.	67795.	67795.
INC. IN INVENTORY (F.O. (LS))	0.	0.	0.	0.	0.	0.	0.
SALES (VOLUME)	67795.	67795.	67795.	67795.	67795.	67795.	67795.
UNIT SALES PRICE (US\$/T)	0.0650	0.0650	0.0650	0.0650	0.0650	0.0650	0.0650
SALES REVENUE (F.O. (LS))	5763.	5763.	5763.	5763.	5763.	5763.	5763.
RATED CAPACITY (F.O. (HS))	531432.	531432.	531432.	531432.	531432.	531432.	531432.
CAPACITY UTILIZATION (F.O. (HS))	0.800	0.800	0.800	0.800	0.800	0.800	0.800
PRODUCTION (VOLUME)	425146.	425146.	425146.	425146.	425146.	425146.	425146.
INC. IN INVENTORY (F.O. (HS))	0.	0.	0.	0.	0.	0.	0.
SALES (VOLUME)	425146.	425146.	425146.	425146.	425146.	425146.	425146.
UNIT SALES PRICE (US\$/T)	0.0650	0.0650	0.0650	0.0650	0.0650	0.0650	0.0650
SALES REVENUE (F.O. (HS))	27634.	27634.	27634.	27634.	27634.	27634.	27634.
TOTAL SALES REVENUE	281956.	281956.	281956.	281956.	281956.	281956.	281956.

*** CRUDE OIL DISTILLATION PROJECT IN POLAND ***
 PRODUCTION COST STATEMENTS
 - W/O CASE (2.439.360 T/Y, C.U.:50%) - (US\$, 1.000)

YEAR	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
PRODUCTION (VOLUME)	0.	0.	7603.	7603.	7603.	7603.	7603.	7603.	7603.	7603.
RAW MATERIAL COST	0.	0.	253694.	253694.	253694.	253694.	253694.	253694.	253694.	253694.
CRUDE OIL	0.	0.	253694.	253694.	253694.	253694.	253694.	253694.	253694.	253694.
UTILITIES COST	0.	0.	5444.	5444.	5444.	5444.	5444.	5444.	5444.	5444.
ELECTRICITY	0.	0.	854.	854.	854.	854.	854.	854.	854.	854.
STEAM	0.	0.	1541.	1541.	1541.	1541.	1541.	1541.	1541.	1541.
COOLING WATER	0.	0.	532.	532.	532.	532.	532.	532.	532.	532.
FUEL GAS	0.	0.	1025.	1025.	1025.	1025.	1025.	1025.	1025.	1025.
FUEL OIL	0.	0.	1493.	1493.	1493.	1493.	1493.	1493.	1493.	1493.
VARIABLE COST	0.	0.	259136.	259136.	259136.	259136.	259136.	259136.	259136.	259136.
EMPLOYMENT COST	0.	0.	175.	175.	175.	175.	175.	175.	175.	175.
EMPLOYMENT COST	0.	0.	175.	175.	175.	175.	175.	175.	175.	175.
MAINTENANCE COST	0.	0.	517.	517.	517.	517.	517.	517.	517.	517.
MAINTENANCE COST	0.	0.	517.	517.	517.	517.	517.	517.	517.	517.
OVERHEAD COST	0.	0.	245.	245.	245.	245.	245.	245.	245.	245.
OVERHEAD COST	0.	0.	245.	245.	245.	245.	245.	245.	245.	245.
INSURANCE COST	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
INSURANCE COST	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LAND LEASE COST	0.	0.	936.	936.	936.	936.	936.	936.	936.	936.
LAND LEASE COST	0.	0.	936.	936.	936.	936.	936.	936.	936.	936.
DIRECT FIXED COST	0.	0.	260074.	260074.	260074.	260074.	260074.	260074.	260074.	260074.
DIRECT FIXED COST	0.	0.	260074.	260074.	260074.	260074.	260074.	260074.	260074.	260074.
CASH FACTORY COST	0.	0.	260074.	260074.	260074.	260074.	260074.	260074.	260074.	260074.
CASH FACTORY COST	0.	0.	260074.	260074.	260074.	260074.	260074.	260074.	260074.	260074.
DEPRECIABLE ASSETS	0.	0.	218.	218.	218.	218.	218.	218.	218.	218.
DEPRECIABLE ASSETS	0.	0.	218.	218.	218.	218.	218.	218.	218.	218.
PRE-OPERATIONAL EXPENSES	0.	0.	33.	33.	33.	33.	33.	33.	33.	33.
PRE-OPERATIONAL EXPENSES	0.	0.	33.	33.	33.	33.	33.	33.	33.	33.
INTEREST DRG CONST.	0.	0.	41.	41.	41.	41.	41.	41.	41.	41.
INTEREST DRG CONST.	0.	0.	41.	41.	41.	41.	41.	41.	41.	41.
DEPRECIATION AND AMORTIZATION	0.	0.	292.	292.	292.	292.	292.	292.	292.	292.
DEPRECIATION AND AMORTIZATION	0.	0.	292.	292.	292.	292.	292.	292.	292.	292.
TOTAL FACTORY COST	0.0	0.0	260366.	260366.	260366.	260366.	260366.	260366.	260366.	260366.
TOTAL FACTORY COST	0.0	0.0	260366.	260366.	260366.	260366.	260366.	260366.	260366.	260366.
UNIT FACTORY COST	0.0	0.0	0.1334	0.1334	0.1334	0.1334	0.1334	0.1334	0.1334	0.1334
UNIT FACTORY COST	0.0	0.0	0.1334	0.1334	0.1334	0.1334	0.1334	0.1334	0.1334	0.1334
SALES EXPENSES	0.	0.	1692.	1692.	1692.	1692.	1692.	1692.	1692.	1692.
SALES EXPENSES	0.	0.	1692.	1692.	1692.	1692.	1692.	1692.	1692.	1692.
GENERAL & ADM. EXPENSES	0.	0.	1692.	1692.	1692.	1692.	1692.	1692.	1692.	1692.
GENERAL & ADM. EXPENSES	0.	0.	1692.	1692.	1692.	1692.	1692.	1692.	1692.	1692.
OTHER EXPENSES	0.	0.	282.	282.	282.	282.	282.	282.	282.	282.
OTHER EXPENSES	0.	0.	282.	282.	282.	282.	282.	282.	282.	282.
GENERAL & ADM. EXPENSES	0.	0.	1974.	1974.	1974.	1974.	1974.	1974.	1974.	1974.
GENERAL & ADM. EXPENSES	0.	0.	1974.	1974.	1974.	1974.	1974.	1974.	1974.	1974.
INTEREST ON MIDDLE TERM DEBT	0.	0.	2015.	1612.	1209.	806.	403.	0.	0.	0.
INTEREST ON MIDDLE TERM DEBT	0.	0.	2015.	1612.	1209.	806.	403.	0.	0.	0.
INTEREST ON MIDDLE TERM DEBT	0.	0.	2015.	1612.	1209.	806.	403.	0.	0.	0.
INTEREST ON MIDDLE TERM DEBT	0.	0.	2015.	1612.	1209.	806.	403.	0.	0.	0.
INTEREST ON SHORT TERM DEBT	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
INTEREST ON SHORT TERM DEBT	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
OTHER NON-OPERATING EXPENSES	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
OTHER NON-OPERATING EXPENSES	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL PRODUCTION COST	0.0	0.0	266047.	265644.	265241.	264838.	264435.	263958.	263958.	263958.
TOTAL PRODUCTION COST	0.0	0.0	266047.	265644.	265241.	264838.	264435.	263958.	263958.	263958.
UNIT PRODUCTION COST	0.0	0.0	0.1363	0.1361	0.1359	0.1357	0.1355	0.1353	0.1353	0.1353
UNIT PRODUCTION COST	0.0	0.0	0.1363	0.1361	0.1359	0.1357	0.1355	0.1353	0.1353	0.1353

*** CRUDE OIL DISTILLATION PROJECT IN POLAND ***
 PRODUCTION COST STATEMENTS
 - W/O CASE (2.439.360 T/Y, C.U.:80%) - (US\$. 1.000)

YEAR	2007	2008	2009	2010	2011	2012	2013
PRODUCTION (VOLUME)	7603.	7603.	7603.	7603.	7603.	7603.	7603.
RAW MATERIAL COST	253694.	253694.	253694.	253694.	253694.	253694.	253694.
CRUDE OIL	253694.	253694.	253694.	253694.	253694.	253694.	253694.
UTILITIES COST	5444.	5444.	5444.	5444.	5444.	5444.	5444.
ELECTRICITY	854.	854.	854.	854.	854.	854.	854.
STEAM	1541.	1541.	1541.	1541.	1541.	1541.	1541.
COOLING WATER	532.	532.	532.	532.	532.	532.	532.
FUEL GAS	1025.	1025.	1025.	1025.	1025.	1025.	1025.
FUEL OIL	1493.	1493.	1493.	1493.	1493.	1493.	1493.
VARIABLE COST	259136.	259136.	259136.	259136.	259136.	259136.	259136.
EMPLOYMENT COST	175.	175.	175.	175.	175.	175.	175.
EMPLOYMENT COST	175.	175.	175.	175.	175.	175.	175.
MAINTENANCE COST	517.	517.	517.	517.	517.	517.	517.
MAINTENANCE COST	517.	517.	517.	517.	517.	517.	517.
OVERHEAD COST	245.	245.	245.	245.	245.	245.	245.
OVERHEAD COST	245.	245.	245.	245.	245.	245.	245.
INSURANCE COST	0.	0.	0.	0.	0.	0.	0.
INSURANCE COST	0.	0.	0.	0.	0.	0.	0.
LAND LEASE COST	936.	936.	936.	936.	936.	936.	936.
LAND LEASE COST	936.	936.	936.	936.	936.	936.	936.
DIRECT FIXED COST	936.	936.	936.	936.	936.	936.	936.
DIRECT FIXED COST	936.	936.	936.	936.	936.	936.	936.
CASH FACTORY COST	260074.	260074.	260074.	260074.	260074.	260074.	260074.
CASH FACTORY COST	260074.	260074.	260074.	260074.	260074.	260074.	260074.
DEPRECIABLE ASSETS	218.	218.	218.	218.	218.	218.	218.
DEPRECIABLE ASSETS	218.	218.	218.	218.	218.	218.	218.
PRE-OPERATIONAL EXPENSES	0.	0.	0.	0.	0.	0.	0.
PRE-OPERATIONAL EXPENSES	0.	0.	0.	0.	0.	0.	0.
INTEREST DRG CONST.	0.	0.	0.	0.	0.	0.	0.
INTEREST DRG CONST.	0.	0.	0.	0.	0.	0.	0.
DEPRECIATION AND AMORTIZATION	218.	218.	218.	218.	218.	218.	218.
DEPRECIATION AND AMORTIZATION	218.	218.	218.	218.	218.	218.	218.
TOTAL FACTORY COST	260292.	260292.	260292.	260292.	260292.	260292.	260292.
TOTAL FACTORY COST	260292.	260292.	260292.	260292.	260292.	260292.	260292.
UNIT FACTORY COST	0.1334	0.1334	0.1334	0.1334	0.1334	0.1334	0.1334
UNIT FACTORY COST	0.1334	0.1334	0.1334	0.1334	0.1334	0.1334	0.1334
SALES EXPENSES	1692.	1692.	1692.	1692.	1692.	1692.	1692.
SALES EXPENSES	1692.	1692.	1692.	1692.	1692.	1692.	1692.
GENERAL & ADMI. EXPENSES	1692.	1692.	1692.	1692.	1692.	1692.	1692.
GENERAL & ADMI. EXPENSES	1692.	1692.	1692.	1692.	1692.	1692.	1692.
OTHER EXPENSES	282.	282.	282.	282.	282.	282.	282.
OTHER EXPENSES	282.	282.	282.	282.	282.	282.	282.
GENERAL & ADMI. EXPENSES	1974.	1974.	1974.	1974.	1974.	1974.	1974.
GENERAL & ADMI. EXPENSES	1974.	1974.	1974.	1974.	1974.	1974.	1974.
INTEREST ON MIDDLE TERM DEBT	0.	0.	0.	0.	0.	0.	0.
INTEREST ON MIDDLE TERM DEBT	0.	0.	0.	0.	0.	0.	0.
INTEREST ON MIDDLE TERM DEBT	0.	0.	0.	0.	0.	0.	0.
INTEREST ON MIDDLE TERM DEBT	0.	0.	0.	0.	0.	0.	0.
INTEREST ON SHORT TERM DEBT	0.	0.	0.	0.	0.	0.	0.
INTEREST ON SHORT TERM DEBT	0.	0.	0.	0.	0.	0.	0.
OTHER NON-OPERATING EXPENSES	0.	0.	0.	0.	0.	0.	0.
OTHER NON-OPERATING EXPENSES	0.	0.	0.	0.	0.	0.	0.
TOTAL PRODUCTION COST	263958.	263958.	263958.	263958.	263958.	263958.	263958.
TOTAL PRODUCTION COST	263958.	263958.	263958.	263958.	263958.	263958.	263958.
UNIT PRODUCTION COST	0.1353	0.1353	0.1353	0.1353	0.1353	0.1353	0.1353
UNIT PRODUCTION COST	0.1353	0.1353	0.1353	0.1353	0.1353	0.1353	0.1353

*** CRUDE OIL DISTILLATION PROJECT IN POLAND ***
 WORKING CAPITAL STATEMENTS
 - W/O CASE (2,489,360 T/Y, C.U.:80%) - (US\$, 1,000)

YEAR	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
CURRENT ASSETS	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
ACCOUNT RECEIVABLE	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
INVENTORIES	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
PRODUCT INVENTORY	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
MATERIAL INVENTORY	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
CASH IN HAND	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
CURRENT LIABILITIES W/O DEBT	0.	0.	21343.	21343.	21343.	21343.	21343.	21343.	21343.	21343.
ACCOUNT PAYABLE	0.	0.	21343.	21343.	21343.	21343.	21343.	21343.	21343.	21343.
CRUDE OIL	0.	0.	21140.	21140.	21140.	21140.	21140.	21140.	21140.	21140.
ELECTRICITY	0.	0.	12.	12.	12.	12.	12.	12.	12.	12.
OTHERS	0.	0.	191.	191.	191.	191.	191.	191.	191.	191.
PERMANENT WORKING CAPITAL	0.	0.	-21343.	-21343.	-21343.	-21343.	-21343.	-21343.	-21343.	-21343.
CHANGE IN WORKING CAPITAL	0.	0.	-21343.	0.	0.	0.	0.	0.	0.	0.

*** CRUDE OIL DISTILLATION PROJECT IN POLAND ***
 WORKING CAPITAL STATEMENTS
 - W/O CASE (2,439,360 T/Y, C.U.:60%) - (US\$, 1,000)

YEAR	2007	2008	2009	2010	2011	2012	2013
CURRENT ASSETS	0.	0.	0.	0.	0.	0.	0.
ACCOUNT RECEIVABLE	0.	0.	0.	0.	0.	0.	0.
INVENTORIES	0.	0.	0.	0.	0.	0.	0.
PRODUCT INVENTORY	0.	0.	0.	0.	0.	0.	0.
MATERIAL INVENTORY	0.	0.	0.	0.	0.	0.	0.
CASH IN HAND	0.	0.	0.	0.	0.	0.	0.
CURRENT LIABILITIES W/O DEBT	21343.	21343.	21343.	21343.	21343.	21343.	21343.
ACCOUNT PAYABLE	21343.	21343.	21343.	21343.	21343.	21343.	21343.
CRUDE OIL	21140.	21140.	21140.	21140.	21140.	21140.	21140.
ELECTRICITY	12.	12.	12.	12.	12.	12.	12.
OTHERS	191.	191.	191.	191.	191.	191.	191.
PERMANENT WORKING CAPITAL	-21343.	-21343.	-21343.	-21343.	-21343.	-21343.	-21343.
CHANGE IN WORKING CAPITAL	0.	0.	0.	0.	0.	0.	0.

*** CRUDE OIL DISTILLATION PROJECT IN POLAND ***
 INCOME STATEMENTS
 - W/O CASE (2,439,360 T/Y, C.U.:80%) - (US\$, 1,000)

YEAR	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
OPERATING INCOME	0.	0.	281956.	281956.	281956.	281956.	281956.	281956.	281956.	281956.
TOTAL SALES REVENUE	0.	0.	281956.	281956.	281956.	281956.	281956.	281956.	281956.	281956.
COST OF SALES	0.	0.	260366.	260366.	260366.	260366.	260366.	260366.	260366.	260366.
VARIABLE COST	0.	0.	259136.	259136.	259136.	259136.	259136.	259136.	259136.	259136.
DIRECT FIXED COST	0.	0.	936.	936.	936.	936.	936.	936.	936.	936.
DEPRECIATION AND AMORTIZATION	0.	0.	292.	292.	292.	292.	292.	218.	218.	218.
INC. IN PRODUCT INVENTORY	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
GROSS PROFIT ON SALES	0.	0.	21592.	21592.	21592.	21592.	21592.	21566.	21566.	21566.
SALES EXPENSES	0.	0.	1692.	1692.	1692.	1692.	1692.	1692.	1692.	1692.
GENERAL & ADMI. EXPENSES	0.	0.	1974.	1974.	1974.	1974.	1974.	1974.	1974.	1974.
OPERATING PROFIT	0.	0.	17927.	17927.	17927.	17927.	17927.	18001.	18001.	18001.
NON-OPERATING EXPENSES	0.	0.	2015.	1612.	1209.	806.	403.	0.	0.	0.
INTEREST ON MIDDLE TERM DEBT	0.	0.	2015.	1612.	1209.	806.	403.	0.	0.	0.
INTEREST ON SHORT TERM DEBT	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
OTHER NON-OPERATING EXPENSES	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
NET PROFIT OR (LOSS) BEFORE TAX	0.	0.	15912.	16315.	16719.	17121.	17524.	18001.	18001.	18001.
INCOME TAX	0.	0.	6365.	6526.	6687.	6848.	7009.	7200.	7200.	7200.
NET PROFIT OR (LOSS) AFTER TAX	0.	0.	9547.	9789.	10031.	10272.	10514.	10800.	10800.	10800.
DIVIDENDS	0.	0.	477.	469.	502.	514.	526.	540.	540.	540.
RETAINED EARNINGS	0.	0.	9070.	9299.	9529.	9759.	9988.	10260.	10260.	10260.

*** CRUDE OIL DISTILLATION PROJECT IN POLAND ***
 INCOME STATEMENTS
 - W/O CASE (2,439,360 T/Y, C.U.:60%) - (US\$. 1,000)

YEAR	2007	2008	2009	2010	2011	2012	2013
OPERATING INCOME	281958.	281958.	281958.	281958.	281958.	281958.	281958.
TOTAL SALES REVENUE	281958.	281958.	281958.	281958.	281958.	281958.	281958.
COST OF SALES	260292.	260292.	260292.	260292.	260292.	260292.	260292.
VARIABLE COST	259138.	259138.	259138.	259138.	259138.	259138.	259138.
DIRECT FIXED COST	936.	936.	936.	936.	936.	936.	936.
DEPRECIATION AND AMORTIZATION	218.	218.	218.	218.	218.	218.	218.
INC. IN PRODUCT INVENTORY	0.	0.	0.	0.	0.	0.	0.
GROSS PROFIT ON SALES	21666.	21666.	21666.	21666.	21666.	21666.	21666.
SALES EXPENSES	1692.	1692.	1692.	1692.	1692.	1692.	1692.
GENERAL & ADMI. EXPENSES	1974.	1974.	1974.	1974.	1974.	1974.	1974.
OPERATING PROFIT	18001.	18001.	18001.	18001.	18001.	18001.	18001.
NON-OPERATING EXPENSES	0.	0.	0.	0.	0.	0.	0.
INTEREST ON MIDDLE TERM DEBT	0.	0.	0.	0.	0.	0.	0.
INTEREST ON SHORT TERM DEBT	0.	0.	0.	0.	0.	0.	0.
OTHER NON-OPERATING EXPENSES	0.	0.	0.	0.	0.	0.	0.
NET PROFIT OR (LOSS) BEFORE TAX	18001.	18001.	18001.	18001.	18001.	18001.	18001.
INCOME TAX	7200.	7200.	7200.	7200.	7200.	7200.	7200.
NET PROFIT OR (LOSS) AFTER TAX	10800.	10800.	10800.	10800.	10800.	10800.	10800.
DIVIDENDS	540.	540.	540.	540.	540.	540.	540.
RETAINED EARNINGS	10260.	10260.	10260.	10260.	10260.	10260.	10260.

*** CRUDE OIL DISTILLATION PROJECT IN POLAND ***
 FUNDS FLOW STATEMENTS
 - W/O CASE (2,439,360 TRY, C.U.:60%) - (US\$. 1,000)

YEAR	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
SOURCE OF FUNDS	12894.	19341.	11854.	11693.	11532.	11370.	11209.	11018.	11018.	11018.
CASH GENERATED FROM OPERATION	0.	0.	11854.	11693.	11532.	11370.	11209.	11018.	11018.	11018.
PROFIT AFT. TAX, BFR INT.	0.	0.	11562.	11401.	11239.	11078.	10917.	10800.	10800.	10800.
DEPRECIATION AND AMORTIZATION	0.	0.	292.	292.	292.	292.	292.	218.	218.	218.
FINANCIAL RESOURCES	12894.	19341.	0.	0.	0.	0.	0.	0.	0.	0.
SHARE CAPITAL	6447.	9670.	0.	0.	0.	0.	0.	0.	0.	0.
MIDDLE TERM DEBT	6447.	9670.	0.	0.	0.	0.	0.	0.	0.	0.
SHORT TERM DEBT	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
USES OF FUNDS	1457.	2185.	-15628.	5325.	4934.	4543.	4152.	540.	540.	540.
FIXED CAPITAL EXPENDITURE	1457.	2185.	0.	0.	0.	0.	0.	0.	0.	0.
NON-DEPRECIABLE ASSETS	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEPRECIABLE FIXED ASSETS	1374.	2061.	0.	0.	0.	0.	0.	0.	0.	0.
INTEREST DURING CONSTRUCTION	83.	124.	0.	0.	0.	0.	0.	0.	0.	0.
CHANGE IN WORKING CAPITAL	0.	0.	-21343.	0.	0.	0.	0.	0.	0.	0.
DEBT SERVICES	0.	0.	5238.	4836.	4432.	4029.	3626.	0.	0.	0.
REPAYMENT OF MIDDLE TERM DEBT	0.	0.	3223.	3223.	3223.	3223.	3223.	0.	0.	0.
REPAYMENT OF SHORT TERM DEBT	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
INTEREST ON MIDDLE TERM DEBT	0.	0.	2015.	1612.	1209.	806.	403.	0.	0.	0.
INTEREST ON SHORT TERM DEBT	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DIVIDENDS	0.	0.	477.	489.	502.	514.	526.	540.	540.	540.
CASH INCREASE OR (DECREASE)	11437.	17156.	27482.	6368.	6598.	6828.	7057.	10478.	10478.	10478.
BEGINNING CASH BALANCE	0.	11437.	28593.	56075.	62443.	69041.	75868.	82925.	93404.	103882.
ENDING CASH BALANCE	11437.	28593.	56075.	62443.	69041.	75868.	82925.	93404.	103882.	114361.

*** CRUDE OIL DISTILLATION PROJECT IN POLAND ***
 FUNDS FLOW STATEMENTS
 - W/O CASE (2,439,360 T/Y, C.U.:60%) - (US\$, 1,000)

YEAR	2007	2008	2009	2010	2011	2012	2013
SOURCE OF FUNDS	11018.	11018.	11018.	11018.	11018.	11018.	11018.
CASH GENERATED FROM OPERATION	11018.	11018.	11018.	11018.	11018.	11018.	11018.
PROFIT AFT. TAX. SFR INT.	10800.	10800.	10800.	10800.	10800.	10800.	10800.
DEPRECIATION AND AMORTIZATION	218.	218.	218.	218.	218.	218.	218.
FINANCIAL RESOURCES	0.	0.	0.	0.	0.	0.	0.
SHARE CAPITAL	0.	0.	0.	0.	0.	0.	0.
MIDDLE TERM DEBT	0.	0.	0.	0.	0.	0.	0.
SHORT TERM DEBT	0.	0.	0.	0.	0.	0.	0.
USES OF FUNDS	540.	540.	540.	540.	540.	540.	540.
FIXED CAPITAL EXPENDITURE	0.	0.	0.	0.	0.	0.	0.
NON-DEPRECIABLE ASSETS	0.	0.	0.	0.	0.	0.	0.
DEPRECIABLE FIXED ASSETS	0.	0.	0.	0.	0.	0.	0.
INTEREST DURING CONSTRUCTION	0.	0.	0.	0.	0.	0.	0.
CHANGE IN WORKING CAPITAL	0.	0.	0.	0.	0.	0.	0.
DEBT SERVICES	0.	0.	0.	0.	0.	0.	0.
REPAYMENT OF MIDDLE TERM DEBT	0.	0.	0.	0.	0.	0.	0.
REPAYMENT OF SHORT TERM DEBT	0.	0.	0.	0.	0.	0.	0.
INTEREST ON MIDDLE TERM DEBT	0.	0.	0.	0.	0.	0.	0.
INTEREST ON SHORT TERM DEBT	0.	0.	0.	0.	0.	0.	0.
DIVIDENDS	540.	540.	540.	540.	540.	540.	540.
CASH INCREASE OR (DECREASE)	10478.	10478.	10478.	10478.	10478.	10478.	10478.
BEGINNING CASH BALANCE	114361.	124839.	135318.	145796.	156275.	166753.	177231.
ENDING CASH BALANCE	124839.	135318.	145796.	156275.	166753.	177231.	187710.

*** CRUDE OIL DISTILLATION PROJECT IN POLAND ***
 BALANCE SHEET
 - W/O CASE (2,439,360 T/Y, C.U.:60%) - (US\$, 1,000)

PAGE 1

YEAR	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
ASSETS										
CURRENT ASSETS	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
CASH IN HAND	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
ACCOUNT RECEIVABLE	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
INVENTORIES	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
ACC. EXCESS CASH	11437.	28593.	56075.	62443.	69041.	75868.	82925.	93404.	103682.	114361.
NET FIXED ASSETS	1457.	3642.	3950.	3057.	2765.	2479.	2181.	1963.	1745.	1627.
INVESTMENT	1457.	3642.	3642.	3642.	3642.	3642.	3642.	3642.	3642.	3642.
NON-DEPR. ASSETS	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEPRECIABLE ASSETS	1374.	3435.	3435.	3435.	3435.	3435.	3435.	3435.	3435.	3435.
AMORTIZATION	83.	207.	207.	207.	207.	207.	207.	207.	207.	207.
LESS: ACC. DEPRECIATION	0.	0.	292.	584.	877.	1169.	1461.	1679.	1897.	2115.
LIABILITIES	6447.	16117.	34237.	31014.	27790.	24567.	21343.	21343.	21343.	21343.
CURRENT LIABILITIES	0.	3223.	24567.	24567.	24567.	24567.	21343.	21343.	21343.	21343.
ACCOUNT PAYABLE	0.	0.	21343.	21343.	21343.	21343.	21343.	21343.	21343.	21343.
CURRENT PORTION OF M/T DEBT	0.	3223.	3223.	3223.	3223.	3223.	0.	0.	0.	0.
SHORT TERM DEBT	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
FIXED LIABILITIES	6447.	12894.	9670.	6447.	3223.	0.	0.	0.	0.	0.
MIDDLE TERM DEBT BALANCE	6447.	12894.	9670.	6447.	3223.	0.	0.	0.	0.	0.
OTHER FIXED LIABILITIES	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
STOCK HOLDERS EQUITY	6447.	16117.	25187.	34466.	44016.	53774.	63769.	74023.	84284.	94544.
SHARE CAPITAL	6447.	16117.	16117.	16117.	16117.	16117.	16117.	16117.	16117.	16117.
ACC. RETAINED EARNINGS	0.	0.	9070.	18369.	27899.	37657.	47646.	57906.	68166.	78427.
LIABILITIES & S/H EQUITY	12894.	32235.	59424.	65500.	71506.	78341.	85106.	95367.	105627.	115687.

*** CRUDE OIL DISTILLATION PROJECT IN POLAND ***
 BALANCE SHEET
 - W/O CASE (2,439,360 T/Y, C.U.:80%) - (US\$. 1,000)

YEAR	2007	2008	2009	2010	2011	2012	2013
ASSETS	126148.	136408.	146668.	156929.	167189.	177449.	187710.
CURRENT ASSETS	0.	0.	0.	0.	0.	0.	0.
CASH IN HAND	0.	0.	0.	0.	0.	0.	0.
ACCOUNT RECEIVABLE	0.	0.	0.	0.	0.	0.	0.
INVENTORIES	0.	0.	0.	0.	0.	0.	0.
ACC. EXCESS CASH	124839.	135318.	145796.	156275.	166753.	177231.	187710.
NET FIXED ASSETS	1309.	1090.	872.	654.	436.	218.	0.
INVESTMENT	3642.	3642.	3642.	3642.	3642.	3642.	3642.
NON-DEPR. ASSETS	0.	0.	0.	0.	0.	0.	0.
DEPRECIABLE ASSETS	3435.	3435.	3435.	3435.	3435.	3435.	3435.
AMORTIZATION	207.	207.	207.	207.	207.	207.	207.
LESS: ACC. DEPRECIATION	2333.	2551.	2770.	2988.	3206.	3424.	3642.
LIABILITIES	21343.	21343.	21343.	21343.	21343.	21343.	21343.
CURRENT LIABILITIES	21343.	21343.	21343.	21343.	21343.	21343.	21343.
ACCOUNT PAYABLE	21343.	21343.	21343.	21343.	21343.	21343.	21343.
CURRENT PORTION OF M/T DEBT	0.	0.	0.	0.	0.	0.	0.
SHORT TERM DEBT	0.	0.	0.	0.	0.	0.	0.
FIXED LIABILITIES	0.	0.	0.	0.	0.	0.	0.
MIDDLE TERM DEBT BALANCE	0.	0.	0.	0.	0.	0.	0.
OTHER FIXED LIABILITIES	0.	0.	0.	0.	0.	0.	0.
STOCK HOLDERS EQUITY	104804.	115065.	125325.	135585.	145846.	156106.	166366.
SHARE CAPITAL	16117.	16117.	16117.	16117.	16117.	16117.	16117.
ACC. RETAINED EARNINGS	88687.	98947.	109208.	119468.	129728.	139989.	150249.
LIABILITIES & S/H EQUITY	126148.	136408.	146668.	156929.	167189.	177449.	187710.

*** CRUDE OIL DISTILLATION PROJECT IN POLAND ***
 MIDDLE TERM DEBT
 - W/O CASE (2,439,360 T/Y. C.U.:80%) - (US\$. 1,000)

AMOUNT OF DEBT		16117.			
INTEREST RATE		12.500 PER CENT/YEAR			
REPAYMENT		5 YEAR-EQUAL-INSTALLMENT-REPAYMENT (ANNUAL REPAYMENT)			
YEAR	SER. NO	PRINCIPAL	INTEREST	DEBT SERVICE	BALANCE AFT. PAYMENT
1997	1	0.	0.	0.	6447.
1998	2	0.	0.	0.	16117.
1999	3	3223.	2015.	5238.	12894.
2000	4	3223.	1612.	4835.	9670.
2001	5	3223.	1209.	4432.	6447.
2002	6	3223.	806.	4029.	3223.
2003	7	3223.	403.	3626.	0.
2004	8	0.	0.	0.	0.
2005	9	0.	0.	0.	0.
2006	10	0.	0.	0.	0.
2007	11	0.	0.	0.	0.
2008	12	0.	0.	0.	0.
2009	13	0.	0.	0.	0.
2010	14	0.	0.	0.	0.
2011	15	0.	0.	0.	0.
2012	16	0.	0.	0.	0.
2013	17	0.	0.	0.	0.
TOTAL		16117.	6044.	22161.	0.

*** CRUDE OIL DISTILLATION PROJECT IN POLAND ***
 PROFITABILITY AND FINANCIAL INDICATORS
 - W/O CASE (2.439.360 T/Y, C.U.:80%) - (USS. 1.000)

YEAR	(1) AFT TAX PROFIT -TO- SALES REV S/H EQUITY (PCT)	(2) AFT TAX PROFIT -TO- S/H EQUITY (PCT)	(3) BFR TAX PROFIT -TO- INVESTMENT (PCT)	(4) AFT TAX PROFIT -TO- S/CAPITAL (PCT)	(5) CURRENT RATIO	(6) QUICK RATIO	(7) DEBT SERVICE RATIO	(8) L/T DEBT -TO- S/H EQUITY	(9)* PROFIT B.E.P. CAPACITY UTILIZE (PCT)	(10)* CASH B.E.P. SALES PRICE (PRICE)	(11)* CASH B.E.P. CAPACITY UTILIZE (PCT)
1999	3.4	37.9	436.9	59.2	0.0	0.0	2.26	28 / 72	24.2	35633.9	41.3
2000	3.5	28.4	448.0	60.7	0.0	0.0	2.42	16 / 84	22.6	35600.9	39.9
2001	3.6	22.8	459.0	62.2	0.0	0.0	2.60	7 / 93	21.4	35526.0	38.5
2002	3.6	19.1	470.1	63.7	0.0	0.0	2.82	0 / 100	20.0	35475.0	37.1
2003	3.7	16.5	481.2	65.2	0.0	0.0	3.09	0 / 100	18.6	35422.0	35.7
2004	3.8	14.6	494.3	67.0	0.0	0.0	*****	0 / 100	16.9	34688.0	16.1
2005	3.8	12.8	494.3	67.0	0.0	0.0	*****	0 / 100	16.9	34688.0	16.1
2006	3.8	11.4	494.3	67.0	0.0	0.0	*****	0 / 100	16.9	34688.0	16.1
2007	3.8	10.3	494.3	67.0	0.0	0.0	*****	0 / 100	16.9	34688.0	16.1
2008	3.8	9.4	494.3	67.0	0.0	0.0	*****	0 / 100	16.9	34688.0	16.1
2009	3.8	8.6	494.3	67.0	0.0	0.0	*****	0 / 100	16.9	34688.0	16.1
2010	3.8	8.0	494.3	67.0	0.0	0.0	*****	0 / 100	16.9	34688.0	16.1
2011	3.8	7.4	494.3	67.0	0.0	0.0	*****	0 / 100	16.9	34688.0	16.1
2012	3.8	6.9	494.3	67.0	0.0	0.0	*****	0 / 100	16.9	34688.0	16.1
2013	3.8	6.5	494.3	67.0	0.0	0.0	*****	0 / 100	16.9	34688.0	16.1
AVERAGE1	3.7	14.7	482.5	65.4	0.0	0.0	*****	3 / 97	16.4	34967.9	23.6
AVERAGE2	3.7	10.9	441.3	59.6	0.0	0.0	7.57	3 / 97			

(AVERAGE1) : SUM OF ANNUAL FIGURES OF PERCENTAGE AND RATIO IS DIVIDED BY NO. OF YEARS(SIMPLE AVERAGE)
 (AVERAGE2) : AVERAGE FIGURES ARE CALCULATED BY ACTUAL VALUES ACCUMULATED OVER THE PROJECT LIFE(WEIGHTED AVERAGE)
 * NOTE FOR (9)(10)(11)
 WHEN THERE ARE TWO OR MORE PRODUCTS, AND DURING THE YEARS WHEN ALL OF PRODUCTS ARE NOT PRODUCED AT THE SAME RATE
 OF CAPACITY UTILIZATION, ABOVE BREAK-EVEN-POINTS CANNOT GIVE CORRECT FIGURES.

*** CRUDE OIL DISTILLATION PROJECT IN POLAND ***
 RETURN ON INVESTMENT (IN '94 FIXED PRICE)
 - W/O CASE (2.439.360 T/Y, C.U.:80%) - (US\$. 1,000)

YEAR	FIXED CAPITAL EXPEND.	CHANGE IN WORKING CAPITAL	(1) GROSS CAPITAL EXPENDTR	OPERATING PROFIT	DEPRECIATN	(2) CASH IN-FLOW	(3) GROSS CASH IN-FLOW	INCOME TAX	(4) BFR-TAX NET IN-FLOW (2)-(1)	(5) AFT-TAX NET IN-FLOW (4)-(3)
1997	1374.	0.	1374.	0.	0.	0.	0.	0.	-1374.	-1374.
1998	2061.	0.	2061.	0.	0.	0.	0.	0.	-2061.	-2061.
1999	0.	-21343.	-21343.	17927.	292.	18219.	18219.	6365.	39562.	33197.
2000	0.	0.	0.	17927.	292.	18219.	18219.	6326.	18219.	11693.
2001	0.	0.	0.	17927.	292.	18219.	18219.	6687.	18219.	11532.
2002	0.	0.	0.	17927.	292.	18219.	18219.	6446.	18219.	11370.
2003	0.	0.	0.	17927.	292.	18219.	18219.	7009.	18219.	11209.
2004	0.	0.	0.	16001.	218.	18219.	18219.	7200.	18219.	11018.
2005	0.	0.	0.	16001.	218.	18219.	18219.	7200.	18219.	11018.
2006	0.	0.	0.	16001.	218.	18219.	18219.	7200.	18219.	11018.
2007	0.	0.	0.	16001.	218.	18219.	18219.	7200.	18219.	11018.
2008	0.	0.	0.	16001.	218.	18219.	18219.	7200.	18219.	11018.
2009	0.	0.	0.	16001.	218.	18219.	18219.	7200.	18219.	11018.
2010	0.	0.	0.	16001.	218.	18219.	18219.	7200.	18219.	11018.
2011	0.	0.	0.	16001.	218.	18219.	18219.	7200.	18219.	11018.
2012	0.	0.	0.	16001.	218.	18219.	18219.	7200.	18219.	11018.
2013	0.	21343.	21343.	18001.	218.	18219.	18219.	7200.	-3125.	-10325.
	3435.	0.	3435.	269639.	3642.	273280.	273280.	105436.	259846.	164406.

**** IRR CAN NOT BE OBTAINED BECAUSE OF EXTREMELY HIGH OR LOW ****

*** CRUDE OIL DISTILLATION PROJECT IN POLAND ***
 PRODUCTION COST STATEMENTS
 - INCREMENTAL CASE (2,439,360 T/Y, C.U.:80%) - (USD, 1,000)

YEAR	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
PRODUCTION (VOLUME)	0.	0.	0.	-3166.	-3166.	-3166.	-3166.	-3166.	-3166.	-3166.
RAW MATERIAL COST	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
CRUDE OIL	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
UTILITIES COST	0.	0.	37.	37.	37.	37.	37.	37.	37.	37.
ELECTRICITY	0.	0.	-50.	-50.	-50.	-50.	-50.	-50.	-50.	-50.
STEAM	0.	0.	385.	385.	385.	385.	385.	385.	385.	385.
COOLING WATER	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
FUEL GAS	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
FUEL OIL	0.	0.	-299.	-299.	-299.	-299.	-299.	-299.	-299.	-299.
VARIABLE COST	0.	0.	37.	37.	37.	37.	37.	37.	37.	37.
EMPLOYMENT COST	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
MAINTENANCE COST	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
OVERHEAD COST	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
INSURANCE COST	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LAND LEASE COST	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DIRECT FIXED COST	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
CASH FACTORY COST	0.	0.	37.	37.	37.	37.	37.	37.	37.	37.
DEPRECIABLE ASSETS	0.	0.	358.	358.	358.	358.	358.	358.	358.	358.
DEPRECIATION EXPENSES	0.	0.	358.	358.	358.	358.	358.	358.	358.	358.
PRE-OPERATIONAL EXPENSES	0.	0.	54.	54.	54.	54.	54.	54.	54.	54.
INTEREST DRG CONST	0.	0.	68.	68.	68.	68.	68.	68.	68.	68.
DEPRECIATION AND AMORTIZATION	0.	0.	480.	480.	480.	480.	480.	480.	480.	480.
TOTAL FACTORY COST	0.0	0.0	517.	517.	517.	517.	517.	517.	517.	517.
UNIT FACTORY COST	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0002	0.0002	0.0002
SALES EXPENSES	0.	0.	19.	19.	19.	19.	19.	19.	19.	19.
GENERAL & ADML. EXPENSES	0.	0.	19.	19.	19.	19.	19.	19.	19.	19.
OTHER EXPENSES	0.	0.	3.	3.	3.	3.	3.	3.	3.	3.
GENERAL & ADML. EXPENSES	0.	0.	22.	22.	22.	22.	22.	22.	22.	22.
INTEREST ON MIDDLE TERM DEBT	0.	0.	382.	306.	229.	153.	76.	0.	0.	0.
INTEREST ON MIDDLE TERM DEBT	0.	0.	382.	306.	229.	153.	76.	0.	0.	0.
INTEREST ON SHORT TERM DEBT	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
OTHER NON-OPERATING EXPENSES	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL PRODUCTION COST	0.0	0.0	864.	864.	787.	711.	635.	437.	437.	437.
UNIT PRODUCTION COST	0.0000	0.0000	0.0004	0.0004	0.0004	0.0004	0.0003	0.0002	0.0002	0.0002

*** CRUDE OIL DISTILLATION PROJECT IN POLAND ***
 PRODUCTION COST STATEMENTS
 - INCREMENTAL CASE (2,439,360 T/Y, C.U.:80%) - (USD, 1,000)

YEAR	2007	2008	2009	2010	2011	2012	2013
PRODUCTION (VOLUME)	-3168.	-3168.	-3168.	-3168.	-3168.	-3168.	-3168.
RAW MATERIAL COST	0.	0.	0.	0.	0.	0.	0.
CRUDE OIL	0.	0.	0.	0.	0.	0.	0.
UTILITIES COST	37.	37.	37.	37.	37.	37.	37.
ELECTRICITY	-50.	-50.	-50.	-50.	-50.	-50.	-50.
STEAM	385.	385.	385.	385.	385.	385.	385.
COOLING WATER	0.	0.	0.	0.	0.	0.	0.
FUEL GAS	0.	0.	0.	0.	0.	0.	0.
FUEL OIL	-299.	-299.	-299.	-299.	-299.	-299.	-299.
VARIABLE COST	37.	37.	37.	37.	37.	37.	37.
EMPLOYMENT COST	0.	0.	0.	0.	0.	0.	0.
EMPLOYMENT COST	0.	0.	0.	0.	0.	0.	0.
MAINTENANCE COST	0.	0.	0.	0.	0.	0.	0.
MAINTENANCE COST	0.	0.	0.	0.	0.	0.	0.
OVERHEAD COST	0.	0.	0.	0.	0.	0.	0.
OVERHEAD COST	0.	0.	0.	0.	0.	0.	0.
INSURANCE COST	0.	0.	0.	0.	0.	0.	0.
INSURANCE COST	0.	0.	0.	0.	0.	0.	0.
LAND LEASE COST	0.	0.	0.	0.	0.	0.	0.
LAND LEASE COST	0.	0.	0.	0.	0.	0.	0.
DIRECT FIXED COST	0.	0.	0.	0.	0.	0.	0.
DIRECT FIXED COST	0.	0.	0.	0.	0.	0.	0.
CASH FACTORY COST	37.	37.	37.	37.	37.	37.	37.
CASH FACTORY COST	37.	37.	37.	37.	37.	37.	37.
DEPRECIABLE ASSETS	358.	358.	358.	358.	358.	358.	358.
DEPRECIABLE ASSETS	358.	358.	358.	358.	358.	358.	358.
PRE-OPERATIONAL EXPENSES	0.	0.	0.	0.	0.	0.	0.
PRE-OPERATIONAL EXPENSES	0.	0.	0.	0.	0.	0.	0.
INTEREST DRG. CONST.	0.	0.	0.	0.	0.	0.	0.
INTEREST DRG. CONST.	0.	0.	0.	0.	0.	0.	0.
DEPRECIATION AND AMORTIZATION	358.	358.	358.	358.	358.	358.	358.
DEPRECIATION AND AMORTIZATION	358.	358.	358.	358.	358.	358.	358.
TOTAL FACTORY COST	395.	395.	395.	395.	395.	395.	395.
TOTAL FACTORY COST	395.	395.	395.	395.	395.	395.	395.
UNIT FACTORY COST	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
UNIT FACTORY COST	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
SALES EXPENSES	19.	19.	19.	19.	19.	19.	19.
SALES EXPENSES	19.	19.	19.	19.	19.	19.	19.
GENERAL & ADMI. EXPENSES	19.	19.	19.	19.	19.	19.	19.
GENERAL & ADMI. EXPENSES	19.	19.	19.	19.	19.	19.	19.
OTHER EXPENSES	3.	3.	3.	3.	3.	3.	3.
OTHER EXPENSES	3.	3.	3.	3.	3.	3.	3.
GENERAL & ADMI. EXPENSES	22.	22.	22.	22.	22.	22.	22.
GENERAL & ADMI. EXPENSES	22.	22.	22.	22.	22.	22.	22.
INTEREST ON MIDDLE TERM DEBT	0.	0.	0.	0.	0.	0.	0.
INTEREST ON MIDDLE TERM DEBT	0.	0.	0.	0.	0.	0.	0.
INTEREST ON MIDDLE TERM DEBT	0.	0.	0.	0.	0.	0.	0.
INTEREST ON MIDDLE TERM DEBT	0.	0.	0.	0.	0.	0.	0.
INTEREST ON SHORT TERM DEBT	0.	0.	0.	0.	0.	0.	0.
INTEREST ON SHORT TERM DEBT	0.	0.	0.	0.	0.	0.	0.
OTHER NON-OPERATING EXPENSES	0.	0.	0.	0.	0.	0.	0.
OTHER NON-OPERATING EXPENSES	0.	0.	0.	0.	0.	0.	0.
TOTAL PRODUCTION COST	437.	437.	437.	437.	437.	437.	437.
TOTAL PRODUCTION COST	437.	437.	437.	437.	437.	437.	437.
UNIT PRODUCTION COST	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
UNIT PRODUCTION COST	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002

*** CRUDE OIL DISTILLATION PROJECT IN POLAND ***
 WORKING CAPITAL STATEMENTS
 - INCREMENTAL CASE (2,439,360 T/Y, C.U.:80X) - (USD, 1,000)

YEAR	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
CURRENT ASSETS	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
ACCOUNT RECEIVABLE	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
INVENTORIES	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
PRODUCT INVENTORY	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
MATERIAL INVENTORY	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
CASH IN HAND	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
CURRENT LIABILITIES W/O DEBT	0.	0.	3.	3.	3.	3.	3.	3.	3.	3.
ACCOUNT PAYABLE	0.	0.	3.	3.	3.	3.	3.	3.	3.	3.
CRUDE OIL	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
ELECTRICITY	0.	0.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
OTHERS	0.	0.	4.	4.	4.	4.	4.	4.	4.	4.
PERMANENT WORKING CAPITAL	0.	0.	-3.	-3.	-3.	-3.	-3.	-3.	-3.	-3.
CHANGE IN WORKING CAPITAL	0.	0.	-3.	0.	0.	0.	0.	0.	0.	0.

*** CRUDE OIL DISTILLATION PROJECT IN POLAND ***
 WORKING CAPITAL STATEMENTS
 - INCREMENTAL CASE (2.439.360 T/Y, C.U.:80%) - (USD. 1.000)

YEAR	2007	2008	2009	2010	2011	2012	2013
CURRENT ASSETS	0.	0.	0.	0.	0.	0.	0.
ACCOUNT RECEIVABLE	0.	0.	0.	0.	0.	0.	0.
INVENTORIES	0.	0.	0.	0.	0.	0.	0.
PRODUCT INVENTORY	0.	0.	0.	0.	0.	0.	0.
MATERIAL INVENTORY	0.	0.	0.	0.	0.	0.	0.
CASH IN HAND	0.	0.	0.	0.	0.	0.	0.
CURRENT LIABILITIES W/O DEBT	3.	3.	3.	3.	3.	3.	3.
ACCOUNT PAYABLE	3.	3.	3.	3.	3.	3.	3.
CRUDE OIL	0.	0.	0.	0.	0.	0.	0.
ELECTRICITY	-1.	-1.	-1.	-1.	-1.	-1.	-1.
OTHERS	4.	4.	4.	4.	4.	4.	4.
PERMANENT WORKING CAPITAL	-3.	-3.	-3.	-3.	-3.	-3.	-3.
CHANGE IN WORKING CAPITAL	0.	0.	0.	0.	0.	0.	0.

*** CRUDE OIL DISTILLATION PROJECT IN POLAND ***
 INCOME STATEMENTS
 - INCREMENTAL CASE (2,439,360 T/Y, C.U.:60%) - (USD, 1,000)

YEAR	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
OPERATING INCOME	0.	0.	3197.	3197.	3197.	3197.	3197.	3197.	3197.	3197.
TOTAL SALES REVENUE	0.	0.	3197.	3197.	3197.	3197.	3197.	3197.	3197.	3197.
COST OF SALES	0.	0.	517.	517.	517.	517.	517.	395.	395.	395.
VARIABLE COST	0.	0.	37.	37.	37.	37.	37.	37.	37.	37.
DIRECT FIXED COST	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEPRECIATION AND AMORTIZATION	0.	0.	480.	480.	480.	480.	480.	358.	358.	358.
INC. IN PRODUCT INVENTORY	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
GROSS PROFIT ON SALES	0.	0.	2680.	2680.	2680.	2680.	2680.	2802.	2802.	2802.
SALES EXPENSES	0.	0.	19.	19.	19.	19.	19.	19.	19.	19.
GENERAL & ADMI. EXPENSES	0.	0.	22.	22.	22.	22.	22.	22.	22.	22.
OPERATING PROFIT	0.	0.	2638.	2638.	2638.	2638.	2638.	2760.	2760.	2760.
NON-OPERATING EXPENSES	0.	0.	382.	306.	229.	153.	76.	0.	0.	0.
INTEREST ON MIDDLE TERM DEBT	0.	0.	382.	306.	229.	153.	76.	0.	0.	0.
INTEREST ON SHORT TERM DEBT	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
OTHER NON-OPERATING EXPENSES	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
NET PROFIT OR (LOSS) BEFORE TAX	0.	0.	2256.	2333.	2409.	2486.	2562.	2760.	2760.	2760.
INCOME TAX	0.	0.	903.	933.	964.	994.	1025.	1104.	1104.	1104.
NET PROFIT OR (LOSS) AFTER TAX	0.	0.	1354.	1400.	1445.	1491.	1537.	1656.	1656.	1656.
DIVIDENDS	0.	0.	68.	70.	72.	75.	77.	83.	83.	83.
RETAINED EARNINGS	0.	0.	1286.	1330.	1373.	1417.	1460.	1573.	1573.	1573.

*** CRUDE OIL DISTILLATION PROJECT IN POLAND ***
 INCOME STATEMENTS
 - INCREMENTAL CASE (2,439,360 T/Y, C.U.:80%) - (USD, 1,000)

YEAR	2007	2008	2009	2010	2011	2012	2013
OPERATING INCOME	3197.	3197.	3197.	3197.	3197.	3197.	3197.
TOTAL SALES REVENUE	3197.	3197.	3197.	3197.	3197.	3197.	3197.
COST OF SALES	395.	395.	395.	395.	395.	395.	395.
VARIABLE COST	37.	37.	37.	37.	37.	37.	37.
DIRECT FIXED COST	0.	0.	0.	0.	0.	0.	0.
DEPRECIATION AND AMORTIZATION	358.	358.	358.	358.	358.	358.	358.
INC. IN PRODUCT INVENTORY	0.	0.	0.	0.	0.	0.	0.
GROSS PROFIT ON SALES	2802.	2802.	2802.	2802.	2802.	2802.	2802.
SALES EXPENSES	19.	19.	19.	19.	19.	19.	19.
GENERAL & ADMN. EXPENSES	22.	22.	22.	22.	22.	22.	22.
OPERATING PROFIT	2760.	2760.	2760.	2760.	2760.	2760.	2760.
NON-OPERATING EXPENSES	0.	0.	0.	0.	0.	0.	0.
INTEREST ON MIDDLE TERM DEBT	0.	0.	0.	0.	0.	0.	0.
INTEREST ON SHORT TERM DEBT	0.	0.	0.	0.	0.	0.	0.
OTHER NON-OPERATING EXPENSES	0.	0.	0.	0.	0.	0.	0.
NET PROFIT OR (LOSS) BEFORE TAX	2760.	2760.	2760.	2760.	2760.	2760.	2760.
INCOME TAX	1104.	1104.	1104.	1104.	1104.	1104.	1104.
NET PROFIT OR (LOSS) AFTER TAX	1656.	1656.	1656.	1656.	1656.	1656.	1656.
DIVIDENDS	83.	83.	83.	83.	83.	83.	83.
RETAINED EARNINGS	1573.	1573.	1573.	1573.	1573.	1573.	1573.

*** CRUDE OIL DISTILLATION PROJECT IN POLAND ***

FUNDS FLOW STATEMENTS

- INCREMENTAL CASE (2.439.360 T/Y. C.U.:80%) - (USD, 1,000)

SOURCE OF FUNDS	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
CASH GENERATED FROM OPERATION	2445.	3667.	2216.	2185.	2154.	2124.	2093.	2014.	2014.	2014.
PROFIT AFT. TAX, BFR INT.	0.	0.	1736.	1705.	1675.	1644.	1614.	1656.	1656.	1656.
DEPRECIATION AND AMORTIZATION	0.	0.	480.	480.	480.	480.	480.	358.	358.	358.
FINANCIAL RESOURCES	2445.	3667.	0.	0.	0.	0.	0.	0.	0.	0.
SHARE CAPITAL	1222.	1934.	0.	0.	0.	0.	0.	0.	0.	0.
MIDDLE TERM DEBT	1222.	1934.	0.	0.	0.	0.	0.	0.	0.	0.
SHORT TERM DEBT	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
USES OF FUNDS	2392.	3588.	1058.	987.	913.	839.	765.	83.	83.	83.
FIXED CAPITAL EXPENDITURE	2392.	3588.	0.	0.	0.	0.	0.	0.	0.	0.
NON-DEPRECIABLE ASSETS	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEPRECIABLE FIXED ASSETS	2256.	3384.	0.	0.	0.	0.	0.	0.	0.	0.
INTEREST DURING CONSTRUCTION	136.	204.	0.	0.	0.	0.	0.	0.	0.	0.
CHANGE IN WORKING CAPITAL	0.	0.	-3.	0.	0.	0.	0.	0.	0.	0.
DEBT SERVICES	0.	0.	993.	917.	840.	764.	688.	0.	0.	0.
REPAYMENT OF MIDDLE TERM DEBT	0.	0.	611.	611.	611.	611.	611.	0.	0.	0.
REPAYMENT OF SHORT TERM DEBT	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
INTEREST ON MIDDLE TERM DEBT	0.	0.	382.	306.	229.	153.	76.	0.	0.	0.
INTEREST ON SHORT TERM DEBT	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DIVIDENDS	0.	0.	68.	70.	72.	75.	77.	83.	83.	83.
CASH INCREASE OR (DECREASE)	53.	80.	1158.	1198.	1242.	1285.	1329.	1931.	1931.	1931.
BEGINNING CASH BALANCE	0.	53.	133.	1290.	2488.	3730.	5015.	6344.	8276.	10207.
ENDING CASH BALANCE	53.	133.	1290.	2488.	3730.	5015.	6344.	8276.	10207.	12138.

*** CRUDE OIL DISTILLATION PROJECT IN POLAND ***
 FUNDS FLOW STATEMENTS
 - INCREMENTAL CASE (2,439,360 T/Y, C.U.:80%) - (USD, 1,000)

YEAR	2007	2008	2009	2010	2011	2012	2013
SOURCE OF FUNDS							
CASH GENERATED FROM OPERATION	2014.	2014.	2014.	2014.	2014.	2014.	2014.
PROFIT AFT. TAX, BFR INT.	1656.	1656.	1656.	1656.	1656.	1656.	1656.
DEPRECIATION AND AMORTIZATION	358.	358.	358.	358.	358.	358.	358.
FINANCIAL RESOURCES	0.	0.	0.	0.	0.	0.	0.
SHARE CAPITAL	0.	0.	0.	0.	0.	0.	0.
MIDDLE TERM DEBT	0.	0.	0.	0.	0.	0.	0.
SHORT TERM DEBT	0.	0.	0.	0.	0.	0.	0.
USES OF FUNDS	83.	83.	83.	83.	83.	83.	83.
FIXED CAPITAL EXPENDITURE	0.	0.	0.	0.	0.	0.	0.
NON-DEPRECIABLE ASSETS	0.	0.	0.	0.	0.	0.	0.
DEPRECIABLE FIXED ASSETS	0.	0.	0.	0.	0.	0.	0.
INTEREST DURING CONSTRUCTION	0.	0.	0.	0.	0.	0.	0.
CHANGE IN WORKING CAPITAL	0.	0.	0.	0.	0.	0.	0.
DEBT SERVICES	0.	0.	0.	0.	0.	0.	0.
REPAYMENT OF MIDDLE TERM DEBT	0.	0.	0.	0.	0.	0.	0.
REPAYMENT OF SHORT TERM DEBT	0.	0.	0.	0.	0.	0.	0.
INTEREST ON MIDDLE TERM DEBT	0.	0.	0.	0.	0.	0.	0.
INTEREST ON SHORT TERM DEBT	0.	0.	0.	0.	0.	0.	0.
DIVIDENDS	83.	83.	83.	83.	83.	83.	83.
CASH INCREASE OR (DECREASE)							
BEGINNING CASH BALANCE	12138.	14069.	16001.	17992.	19863.	21795.	23726.
ENDING CASH BALANCE	14069.	16001.	17932.	19863.	21795.	23726.	25657.

*** CRUDE OIL DISTILLATION PROJECT IN POLAND ***
 BALANCE SHEET
 - INCREMENTAL CASE (2.439.360 T/Y, C.U.:80%) - (USD: 1.000)

YEAR	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
ASSETS	2445.	6112.	6790.	7509.	8271.	9076.	9925.	11498.	13072.	14645.
CURRENT ASSETS	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
CASH IN HAND	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
ACCOUNT RECEIVABLE	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
INVENTORIES	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
ACC. EXCESS CASH	53.	133.	1290.	2488.	3730.	5015.	6944.	8276.	10207.	12139.
NET FIXED ASSETS	2392.	5980.	5500.	5020.	4540.	4061.	3581.	3223.	2865.	2507.
INVESTMENT	2392.	5980.	5980.	5980.	5980.	5980.	5980.	5980.	5980.	5980.
NON-DEPR. ASSETS	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEPRECIABLE ASSETS	2256.	5640.	5640.	5640.	5640.	5640.	5640.	5640.	5640.	5640.
AMORTIZATION	136.	340.	340.	340.	340.	340.	340.	340.	340.	340.
LESS: ACC. DEPRECIATION	0.	0.	400.	960.	1439.	1919.	2399.	2757.	3115.	3473.
LIABILITIES	1222.	3056.	2448.	1837.	1225.	614.	3.	3.	3.	3.
CURRENT LIABILITIES	0.	611.	614.	614.	614.	614.	614.	614.	614.	614.
ACCOUNT PAYABLE	0.	0.	3.	3.	3.	3.	3.	3.	3.	3.
CURRENT PORTION OF M/T DEBT	0.	611.	611.	611.	611.	611.	611.	611.	611.	611.
SHORT TERM DEBT	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
FIXED LIABILITIES	1222.	2445.	1834.	1222.	611.	-0.	-0.	-0.	-0.	-0.
MIDDLE TERM DEBT BALANCE	1222.	2445.	1834.	1222.	611.	-0.	-0.	-0.	-0.	-0.
OTHER FIXED LIABILITIES	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
STOCK HOLDERS EQUITY	1222.	3056.	4342.	5672.	7045.	8462.	9922.	11495.	13069.	14642.
SHARE CAPITAL	1222.	3056.	3056.	3056.	3056.	3056.	3056.	3056.	3056.	3056.
ACC. RETAINED EARNINGS	0.	0.	1286.	2616.	3989.	5406.	6866.	8439.	10012.	11586.
LIABILITIES & S/H EQUITY	2445.	6112.	6790.	7509.	8271.	9076.	9925.	11498.	13072.	14645.

*** CRUDE OIL DISTILLATION PROJECT IN POLAND ***
 BALANCE SHEET
 - INCREMENTAL CASE (2,439,360 T/Y, C.U.:80X) - (USD, 1,000)

YEAR	2007	2008	2009	2010	2011	2012	2013
ASSETS	16216	17791	19364	20936	22511	24084	25657
CURRENT ASSETS	0	0	0	0	0	0	0
CASH IN HAND	0	0	0	0	0	0	0
ACCOUNT RECEIVABLE	0	0	0	0	0	0	0
INVENTORIES	0	0	0	0	0	0	0
ACC. EXCESS CASH	14069	16001	17932	19863	21795	23726	25657
NET FIXED ASSETS	2149	1790	1432	1074	716	358	0
INVESTMENT	5980	5980	5980	5980	5980	5980	5980
NON-DEPR. ASSETS	0	0	0	0	0	0	0
DEPRECIABLE ASSETS	5640	5640	5640	5640	5640	5640	5640
AMORTIZATION	340	340	340	340	340	340	340
LESS: ACC. DEPRECIATION	3631	4169	4548	4906	5264	5622	5980
LIABILITIES	3	3	3	3	3	3	3
CURRENT LIABILITIES	3	3	3	3	3	3	3
ACCOUNT PAYABLE	3	3	3	3	3	3	3
CURRENT PORTION OF M/T DEBT	0	0	0	0	0	0	0
SHORT TERM DEBT	0	0	0	0	0	0	0
FIXED LIABILITIES	-0	-0	-0	-0	-0	-0	-0
MIDDLE TERM DEBT BALANCE	-0	-0	-0	-0	-0	-0	-0
OTHER FIXED LIABILITIES	0	0	0	0	0	0	0
STOCK HOLDERS EQUITY	16215	17788	19362	20935	22508	24081	25654
SHARE CAPITAL	3056	3056	3056	3056	3056	3056	3056
ACC. RETAINED EARNINGS	13159	14732	16305	17879	19452	21025	22598
LIABILITIES & S/M EQUITY	16218	17791	19364	20936	22511	24084	25657

*** CRUDE OIL DISTILLATION PROJECT IN POLAND ***
 PROFITABILITY AND FINANCIAL INDICATORS
 - INCREMENTAL CASE (2.439.360 T/Y, C.U.:80%) - (USD. 1.000)

YEAR	(1) AFT TAX PROFIT -TO- SALES REV S/H EQUITY (PCT)	(2) AFT TAX PROFIT -TO- INVESTMENT (PCT)	(3) BFR TAX PROFIT -TO- INVESTMENT (PCT)	(4) AFT TAX PROFIT -TO- CAPITAL (PCT)	(5) CURRENT RATIO	(6) QUICK RATIO	(7) DEBT SERVICE RATIO	(8) L/T DEBT -TO- S/H EQUITY	(9)* PROFIT B.E.P. CAPACITY UTILIZE (PCT)	(10)* CASH B.E.P. SALES PRICE (PRICE)	(11)* CASH B.E.P. CAPACITY UTILIZE (PCT)
1999	42.4	31.2	37.7	44.3	0.0	0.0	2.23	30 / 70	*****	-366.0	26.4
2000	43.6	24.7	39.0	45.8	0.0	0.0	2.38	18 / 82	*****	-341.8	26.6
2001	45.2	20.5	40.3	47.3	0.0	0.0	2.56	9 / 92	*****	-317.7	24.6
2002	46.7	17.6	41.6	48.8	0.0	0.0	2.78	-0 / 100	*****	-293.6	22.6
2003	48.1	15.5	42.8	50.3	0.0	0.0	3.04	-0 / 100	*****	-269.5	20.7
2004	51.8	14.4	46.2	54.2	0.0	0.0	*****	-0 / 100	*****	-24.8	1.1
2005	51.8	12.7	46.2	54.2	0.0	0.0	*****	-0 / 100	*****	-24.8	1.1
2006	51.8	11.3	46.2	54.2	0.0	0.0	*****	-0 / 100	*****	-24.8	1.1
2007	51.8	10.2	46.2	54.2	0.0	0.0	*****	-0 / 100	*****	-24.8	1.1
2008	51.8	9.3	46.2	54.2	0.0	0.0	*****	-0 / 100	*****	-24.8	1.1
2009	51.8	8.6	46.2	54.2	0.0	0.0	*****	-0 / 100	*****	-24.8	1.1
2010	51.8	7.9	46.2	54.2	0.0	0.0	*****	-0 / 100	*****	-24.8	1.1
2011	51.8	7.4	46.2	54.2	0.0	0.0	*****	-0 / 100	*****	-24.8	1.1
2012	51.8	6.9	46.2	54.2	0.0	0.0	*****	-0 / 100	*****	-24.8	1.1
2013	51.8	6.5	46.2	54.2	0.0	0.0	*****	-0 / 100	*****	-24.8	1.1
AVERAGE1	49.6	13.6	44.2	51.9	0.0	0.0	*****	4 / 96	*****	-122.4	8.9
AVERAGE2	49.6	10.6	40.4	47.5	0.0	0.0	7.36	3 / 97	*****		

(AVERAGE1) : SUM OF ANNUAL FIGURES OF PERCENTAGE AND RATIO IS DIVIDED BY NO. OF YEARS(SIMPLE AVERAGE)
 (AVERAGE2) : AVERAGE FIGURES ARE CALCULATED BY ACTUAL VALUES ACCUMULATED OVER THE PROJECT LIFE(WEIGHTED AVERAGE)
 * NOTE FOR (9)(10)(11)
 WHEN THERE ARE TWO OR MORE PRODUCTS, AND DURING THE YEARS WHEN ALL OF PRODUCTS ARE NOT PRODUCED AT THE SAME RATE
 OF CAPACITY UTILIZATION, ABOVE BREAK-EVEN-POINTS CANNOT GIVE CORRECT FIGURES.

*** CRUDE OIL DISTILLATION PROJECT IN POLAND ***
 RETURN ON INVESTMENT (IN '94 FIXED PRICE)
 - INCREMENTAL CASE (2.439-360 T/Y, C.U.:50%) - (USD, 1,000)

YEAR	FIXED CAPITAL EXPEND.	CHANGE IN (1) WORKING CAPITAL	GROSS CAPITAL EXPENDTR	OPERATING PROFIT	DEPRECIATN	GROSS CASH IN-FLOW	INCOME TAX	BFR-TAX NET IN-FLOW	AFT-TAX NET IN-FLOW
			(2)	(3)	(4)	(5)	(6)	(7)	(8)
1997	2256.	0.	2256.	0.	0.	0.	0.	-2256.	-2256.
1998	3384.	0.	3384.	0.	0.	0.	0.	-3384.	-3384.
1999	0.	-3.	-3.	2638.	480.	3118.	993.	3121.	2219.
2000	0.	0.	0.	2638.	480.	3118.	964.	3118.	2185.
2001	0.	0.	0.	2638.	480.	3118.	984.	3118.	2154.
2002	0.	0.	0.	2638.	480.	3118.	1025.	3118.	2124.
2003	0.	0.	0.	2760.	358.	3118.	1104.	3118.	2093.
2004	0.	0.	0.	2760.	358.	3118.	1104.	3118.	2014.
2005	0.	0.	0.	2760.	358.	3118.	1104.	3118.	2014.
2006	0.	0.	0.	2760.	358.	3118.	1104.	3118.	2014.
2007	0.	0.	0.	2760.	358.	3118.	1104.	3118.	2014.
2008	0.	0.	0.	2760.	358.	3118.	1104.	3118.	2014.
2009	0.	0.	0.	2760.	358.	3118.	1104.	3118.	2014.
2010	0.	0.	0.	2760.	358.	3118.	1104.	3118.	2014.
2011	0.	0.	0.	2760.	358.	3118.	1104.	3118.	2014.
2012	0.	0.	0.	2760.	358.	3118.	1104.	3118.	2014.
2013	0.	3.	3.	2760.	358.	3118.	1104.	3115.	2011.
	5640.	0.	5640.	40792.	5980.	46772.	16856.	41132.	26274.

INTERNAL RATE OF RETURN

ON (4) BFR-TAX NET IN-FLOW (2)-(1) 46.48 PER CENT
 ON (5) AFT-TAX NET IN-FLOW (4)-(3) 32.99 PER CENT

*** PPSA POWER PLANT PROJECT IN POLAND ***
 PRODUCTION COST STATEMENTS
 - INCREMENTAL CASE (BP/WT/G) - (USD 1000)

YEAR	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
PRODUCTION (HP STEAM)	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
FOR BP	0.	0.	-555.	-555.	-555.	-555.	-555.	-555.	-555.	-555.
PURE WATER	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
FUEL	0.	0.	-555.	-555.	-555.	-555.	-555.	-555.	-555.	-555.
FOR WT	0.	0.	-843.	-843.	-843.	-843.	-843.	-843.	-843.	-843.
RAW WATER	0.	0.	-16.	-16.	-16.	-16.	-16.	-16.	-16.	-16.
HCL	0.	0.	-197.	-197.	-197.	-197.	-197.	-197.	-197.	-197.
NaOH	0.	0.	-630.	-630.	-630.	-630.	-630.	-630.	-630.	-630.
FOR G	0.	0.	-13879.	-13879.	-13879.	-13879.	-13879.	-13879.	-13879.	-13879.
HP STEAM	0.	0.	11861.	11861.	11861.	11861.	11861.	11861.	11861.	11861.
ELECTRICITY	0.	0.	-25740.	-25740.	-25740.	-25740.	-25740.	-25740.	-25740.	-25740.
VARIABLE COST	0.	0.	-15276.	-15276.	-15276.	-15276.	-15276.	-15276.	-15276.	-15276.
EMPLOYMENT COST	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
MAINTENANCE COST	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
OVERHEAD COST	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LAND LEASE COST	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DIRECT FIXED COST	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
CASH FACTORY COST	0.	0.	-15276.	-15276.	-15276.	-15276.	-15276.	-15276.	-15276.	-15276.
DEPRECIABLE ASSETS	0.	0.	2151.	2151.	2151.	2151.	2151.	2151.	2151.	2151.
DEPRECIABLE ASSETS	0.	0.	2151.	2151.	2151.	2151.	2151.	2151.	2151.	2151.
PRE-OPERATIONAL EXPENSES	0.	0.	323.	323.	323.	323.	323.	323.	323.	323.
INTEREST DRG CONST.	0.	0.	408.	408.	408.	408.	408.	408.	408.	408.
DEPRECIATION AND AMORTIZATION	0.	0.	2882.	2882.	2882.	2882.	2882.	2882.	2882.	2882.
TOTAL FACTORY COST	0.0	0.0	-12394.	-12394.	-12394.	-12394.	-12394.	-12394.	-12394.	-12394.
UNIT FACTORY COST	0.0	0.0	-1.0913	-1.0913	-1.0913	-1.0913	-1.0913	-1.0913	-1.0913	-1.0913
SALES EXPENSES	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
GENERAL & ADMI. EXPENSES	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
OTHER EXPENSES	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
GENERAL & ADMI. EXPENSES	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
INTEREST ON MIDDLE TERM DEBT	0.	0.	2155.	1724.	1293.	862.	431.	0.	0.	0.
INTEREST ON MIDDLE TERM DEBT	0.	0.	2155.	1724.	1293.	862.	431.	0.	0.	0.
INTEREST ON SHORT TERM DEBT	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
OTHER NON-OPERATING EXPENSES	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL PRODUCTION COST	0.0	0.0	-10240.	-10671.	-11101.	-11532.	-11963.	-12394.	-12825.	-13256.
UNIT PRODUCTION COST	0.0	0.0	-0.9016	-0.9395	-0.9775	-1.0154	-1.0534	-1.0913	-1.1303	-1.1687

*** PPSA POWER PLANT PROJECT IN POLAND ***
 PRODUCTION COST STATEMENTS
 - INCREMENTAL CASE (BP/WT/G) -
 (USD 1000)

YEAR	2007	2008	2009	2010	2011	2012	2013
PRODUCTION (HP STEAM)	0.	0.	0.	0.	0.	0.	0.
FOR BP	-555.	-555.	-555.	-555.	-555.	-555.	-555.
PURE WATER	0.	0.	0.	0.	0.	0.	0.
FUEL	-555.	-555.	-555.	-555.	-555.	-555.	-555.
FOR WT	-843.	-843.	-843.	-843.	-843.	-843.	-843.
RAW WATER	-16.	-16.	-16.	-16.	-16.	-16.	-16.
HCL	-197.	-197.	-197.	-197.	-197.	-197.	-197.
NaOH	-630.	-630.	-630.	-630.	-630.	-630.	-630.
FOR G	-13879.	-13879.	-13879.	-13879.	-13879.	-13879.	-13879.
HP STEAM	11861.	11861.	11861.	11861.	11861.	11861.	11861.
ELECTRICITY	-25740.	-25740.	-25740.	-25740.	-25740.	-25740.	-25740.
VARIABLE COST	-15276.	-15276.	-15276.	-15276.	-15276.	-15276.	-15276.
EMPLOYMENT COST	0.	0.	0.	0.	0.	0.	0.
EMPLOYMENT COST	0.	0.	0.	0.	0.	0.	0.
MAINTENANCE COST	0.	0.	0.	0.	0.	0.	0.
MAINTENANCE COST	0.	0.	0.	0.	0.	0.	0.
OVERHEAD COST	0.	0.	0.	0.	0.	0.	0.
OVERHEAD COST	0.	0.	0.	0.	0.	0.	0.
INSURANCE COST	0.	0.	0.	0.	0.	0.	0.
INSURANCE COST	0.	0.	0.	0.	0.	0.	0.
LAND LEASE COST	0.	0.	0.	0.	0.	0.	0.
LAND LEASE COST	0.	0.	0.	0.	0.	0.	0.
DIRECT FIXED COST	0.	0.	0.	0.	0.	0.	0.
DIRECT FIXED COST	0.	0.	0.	0.	0.	0.	0.
CASH FACTORY COST	-15276.	-15276.	-15276.	-15276.	-15276.	-15276.	-15276.
CASH FACTORY COST	-15276.	-15276.	-15276.	-15276.	-15276.	-15276.	-15276.
DEPRECIABLE ASSETS	2151.	2151.	2151.	2151.	2151.	2151.	2151.
DEPRECIABLE ASSETS	2151.	2151.	2151.	2151.	2151.	2151.	2151.
PRE-OPERATIONAL EXPENSES	0.	0.	0.	0.	0.	0.	0.
PRE-OPERATIONAL EXPENSES	0.	0.	0.	0.	0.	0.	0.
INTEREST ORG CONST.	0.	0.	0.	0.	0.	0.	0.
INTEREST ORG CONST.	0.	0.	0.	0.	0.	0.	0.
DEPRECIATION AND AMORTIZATION	2151.	2151.	2151.	2151.	2151.	2151.	2151.
DEPRECIATION AND AMORTIZATION	2151.	2151.	2151.	2151.	2151.	2151.	2151.
TOTAL FACTORY COST	-13125.	-13125.	-13125.	-13125.	-13125.	-13125.	-13125.
TOTAL FACTORY COST	-13125.	-13125.	-13125.	-13125.	-13125.	-13125.	-13125.
UNIT FACTORY COST	-1.1557	-1.1557	-1.1557	-1.1557	-1.1557	-1.1557	-1.1557
UNIT FACTORY COST	-1.1557	-1.1557	-1.1557	-1.1557	-1.1557	-1.1557	-1.1557
SALES EXPENSES	0.	0.	0.	0.	0.	0.	0.
SALES EXPENSES	0.	0.	0.	0.	0.	0.	0.
GENERAL & ADM. EXPENSES	0.	0.	0.	0.	0.	0.	0.
GENERAL & ADM. EXPENSES	0.	0.	0.	0.	0.	0.	0.
OTHER EXPENSES	0.	0.	0.	0.	0.	0.	0.
OTHER EXPENSES	0.	0.	0.	0.	0.	0.	0.
GENERAL & ADM. EXPENSES	0.	0.	0.	0.	0.	0.	0.
GENERAL & ADM. EXPENSES	0.	0.	0.	0.	0.	0.	0.
INTEREST ON MIDDLE TERM DEBT	0.	0.	0.	0.	0.	0.	0.
INTEREST ON MIDDLE TERM DEBT	0.	0.	0.	0.	0.	0.	0.
INTEREST ON MIDDLE TERM DEBT	0.	0.	0.	0.	0.	0.	0.
INTEREST ON MIDDLE TERM DEBT	0.	0.	0.	0.	0.	0.	0.
INTEREST ON SHORT TERM DEBT	0.	0.	0.	0.	0.	0.	0.
INTEREST ON SHORT TERM DEBT	0.	0.	0.	0.	0.	0.	0.
OTHER NON-OPERATING EXPENSES	0.	0.	0.	0.	0.	0.	0.
OTHER NON-OPERATING EXPENSES	0.	0.	0.	0.	0.	0.	0.
TOTAL PRODUCTION COST	-13125.	-13125.	-13125.	-13125.	-13125.	-13125.	-13125.
TOTAL PRODUCTION COST	-13125.	-13125.	-13125.	-13125.	-13125.	-13125.	-13125.
UNIT PRODUCTION COST	-1.1557	-1.1557	-1.1557	-1.1557	-1.1557	-1.1557	-1.1557
UNIT PRODUCTION COST	-1.1557	-1.1557	-1.1557	-1.1557	-1.1557	-1.1557	-1.1557

*** PPSA POWER PLANT PROJECT IN POLAND ***
 WORKING CAPITAL STATEMENTS
 - INCREMENTAL CASE (BP/WT/G) -
 (USD 1000)

YEAR	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
CURRENT ASSETS	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
ACCOUNT RECEIVABLE	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
INVENTORIES	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
PRODUCT INVENTORY	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
MATERIAL INVENTORY	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
CASH IN HAND	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
CURRENT LIABILITIES W/O DEBT	0.	0.	-69.	-69.	-69.	-69.	-69.	-69.	-69.	-69.
ACCOUNT PAYABLE	0.	0.	-69.	-69.	-69.	-69.	-69.	-69.	-69.	-69.
CHEMICALS	0.	0.	-69.	-69.	-69.	-69.	-69.	-69.	-69.	-69.
OTHERS	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
PERMANENT WORKING CAPITAL	0.	0.	69.	69.	69.	69.	69.	69.	69.	69.
CHANGE IN WORKING CAPITAL	0.	0.	69.	0.	0.	0.	0.	0.	0.	0.

*** PPSA POWER PLANT PROJECT IN POLAND ***
 WORKING CAPITAL STATEMENTS
 - INCREMENTAL CASE (BP/WT/G) - (USD 1000)

YEAR	2007	2008	2009	2010	2011	2012	2013
CURRENT ASSETS	0.	0.	0.	0.	0.	0.	0.
ACCOUNT RECEIVABLE	0.	0.	0.	0.	0.	0.	0.
INVENTORIES	0.	0.	0.	0.	0.	0.	0.
PRODUCT INVENTORY	0.	0.	0.	0.	0.	0.	0.
MATERIAL INVENTORY	0.	0.	0.	0.	0.	0.	0.
CASH IN HAND	0.	0.	0.	0.	0.	0.	0.
CURRENT LIABILITIES W/O DEBT	-69.	-69.	-69.	-69.	-69.	-69.	-69.
ACCOUNT PAYABLE	-69.	-69.	-69.	-69.	-69.	-69.	-69.
CHEMICALS	-69.	-69.	-69.	-69.	-69.	-69.	-69.
OTHERS	0.	0.	0.	0.	0.	0.	0.
PERMANENT WORKING CAPITAL	69.	69.	69.	69.	69.	69.	69.
CHANGE IN WORKING CAPITAL	0.	0.	0.	0.	0.	0.	0.

*** PPSA POWER PLANT PROJECT IN POLAND ***
 INCOME STATEMENTS
 - INCREMENTAL CASE (BP/WT/G) - (USD 1000)

YEAR	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
OPERATING INCOME	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
TOTAL SALES REVENUE	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
COST OF SALES	0.	0.	-12394.	-12394.	-12394.	-12394.	-12394.	-13125.	-13125.	-13125.
VARIABLE COST	0.	0.	-15276.	-15276.	-15276.	-15276.	-15276.	-15276.	-15276.	-15276.
DIRECT FIXED COST	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEPRECIATION AND AMORTIZATION	0.	0.	2882.	2882.	2882.	2882.	2882.	2151.	2151.	2151.
INC. IN PRODUCT INVENTORY	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
GROSS PROFIT ON SALES	0.	0.	12394.	12394.	12394.	12394.	12394.	13125.	13125.	13125.
SALES EXPENSES	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
GENERAL & ADMI. EXPENSES	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
OPERATING PROFIT	0.	0.	12394.	12394.	12394.	12394.	12394.	13125.	13125.	13125.
NON-OPERATING EXPENSES	0.	0.	2155.	1724.	1293.	862.	431.	0.	0.	0.
INTEREST ON MIDDLE TERM DEBT	0.	0.	2155.	1724.	1293.	862.	431.	0.	0.	0.
INTEREST ON SHORT TERM DEBT	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
OTHER NON-OPERATING EXPENSES	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
NET PROFIT OR (LOSS) BEFORE TAX	0.	0.	10240.	10671.	11101.	11532.	11963.	13125.	13125.	13125.
INCOME TAX	0.	0.	4096.	4268.	4441.	4613.	4785.	5250.	5250.	5250.
NET PROFIT OR (LOSS) AFTER TAX	0.	0.	6144.	6402.	6661.	6919.	7178.	7875.	7875.	7875.
DIVIDENDS	0.	0.	307.	320.	333.	346.	359.	394.	394.	394.
RETAINED EARNINGS	0.	0.	5837.	6082.	6328.	6573.	6819.	7481.	7481.	7481.

*** PRSA POWER PLANT PROJECT IN POLAND ***
 INCOME STATEMENTS
 - INCREMENTAL CASE (BP/WT/G) - (USD 1000)

YEAR	2007	2008	2009	2010	2011	2012	2013
OPERATING INCOME	0.	0.	0.	0.	0.	0.	0.
TOTAL SALES REVENUE	0.	0.	0.	0.	0.	0.	0.
COST OF SALES	-13125.	-13125.	-13125.	-13125.	-13125.	-13125.	-13125.
VARIABLE COST	-15276.	-15276.	-15276.	-15276.	-15276.	-15276.	-15276.
DIRECT FIXED COST	0.	0.	0.	0.	0.	0.	0.
DEPRECIATION AND AMORTIZATION	2151.	2151.	2151.	2151.	2151.	2151.	2151.
INC. IN PRODUCT INVENTORY	0.	0.	0.	0.	0.	0.	0.
GROSS PROFIT ON SALES	13125.	13125.	13125.	13125.	13125.	13125.	13125.
SALES EXPENSES	0.	0.	0.	0.	0.	0.	0.
GENERAL & ADMI. EXPENSES	0.	0.	0.	0.	0.	0.	0.
OPERATING PROFIT	13125.	13125.	13125.	13125.	13125.	13125.	13125.
NON-OPERATING EXPENSES	0.	0.	0.	0.	0.	0.	0.
INTEREST ON MIDDLE TERM DEBT	0.	0.	0.	0.	0.	0.	0.
INTEREST ON SHORT TERM DEBT	0.	0.	0.	0.	0.	0.	0.
OTHER NON-OPERATING EXPENSES	0.	0.	0.	0.	0.	0.	0.
NET PROFIT OR (LOSS) BEFORE TAX	13125.	13125.	13125.	13125.	13125.	13125.	13125.
INCOME TAX	5250.	5250.	5250.	5250.	5250.	5250.	5250.
NET PROFIT OR (LOSS) AFTER TAX	7875.	7875.	7875.	7875.	7875.	7875.	7875.
DIVIDENDS	394.	394.	394.	394.	394.	394.	394.
RETAINED EARNINGS	7481.	7481.	7481.	7481.	7481.	7481.	7481.

*** PPSA POWER PLANT PROJECT IN POLAND ***
 FUNDS FLOW STATEMENTS
 - INCREMENTAL CASE (BP/WT/G) - (USD 1000)

YEAR	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
SOURCE OF FUNDS										
CASH GENERATED FROM OPERATION	13790.	20685.	11181.	11008.	10336.	10663.	10491.	10026.	10026.	10026.
PROFIT AFT. TAX. BFR INT.	0.	0.	11181.	11008.	10336.	10663.	10491.	10026.	10026.	10026.
DEPRECIATION AND AMORTIZATION	0.	0.	8298.	8126.	7954.	7781.	7609.	7875.	7875.	7875.
FINANCIAL RESOURCES	13790.	20685.	0.	2882.	2882.	2882.	2882.	2151.	2151.	2151.
SHARE CAPITAL	6895.	10342.	0.	0.	0.	0.	0.	0.	0.	0.
MIDDLE TERM DEBT	6895.	10342.	0.	0.	0.	0.	0.	0.	0.	0.
SHORT TERM DEBT	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
USES OF FUNDS										
FIXED CAPITAL EXPENDITURE	14369.	21553.	5978.	5491.	5073.	4655.	4237.	394.	394.	394.
NON-DEPRECIABLE ASSETS	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEPRECIABLE FIXED ASSETS	13552.	20328.	0.	0.	0.	0.	0.	0.	0.	0.
INTEREST DURING CONSTRUCTION	317.	1225.	0.	0.	0.	0.	0.	0.	0.	0.
CHANGE IN WORKING CAPITAL	0.	0.	69.	0.	0.	0.	0.	0.	0.	0.
DEBT SERVICES	0.	0.	5602.	5171.	4740.	4309.	3878.	0.	0.	0.
REPAYMENT OF MIDDLE TERM DEBT	0.	0.	3447.	3447.	3447.	3447.	3447.	0.	0.	0.
REPAYMENT OF SHORT TERM DEBT	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
INTEREST ON MIDDLE TERM DEBT	0.	0.	2155.	1724.	1293.	862.	431.	0.	0.	0.
INTEREST ON SHORT TERM DEBT	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DIVIDENDS	0.	0.	307.	320.	333.	346.	359.	394.	394.	394.
CASH INCREASE OR (DECREASE)	-579.	-868.	5202.	5517.	5763.	6008.	6254.	9633.	9633.	9633.
BEGINNING CASH BALANCE	0.	-579.	-1447.	3755.	9272.	15034.	21042.	27296.	36929.	46561.
ENDING CASH BALANCE	-579.	-1447.	3755.	9272.	15034.	21042.	27296.	36929.	46561.	56194.

*** PPSA POWER PLANT PROJECT IN POLAND ***
 FUNDS FLOW STATEMENTS
 - INCREMENTAL CASE (BP/WT/G) - (USD 1000)

YEAR	2007	2008	2009	2010	2011	2012	2013
SOURCE OF FUNDS							
CASH GENERATED FROM OPERATION	10026.	10026.	10026.	10026.	10026.	10026.	10026.
PROFIT AFT. TAX. BFR INT.	7875.	7875.	7875.	7875.	7875.	7875.	7875.
DEPRECIATION AND AMORTIZATION	2151.	2151.	2151.	2151.	2151.	2151.	2151.
FINANCIAL RESOURCES	0.	0.	0.	0.	0.	0.	0.
SHARE CAPITAL	0.	0.	0.	0.	0.	0.	0.
MIDDLE TERM DEBT	0.	0.	0.	0.	0.	0.	0.
SHORT TERM DEBT	0.	0.	0.	0.	0.	0.	0.
USES OF FUNDS	394.	394.	394.	394.	394.	394.	394.
FIXED CAPITAL EXPENDITURE	0.	0.	0.	0.	0.	0.	0.
NON-DEPRECIABLE ASSETS	0.	0.	0.	0.	0.	0.	0.
DEPRECIABLE FIXED ASSETS	0.	0.	0.	0.	0.	0.	0.
INTEREST DURING CONSTRUCTION	0.	0.	0.	0.	0.	0.	0.
CHANGE IN WORKING CAPITAL	0.	0.	0.	0.	0.	0.	0.
DEBT SERVICES	0.	0.	0.	0.	0.	0.	0.
REPAYMENT OF MIDDLE TERM DEBT	0.	0.	0.	0.	0.	0.	0.
REPAYMENT OF SHORT TERM DEBT	0.	0.	0.	0.	0.	0.	0.
INTEREST ON MIDDLE TERM DEBT	0.	0.	0.	0.	0.	0.	0.
INTEREST ON SHORT TERM DEBT	0.	0.	0.	0.	0.	0.	0.
DIVIDENDS	394.	394.	394.	394.	394.	394.	394.
CASH INCREASE OR (DECREASE)	9633.	9633.	9633.	9633.	9633.	9633.	9633.
BEGINNING CASH BALANCE	56194.	65826.	75459.	85091.	94724.	104356.	113989.
ENDING CASH BALANCE	65826.	75459.	85091.	94724.	104356.	113989.	123621.

*** PPSA POWER PLANT PROJECT IN POLAND ***
 BALANCE SHEET
 - INCREMENTAL CASE (BP/WT/G) - (USD 1000)

YEAR	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
ASSETS	13790.	34474.	36795.	39429.	42310.	45436.	48807.	56289.	63770.	71252.
CURRENT ASSETS	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
CASH IN HAND	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
ACCOUNT RECEIVABLE	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
INVENTORIES	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
ACC. EXCESS CASH	-579.	-1447.	3755.	9272.	15034.	21042.	27296.	36929.	46561.	56194.
NET FIXED ASSETS	14369.	35922.	33040.	30158.	27275.	24393.	21511.	19360.	17209.	15058.
INVESTMENT	14369.	35922.	35922.	35922.	35922.	35922.	35922.	35922.	35922.	35922.
NON-DEPR. ASSETS	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEPRECIABLE ASSETS	13552.	33880.	33880.	33880.	33880.	33880.	33880.	33880.	33880.	33880.
AMORTIZATION	817.	2042.	2042.	2042.	2042.	2042.	2042.	2042.	2042.	2042.
LESS: ACC. DEPRECIATION	0.	0.	2882.	5764.	8646.	11529.	14411.	16562.	18713.	20864.
LIABILITIES	6895.	17237.	13721.	10279.	6826.	3379.	-69.	-69.	-69.	-69.
CURRENT LIABILITIES	0.	3447.	3379.	3379.	3379.	3379.	-69.	-69.	-69.	-69.
ACCOUNT PAYABLE	0.	0.	-69.	-69.	-69.	-69.	-69.	-69.	-69.	-69.
CURRENT PORTION OF M/T DEBT	0.	3447.	3447.	3447.	3447.	3447.	0.	0.	0.	0.
SHORT TERM DEBT	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
FIXED LIABILITIES	6895.	13790.	10342.	6895.	3447.	0.	0.	0.	0.	0.
MIDDLE TERM DEBT BALANCE	6895.	13790.	10342.	6895.	3447.	0.	0.	0.	0.	0.
OTHER FIXED LIABILITIES	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
STOCK HOLDERS EQUITY	6895.	17237.	23074.	29156.	35404.	42057.	48876.	56356.	63839.	71320.
SHARE CAPITAL	6895.	17237.	17237.	17237.	17237.	17237.	17237.	17237.	17237.	17237.
ACC. RETAINED EARNINGS	0.	0.	5837.	11919.	18247.	24820.	31639.	39120.	46602.	54083.
LIABILITIES & S/H EQUITY	13790.	34474.	36795.	39429.	42310.	45436.	48807.	56289.	63770.	71252.

*** PPSA POWER PLANT PROJECT IN POLAND ***
 BALANCE SHEET
 - INCREMENTAL CASE (BP/WT/G) - (USD 1000)

YEAR	2007	2008	2009	2010	2011	2012	2013
ASSETS	78733.	86214.	93696.	101177.	106558.	116140.	123621.
CURRENT ASSETS	0.	0.	0.	0.	0.	0.	0.
CASH IN HAND	0.	0.	0.	0.	0.	0.	0.
ACCOUNT RECEIVABLE	0.	0.	0.	0.	0.	0.	0.
INVENTORIES	0.	0.	0.	0.	0.	0.	0.
ACC. EXCESS CASH	65826.	75459.	85091.	94724.	104356.	113989.	123621.
NET FIXED ASSETS	12907.	10756.	8604.	6453.	4302.	2151.	0.
INVESTMENT	35922.	35922.	35922.	35922.	35922.	35922.	35922.
NON-DEPR. ASSETS	0.	0.	0.	0.	0.	0.	0.
DEPRECIABLE ASSETS	33880.	33880.	33880.	33880.	33880.	33880.	33880.
AMORTIZATION	2042.	2042.	2042.	2042.	2042.	2042.	2042.
LESS: ACC. DEPRECIATION	23015.	25166.	27317.	29468.	31620.	33771.	35922.
LIABILITIES	-69.	-69.	-69.	-69.	-69.	-69.	-69.
CURRENT LIABILITIES	-69.	-69.	-69.	-69.	-69.	-69.	-69.
ACCOUNT PAYABLE	0.	0.	0.	0.	0.	0.	0.
CURRENT PORTION OF M/T DEBT	0.	0.	0.	0.	0.	0.	0.
SHORT TERM DEBT	0.	0.	0.	0.	0.	0.	0.
FIXED LIABILITIES	0.	0.	0.	0.	0.	0.	0.
MIDDLE TERM DEBT BALANCE	0.	0.	0.	0.	0.	0.	0.
OTHER FIXED LIABILITIES	0.	0.	0.	0.	0.	0.	0.
STOCK HOLDERS EQUITY	78802.	86283.	93765.	101246.	108727.	116209.	123690.
SHARE CAPITAL	17237.	17237.	17237.	17237.	17237.	17237.	17237.
ACC. RETAINED EARNINGS	61565.	69046.	76527.	84009.	91490.	98972.	106453.
LIABILITIES & S/H EQUITY	78733.	86214.	93696.	101177.	106558.	116140.	123621.

*** PPSA POWER PLANT PROJECT IN POLAND ***
 PROFITABILITY AND FINANCIAL INDICATORS
 - INCREMENTAL CASE (BP/WT/G) - (USD 1000)

YEAR	(1) AFT TAX PROFIT -TO- SALES REV S/H EQUITY (PCT)	(2) AFT TAX PROFIT -TO- S/H EQUITY (PCT)	(3) BEF TAX PROFIT -TO- INVESTMENT (PCT)	(4) AFT TAX PROFIT -TO- CAPITAL (PCT)	(5) CURRENT RATIO	(6) QUICK RATIO	(7) DEBT SERVICE RATIO	(8) L/T DEBT -TO- S/H EQUITY	(9)* PROFIT B.E.P. CAPACITY UTILIZE (PCT)	(10)* CASH B.E.P. SALES PRICE (PRICE)	(11)* CASH B.E.P. CAPACITY UTILIZE (PCT)
AVERAGE1*****	11.3	30.6	38.2	38.2	*****	0.0	*****	9 / 91	*****	*****	*****
AVERAGE2*****	10.2	31.7	39.6	39.6	0.0	0.0	6.52	4 / 96	*****	*****	*****

(AVERAGE1) : SUM OF ANNUAL FIGURES OF PERCENTAGE AND RATIO IS DIVIDED BY NO. OF YEARS(SIMPLE AVERAGE)
 (AVERAGE2) : AVERAGE FIGURES ARE CALCULATED BY ACTUAL VALUES ACCUMULATED OVER THE PROJECT LIFE(WEIGHTED AVERAGE)
 * NOTE FOR (9),(10),(11)
 WHEN THERE ARE TWO OR MORE PRODUCTS, AND DURING THE YEARS WHEN ALL OF PRODUCTS ARE NOT PRODUCED AT THE SAME RATE
 OF CAPACITY UTILIZATION, ABOVE BREAK-EVEN-POINTS CANNOT GIVE CORRECT FIGURES.

*** PPSA POWER PLANT PROJECT IN POLAND ***
 RETURN ON INVESTMENT (IN '94 FIXED PRICE)
 - INCREMENTAL CASE (BP/WT/G) - (USD 1000)

YEAR	FIXED CAPITAL EXPEND.	CHANGE IN (1) WORKING CAPITAL	GROSS CAPITAL EXPENDTR	OPERATING PROFIT	DEPRECIATION	GROSS CASH IN-FLOW	(3) INCOME TAX	(4) BFR-TAX NET IN-FLOW (2)-(1)	(5) AFT-TAX NET IN-FLOW (4)-(3)
1997	1352.	0.	1352.	0.	0.	0.	0.	-1352.	-1352.
1998	20328.	0.	20328.	0.	0.	0.	0.	-20328.	-20328.
1999	0.	69.	69.	12394.	2882.	15276.	4096.	15207.	11112.
2000	0.	0.	0.	12394.	2882.	15276.	4268.	15276.	11008.
2001	0.	0.	0.	12394.	2882.	15276.	4441.	15276.	10836.
2002	0.	0.	0.	12394.	2882.	15276.	4613.	15276.	10663.
2003	0.	0.	0.	12394.	2882.	15276.	4785.	15276.	10491.
2004	0.	0.	0.	13125.	2151.	15276.	5250.	15276.	10026.
2005	0.	0.	0.	13125.	2151.	15276.	5250.	15276.	10026.
2006	0.	0.	0.	13125.	2151.	15276.	5250.	15276.	10026.
2007	0.	0.	0.	13125.	2151.	15276.	5250.	15276.	10026.
2008	0.	0.	0.	13125.	2151.	15276.	5250.	15276.	10026.
2009	0.	0.	0.	13125.	2151.	15276.	5250.	15276.	10026.
2010	0.	0.	0.	13125.	2151.	15276.	5250.	15276.	10026.
2011	0.	0.	0.	13125.	2151.	15276.	5250.	15276.	10026.
2012	0.	0.	0.	13125.	2151.	15276.	5250.	15276.	10026.
2013	-0.	-69.	-69.	13125.	2151.	15276.	5250.	15345.	10085.
	33880.	0.	33880.	193223.	35922.	229145.	74704.	195265.	120561.

INTERNAL RATE OF RETURN

ON (4) BFR-TAX NET IN-FLOW (2)-(1) 38.71 PER CENT

ON (5) AFT-TAX NET IN-FLOW (4)-(3) 27.59 PER CENT

ANNEX 6

ENVIRONMENTAL QUALITY STANDARDS

ANNEX 6 ENVIRONMENTAL QUALITY STANDARDS

6.1 Environmental Quality Standards for Air Pollutants

6.2 Environmental Quality Standards for Air, Water and Noise Pollution

Annex 6-1(1) ENVIRONMENTAL QUALITY STANDARDS FOR AIR POLLUTION (COUNTRY-WISE)

Substance	Japan		Brazil		Bulgaria	Peru	Poland	Malaysia	South Africa	Mexico	Romania	Russia
	1st Standard	2nd Standard	1st Standard	2nd Standard								
Sulfur Dioxide SO ₂ [ppm]	Annual average	(0.018)	0.028	0.014	-	0.060	0.011	-	0.028	-	0.021	-
	Monthly average	-	-	-	-	-	-	-	-	-	-	-
	24hr av. of 1hr*	0.04	0.13	0.03	-	0.30	0.07	0.04	0.09	0.12	0.09	0.05
	1 hr. value	0.1	-	-	-	0.17	-	0.13	0.27	-	-	-
	30 min. value	-	-	-	-	-	0.21	-	-	-	0.26	-
10 min. value	-	-	-	-	-	-	0.19	-	-	-	-	
Nitrogen Dioxide NO ₂ [ppm]	Annual average	(0.02~0.03)	0.053	0.053	-	-	0.027	-	0.144	-	0.021	-
	24hr av. of 1hr*	0.04~0.06	-	-	0.02	0.11	0.08	-	0.29	-	0.05	-
	1 hr. value	(0.1~0.2)	0.17	0.10	0.05	-	0.27	0.17	0.57	0.21	0.16	-
Nitrogen Monoxide CO [ppm]	Annual average	-	-	-	-	-	0	-	-	-	-	-
	24hr av. of 1hr*	10	-	-	3	-	1	-	-	-	2	1
	8 hr. value	20	9	9	-	17	-	9	-	13	-	-
	1 hr. value	-	35	35	4	35	-	30	-	-	-	-
	30 min. value	-	-	-	-	-	(2hr val. ↑)	4	-	-	5	-
15 min. value	-	-	-	-	-	-	-	-	-	-	-	
Photochemical Oxidant OX [ppm]	Target subs.**	-	Ozone	Ozone	-	-	Ozone	Ozone	-	-	Ozone	-
	Annual average	-	-	-	0.015	-	0.015	-	0.050	-	0.015	-
	24hr av. of 1hr*	-	-	-	-	0.10	-	0.06	0.12	-	-	-
	8 hr. value	0.06	0.08	0.08	0.08	-	-	0.10	-	0.11	-	-
	30 min. value	-	-	-	-	0.20	0.05	-	-	-	0.05	-
Suspended Particulate Matter SPM [mg/m ³]	10µmCut	100%	50%	50%	-	-	-	50%	-	-	-	-
	Annual average	-	0.05	0.05	-	-	-	0.06	-	-	-	-
	24hr av. of 1hr*	0.1	0.15	0.15	-	-	-	0.15	-	-	-	-
	1 hr. value	0.2	-	-	-	-	-	-	-	-	-	-
	Other Substances	-	TSP, smoke	TSP, smoke	TSP	TSP, As, Pb, smoke	TSP	TSP	TSP, Pb, soot & smoke	Pb, TSP, smoke	TSP	smoke, TSP, other 25 substances	Total 380 substances incl. TSP.
Definitions and Remarks	Desirable standards for maintaining protection of human health. National policy target.	Except for annual average, no appearance more than one time in a year.	Except for annual average, no appearance more than one time in a year.	24 hour average of hourly value for SO ₂ and TSP. No appearance more than one time in a year for 30 minute value of O ₃ and monthly average respectively.	NO ₂ is stipulated for 30 minute value, but described in a column of hourly value.	For Q. standard of Mexico City.	For Q. standard of Mexico City.	NO ₂ is stipulated for 30 minute value, but described in a column of hourly value.	NO ₂ is stipulated for 30 minute value, but described in a column of hourly value.	NO ₂ is stipulated for 30 minute value, but described in a column of hourly value.	NO ₂ is stipulated for 30 minute value, but described in a column of hourly value.	NO ₂ is stipulated for 30 minute value, but described in a column of hourly value.
	Evaluation for annual average is to be made excluding highest 2% or 98% values.											

Notes : 1. The simpler comparison cannot be made due to the difference of methodology for projecting values.
 2. The values in the parentheses in the column of Japan do not mean the environmental quality standard, but the values on which the standards are projected.
 3. The values of suspended particulates by high volume air sampler are indicated as Total Suspended Particulates.
 4. In the case that the units are different from the units being used in Japan, they are converted to the units prevalent in Japan.
 5. * : 24 hour average of one hour value 6. ** : Target substances

Source: World Air Pollution Standards and Risk Assessment Today and Tomorrow (1993)

Annex 6-1(2) ENVIRONMENTAL QUALITY STANDARDS FOR AIR POLLUTION (COUNTRY-WISE)

	Japan	WHO	EC: UK, France Italy, Belgium	U.S.A.		Argentina	Israel
				1st Standard	2nd Standard		
Sulfur Dioxide SO ₂ [ppm]	Annual average (0.018)	0.017	0.014~0.021	0.030	-	-	0.021
	Monthly avera. 24hr av. of 1hr*	0.04	-	0.14	(3hr value↓)	0.2	-
	1 hr. value	0.1	0.035~0.053	-	0.05	(3hr val.↑)	0.10
	30 min. value	-	-	-	-	-	0.26
Nitrogen Dioxide NO ₂ [ppm]	10 min. value	0.17	-	-	-	-	-
	Annual average (0.02~0.03)	-	0.027	0.053	0.053	-	-
	24hr av. of 1hr*	0.08	0.07	-	-	-	-
Nitrogen Monoxide CO [ppm]	(0.1~0.2)	0.21	-	-	-	-	-
	Annual average	-	-	-	-	-	-
	24hr av. of 1hr*	10	-	-	-	-	-
	8 hr. value	20	9	-	-	10	10
CO ₂ [ppm]	1 hr value	-	-	35	-	50	52
	30 min. value	-	-	-	-	-	-
	15 min. value	-	-	-	-	-	-
Photo-chemical Oxidant OX [ppm]	Target subs. **	Ozone	-	Ozone	-	-	Ozone
	Annual average	-	-	-	-	-	0.033
	24hr av. of 1hr*	-	-	-	-	-	-
	8 hr. value	0.06	0.05~0.06	0.12	0.12	0.10	-
Suspended Particulate Matter SPM [mg/m ³]	1 hr. value	-	-	-	-	-	-
	30 min. value	-	-	-	-	-	0.12
	10µmCut	100%	50%	50%	50%	-	-
	Annual average	-	-	0.05	0.05	-	-
Other Substances	24hr av. of 1hr*	0.1	-	0.15	0.15	-	-
	1 hr. value	0.2	SP by black smoke method	Pb	Pb	NOx, TSP, soot and smoke	U.S. NOx, TSP, Pb, soot & smoke
Definitions and Remarks	Desirable standards for maintaining protection of human health. National policy target. Evaluation for annual average is to be made excluding highest 2% or 98% values.	The values for supplying guidance or background data for governments which plan to establish the standards of risk administration. The values are considered not to badly affect human health. Almost of above values are projected by the office of European area.	The values are used as guidelines. NO _x is stipulated as a median of one hour value and 98% value. The former is described in a column of annual average and the latter in a column of daily average.	The standards which include suitable safety allowance for protecting public health.	The standards which protect welfare of public people from hazardous effects anticipated with relation to air pollution.	Maximum allowable limits.	As for ozone, scheduled to re-duce 2/3 hour value with 4 to 6 hour values.
				Stipulated not exceeding more than one time in a year except the standards of annual averages.			

Notes: 1. The simpler comparison cannot be made due to the difference of methodology for projecting values.

2. The values in the parentheses in the column of Japan do not mean the environmental quality standard, but the values on which the standards are projected.

3. The values of suspended particulates by high volume air sampler are indicated as Total Suspended Particulates.

4. In the case that the units are different from the units being used in Japan, they are converted to the units prevalent in Japan.

5. * : 24 hour average of one hour value
6. ** : Target substances

Annex 6-1(3) ENVIRONMENTAL QUALITY STANDARDS FOR AIR POLLUTION (COUNTRY-WISE)

	Japan		Indonesia	Egypt	Australia	The Netherlands	Canada	
	desirable	tolerable				desirable	acceptable	tolerable
Sulfur Dioxide SO ₂ [ppm]	Annual average (0.018)				0.020		0.021	
	Monthly avera.							
	24hr av. of 1hr*	0.04		0.07		0.03	0.10	0.28
	1 hr. value	0.1	0.10				0.31	
Nitrogen NO _x [ppm]	30 min. value							
	10 min. value							
Nitrogen Monoxide NO [ppm]	Annual average (0.02~0.03)						0.053	
	24hr av. of 1hr* (0.04~0.06)			0.10			0.11	0.16
Nitrogen Monoxide NO [ppm]	1 hr. value (0.1~0.2)				0.16	0.04	0.21	0.53
	Annual average							
	24hr av. of 1hr*	10		3				
	8 hr. value	20	20		9		13	17
	1 hr. value						31	
Photo-chemical Oxidant OX [ppm]	30 min. value							
	15 min. value							
Suspended Particulate Matter SPM [mg/m ³]	Target subs. #							
	Annual average						0.015	
	24hr av. of 1hr*						0.025	
	8 hr. value							
Other Substances	1 hr. value	0.06	0.10		0.12		0.08	0.15
	30 min. value							
Definitions and Remarks	10µm/24	100%						
	Annual average							
Substances	24hr av. of 1hr*	0.1						
	1 hr. value	0.2						
Definitions and Remarks	TSP, NOx, HCl, NH ₃ , H ₂ S, Pb				Pb, TSP	Benzene	TSP	TSP
	Desirable standards for maintaining protection of human health. National policy target. Evaluation for annual average is to be made excluding highest 2% or 98% values.				Long term targets for maximum allowable limits. Suspended not exceeding one time in a month as for one hour value, and one time in a year as for 8 hour value.	The values are used as guidelines. Suspended 50, 95, 98% values of 24 hour value as for SO ₂ and 50, 98% values of one hour value as for NO _x . The both values in the table indicate 98% values for projecting values.	The long term target, on which the national assembly will formulate environmental protection policy for not polluted area.	The standards for adequately protecting soil, water, plants, animals, view range and individual comfort and welfare.	The standards for requiring immediate actions for decreasing pollutants in order to protect ambient air from getting worse to the degree which ultimately cause serious risks on general style of life and/or public hygiene.

Notes : 1. The simpler comparison cannot be made due to the difference of methodology for projecting values.
 2. The values in the parentheses in the column of Japan do not mean the environmental quality standard, but the values on which the standards are projected.
 3. The values of suspended particulates by high volume air sampler are indicated as Total Suspended Particulates.
 4. In the case that the units are different from the units being used in Japan, they are converted to the units prevalent in Japan.
 5. * : 24 hour average of one hour value
 6. ** : Target substances

Annex 6-1(4) ENVIRONMENTAL QUALITY STANDARDS FOR AIR POLLUTION (COUNTRY-WISE)

	Japan		Korea	Kuwait	Colombia	Saudi Arabia	Thailand	Taiwan	China		
		(0.018)	0.050	0.030	0.030	0.030	0.035	0.030	Class I	Class II	Class III
Sulfur Dioxide	Annual average	(0.018)	0.050	0.030	0.030	0.030	0.035	0.030	-	-	-
SO ₂ [ppm]	Monthly av. of 1hr*	0.04	0.15	0.06	-	-	0.10	0.10	0.02	0.05	0.09
	1 hr. value	0.1	-	0.17	-	-	-	0.25	0.05	0.17	0.24
	30 min. value	-	-	-	-	-	-	-	-	-	-
Nitrogen Monoxide	Annual average	(0.02~0.03)	0.050	-	0.050	0.050	-	0.050	0.03	0.05	0.08
	24hr av. of 1hr*	0.04~0.06	-	0.05	-	-	-	-	0.03	0.05	0.08
	1 hr. value	(0.1~0.2)	0.15	-	-	0.35	0.17	0.25	0.05	0.08	0.16
CO [ppm]	Annual average	-	8	-	-	-	-	-	-	3	3
	24hr av. of 1hr*	10	-	8	-	-	-	-	-	9	5
	8 hr. value	20	20	10	12	9	17	9	-	-	-
	1 hr. value	-	-	35	-	35	44	35	9	9	17
	30 min. value	-	-	-	-	-	-	-	-	-	-
Photo-chemical Oxidant	15 min. value	-	-	-	-	-	-	-	-	-	-
	Target subs.**	-	-	Ozone	-	-	-	Ozone	Ozone	Ozone	Ozone
	Annual average	-	0.020	-	-	-	-	-	-	-	-
	24hr av. of 1hr*	-	-	-	-	-	-	0.06	-	-	-
	8 hr. value	-	-	-	-	-	-	-	-	-	-
OX [ppm]	1 hr. value	0.06	0.10	0.08	0.08	0.15	0.09	0.12	0.06	0.080	0.100
	30 min. value	-	-	-	-	-	-	-	-	-	-
	10µmCut	100%	-	-	-	-	-	50%	-	-	-
Suspended Particulate Matter	Annual average	0.1	-	-	-	-	-	0.065	-	-	-
	24hr av. of 1hr*	0.2	-	-	-	-	-	0.125	-	-	-
SPM [mg/m ³]	1 hr. value	-	-	-	-	-	-	-	-	-	-
	Other Substances	-	TSP, HC	TSP, H ₂ S, Ni ₃ , Cl ₂ , NMHC, Pb	TSP	TSP, F ₂	TSP	TSP, Pb	NOx, TSP	NOx, TSP	NOx, TSP
Definitions and Remarks		Desirable standards for maintaining protection of human health. National policy target. Evaluation for annual average is to be made excluding highest 2% or 98% values.	Stipulated not to appear more than 3 times in a year except annual average values.	Stipulated not to appear more than one time in a year as for 24 hour value of SO ₂ and TSP, and not more than 2 times in 30 days at any place as for one hour value of SO ₂ .		Stipulated not to appear more than one time in a year as for CO and ozone, and not more than 2 times in a month as for H ₂ S and 24 hour value of SO ₂ .			Area for sight-seeing and historical ruins.	Area for habitation	Area for industries and traffic congestion

Notes : 1. The simpler comparison cannot be made due to the difference of methodology for projecting values.
 2. The values in the parentheses in the column of Japan do not mean the environmental quality standard, but the values on which the standards are projected.
 3. The values of suspended particulates by high volume air sampler are indicated as Total Suspended Particulates.
 4. In the case that the units are different from the units being used in Japan, they are converted to the units prevalent in Japan.
 5. * : 24 hour average of one hour value 6. * * : Target substances

Annex 6-1(5) ENVIRONMENTAL QUALITY STANDARDS FOR AIR POLLUTION (COUNTRY-WISE)

	Japan	Germany	Turkey	New Zealand	Hungary	The Philippines	Finland
Sulfur Dioxide SO ₂ [ppm]	Annual average (0.018)	0.050	0.021	(3mi val. ↓)	0.024	-	0.014
	Monthly av. of 1h* 24hr av. of 1h* 1 hr. value 30 min. value 10 min. value	- - - 0.15	- 0.05 0.16	- - -	0.02 0.04 -	- 0.05 -	0.13 0.30	- 0.07 0.17
Nitrogen NO _x [ppm]	Annual average (0.02-0.03)	0.040	-	-	0.037	-	-
	24hr av. of 1h* 1 hr. value	(30mi value ↓) 0.11	-	0.05	0.05 0.05	- 0.10	0.08 0.16
Nitrogen Monoxide	Annual average	-	-	-	2	-	-
	24hr av. of 1h* 8 hr. value 1 hr. value 30 min. value 15 min. value	10 20 - - -	9 - - -	- 9 35 -	4 - - 9	- 9 74	- 9 26
Photo-chemical Oxidant OX [ppm]	Target subs. **	Ozone	Ozone	-	Ozone	-	-
	Annual average 8 hr. value 1 hr. value 30 min. value	- - - -	- - - -	- - 0.12	- - 0.050 0.10	- - 0.06	- - -
Suspended Particulate Matter SPM [mg/m ³]	10umCut	50%	-	-	-	-	-
	Annual average 24hr av. of 1h* 1 hr. value	0.1 (30mi value ↓) 0.2	- -	- -	- -	- -	- -
Other Substances		TSP, NO, Pb	smoke	smoke, TSP, inorganic Pb, F ₂ , NMHC, H ₂ S	TSP, smoke	TSP	TSP, Sulfuric acid
	Definitions and Remarks	Desirable standards for maintaining protection of human health. National policy target. Evaluation for annual average is to be made excluding highest 2% or 95% values.	One of key approval conditions for installation and operation of predetermined facilities. Neighboring inhabitant cannot request prohibition of operation for the once approved facilities due to immersion of environmental pollutants.		Stipulated 30 minute value as for NO _x and annual average value as for CO, which are described in a column of one hour value and monthly average value.		Projected 24 hour values by 98% annual value, and one hour value by 99% 30 day value except CO. As for SO ₂ , separate standards are stipulated except towns and big villages.

Notes : 1. The simpler comparison cannot be made due to the difference of methodology for projecting values.
 2. The values in the parentheses in the column of Japan do not mean the environmental quality standard, but the values on which the standards are projected.
 3. The values of suspended particulates by high volume air sampler are indicated as Total Suspended Particulates.
 4. In the case that the units are different from the units being used in Japan, they are converted to the units prevalent in Japan.
 5. * : 24 hour average of one hour value
 6. ** : Target substances

1.1 Environmental quality standards regarding air pollution

Substance	Sulfur dioxide	Carbon monoxide	Suspended Particulate Matter	Photo-chemical oxidant
Environmental conditions	Daily average of hourly values shall be below 0.04 ppm, and one hour value shall be below 0.1 ppm.	Daily average of hourly values shall be below 10 ppm, and eight-hour mean value shall be below 20 ppm.	Daily average of hourly values shall be below 0.10 mg/m ³ , and one hour value shall be below 0.20 mg/m ³ .	Hourly value shall be below 0.06 ppm.
Measuring methods	Conductometric method	Non-dispersive infrared analyzer method	Weight concentration measuring methods based on filtration collection or light scattering method, or Piezo-electric microbalance method or β -ray attenuation method yielding values having a linear relation with the values of the above method.	Absorptiometry using neutral potassium iodide solution, or coulometry.

Notes : 1. Suspended Particulate Matter means airborne particles of 10 microns or less in diameter.
 2. Photo-chemical oxidants are oxidizing substances such as ozone and peroxyacetyl nitrate produced by photo-chemical reactions (only those capable of isolating iodine from neutral potassium iodide, excluding nitrogen dioxide).

1.2 Environmental quality standard for nitrogen dioxide

- (1) The environmental quality standard for nitrogen dioxide shall be as follows:
 The daily average of hourly values shall be within or lower than the range between 0.04 ppm and 0.06 ppm.
- (2) The environmental quality standard mentioned in (1). shall be based on the measured value obtained by the absorptiometry using Saltzman reagent at a place where it is considered to be able to ascertain accurately the state of air pollution by nitrogen dioxide.
- (3) The environmental quality standard mentioned in (1). shall not apply to exclusive industrial districts, roads or other regions or places where the general public do not usually live.

2.1 Environmental quality standards regarding water pollution

2.1.1 Environmental quality standards regarding the protection of the human health (The Environment Agency Notification No. 16, 1993)

Item	Standard value
Cadmium	0.01 mg/l or less
Total cyanide	Not detectable
Lead	0.01 mg/l or less
Chromium (hexavalent)	0.05 mg/l or less
Arsenic	0.01 mg/l or less
Total mercury	0.0005 mg/l or less
Alkyl mercury	Not detectable
PCB	Not detectable
Trichloroethylene	0.03 mg/l or less
Tetrachloroethylene	0.01 mg/l or less
Carbon tetrachloride	0.002 mg/l or less
Dichloromethane.	0.02 mg/l or less
1,2-Dichloroethane	0.004 mg/l or less
1,1,1-Trichloroethane	1 mg/l or less
1,1,2-Trichloroethane	0.006 mg/l or less
1,1-Dichloroethylene	0.02 mg/l or less
cis-1,2-Dichloroethylene	0.04 mg/l or less
1,3-Dichloropropene (D-D)	0.002 mg/l or less
Thiram (TMTD) (bis (dimethylthiocarbamoyl) disulfide)	0.006 mg/l or less
Simazine (CAT) (2-chloro-4,6 bis (ethylamino)-1,3,5-triazine)	0.003 mg/l or less
Thiobencarb (S-p-chlorobenzyl diethylthiocarbamate)	0.02 mg/l or less
Benzene	0.01 mg/l or less
Selenium	0.01 mg/l or less

Environmental quality standards (the Environment Agency Notification No. 59, 1971) was amended by the notification No. 16 on March 8, 1993 which will be followed by the establishment of waste effluent standards soon to be revised.

2.1.2 Environmental quality standards regarding the protection of the human health (The Environment Agency Notification No. 59, 1971)

Item	Standard value ¹⁾
Cadmium	0.01 mg/l or less
Cyanide	Not detectable
Organic phosphorus ²⁾	Not detectable
Lead	0.1 mg/l or less
Chromium (hexavalent)	0.05 mg/l or less
Arsenic	0.05 mg/l or less
Total mercury	0.0005 mg/l or less
Alkyl mercury	Not detectable
PCB	Not detectable

1. Maximum values. But with regard to Total mercury, standard value is based on the yearly average value.
2. Organic phosphorus includes Parathion, Methyl Parathion, Methyl Demeton and EPN.
3. "Not detectable" means that the substance is below the level detectable by the specified method.
4. The standard for Total mercury is 0.001 mg/l or less in case it is obvious that pollution in rivers is caused by natural factors.

2.2 Environmental quality standards regarding the prevention of the living environment

2.2.1 Rivers (excluding lakes)

Category	Item Purposes of water use	Standard values ¹				
		pH	Biochemical Oxygen Demand (BOD)	Suspended Solids (SS)	Dissolved Oxygen (DO)	Number of Coliform Groups
AA	Water supply class 1, conservation of natural environment and uses listed in A-E.	6.5 - 8.5	1 mg/l or less	25 mg/l or less	7.5 mg/l or more	50 MPN/100ml or less
A	Water supply class 2, Fishery class 1, bathing and uses listed in B-E.	6.5 - 8.5	2 mg/l or less	25 mg/l or less	7.5 mg/l or more	1,000 MPN/100ml or less
B	Water supply class 3, Fishery class 2, and uses listed in C-E.	6.5 - 8.5	3 mg/l or less	25 mg/l or less	5 mg/l or more	5,000 MPN/100ml or less
C	Fishery class 3, Industrial water class 1, and uses listed in D-E.	6.5 - 8.5	5 mg/l or less	50 mg/l or less	5 mg/l or more	
D	Industrial water class 2, Agricultural water ² , and uses listed in E.	6.0 - 8.5	8 mg/l or less	100 mg/l or less	2 mg/l or more	
E	Industrial water class 3, Agricultural water ² , conservation of the environment.	6.0 - 8.5	10 mg/l or less	Floating matter such as garbage should not be observed.	2 mg/l or more	

- Notes: 1. The standard value is based on the daily average value. The same applies to the standard values of lakes and coastal waters.
 2. At the intake for agriculture, pH shall be between 6.0 and 7.5, and dissolved oxygen shall not be less than 5 ppm. The same applies to the standard values of lakes.
 3. Conservation of natural environment: Conservation of scenic spots and other natural resources.
 4. Water supply class 1: Water treated by simple cleaning operation, such as filtration.
 Water supply class 2: Water treated by normal cleaning operation, such as sedimentation and filtration.
 Water supply class 3: Water treated through a highly sophisticated cleaning operation including pretreatment.
 5. Fishery class 1: For aquatic life, such as Yamame (*Oncorhynchus masou*) and Japanese char (*Salvelinus pluvius*) inhabiting oligosaprobic water, and those of Fishery class 2 and 3.
 Fishery class 2: For aquatic life, such as fish of the salmon family (*Salmonidae*) and sweetfish (*Plecoglossus altivelis*) inhabiting oligosaprobic water, and those of the Fishery class 3.
 Fishery class 3: For aquatic life, such as carp (*Cyprinus carpio*) and crucian carp (*Carassius auratus*) inhabiting, β -mesosaprobic water.
 6. Industrial water class 1: Water given normal cleaning treatment, such as sedimentation.
 Industrial water class 2: Water given sophisticated treatment by chemicals.
 Industrial water class 3: Water given special cleaning treatment.
 7. Conservation of the environment: Up to the limits at which no unpleasantness is caused to people in their daily life including a walk by the riverside, etc.

2.2.2 Lakes (natural lakes, reservoirs, marshes and artificial lakes with more than 10 million cubic meters of water)

i)

Category	Item Purposes of water use	Standard values ¹				
		pH	Chemical Oxygen Demand (COD)	Suspended Solids (SS)	Dissolved Oxygen (DO)	Number of Coliform Groups
AA	Water supply class 1, Fishery class 1, conservation of natural environment and uses listed in A-C.	6.5 - 8.5	1 mg/l or less	1 mg/l or less	7.5 mg/l or more	50 MPN/100ml or less
A	Water supply class 2 and 3, Fishery class 2, bathing and uses listed in B - C.	6.5 - 8.5	3 mg/l or less	5 mg/l or less	7.5 mg/l or more	1,000 MPN/100ml or less
B	Fishery class 3, Industrial water class 1, Agricultural water and uses listed in C.	6.5 - 8.5	5 mg/l or less	15 mg/l or less	5 mg/l or more	
C	Industrial water class 3, conservation of the environment.	6.0 - 8.5	8 mg/l or less	Floating matter such as garbage should not be observed.	2 mg/l or more	

Notes: 1. With regard to Fishery class 1, 2, and 3, the standard value for Suspended Solids shall not be applied for the time being.

2. See notes for rivers.

3. Fishery class 1:

For aquatic life, such as kokanee salmon (*Oncorhynchus nerka*) inhabiting oligosaprobic lake type waters, and for those of fishery class 2 and 3.

Fishery class 2:

For aquatic life, such as fish of the salmon group (*Salmonidae*) and sweetfish (*Plecoglossus altivelis*) inhabiting oligosaprobic lake type waters, and for those of the Fishery class 3.

Fishery class 3:

For those aquatic lives, such as carp (*Cyprinus carpio*) and crucian carp (*Carassius auratus*) inhabiting eutrophic lake type waters.

4. Industrial water class 1:

Water given normal treatment such as sedimentation.

Industrial water class 2:

Water given sophisticated treatment such as chemical injection or special treatment.

5. Conservation of the environment:

Up to the limit at which no unpleasantness is caused to the people in their daily lives including a walk along the shore.

ii)

Category	Item Purposes of water use	Standard values	
		Total nitrogen ^a	Total phosphorus ^b
I	Conservation of natural environment and uses listed in II-V.	0.1 mg/l or less	0.005 mg/l or less
II	Water supply classes 1, 2 and 3 (excluding special types) Fishery class 1, bathing and uses listed in III-V.	0.2 mg/l or less	0.01 mg/l or less
III	Water supply class 3 (special types), and uses listed in III-V.	0.4 mg/l or less	0.03 mg/l or less
IV	Fishery class 2, and uses listed in V.	0.6 mg/l or less	0.05 mg/l or less
V	Fishery class 3, Industrial water, Agricultural water, conservation of the living environment.	1 mg/l or less	0.1 mg/l or less

Notes: 1. Standard values are set in terms of annual averages.

2. Standard values for Total nitrogen are applicable to lakes and reservoirs where nitrogen is a causal factor of the growth of phytoplankton.

3. Standard values for Total phosphorus are not applicable to agricultural water uses.

4. Conservation of natural environment: Conservation of scenic points and other natural resources.

5. Water supply class 1: Water treated by simple cleaning operation, such as filtration.

Water supply class 2: Water treated by normal cleaning operation, such as sedimentation and filtration.

Water supply class 3: Water treated through a highly sophisticated cleaning operation including pretreatment.

("special types" mean water treatments by special cleaning operation in which removal of smelling substances is possible).

6. Fishery class 1: For aquatic life, such as fish of the salmon group (*Salmonidae*) and sweetfish (*Plecoglossus altivelis*), and for those of Fishery class 2 and 3.

Fishery class 2: For aquatic life, such as smelt and those of Fishery class 3.

Fishery class 3: For aquatic life, such as carp (*Cyprinus carpio*) and crucian carp (*Carassius auratus*).

7. Conservation of the environment: Up to the limits at which no unpleasantness is caused to the people in their daily lives including a walk along the shore.

2.2.3 Coastal waters

Category	Item Purposes of water use	Standard values ¹				
		pH	Chemical Oxygen Demand (COD)	Dissolved Oxygen (DO)	Number of Coliform Groups	N-hexane extracts
A	Fishery class 1, bathing, conservation of natural environment, and uses listed in B-C.	7.8 - 8.3	2 mg/l or less	7.5 mg/l or more	1,000 NPN/100ml or less	Not detectable
B	Fishery class 2, Industrial water and uses listed in C.	7.8 - 8.3	3 mg/l or less	5 mg/l or more	-	Not detectable
C	Conservation of the environment	7.0 - 8.3	8 mg/l or less	2 mg/l or more	-	-

- Notes : 1. With regard to the water quality of fishery, class 1 for cultivation of oysters, number of coliform groups shall be less than 70 MPN/100ml.
2. Conservation of natural environment: Conservation of scenic points and other natural resources.
3. Fishery class 1 :
For aquatic life, such as red sea bream (*Chrysophrys major*), yellow tail (*Seriola quinqueradiata*), seaweed (*Undaria pinnatifida*) and for those of Fishery class 2.
- Fishery class 2 :
For aquatic life, such as gray mullet (*Mugil cephalus*), laver (*Porphyra tenara*), etc.
4. Conservation of the environment: Up to the limits at which no unpleasantness is caused to the people in their daily lives including a walk along the shore.

3.1 Environmental quality standards for noise

Environmental quality standard values for each type of area and time category shall be as listed in the following table.

Area type	Time category			Applicable areas
	Day time	Morning, evening	Night time	
AA	45 dB(A)	40 dB(A)	35 dB(A)	Areas designated for each classification of land areas by a prefectural governor based on the provision of Article 2 of the Cabinet Order relating to the Delegation of Authority to Designated Water and Land Areas for Environmental Quality Standards (Cabinet Order No. 159, 1971).
A	50 dB(A)	45 dB(A)	40 dB(A)	
B	60 dB(A)	55 dB(A)	50 dB(A)	

- Notes : 1. Areas coming within the AA category are areas where quiet is specially required such as where there is a concentration of convalescent facilities.
2. Areas coming within the A category areas which are used mainly for residential purpose.
3. Areas coming within the B category are areas where are used considerably for residential purposes and which are also used for commercial and industrial purposes.

However, with regard to environmental quality standards for the areas of the following table (hereinafter referred to as "areas facing roads") the values hereinbelow shall be applied instead of the values in the table above.

Area category	Time category		
	Day time	Morning, evening	Night time
"A" areas facing roads with 2 lanes.	55 dB(A)	50 dB(A)	45 dB(A)
"A" areas facing roads with more than 2 lanes.	60 dB(A)	55 dB(A)	50 dB(A)
"B" areas facing roads with not more than 2 lanes.	65 dB(A)	60 dB(A)	55 dB(A)
"B" areas facing roads with more than 2 lanes.	65 dB(A)	65 dB(A)	60 dB(A)

- Notes : "Lane" refers to a longitudinal strip of road with uniform width requisite to allow a single line of cars to travel there along safely and without hindrance.

ANNEX 7

BOILER FEED WATER TREATMENT SYSTEM

ANNEX 7 BOILER FEED WATER TREATMENT SYSTEM

1. GENERAL

In this Annex, the description is made for the boiler feed water treatment systems (hereinafter called as demineralizing system) which are designed by the modern technology and able to expect very high water production and regeneration efficiency.

2. DOUBLE FLUIDIZED BED TYPE DEMINERALIZING SYSTEM

The description of this system is based on the technical document of vendor concerned. It is therefore advised that the proper techniques of said vendor are included in this description.

In order to readily understand this system, the description is divided into two(2) sections as follow:

2.1 Fluidized Bed Type Demineralizing System

2.2 Double Fluidized Bed Type Demineralizing System

2.1 Fluidized Bed Type Demineralizing System

2.1.1 Outline of system

This system is 2-bed 1-degasifier demineralizing system consisting of a cation exchanging unit, a degasifier (decarbonator), and an anion exchange unit. Raw water flows through the three units in the stated sequence, and in the process is converted to highly demineralized water as shown in Figure 1. Regeneration and washing operations are carried out in a downward flow through fixed beds, while in the demineralizing process, the flow is upward, with the lower 25 to 75% of the resin in a fluidized state and the rest forming a compact bed at the top of resin bed as shown in Figure 2.

Figure 1 FLOW SHEET OF FLUIDIZED DEMINERALIZING SYSTEM

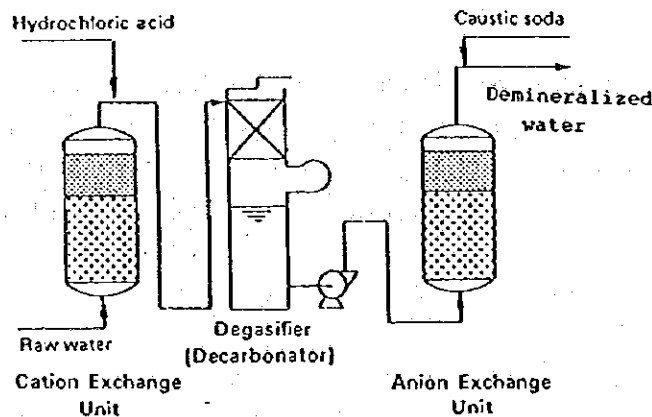
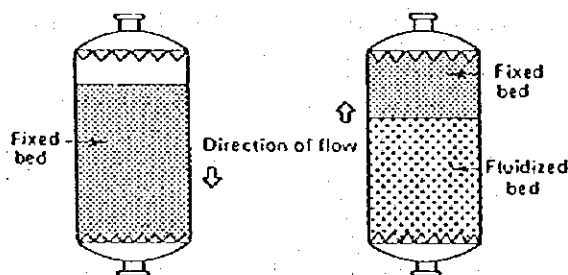


Figure 2 PRINCIPLE OF FLUIDIZED DEMINERALIZING SYSTEM



Regeneration Process Demineralizing Process

2.1.2 Functions and features of system

- (1) produces high-purity demineralized water

In conventional systems with co-current regeneration, if a low level of regeneration is employed, the resin remains unregenerated in the lower portion of the bed.

When the next demineralizing cycle is started, a few hydrogen ions are released in the upper portion of the bed and are exchanged for the residual ions at the bottom of the bed, thus causing some leakage. This leakage is usually sodium, since this ion is most easily exchanged for hydrogen ions. If the free mineral acidity generated

by ion exchange is high enough, magnesium and even calcium may also leak from the unit. Therefore, conventional systems require a high level of regeneration in order that the entire volume of resin may be completely regenerated. This system uses countercurrent regeneration, viz., regeneration is performed with a downflow and demineralization with an upflow. This means that, at the start of upflow service, there is virtually no leakage of cations because all of the exchange occurs at the inlet rather than the outlet end of the unit. Thus, treated water of high purity is continuously produced. This system can operate at a relatively low level of regeneration and its performance is not affected by the ion concentration or composition of the raw water.

Figure 3 STATES OF RESIN BED IN REGENERATION AND DEMINERALIZING PROCESS

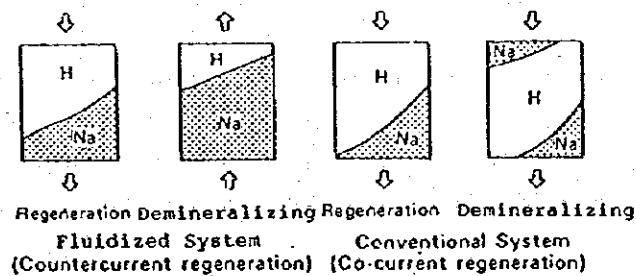
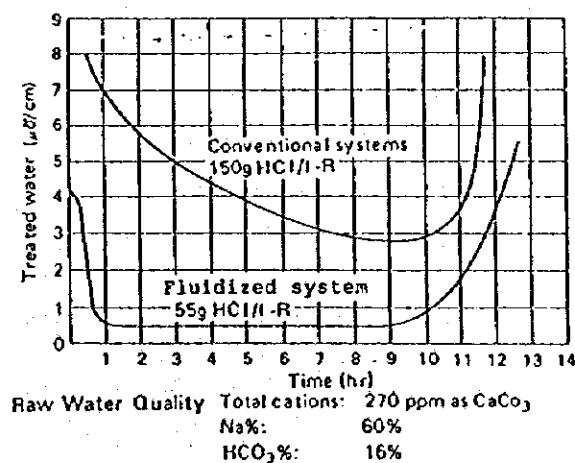


Figure 4 PURITY TREATED WATER



(2) Large savings in regenerant

1) Low level or regeneration

Since countercurrent regeneration is used, high-purity treated water is obtained at a relatively low level of regeneration. Therefore, regeneration efficiency is greatly enhanced.

Figure 5 shows the relationship between regeneration level and the capacity at the breakthrough point of an ion exchange resin. It can be seen that exchange capacity does not increase much even though the regeneration level is raised. In other words, the lower the regeneration level, the higher is the ratio of exchange capacity to a given weight of regenerant, which means the higher the regeneration efficiency.

2) Countercurrent regeneration

The state of a cation exchange resin bed at the breakthrough point of the demineralization is illustrated in Figure 6. It can be seen that ions are adsorbed by the resin in the order of greater selectivity, i.e., starting from the bottom, first calcium, then sodium, and finally hydrogen, thereby forming an adsorption zone. During regeneration, i.e., from the top, the hydrogen ion displaces the sodium ion, which in its turn displaces the calcium ion, in what is known as a hookup effect. This hookup effect gives a more complete regeneration and helps boost regeneration efficiency. This is obvious from Figure 7.

Figure 5 REGENERATION LEVEL VS. ION EXCHANGE CAPACITY

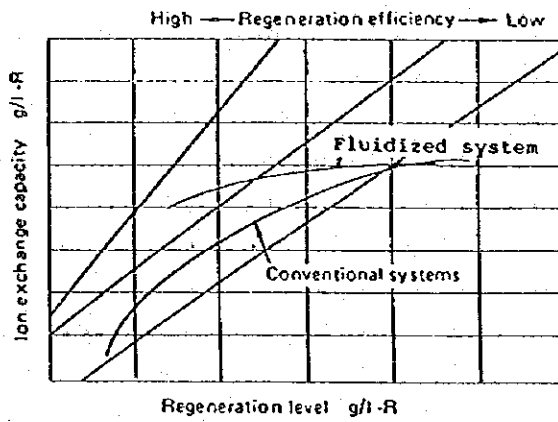


Figure 6 STATE OF RESIN BED ADSORPTION ZONE AT DEMINERALIZING AND REGENERATION

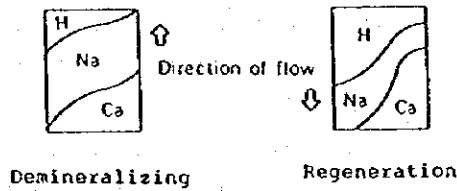
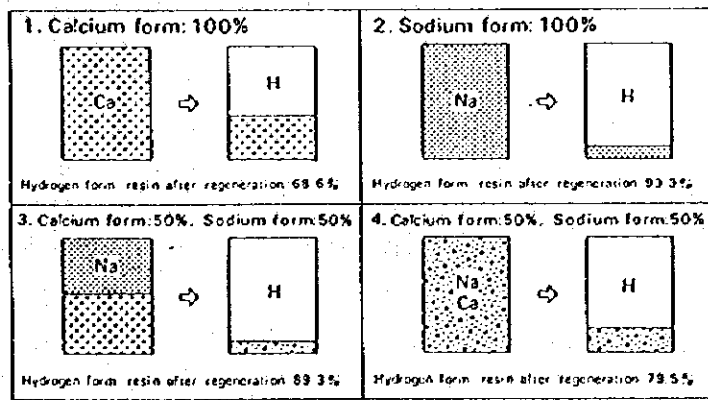


Figure 7 COMPOSITION OF DIAION SKIB RESIN AND UTILIZATION OF REGENERANT



3) Thorough utilization of resin

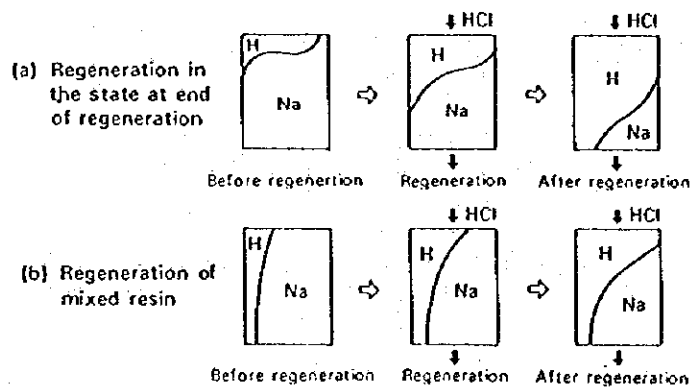
In conventional systems, in which both service and regeneration flow are downward, a considerable amount of resin remains unused in the lower portion of the bed at completion of the demineralizing cycle. In the regeneration step, the unused resin is contaminated with downwardly displaced regenerant wastes.

Since this system uses an upward service flow, the unused resin remains in the upper portion as shown in Figure 8(a). And because the regenerant flows downward and passes through the unused resin zone without regenerating, the regenerant power is concentrated fully on the exhausted resin. This means the effective regeneration level is raised relative to the conventional systems.

In this system, the entire resin bed is pushed against the upper distributor during service flow. The freeboard space in the resin bed is limited so as not to cause a mixture of exhausted and unused resin during settling resin.

This physical set-up does not allow in-place washing, so backwashing to remove accumulated matters on the resin is done in a separate tank. Since the unused resin becomes mixed with the exhausted resin, the amount of regenerant required is twice that used in the normal regeneration steps.

Figure 8 ADSORPTION ZONE IN REGENERATION PROCESS



However, this external backwashing of the resin is required at a frequency of only once every 30 to 40 cycles for the cation exchange unit and once every year or so for the anion exchange unit. This permits us to take good advantage of the economical operation resulting from the countercurrent regeneration steps.

(3) Small pressure drop in demineralizing process

Pressure drop during the demineralizing process is minimal because about 25 to 75% of the ion exchange resin is in a fluidized state.

(4) Little water needed for washing

Whereas conventional systems require wash water in an amount equivalent to 8 to 12 times the volume of resin, this system uses only 2 or 3 times as much as the resin volume.

(5) Quick regeneration

Regeneration is completed in about an hour, compared to approximately four hours for conventional systems.

(6) Simple and compact equipment

Regeneration, as in conventional systems, is performed in a downward flow. Therefore, no special device is required for preventing fluidization in the demineralizing process. This simplifies the equipment. Moreover, since it comes in a compact 2-bed 1-degasifier arrangement, this system takes a very small space for installation.

Figure 9 FLOW RATE VS. PRESSURE DROP IN CATION EXCHANGE RESIN

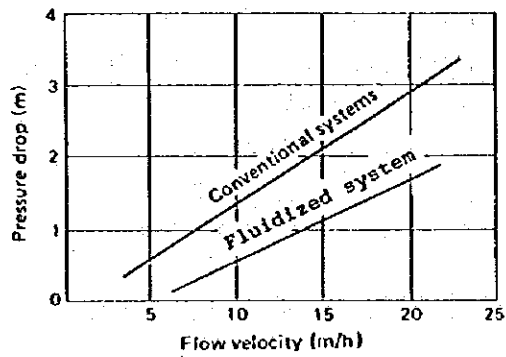
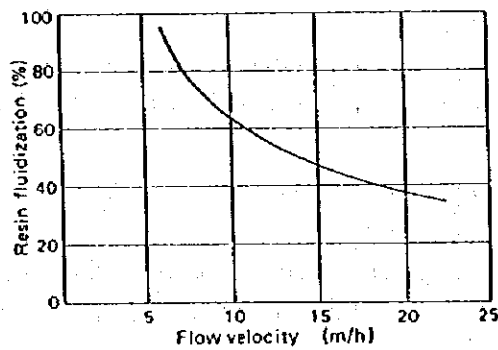
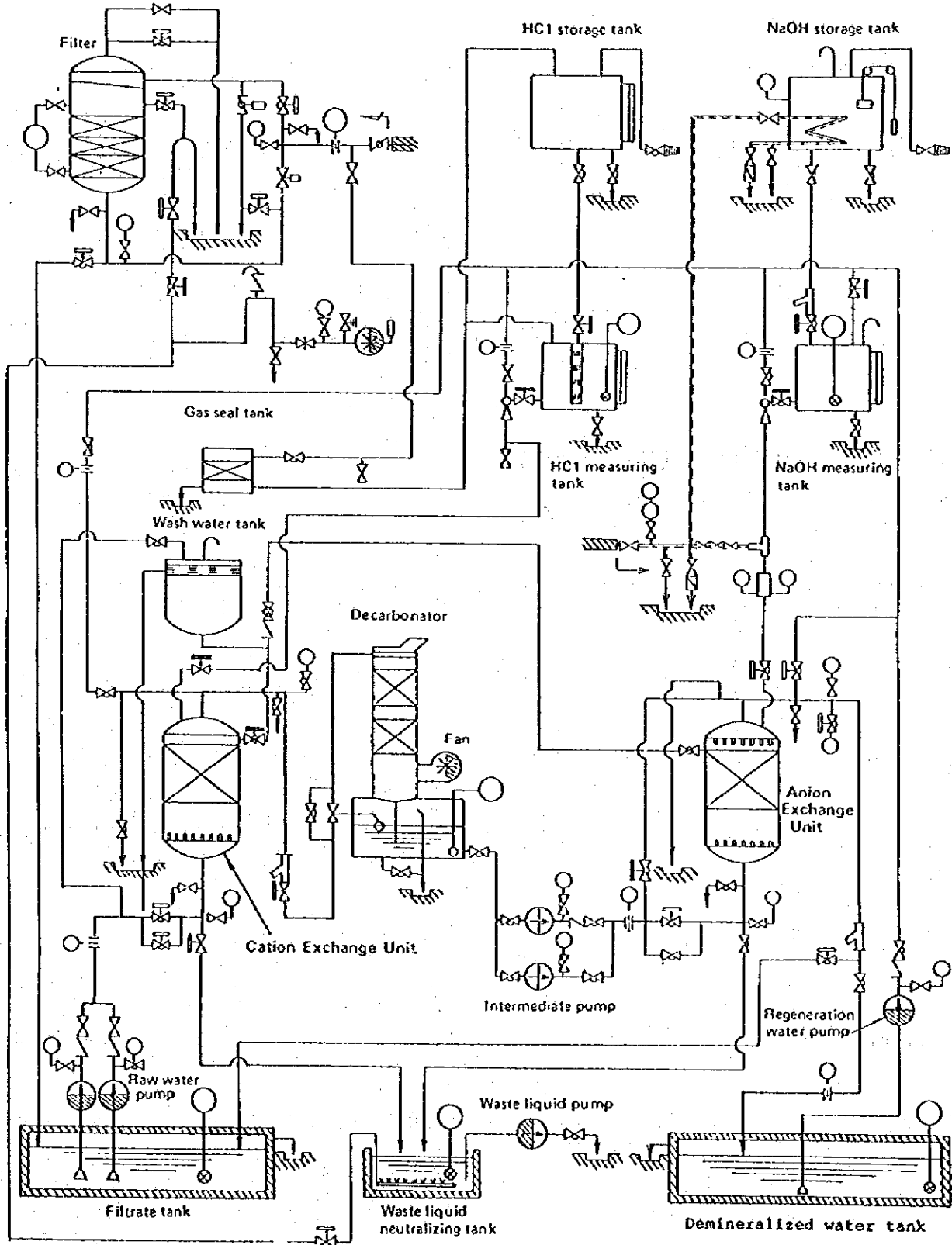


Figure 10 FLOW RATE VS. RESIN FLUIDIZATION RATE IN CATION EXCHANGE RESIN



FLWSHEET OF FLUIDIZED DEMINERALIZING SYSTEM



EXAMPLE OF PRACTICAL USE OF FLUIDIZED BED TYPE DEMINERALIZING SYSTEM

Table 1 presents the performances of two commercial units in operation, with regard to raw water analysis and treated water quality:

	Example 1	Example 2
Raw water	Total cations 326ppm as CaCO ₃ Ca + Mg 220ppm as CaCO ₃ Na + K 100ppm as CaCO ₃ HCO ₃ 230ppm as CaCO ₃ SO ₄ 70ppm as CaCO ₃ Cl 26ppm as CaCO ₃ SiO ₂ 17ppm as CaCO ₃	Total cations 113ppm as CaCO ₃ Ca + Mg 90ppm as CaCO ₃ Na + K 23ppm as CaCO ₃ HCO ₃ 50ppm as CaCO ₃ Cl + SO ₄ 63ppm as CaCO ₃ SiO ₂ 10ppm as CaCO ₃
Treated water	Breakthrough point conductivity Below 5μU/cm Mean conductivity Below 1μU/cm Silica Below 0.02ppm as SiO ₂	Breakthrough point Below 5μU/cm Mean silica concentration Below 1μU/cm Silica concentration Below 0.1ppm as SiO ₂ Mean silica concentration Below 0.06 ppm as SiO ₂

Table 1 Analyses of Treated Water and Raw Water

COMPARISONS OF ECONOMICS

Example 1

● Design Standards

Total cation in raw water	.....	275ppm as CaCO ₃
Treatment capacity	.....	500m ³ /cycle
Quality of treated water	: Conductivity	..... Below 5μU/cm
	: Silica	..... Below 0.1 ppm

● Economic Comparisons

	Conventional 2-bed 1-degasifier systems		Fluidized system	
	Treated water quality	Below 15μU/cm	Below 0.1ppm as SiO ₂	Below 5μU/cm	Below 0.1ppm as SiO_{2}
Regenerant requirements	35% HCl 1,350kg/C	45% NaOH 780kg/C	35% HCl 440kg/C	45% NaOH 380kg/C
Approximate capital cost	¥30,000,000		¥33,000,000	
Running cost	¥63/m ³ treated water		¥23.6/m ³ treated water	

Example 2

● Design Standards

Total cation in raw water	.....	83ppm as CaCO ₃
Treatment capacity	.....	4,000m ³ /day
Quality of treated water	: Conductivity	..... Below 3μU/cm
	: Silica	..... Below 0.1 ppm

● Regenerant Requirements

	Conventional 2-bed 1-degasifier systems	Fluidized system
35% HCl	2,170kg/day	1,090kg/day
45% NaOH	1,250kg/day	690kg/day

2.2 Double Fluidized Bed Type Demineralizing System

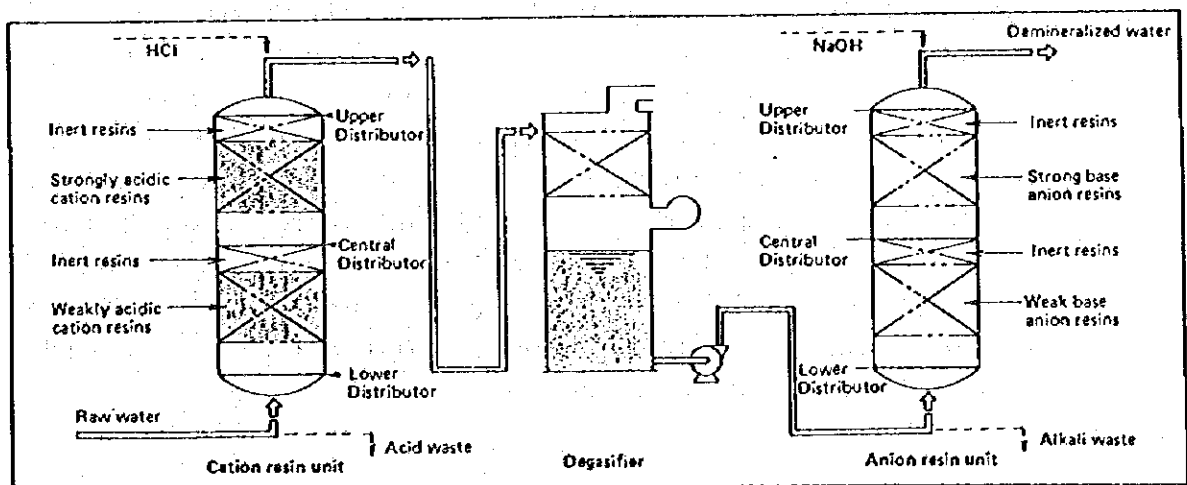
2.2.1 General

Lately, the application technology of ion exchange resins is making a rapid development. However, the demineralizing system exhibiting a higher regeneration efficiency has long been desired when viewed from the point of resource-saving and pollution control. The double fluidized bed type demineralizing system well meet such requirements, and offer 100 percent regeneration efficiency which has not been accomplished with a conventional demineralizing system.

2.2.2 Outline of system

This system is, as illustrated in the diagram, of 2-bed 1-degasifier type demineralizing system consisting of a cation exchange unit, a degasifier and an anion exchange unit. Raw water flows through the three units in the stated sequence; the cation exchange unit, the degasifier and the anion exchange unit. A distinctive feature of the system is that each exchange unit contains two kinds of ion exchange resins—one strong, the other weak. The cation exchange unit is filled with strongly acidic and weakly acidic cation resins, and with strong base and weak base anion exchange resins in the anion exchange unit. The resins are divided by a central distributor placed between the two compartments.

FLOW DIAGRAM OF FLUIDIZED BED TYPE DEMINERALIZING SYSTEM



2.2.3 Service run and regeneration

(1) Cation exchange unit

Raw water flows from the bottom of the cation exchange unit and contacts first with the weakly acidic resin layer located in the lower compartment, in which the hardness combined with bicarbonate radical (temporary hardness) will be effectively exchanged while the permanent hardness and monovalent ions like sodium are exchanged by the strongly acidic exchange resins in the upper compartment. The water flows from the top of the exchange unit.

(2) Anion exchange unit

Acidic water degasified through degasifier flows from the bottom of the anion exchange unit, in which a mineral acidity will be exchanged through the contact with the weak base resins. Residual carbonate and silica will react with the strong base resins and the removal can be accomplished. The demineralized effluent flows the top of the exchange unit.

2.2.4 Regeneration

(1) Regeneration for cation resin unit

Hydrochloric acid (or sulfuric acid) introduced from the top of the cation resin unit is used first for regeneration of the strongly acidic exchange resins in the upper compartment and the regeneration waste water containing still effective hydrochloric acid is used again for the regeneration of the weakly acidic exchange resins in the lower compartment. As stated, the regeneration waste water from the regeneration of the strongly acidic exchange resins is used for the regeneration of the weakly acidic exchange resins. Thus, almost none of the acid may remain in the regeneration waste water.

(2) Regeneration for anion exchange unit

Sodium hydroxide fed from the top of the anion resin unit will be used for regeneration of the strong base resins in the upper compartment, then be used for regeneration of the weak base resins in the lower compartment. Therefore, the regeneration efficiency and the regeneration waste water characteristics could be similar to that of the cation resin unit.

2.2.5 Feature of system

(1) High regeneration efficiency and lower running cost

Nearly 100 percent regeneration efficiency shall be established since the regeneration waste water from the regeneration step of the strongly acidic exchange resins and the strong base exchange resins are used again for the regeneration of the weakly acidic exchange resins and the weak base exchange resins, respectively. As a result, the running cost can be reduced to a half or a quarter when compared with that of 2-bed 1-degasifier demineralizer.

(2) Easy treatment of regeneration waste water

Since the regenerant is used up almost completely in the regeneration step of the ion exchange resins, the regeneration waste water contains almost none of free acid and alkaline. Thus, the regeneration waste water can be treated very easily.

(3) High-purity water production

Since the effluent is finally polished by the completely regenerated ion exchange resins contained in each upper layer of anion and cation resins, the highly purified water can be obtained.

(4) No pressure loss during service run

Pressure loss will be minimal because each ion exchange resin bed is in a fluidized state during the service run.

(5) Little water needed for washing

The water needed for washing is as little as a third or a quarter when compared with that of 2-bed 1-degasifier system.

(6) Shorter outage time for regeneration

Only one hour and a half will be required for regeneration.

2.2.6 Operating results of double fluidized

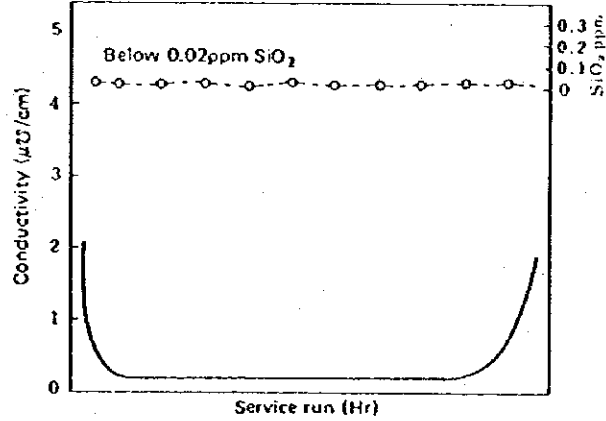
Bed type demineralizing system

*Capacity: 1000m³/day (2-cycle/day)

*Influent

	HCO ₃	160ppm as CaCO ₃
	Cl+SO ₄	160ppm as CaCO ₃
Ca+Mg	140ppm as CaCO ₃	SiO ₂ 5ppm as CaCO ₃
Na+K	180ppm as CaCO ₃	CO ₂ 5ppm as CaCO ₃
T.C.	320ppm as CaCO ₃	T.A. 330ppm as CaCO ₃
	Na+K%	56%
	HCO ₃ %	50%

◆ Effluent



◆ Regeneration

Step	Regenerant injection	Slow rinse	Rinse	Regeneration time
Hour	20 min.	50 min.	15 min.	85 min.

◆ Regeneration efficiency

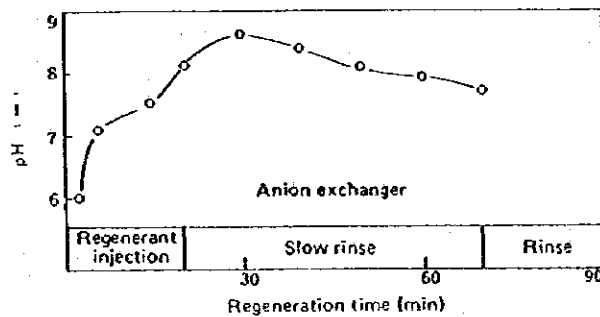
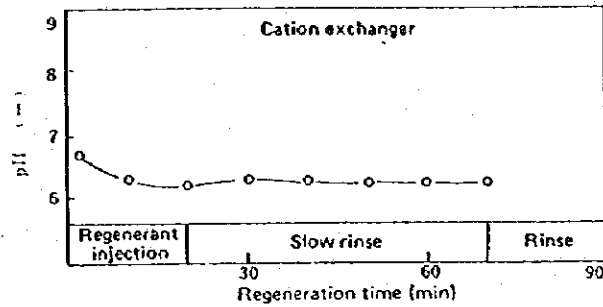
Cation exchanger

Regenerant 35% HCl 427kg/cycle
(4.09keq/cycle)
Deionization 320ppm x 640m³/c 205kgCaCO₃/cycle
(4.1keq/cycle)
Regeneration efficiency 100%

Anion exchanger

Regenerant 45% NaOH 327kg/cycle
(3.68keq/cycle)
Deionization 330ppm x 640m³/c 211kgCaCO₃/cycle
(4.22keq/cycle)
Regeneration efficiency 114.7%

◆ pH value in the regeneration waste water



2.2.7 Comparisons of chemical requirements

Comparisons of chemical requirements

• Design standard

Influent T.C.	133ppm as CaCO ₃	Operating Capacity	2000m ³ /day
D.T.A.	140ppm as CaCO ₃	Effluent Conductivity	5μS/cm
Na%	25%	SiO ₂	0.1ppm
MTO-Alkalinity	42%		

• Chemical requirements

	Unit price	2-bed 1-degasifier demineralizer		Double Fluidized Demineralized	
Regenerant 35%HCl	¥20/kg	1740kg/cycle	¥34,800/cycle	555kg/cycle	¥11,100/cycle
45%NaOH	¥45/kg	1780kg/cycle	¥80,100/cycle	498kg/cycle	¥22,410/cycle
Neutralizing 35%HCl	¥20/kg	496kg/cycle	¥9,900/cycle	-	-
Per one cycle			¥124,820/cycle		¥33,510/cycle
Annual outlay			¥41,191,000/year		¥11,059,000/year

Basis: 330 days of operation a year.





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