

**ASUMSI UMUM
 PENGADAAN KOMPONEN SN 388
 PT XYZ**

TABEL 1

ITEM	1	2	3	4	5
		1998	1999	2000	2001
1. Kurs 1 US\$	0	5,300	10,500	11,025	12,500
2. Inflasi	10%	10%	10%	10%	10%
3. Corporate Tax	30%	30%	30%	30%	30%
4. Collection Period	30	days			
5. Days Year	360	days			
6. Fixed Asset life time	0	years			
7. Loan (%)	100%				
8. Equity (%)	0%				
9. Repayment Loan					
Investasi (Installment)	4	years			
Modal kerja	0	years			

Tabel 2

ANALISA FINANCIAL PENGADAAN KOMPONEN SN 388

	Thn 0	SMT I	SMT II	SMT III	SMT IV
Net Income		524,103	1,078,327	1,960,007	2,045,812
Depreciation Expense		2,422,058	2,472,050	1,367,381	1,387,381
Financing Cost		342,849	383,305	116,911	0
Cash From Operation		3,289,001	3,883,681	3,472,299	3,433,192
Increase (Decrease) in Working Capital		(1,569,384)	(156,838)	(172,632)	(3,798)
CAPITAL INVEST & DISPOSAL	(7,618,860)	0	0	0	0
NET CASH FLOW	(7,618,860)	1,719,617	3,726,743	3,299,667	3,429,394
CUMM CASH FLOW	(7,618,860)	(5,899,243)	(2,172,501)	1,127,166	4,556,561
P.V AT RATE 1	(7,618,860)	1,577,630	3,136,725	2,547,948	2,429,469
P.V AT RATE 2	(7,618,860)	1,542,887	3,000,889	2,383,292	2,222,474
CUMM AT RATE 1	(7,618,860)	(6,041,230)	(2,904,505)	(356,557)	2,072,912
CUMM AT RATE 2	(7,618,860)	(6,075,973)	(3,075,884)	(692,592)	1,529,833
NPV AT RATE 1	2,072,912				
NPV AT RATE 2	1,529,833				
DISCOUNT RATE AT RATE		0,91743119	0,84167999	0,77218348	0,7084521
DISCOUNT RATE AT RATE 2		0,89727712	0,80501658	0,72228264	0,64895157

INTERNAL RATE OF RETURN (IRR)

RATE 1	19,78%	Penjualan	100%
RATE 2	9 %	Investasi	100%
	11 %		

TABEL 3 :
PROYEKSI LABA RUGI
PENGADAAN KOMPONEN SN 388
P.T. XYZ

		1998	1999	2000
PENJUALAN	0	18.284.035	17.369.891	20.112.494
HARGA POKOK PENJUALAN	0	16.599.398	15.563.133	16.996.743
LABA KOTOR	0	1.684.637	1.806.748	3.115.751
BIAYA OPERASI	0			
Biaya Unit Operasi	0	0	0	0
Marketing	0	548.523	521.096	603.375
Adm & Umum	0	1.097.045	1.042.193	1.206.750
Kantor Pusat	0	0	0	0
Total Biaya Operasi	0	1.645.568	1.563.289	1.810.124
LABA OPERASI	0	39.12	243.459	1.305.627
BIAYA BUNGA	0	533.32	596.252	181.862
NPBT	0	-494.2	-352.793	1.123.765
PAJAK (30 %)	0	0	0	337.129
N.P.A.T	0	-494.200	-352.793	786.635

TABEL 4
PROYEKSI HPP PENJUALAN
PENGADAAN KOMPONEN SN 388
P.T. XYZ

		1998	1999	2000	2001
HARGA POKOK PENJUALAN					
Direct Material	0	168.195	159.786	185.015	193.425
Direct Labour	0	1.356.341	1.288.524	1.491.98	1.559.792
Over Head	0	8.846.544	7.984.008	9.731.198	10.173.525
Direct Cost	0	3.092.318	2.937.702	3.401.550	3.556.166
Cable & Geophone (Amortisasi)	0	0	0	0	0
Setoran Dep. & Amort P.T. XYZ	0	713.95	771.066	799.624	815.617
SUB TOTAL	0	14.177.348	13.141.083	15.609.362	16.298.524
Amortisasi Cable	0	0	0	0	0
Amortisasi Geophone String	0	0	0	0	0
Depresiasi	0	2.422.050	2.422.050	1.387.381	1.387.381
TOTAL HPP	0	16.599.398	15.563.133	16.996.743	17.685.905

TABEL 5
PROYEKSI NERACA
PENGADAAN KOMPONEN SN 388
P.T.XYZ

		1998	1999	2000	2001
AKTIVA LANCAR					
Kas	0	(2.955.742)	(3.770.229)	(3.123.780)	-798.71
Piutang	0	1.523.674	1.447.490	1.676.041	1.752.225
Inventory Project	2.035.629	0	0	0	0
Uang Muka Operasi	0	0	0	0	0
Tot. Aktiva Lancar	2.035.629	(1.432.068)	(2.322.739)	(1.44.7.739)	953.515
AKTIVA TETAP					
Harta Tetap					
Komponen SN 388	5.549.522	5.549.522	5.549.522	5.549.522	5.549.522
Geophone str + Cable	2.069.338	2.069.338	2.069.338	2.069.338	2.069.338
Akumulasi amort. Geophone str.	0	0	0	0	0
Akumulasi depresiasi kapal	0	2.422.050	4.884.099	6.231.480	7.618.860
Net harga buku	7.618.860	5.196.811	2.774.761	1.387.381	0
TOTAL AKTIVA	9.654.489	3.764.742	452.022	-60.358	953.515
PASIVA					
Hutang Modal Kerja					
Hutang supplier	0	0	0	0	0
Hutang supplier	7.618.860	4.258.943	1.299.016	0	0
Total Hutang	7.618.860	4.258.943	1.299.016	0	0
MODAL					
Modal sendiri	0	0	0	0	0
Retain eaming	0	0	-494.2	-846.994	-60.358
Laba Tahun Berjalan	0	-494.2	-352.793	786.635	1.013.873
Total Modal	0	-494.2	-846.994	-60.358	953.515
TOTAL PASIVA	7.618.860	3.764.742	452.022	-60.358	953.515

**PROYEKSI BEBAN BUNGA
PENGADAAN KOMPONEN SN 388
P.T. XYZ**

Bunga Kredit Investasi : 9 %
Bunga Kredit Investasi : 9 %

TABEL 7

		1998	1999	2000	2001
KREDIT INVESTASI (installment)					
- Pinjaman	7,618,860	0	0	0	0
- Bunga dibayar	0	533,320	596,252	181,862	0
- Angsuran	0	3,359,917	2,959,927	1,299,016	0
- Loan outstanding	7,618,860	4,258,943	1,299,016	0	0
KREDIT MODAL KERJA					
- Pinjaman	0	0	0	0	0
- Bunga dibayar pertahun	0	0	0	0	0
- Angsuran	0	0	0	0	0
- Loan outstanding	0	0	0	0	0
TOTAL					
- Pinjaman	7,618,860	0	0	0	0
- Bunga dibayar pertahun	0	533,320	596,252	181,862	0
- Angsuran	0	3,359,917	2,959,927	1,299,016	0
- Loan Outstanding	7,618,860	4,258,943	1,299,016	0	0

Tabel 3-1

JENIS ALAT	ORIGINAL	REVISI	TAMBAHAN
- SN-388 PAM	0	1	1
- CROSS SU	0	3	3
- WATER CROSS SU	3	3	0
- STATION UNIT	83	145	62
- WATER SU	50	50	0
- POWER SUPPLY UNIT	7	14	7
- WATER PSU	10	10	0
- REAL TIME KINEMATIKE	1	1	0
- PHONE TESTER	1	1	0
- TABLE SHAKER/GEOPH TEST	1	2	1
- SEISTEC 2000	1	1	0
- STRING SCAN	1	7	6
- TCT-100	1	1	0
- CARTRIDGE DRIVE	1	4	3
- OSCILLOSCOPE	0	1	1
- DECODER	0	3	3
- ENCODER	0	3	3
- REFLECTO METER	0	1	1
- SU-E	0	260	260
- PSU	0	10	10
- LXU & PCT	0	1	1
- TATOL STATION	0	9	9
- HAND HELD GPS	0	2	2
- LINE TESTER (LT-388)	0	1	1
- HP PLOTTER DJ 250C	0	2	2
- BLUE PRINT	0	2	2

NOTE : - Original sudah dilakukan pembelian
- Tambahan akan dilakukan pembelian

BIAYA PEMBELIAN PERALATAN INVESTASI 1996 / 1997

JENIS ALAT	ORIGINAL	Harga Unit (US\$)	Revisi	Tot. Harga Revisi	Tambahan	Tot. Harga Tambahan
- SN-388 PAM	0	86,373	1	86,373	1	86,373
- CROSS SU	0	18,456	3	55,368	3	55,368
- WATER CROSS SU	3	15,485	3	46,455	0	0
- STATION UNIT	83	8,160	145	1,183,200	62	505,920
- WATER SU	50	9,526	50	476,300	0	0
- POWER SUPPLY UNIT	7	5,500	14	77,000	7	38,500
- WATER PSU	10	5,697	10	56,970	0	0
- REAL TIME KINEMATIKE	1	132,085	1	132,085	0	0
- PHONE TESTER	1	5,600	1	5,600	0	0
- TABLE SIAKER/GEOPH TEST	1	24,513	2	49,026	1	24,513
- SEINTEC 2000	1	19,080	1	19,080	0	0
- STRING SCAN	1	3,500	7	24,500	6	21,000
- TCT-100	1	8,010	1	8,010	0	0
- CARTRIDGE DRIVE	1	24,000	4	96,000	3	72,000
- OSCILLOSCOPE	0	9,954	1	9,954	1	9,954
- DECODER	0	16,000	3	48,000	3	48,000
- ENCODER	0	16,000	3	48,000	3	48,000
- REFLECTO METER	0	2,000	1	2,000	1	2,000
- SU-E	0	1,190	260	309,400	260	309,400
- PSU	0	1,035	10	10,350	10	10,350
- LNU & PCT	0	45,000	1	45,000	1	45,000
- TATOL STATION	0	17,500	9	157,500	9	157,500
- HAND HELD GPS	0	5,000	2	10,000	2	10,000
- LINE TESTER (LT-388)	0	11,200	1	11,200	1	11,200
- IIP PLOTTER DJ 250C	0	3,500	2	7,000	2	7,000
- BLUE PRINT	0	3,350	2	6,700	2	6,700
TOTAL				2,981,071		1,468,778
EMBELIAN CABLE & GEOPHONE (AMORTISASI)				1,774,138		437,143
TOTAL PEMBELIAN				4,755,209		1,905,921
TAHUN ANGGARAN			96/97	97/98	98/99	99/00
DEPRESIASI GEOSAINS			745,268	745,268	745,268	745,268
AMORTISASI GEOSAINS			1,322,602	451,537		
TOTAL DEPR. & AMORT.			2,067,869	1,196,804	745,268	745,268

**Exhibit 1 :
Proyeksi Laba-Rugi**

	1994	1995	1996	1997	1998	1999
PENJUALAN						
HARGA POKOK PENJUALAN						
- Barang Dagangan	0	0	0	0	0	0
- Bahan Langsug	261,640	273,232	288,993	303,443	318,615	334,546
- Tenaga Kerja Langsung	139,638	146,892	154,236	161,948	170,045	178,548
- Depresiasi	0	1,218,675	1,218,675	1,218,675	1,218,675	1,218,675
- Biaya Tak Langsug	1,786,520	1,839,283	1,892,706	1,177,966	1,236,964	1,298,708
- Sub Kosrak	813,413	135,569	0	0	0	0
Total HPP	3,001,211	3,615,650	3,554,610	2,862,032	2,944,200	3,030,476
LABA KOTOR	1,618,789	1,244,350	1,305,390	1,997,968	1,915,800	1,829,524
BIAYA OPERASI						
- Biaya Pemazaman (% x sales)	138,640	145,800	145,800	145,800	145,800	145,800
- Biaya Umum (growth)	92,400	97,200	97,200	97,200	97,200	97,200
- Amortisasi	0	0	0	0	0	0
Total Biaya Operasi	231,000	243,000	243,000	243,000	243,000	243,000
LABA OPERASI	1,387,789	1,001,350	1,062,390	1,754,968	1,672,800	1,586,524
PENDAPATAN, RIAYA LAIN2 & BUNGA						
- Pendapatan Lain-Lain	0	0	(194,968)	(146,241)	(97,494)	(48,747)
- Biaya Lain-Lain	0	0	(194,968)	(146,241)	(97,494)	(48,747)
- Bunga	1,387,789	1,001,350	867,402	1,608,277	1,575,306	1,537,777
Total Pendapatan, Biaya Lain2 & Bunga						
LABA SEBELUM PAJAK	416,337	390,405	260,221	482,618	472,592	461,333
PAJAK (30%)	97,452	70,945	607,181	1,126,109	1,102,714	1,076,444
LABA SETELAH PAJAK	318,885	319,460	(346,960)	(643,491)	(629,122)	(615,111)
PROFIT (%)		14,42%	12,49%	23,17%	22,69%	22,15%

Exhibit 2 :
Proyeksi Neraca

	1994	1995	1996	1997	1998	1999
AKTIVA LANCAR						
- Kas	3.011.889	3.694.156	4.302.675	5.430.188	6.534.378	7.612.370
- Piutang (APR)	385.000	405.000	405.000	405.000	405.000	405.000
- Persediaan	0	0	0	0	0	0
Total Aktiva lancar	3.396.889	4.099.156	4.707.675	5.835.188	6.939.378	8.017.370
AKTIVA TETAP						
- Lahan (6.000 M2)	0	0	0	0	0	0
- Bangunan (20 tahun)	0	0	0	0	0	0
- Perabotan / Instrumentasi (5 tahun)	6.093.375	6.093.375	6.093.375	6.093.375	6.093.375	6.093.375
- Akumulasi depresiasi	0	1.218.675	2.437.350	3.656.025	4.874.700	6.093.375
Net Harga buku	6.093.375	4.874.700	3.656.025	2.437.350	1.218.675	0
AKTIVA LAIN-LAIN						
- Pre-Op. (3 tahun)	0	0	0	0	0	0
- Akumulasi Amortisasi	0	0	0	0	0	0
Net Aktiva	9.490.264	8.973.856	8.363.700	8.272.538	8.158.053	8.017.370
TOTAL AKTIVA						
	9.490.264	8.973.856	8.363.700	8.272.538	8.158.053	8.017.370
PASIVA						
HUTANG BANK JANGKA PENDEK						
- Hutang Modal Kerja	0	0	0	0	0	0
- Hutang Consumables (AP)	25.437	26.759	28.097	29.501	30.976	32.525
TOTAL HUTANG JANGKA PENDEK	25.437	26.759	28.097	29.501	30.976	32.525
HUTANG BANK JANGKA PANJANG						
- Hutang Jangka Panjang	6.093.375	4.874.700	3.656.025	2.437.350	1.218.675	0
TOTAL HUTANG JANGKA PANJANG	6.093.375	4.874.700	3.656.025	2.437.350	1.218.675	0
MODAL						
- Modal sendiri	2.400.000	2.400.000	2.400.000	2.400.000	2.400.000	2.400.000
- Laba ditahan	0	971.452	1.672.397	2.279.578	3.405.687	4.508.401
- Laba tahun berjalan	971.452	700.945	607.181	1.126.109	1.102.714	1.076.444
Total modal	3.371.452	4.072.397	4.679.378	5.805.687	6.908.401	7.984.845
TOTAL PASIVA	9.490.264	8.973.856	8.363.700	8.272.538	8.158.053	8.017.370

R.O.I. (%) - Net Income by Total Asset Balance

1994	1995	1996	1997	1998	1999
10.24	7.81	7.26	13.61	13.52	13.43
0	0	0	0	0	0

Exhibit 3 :
Proyeksi Arus Kas

	1994	1995	1996	1997	1998	1999	TOTAL
PENERIMAAN							
- Dari penjualan	4,235,000	4,840,000	4,860,000	4,860,000	4,860,000	4,860,000	28,515,000
- Kredit Bank	6,093,375	0	0	0	0	0	6,093,375
- Kredit Leasing							
- Pri Operasi							
- Kredit Modal Kerja	0	0	0	0	0	0	0
- Modal sendiri	2,400,000	0	0	0	0	0	2,400,000
Total Penerimaan	12,728,375	4,840,000	4,860,000	4,860,000	4,860,000	4,860,000	37,008,375
PENGELUARAN (PUNJAMAN)							
- Labian (6.000 M2)	0						0
- Bangunan							
- Peralatan / Instrumentasi	6,093,375						6,093,375
- Pri Operasi	0						0
- Barang Dagangan							
- Bahan Langsung	2,36,203	273,910	297,655	302,038	317,140	332,997	1,749,944
- Tenaga Kerja Langsung	1,39,638	1,46,892	154,236	161,948	170,045	178,548	951,306
- Biaya Tak Langsung	1,798,520	1,830,283	1,892,706	1,977,766	2,062,864	2,158,768	9,232,088
- Sub Kontrak	813,413	1,35,569	0	0	0	0	948,982
- Biaya Pemasaran	1,38,600	1,45,800	1,45,800	1,45,800	1,45,800	1,45,800	867,600
- Biaya Umum	92,400	97,200	97,200	97,200	97,200	97,200	578,400
- Anggaran Kredit Bank	0	1,218,675	1,218,675	1,218,675	1,218,675	1,218,675	6,093,375
- Pembayaran bunga	0	0	194,988	146,241	97,494	48,747	487,470
- Tax	416,337	300,405	260,221	482,618	472,592	461,333	2,393,505
Total Pengeluaran	9,716,496	4,157,734	4,251,481	3,752,486	3,735,811	3,782,007	29,396,005
CASH SURPLUS (DEFISIT)	3,011,889	682,266	608,519	1,112,514	1,104,189	1,077,993	7,612,370
KUMI RAS SURPLUS(DEFISIT)	3,011,889	3,694,156	4,302,675	5,430,188	6,534,378	7,612,370	

Proyeksi Beban Bunga

Bunga Kredit Investasi :
4% (Masa pengembalian 10 tahun)
Bunga Kredit Modal Kerja :
4% (Masa pengembalian 1 tahun)

	1994	1995	1996	1997	1998	1999
KREDIT INVESTASI						
- Pinjaman	6,093,375	0	0	0	0	0
- Bunga dibayar per tahun	0	0	194,968	146,241	97,494	48,747
- Angsuran	0	1,218,675	1,218,675	1,218,675	1,218,675	1,218,675
- Loan outstanding	6,093,375	4,874,700	3,656,025	2,437,350	1,218,675	0
KREDIT MODAL KERJA						
- Pinjaman	0	0				
- Bunga dibayar per tahun						
- Angsuran			0			
- Loan outstanding		0	0			

Exhibit 6 :

Proyeksi Investasi

	1994	1995	1996	1997	1998	1999
Tim 0						
- Lahan	-	-	-	-	-	-
- Bangunan	-	-	-	-	-	-
- Peralatan Instrumentasi	6,093,375					
Depresiasi (20 th)	-	1,218,675	1,218,675	1,218,675	1,218,675	1,218,675
Sisa Depresiasi (5 th)	-	1,218,675	1,218,675	1,218,675	1,218,675	1,218,675
Depresiasi (5 th)	-	-	-	-	-	-
Total Depresiasi	-	1,218,675	1,218,675	1,218,675	1,218,675	1,218,675
P/a Operasi	-	-	-	-	-	-
Amortisasi	-	-	-	-	-	-