

DANIDA  
**Air Quality  
Monitoring Programme**

Mission 7 Report  
**Appendix F - Inventory List**



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**DANIDA;**  
**Air Quality Monitoring**  
**Programme -**  
**Mission 7 Report**  
**Appendix F - Inventory List**

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## **Appendix F: Air pollution monitoring station inventory lists and instrument cost**

### **Introduction**

This report contains the total Air pollution instrument costs sorted by Stations, institutions and instrument types. It also contains the procurement plan and a complete inventory list for all stations. The data is valid as of 1 November 1997.

### **The total institutional costs table**

The Total institutional costs table shows a list of all stations in the program. The instrument costs and the responsible monitoring institution is listed for each station. A summary shows the total institutional cost for each monitoring institution.

All prices are in Dkk and according to offer from bidder.

### **The Total instrument costs table**

The Total instrument costs table shows a list of all instruments used in the program. For each instrument type the unit price, number of units procured, total sum and the sales representative are listed. The Plan column shows the number of instruments planned for installation while the Not alloc. column shows the number of instruments which are not allocated for use yet.

Negative Not alloc. values indicates that instruments have not been ordered. The air intake with manifold and solenoids shows negative Not. alloc. values. The need for air intakes will be covered by redistributing or rebuilding existing ones. Because of the high deposition of dust and dirt in the manifold a simpler air intake will be used at several stations.

### **The Procurement plan table**

The Procurement plan table shows the number of instruments delivered in the three main shipments. It also lists instruments included in the program but owned by other institutions.

A large table shows the instrumentation at all stations. The stations are identified by a number which equals the Id number in the Total institutional costs table.

### **Inventory List tables**

The remaining tables are detailed inventory lists for each station. As the installations progress the serial numbers for every instrument installed will be entered into the Inventory List tables. The Trf. column lists which instruments have been transferred to the station.

The original Monitoring laboratory plan is listed in the MonLab Inventory List. Some extra necessary equipment for the lab is listed in the MonLabXtra Inventory List. Necessary equipment for upgrading the Monitoring lab to do dynamic calibrations is listed in the MonLabCal Inventory List.

Necessary equipment for establishing a monitoring lab in Alexandria is listed in the MonLabAlx Inventory List.

The original Reference laboratory plan is listed in the RefLab Inventory List. Some Extra necessary equipment for the Reference lab is listed in the RefLabXtra Inventory List.

The Inventory List tables are the bases for all previous tables in this document.

**Total institutional costs**

**Comment:** Only EIMP instruments including shelters. Spareparts not included

<b>Id</b>	<b>Station</b>	<b>UnitSum</b>	<b>Institution</b>
1	CompCenter	100,000.-	C
2	MonLab	690,322.-	C
3	MonLabXtra	69,920.-	C
4	MonLabCal	416,341.-	C
5	MonLabAlx	89,822.-	A
6	RefLab	671,814.-	N
7	RefLabXtra	40,360.-	N
8	CairoCenter	350,432.-	C
9	ElGemhStr	489,763.-	C
10	MetInst	183,704.-	C
11	NasrCity	75,060.-	C
12	MaadiPol	291,507.-	C
13	Tebbin	394,598.-	C
14	TebbinS	64,967.-	C
15	FumAlKhalig	488,569.-	C
16	AbuZabel	2,456.-	C
17	Shoubra	226,806.-	C
18	GizaUniv	39,130.-	C
19	GizaPyramid	400.-	C
20	6October	75,060.-	C
21	10Ramadan	58,674.-	C
22	Suez	270,918.-	C
23	Ismailia	4,400.-	C
24	PortSaid	4,400.-	C
25	ElFayum	2,456.-	C
26	ElMinya	6,456.-	C
27	Assyut1	329,472.-	C
28	Assyut2	2,456.-	C
29	NagHammadi	6,056.-	C
30	Luxor	21,298.-	C
31	Edfu	21,298.-	C
32	KomOmbo	4,400.-	C
33	Aswan	236,530.-	C
34	Sharm	116,168.-	C
35	AbuKeir	264,725.-	A
36	ElMax	93,616.-	A
37	IGSR	590,873.-	A
38	ElAzafra	55,684.-	A
39	Gheat	89,060.-	A
40	NIOF	109,912.-	A
41	Damanhor	39,098.-	A
42	KafrElZayet	322,419.-	A
43	Tanta	22,842.-	A
44	ElMahalla	215,464.-	A
45	ElMansura	243,849.-	A
46	Domyat	178,026.-	A

**Total institutions:**

NIS:	712,174.-	
Cairo University:	5,044,017.-	
Alexandria University:	2,315,390.-	
Not allocated:	261,094.-	See Procurement plan
<b>Total Dkk:</b>	<b>8,332,675.-</b>	

C = Cairo University

A = Alexandria University

N = NIS

## Total instrument costs

Comment: Only EIMP instruments  
Spareparts not included

Items	Model	CIF		Plan		Not allocated		Sales repr./ comments
		Unit	Units	Total	Units	Total		
SO2 monitor	TEI 43C	48,220.-	18	867,960.-				Kontram
NOx monitor	TEI 42C	59,110.-	14	827,540.-				Kontram
PM10 monitor	TEI 650PM10	79,070.-	8	632,560.-	1	79,070.-		Kontram
O3 monitor	TEI 49C	50,570.-	6	303,420.-				Kontram
CO monitor	TEI 48C	41,610.-	5	208,050.-				Kontram
NMHC monitor	TEI 55C	103,560.-	5	517,800.-				Kontram
Z/S unit, perm., NOx/NOx+SO2	TEI 145	22,180.-	12	266,160.-				Kontram
Span unit, perm., SO2	TEI 43C-400	10,420.-	5	52,100.-				Kontram, inside monitor
Z/S unit, gas, CO/HC	TEI 102S-2	21,150.-	3	63,450.-	1	21,150.-		Kontram, use as backup
Zero air generator, CO/HC	TEI 1150	26,690.-	5	133,450.-				Kontram, no backup
Zero air gen. compressor, CO/HC			5					Kontram, cost incl. in Z g.
Zero air generator, NOx/SO2	Purafil+Charcoal		14					Kontram, cost incl. in Z u.
Zero air generator, SO2	Charcoal		5					Incl. in monitor
SO2 cal. gas, 0.8 ppm, trav. std.		14,370.-	6	86,220.-				Kontram, not > 10 litre
NO cal. gas, 0.8 ppm, trav. std.		12,280.-	6	73,680.-				Kontram, not > 10 litre
CO cal. gas, 50 ppm, trav. std.		6,590.-	3	19,770.-				Kontram, not > 10 litre
HC cal. gas, 2 ppm, trav. std.		7,120.-	3	21,360.-				Kontram, not > 10 litre
CO span gas, 500 ppm, wrk. std		6,860.-	3	20,580.-	1	6,860.-		Kontram
HC span gas, 20 ppm, wrk. std.		7,130.-	3	21,390.-	1	7,130.-		Kontram
N2 carrier NMHC		2,900.-	4	11,600.-	1	2,900.-		Kontram
H2 generator NMHC			5					Kontram, cost incl. HC m.
SO2 perm. tubes, TEI 43C-400	177-005-0082	2,356.-	4	9,424.-	1	2,356.-		Kontram
SO2 perm. tubes, TEI 145	177-008-0082-T33	2,356.-	11	25,916.-				Kontram
NO2 perm. tubes, TEI 145	177-007-0081	2,473.-	11	27,203.-				Kontram
Air intake, simple		200.-	8	1,600.-	-8			Made local
Air intake		29,056.-	11	319,616.-				Kontram, estimate
Air intake manifold, 5 solenoids			2					Kontram
Air intake manifold, 4 solenoids			2		-1			Kontram, will be construc.
Air intake manifold, 2 solenoids			7		-2			Kontram, will be construc.
Met Wind Speed	MO 014-A-1		7					Kontram
Met Wind Direction	MO 024-A		7					Kontram
Met Rel. Hum.	MO 083C-0-35		7					Kontram
Met Radiation Shield	5980		7					Kontram
Met diff. temp.	MO 062		14					Kontram
Met Temp. radiation shield	MO 076B-12		14					Kontram
Met Solar Radiation	MO 097		7					Kontram
Met Translator	MO 131		7					Kontram
Met Mast	970664	60,610.-	7	424,270.-				Kontram, cost incl. sens.
Met Relative humidity calibrator	510070	2,948.-	1	2,948.-				Kontram
Shelter data acq., PC	GW P5-133	59,142.-	20	1,182,840.-				Kontram, estimate
Shelter data acq., Monitor			20					Kontram, cost incl. in PC
Shelter data acq., Modem			20					Kontram, cost incl. in PC
Shelter data acq., Software	EMC St.Man.		20					Kontram, cost incl. in PC
Shelter data acq., Software 2	MS Office 95		20					Kontram, cost incl. in PC
Shelter data acq., Hardware	EMC		20					Kontram, cost incl. in PC
Seq. air sampler, SO2	NILU FK1-SO2	18,842.-	13	244,946.-				NILU
Seq. air sampler, NO2	NILU FK1-NO2	18,842.-	7	131,894.-				NILU
PM10 HiVol	TEI 610	37,376.-	9	336,384.-				Kontram
TSP HiVol	TEI 600	27,569.-	5	137,845.-				Kontram
Calibration orifice kit	AWAAXXX8	6,836.-	3	20,508.-				Kontram (Spare part)
VOC sampler		2,500.-	6	15,000.-				NILU, estimate
Passive sampler		200.-	25	5,000.-				NILU, estimate
Two filter sampler		4,000.-	12	48,000.-				NILU, estimate
Rack for monitors	EDR20086	2,756.-	16	44,096.-				Eldon

## Total instrument costs

<b>Comment:</b> Only EIMP instruments Spareparts not included
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Items	Model	CIF Unit	Plan		Not allocated		Sales repr./ comments
			Units	Total	Units	Total	
Dust fall	NILU SF1	2,056.-	22	45,232.-			NILU
Shelter, small		14,000.-	7	98,000.-			Arab Contractors
Shelter, large		16,000.-	7	112,000.-			Arab Contractors
Port. Met., Wind Speed+Direction	MO 034		1				Kontram
Port. Met., Rel. Hum.+Temp.	MO 083C-1-35		1				Kontram
Port. Met., Radiation Shield	5980		1				Kontram
Port. Met., Solar Radiation	MO 097		1				Kontram
Port. Met., Data logger	MO 466A		1				Kontram
Port. Met., Mast	908	35,720.-	1	35,720.-			Kontram, cost incl. sens.
Lab. env., Rel. Hum.+Temp.	Va HMP 231	38,305.-	2	76,610.-			Kontram, total Lab env.
Lab. env., Air Pressure	Va PTB 201AD		2				Kontram, cost incl. in RH
Lab. env., CO detector	SA 3000 SI		2				Kontram, cost incl. in RH
Pressure calibrator	Dr DPI 601	21,548.-	1	21,548.-			Druck
Multigas multipoint calibrator	TEI 146	54,810.-	1	54,810.-			Kontram
O3 calibrator	TEI 49CPS	45,810.-	2	91,620.-			Kontram
SO2 cal. gas, 100 ppm, ref. std.		11,270.-	2	22,540.-			Kontram, 10 litre or less
NO cal. gas, 100 ppm, ref. std.		11,270.-	2	22,540.-			Kontram, 10 litre or less
CO cal. gas, 5000 ppm, ref. std.		8,510.-	2	17,020.-			Kontram, 10 litre or less
HC cal. gas, 200 ppm, ref. std.		8,810.-	2	17,620.-			Kontram, 10 litre or less
Sample filter, teflon		1,310.-	9	11,790.-			Kontram
Wet gas meter 3 l/min	Ri TG3	20,438.-	1	20,438.-			Ritter
Wet gas meter 20 l/min	Ri TG20	25,192.-	1	25,192.-			Ritter
Repair tools		5,278.-	7	36,946.-	1	5,278.-	Kontram
Laboratory items		23,395.-	2	46,790.-			Kontram
Ref. lab, printer	HP 682C DJ		1				Kontram, cost incl. d. acq.
Motor scooter, Yamaha YB100		8,850.-	6	53,100.-			Bukkehave
Balance		42,485.-	1	42,485.-			Mettler
Computer for balance		15,000.-	1	15,000.-			Buy local
Comp. center data acq., PC	GW P5-166	100,000.-	1	100,000.-			Kontram
Comp. center data acq., monitor			1				Kontram, cost incl. d. acq.
Comp. center data acq., modem			1				Kontram, cost incl. d. acq.
Comp. center data acq., software	EMC Sys.Man.		1				Kontram, cost incl. d. acq.
Comp. center, software	MS Office 95		1				Kontram, cost incl. d. acq.
Comp. center, PC	GW P5-166		1				Kontram, cost incl. d. acq.
Comp. center, monitor			1				Kontram, cost incl. d. acq.
Comp. center, software	MS Office 95		1				Kontram, cost incl. d. acq.
Comp. center printer no. 2	HP LJ 5P		1		1		Kontram, cost incl. d. acq.
Total Dkk:				8,071,581.-		261,094.-	



## Procurement plan

Comment: Neg. Not alloc. indicates instr. not ordered  
 Uni./Met. = Cairo Univ./Meteorological inst.

Items	Model	Procured			Tot. proc.	Plan	Not alloc.	Comments	
		0	1	2					
SO2 monitor	TEI 43C		10	8	1	19	19		
NOx monitor	TEI 42C		11	3	1	15	15		
PM10 monitor	TEI 650PM10	9				9	8	1	Can not be returned
O3 monitor	TEI 49C		3	3	2	8	8		
CO monitor	TEI 48C		5			5	5		No backup
NMHC monitor	TEI 55C		5			5	5		No backup
Z/S unit, perm., NOx/NOx+SO2	TEI 145		10	2		12	12		
Span unit, perm., SO2	TEI 43C-400		5			5	5		
Z/S unit, gas, CO/HC	TEI 102S-2		4			4	3	1	Can be used as backup
Zero air generator, CO/HC	TEI 1150		5		1	6	6		No backup
Zero air gen. compressor, CO/HC			5		1	6	6		Incl. in Zero air gen.
Zero air generator, NOx/SO2	Purafil+Charcoal		11	3		14	14		Number is uncertain. Item incl. in other eq.
Zero air generator, SO2	Charcoal		5			5	5		
Zero air gen. pump, NOx/SO2									
SO2 cal. gas, 0.8 ppm, trav. std.			1	5		6	6		
NO cal. gas, 0.8 ppm, trav. std.			1	5		6	6		1 Wrong conc. delivered
CO cal. gas, 50 ppm, trav. std.			1	2		3	3		
HC cal. gas, 2 ppm, trav. std.			1	2		3	3		
SO2 cal. gas, 0.8 ppm, wrk. std.									
NO cal. gas, 0.8 ppm, wrk. std.									
CO cal. gas, 50 ppm, wrk. std.									
HC cal. gas, 2 ppm, wrk. std.									
CO zero. gas, wrk. std.									
CO span gas, 500 ppm, wrk. std			4			4	3	1	Can not be returned
HC span gas, 20 ppm, wrk. std.			4			4	3	1	Can not be returned
N2 carrier NMHC			5			5	4	1	Can not be returned
H2 generator NMHC			5			5	5		Included in HC mon.
SO2 perm. tubes, TEI 43C-400	177-005-0082		5			5	4	1	Can not be returned
SO2 perm. tubes, TEI 145	177-008-0082-T33		5	6		11	11		
NO2 perm. tubes, TEI 145	177-007-0081		10	1		11	11		1 ekstra needed (defective, buy later)
Air intake, simple							8	-8	Will be constructed
Air intake			11		1	12	12		
Air intake manifold, 5 solenoids			2			2	2		
Air intake manifold, 4 solenoids			1			1	2	-1	Will be constructed
Air intake manifold, 3 solenoids			3			3		3	Will be rebuilt
Air intake manifold, 2 solenoids			5			5	7	-2	Will be constructed
Met Wind Speed	MO 014-A-1	7				7	7		
Met Wind Direction	MO 024-A	7				7	7		
Met Rel. Hum.	MO 083C-0-35	7				7	7		
Met Radiation Shield	5980	7				7	7		
Met diff. temp.	MO 062	14				14	14		
Met Temp. radiation shield	MO 076B-12	14				14	14		
Met Solar Radiation	MO 097	7				7	7		
Met Translator	MO 131	7				7	7		
Met Mast	970664	7			1	8	8		
Met Solar Panel	270								
Met Radio link									
Met Relative humidity calibrator	510070			1		1	1		
Shelter data acq., PC	GW P5-133		12	8		20	20		
Shelter data acq., Monitor			12	8		20	20		
Shelter data acq., Modem			12	8		20	20		
Shelter data acq., Software	EMC St.Man.		12	8		20	20		
Shelter data acq., Software 2	MS Office 95		12	8		20	20		
Shelter data acq., Hardware	EMC		12	8		20	20		
Seq. air sampler, SO2	NILU FK1-SO2			13		13	13		
Seq. air sampler, NO2	NILU FK1-NO2			7		7	7		
PM10 HiVol	TEI 610		4	5		9	9		
TSP HiVol	TEI 600		2	3		5	5		
Calibration orifice kit	AWAAXXX8		3			3	3		Spare part
VOC sampler				6		6	6		Not from Kontram
Passive sampler				25		25	25		
Two filter sampler				12		12	12		
Rack for monitors	EDR20086		15	1		16	16		
Dust fall	NILU SF1			22		22	22		
Shelter, small				7		7	7		

## Procurement plan

Comment: Neg. Not alloc. indicates instr. not ordered  
 Uni./Met. = Cairo Univ./Meteorological inst.

Items	Model	Procured			Tot. proc.	Plan	Not alloc.	Comments
		0	1	2				
Shelter, large				7	7	7		
Port. Met., Wind Speed+Direction	MO 034	1			1	1		
Port. Met., Rel. Hum.+Temp.	MO 083C-1-35	1			1	1		
Port. Met., Radiation Shield	5980	1			1	1		
Port. Met., Solar Radiation	MO 097	1			1	1		
Port. Met., Data logger	MO 466A	1			1	1		
Port. Met., Mast	908	1			1	1		
Lab. env., Rel. Hum.+Temp.	Va HMP 231	1		1	2	2		
Lab. env., Air Pressure	Va PTB 201AD	1		1	2	2		
Lab. env., CO detector	SA 3000 SI	1		1	2	2		
Pressure calibrator	Dr DPI 601			1	1	1		
Multigas multipoint calibrator	TEI 146		1		1	2	2	
O3 calibrator	TEI 49CPS		1	1		2	2	
SO2 cal. gas, 100 ppm, ref. std.			1	1		2	2	
NO cal. gas, 100 ppm, ref. std.			1	1		2	2	
CO cal. gas, 5000 ppm, ref. std.			1	1		2	2	
HC cal. gas, 200 ppm, ref. std.			1	1		2	2	
Sample filter, teflon			9			9	9	
Wet gas meter 3 l/min	Ri TG3			1		1	1	
Wet gas meter 20 l/min	Ri TG20			1		1	1	
Repair tools		8				8	7	1 Can not be returned
Laboratory items			2			2	2	1/2 of Reflab to Alex
Ref. lab, PC	GW P5-133							Incl. in Shelter PC
Ref. lab, software	MS Office 95							Incl. in Shelter PC
Ref. lab, printer	HP 682C DJ		1			1	1	
Car, Mitsubishi Pajero GL			1			1		1 Administered by EEAA
Motor scooter, Yamaha YB100			6			6	6	
Balance			1			1	1	
Computer for balance				1		1	1	
Ion Chromatograph								
Comp. center data acq., PC	GW P5-166		1			1	1	
Comp. center data acq., monitor			1			1	1	
Comp. center data acq., modem			1			1	1	
Comp. center data acq., software	EMC Sys.Man.		1			1	1	
Comp. center, software	MS Office 95		1			1	1	
Comp. center printer no. 1	HP 682C DJ							
Comp. center, PC	GW P5-166		1			1	1	
Comp. center, monitor			1			1	1	
Comp. center, software	MS Office 95		1			1	1	
Comp. center printer no. 2	HP LJ 5P		2			2	1	1 To EIMP office

Procurement plan

Comment:

Station inventory - overview

Items	Model	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
SO2 monitor	TEI 43C		1		1			1	1	1			1	1		1		1	1					1	
NOx monitor	TEI 42C		1		1			1	1	1			1	1		1			1						1
PM10 monitor	TEI 650PM10		1						1				1	1				1							
O3 monitor	TEI 49C		1				1			1	1								1						
CO monitor	TEI 48C				1		1			1						1									
NMHC monitor	TEI 55C				1		1			1						1									
Z/S unit, perm., NOx/NOx+SO2	TEI 145		1						1	1				1	1		1								1
Span unit, perm., SO2	TEI 43C-400				1						1								1						
Z/S unit, gas, CO/HC	TEI 102S-2									1						1									
Zero air generator, CO/HC	TEI 1150				1		1			1						1				1					
Zero air gen. compressor, CO/HC					1		1			1						1				1					
Zero air generator, NOx/SO2	Purafil+Charcoal		1		1		1			1	1			1	1		1								1
Zero air generator, SO2	Charcoal				1						1								1						
Zero air gen. pump, NOx/SO2																									
SO2 cal. gas, 0.8 ppm, trav. std.				2		2		1												1					
NO cal. gas, 0.8 ppm, trav. std.				2		1		1												2					
CO cal. gas, 50 ppm, trav. std.				1		1		1																	
HC cal. gas, 2 ppm, trav. std.				1		1		1																	
SO2 cal. gas, 0.8 ppm, wrk. std.																									
NO cal. gas, 0.8 ppm, wrk. std.																									
CO cal. gas, 50 ppm, wrk. std.																									
HC cal. gas, 2 ppm, wrk. std.																									
CO zero. gas, wrk. std.																									
CO span gas, 500 ppm, wrk. std.											1														
HC span gas, 20 ppm, wrk. std.											1														
N2 carrier NMHC							1			1									1						
H2 generator NMHC					1		1			1										1					
SO2 perm. tubes, TEI 43C-400	177-005-0082											1								1					
SO2 perm. tubes, TEI 145	177-008-0082-T33								1	1				1	1		1								1
NO2 perm. tubes, TEI 145	177-007-0081								1	1				1	1		1								1
Air intake, simple																									
Air intake				1					1	1					1		1			1					1
Air intake manifold, 5 solenoids				1						1															
Air intake manifold, 4 solenoids																			1						
Air intake manifold, 3 solenoids																									
Air intake manifold, 2 solenoids										1					1										1
Met Wind Speed	MO 014-A-1			1							1				1										
Met Wind Direction	MO 024-A			1							1				1										
Met Rel. Hum.	MO 083C-0-35			1							1				1										
Met Radiation Shield	5980			1							1				1										
Met diff. temp.	MO 062			2							2				2										
Met Temp. radiation shield	MO 076B-12			2							2				2										
Met Solar Radiation	MO 097			1							1				1										
Met Translator	MO 131			1							1				1										
Met Mast	970664			1							1				1						1				
Met Solar Panel	270																								
Met Radio link																									
Met Relative humidity calibrator	510070				1																				
Shelter data acq., PC	GW P5-133			1			1		1	1	1			1	1		1		1						1
Shelter data acq., Monitor				1			1		1	1	1			1	1		1		1						1
Shelter data acq., Modem				1			1		1	1	1			1	1		1		1						1
Shelter data acq., Software	EMC St.Man.			1			1		1	1	1			1	1		1		1						1
Shelter data acq., Software 2	MS Office 95			1			1		1	1	1			1	1		1		1						1
Shelter data acq., Hardware	EMC			1			1		1	1	1			1	1		1		1						1
Seq. air sampler, SO2	NILU FK1-SO2			1									1			1						1	1		
Seq. air sampler, NO2	NILU FK1-NO2			1									1									1	1		
PM10 HiVol	TEI 610			1									1				1						1	1	
TSP HiVol	TEI 600									1					1	1									1
Calibration orifice kit	AWAAXXX8				2		1																		
VOC sampler				1					##	1						1									
Passive sampler																		2			2		2		2
Two filter sampler				1							1														1
Rack for monitors	EDR20086			1		1		1	1	1			1	1		1									1
Dust fall	NILU SF1			1											1	1		1	1				1	1	
Shelter, small																1									

## Procurement plan

Comment:

## Station inventory - overview

Items	Model	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Shelter, large									1				1			1								1
Port. Met., Wind Speed+Direction	MO 034		1																					
Port. Met., Rel. Hum.+Temp.	MO 083C-1-35		1																					
Port. Met., Radiation Shield	5980		1																					
Port. Met., Solar Radiation	MO 097		1																					
Port. Met., Data logger	MO 466A		1																					
Port. Met., Mast	908		1																					
Lab. env., Rel. Hum.+Temp.	Va HMP 231				1	1																		
Lab. env., Air Pressure	Va PTB 201AD				1	1																		
Lab. env., CO detector	SA 3000 SI				1	1																		
Pressure calibrator	Dr DPI 601					1																		
Multigas multpoint calibrator	TEI 146		1			1																		
O3 calibrator	TEI 49CPS				1	1																		
SO2 cal. gas, 100 ppm, ref. std.					1	1																		
NO cal. gas, 100 ppm, ref. std.					1	1																		
CO cal. gas, 5000 ppm, ref. std.					1	1																		
HC cal. gas, 200 ppm, ref. std.					1	1																		
Sample filter, teflon			7			2																		
Wet gas meter 3 l/min	Ri TG3					1																		
Wet gas meter 20 l/min	Ri TG20					1																		
Repair tools			4			2	1																	
Laboratory items			1			1																		
Ref. lab, PC	GW P5-133																							
Ref. lab, software	MS Office 95																							
Ref. lab, printer	HP 682C DJ					1																		
Car, Mitsubishi Pajero GL																								
Motor scooter, Yamaha YB100			4			2																		
Balance			1																					
Computer for balance			1																					
Ion Chromatograph																								
Comp. center data acq., PC	GW P5-166	1																						
Comp. center data acq., monitor		1																						
Comp. center data acq., modem		1																						
Comp. center data acq., software	EMC Sys.Man.	1																						
Comp. center, software	MS Office 95	1																						
Comp. center printer no. 1	HP 682C DJ																							
Comp. center, PC	GW P5-166					1																		
Comp. center, monitor						1																		
Comp. center, software	MS Office 95					1																		
Comp. center printer no. 2	HP LJ 5P	1																						

**Procurement plan**

Comment:

Items	Model	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	
Shelter, large					1										1					1					
Port. Met., Wind Speed+Direction	MO 034																								
Port. Met., Rel. Hum.+Temp.	MO 083C-1-35																								
Port. Met., Radiation Shield	5980																								
Port. Met., Solar Radiation	MO 097																								
Port. Met., Data logger	MO 466A																								
Port. Met., Mast	908																								
Lab. env., Rel. Hum.+Temp.	Va HMP 231																								
Lab. env., Air Pressure	Va PTB 201AD																								
Lab. env., CO detector	SA 3000 SI																								
Pressure calibrator	Dr DPI 601																								
Multigas multipoint calibrator	TEI 146																								
O3 calibrator	TEI 49CPS																								
SO2 cal. gas, 100 ppm, ref. std.																									
NO cal. gas, 100 ppm, ref. std.																									
CO cal. gas, 5000 ppm, ref. std.																									
HC cal. gas, 200 ppm, ref. std.																									
Sample filter, teflon																									
Wet gas meter 3 l/min	Ri TG3																								
Wet gas meter 20 l/min	Ri TG20																								
Repair tools																									
Laboratory items																									
Ref. lab, PC	GW P5-133																								
Ref. lab, software	MS Office 95																								
Ref. lab, printer	HP 682C DJ																								
Car, Mitsubishi Pajero GL																									
Motor scooter, Yamaha YB100																									
Balance																									
Computer for balance																									
Ion Chromatograph																									
Comp. center data acq., PC	GW P5-166																								
Comp. center data acq., monitor																									
Comp. center data acq., modem																									
Comp. center data acq., software	EMC Sys.Man.																								
Comp. center, software	MS Office 95																								
Comp. center printer no. 1	HP 682C DJ																								
Comp. center, PC	GW P5-166																								
Comp. center, monitor																									
Comp. center, software	MS Office 95																								
Comp. center printer no. 2	HP LJ 5P																								

Procurement plan

Comment:

Items	Model	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	
SO2 monitor	TEI 43C				1						1		1		1					1		1	1		
NOx monitor	TEI 42C				1								1		1					1				1	
PM10 monitor	TEI 650PM10														1					1		1			
O3 monitor	TEI 49C										1	1						1							
CO monitor	TEI 48C														1										
NMHC monitor	TEI 55C														1										
Z/S unit, perm., NOx/NOx+SO2	TEI 145				1								1		1					1				1	
Span unit, perm., SO2	TEI 43C-400										1												1		
Z/S unit, gas, CO/HC	TEI 102S-2														1										
Zero air generator, CO/HC	TEI 1150														1										
Zero air gen. compressor, CO/HC															1										
Zero air generator, NOx/SO2	Purafil+Charcoal				1								1		1					1				1	
Zero air generator, SO2	Charcoal										1												1		
Zero air gen. pump, NOx/SO2																									
SO2 cal. gas, 0.8 ppm, trav. std.																									
NO cal. gas, 0.8 ppm, trav. std.																									
CO cal. gas, 50 ppm, trav. std.																									
HC cal. gas, 2 ppm, trav. std.																									
SO2 cal. gas, 0.8 ppm, wrk. std.																									
NO cal. gas, 0.8 ppm, wrk. std.																									
CO cal. gas, 50 ppm, wrk. std.																									
HC cal. gas, 2 ppm, wrk. std.																									
CO zero. gas, wrk. std.																									
CO span gas, 500 ppm, wrk. std																1									
HC span gas, 20 ppm, wrk. std.																1									
N2 carrier NMHC																1									
H2 generator NMHC																1									
SO2 perm. tubes, TEI 43C-400	177-005-0082										1												1		
SO2 perm. tubes, TEI 145	177-008-0082-T33				1								1		1					1				1	
NO2 perm. tubes, TEI 145	177-007-0081				1								1		1					1				1	
Air intake, simple																									
Air intake					1								1		1					1				1	
Air intake manifold, 5 solenoids																									
Air intake manifold, 4 solenoids																1									
Air intake manifold, 3 solenoids																									
Air intake manifold, 2 solenoids					1								1							1				1	
Met Wind Speed	MO 014-A-1				1						1				1										1
Met Wind Direction	MO 024-A				1						1				1										1
Met Rel. Hum.	MO 083C-0-35				1						1				1										1
Met Radiation Shield	5980				1						1				1										1
Met diff. temp.	MO 062				2						2				2										2
Met Temp. radiation shield	MO 076B-12				2						2				2										2
Met Solar Radiation	MO 097				1						1				1										1
Met Translator	MO 131				1						1				1										1
Met Mast	970664				1						1				1										1
Met Solar Panel	270																								
Met Radio link																									
Met Relative humidity calibrator	510070																								
Shelter data acq., PC	GW P5-133				1						1	1	1		1				1		1		1	1	1
Shelter data acq., Monitor					1						1	1	1		1				1		1		1	1	1
Shelter data acq., Modem					1						1	1	1		1				1		1		1	1	1
Shelter data acq., Software	EMC St.Man.				1						1	1	1		1				1		1		1	1	1
Shelter data acq., Software 2	MS Office 95				1						1	1	1		1				1		1		1	1	1
Shelter data acq., Hardware	EMC				1						1	1	1		1				1		1		1	1	1
Seq. air sampler, SO2	NILU FK1-SO2							1	1						1		1	1		1		1		1	1
Seq. air sampler, NO2	NILU FK1-NO2														1		1	1		1		1		1	1
PM10 HiVol	TEI 610												1	1				1							1
TSP HiVol	TEI 600				1																				
Calibration orifice kit	AWAAXXX8																								
VOC sampler															1										1
Passive sampler		2	2	2		2		2	2	2	1	1								1					
Two filter sampler		1		1			1				1	1								1		1			
Rack for monitors	EDR20086				1						1	1			1					1				1	
Dust fall	NILU SF1		1	1		1	1	1	1		1	1	1	1					1	1		1	1	1	1
Shelter, small															1		1	1		1			1	1	

## Inventory List

Station:   
Date:

Area:

Consultant:

Test installation at Tebbin:

Comments:

Transfer to Station:

Items	Model	Tot.	Trf.	Serial No.	Sum Dkk	Comments
Comp. center data acq., PC	GW P5-166	1			100,000.-	Incl. tape streamer
Comp. center data acq., monitor		1				
Comp. center data acq., modem		1				
Comp. center data acq., software	EMC Sys.Man.	1				
Comp. center, software	MS Office 95	1				
Comp. center printer no. 2	HP LJ 5P	1				

Total Dkk: 100,000.-

## Inventory List

Station: **Monitoring Laboratory**Area: **Greater Cairo**

Date

Consultant: **Cairo University**

Test installation at Tebbin:

Comments: **Instruments are backup in case of crash in the network**Transfer to Station: **79.09.11**

Items	Model	Tot.	Trf.	Serial No.	Sum Dkk	Comments
SO2 monitor	TEI 43C	1	1	57788-316	48,220.-	Err: Did not take PeTu option
NOx monitor	TEI 42C	1	1	57955-315	59,110.-	
PM10 monitor	TEI 650PM10	1			79,070.-	Incl. air intake
O3 monitor	TEI 49C	1	1	58073-316	50,570.-	
Z/S unit, perm., NOx/NOx+SO2	TEI 145	1			22,180.-	
Zero air generator, NOx/SO2	Purafil+Charcoal	1	1	3		
CO cal. gas, 50 ppm, trav. std.		1			6,590.-	Incl. regulator
HC cal. gas, 2 ppm, trav. std.		1			7,120.-	Incl. regulator
Air intake		1			29,056.-	
Air intake manifold, 5 solenoids		1				
Met Wind Speed	MO 014-A-1	1				Incl. 12 m cable
Met Wind Direction	MO 024-A	1				Incl. 12 m cable
Met Rel. Hum.	MO 083C-0-35	1				Incl. 12 and 3 m cable?
Met Radiation Shield	5980	1				
Met diff. temp.	MO 062	2				Incl. 12 and 3 m cable
Met Temp. radiation shield	MO 076B-12	2				Incl. 12 and 3 m cable
Met Solar Radiation	MO 097	1				Incl. p/n 1289
Met Translator	MO 131	1				
Met Mast	970664	1			60,610.-	incl. p/n 5284, 193, 191
Shelter data acq., PC	GW P5-133	1			59,142.-	
Shelter data acq., Monitor		1				
Shelter data acq., Modem		1				
Shelter data acq., Software	EMC St.Man.	1				
Shelter data acq., Software 2	MS Office 95	1				
Shelter data acq., Hardware	EMC	1				16 AI channels
Seq. air sampler, SO2	NILU FK1-SO2	1			18,842.-	
Seq. air sampler, NO2	NILU FK1-NO2	1			18,842.-	
PM10 HiVol	TEI 610	1			37,376.-	
VOC sampler		1			2,500.-	
Two filter sampler		1			4,000.-	
Rack for monitors	EDR20086	1	1		2,756.-	
Dust fall	NILU SF1	1			2,056.-	
Port. Met., Wind Speed+Direction	MO 034	1				Incl. p/n 2954, 3013, 5 m cable
Port. Met., Rel. Hum.+Temp.	MO 083C-1-35	1				Incl. 5 m cable
Port. Met., Radiation Shield	5980	1				
Port. Met., Solar Radiation	MO 097	1				Incl. p/n 1289
Port. Met., Data logger	MO 466A	1				Incl. ARS software
Port. Met., Mast	908	1			35,720.-	incl. guy kit
Multigas multipoint calibrator	TEI 146	1	1			Property of Cairo Univ.
Sample filter, teflon		7	9		9,170.-	
Repair tools		4	2		21,112.-	
Laboratory items		1	2		23,395.-	Fittings for Mon+Ref not tub.
Motor scooter, Yamaha YB100		4			35,400.-	
Balance		1			42,485.-	
Computer for balance		1			15,000.-	

Total Dkk: 690,322.-



**Inventory List**Station: **Monitoring Laboratory**Area: **Greater Cairo**

Date

Consultant: **Cairo University**

Test installation at Tebbin:

Comments: **EXTRA EQUIPMENT**

Transfer to Station:

Items	Model	Tot.	Trf.	Serial No.	Sum Dkk	Comments
SO2 cal. gas, 0.8 ppm, trav. std.		2			28,740.-	Extra for dual prd. cal., in. reg.
NO cal. gas, 0.8 ppm, trav. std.		2			24,560.-	Extra for dual prd. cal., in. reg.
Met Relative humidity calibrator	510070	1			2,948.-	For calibrating rel. hum. chip
Calibration orifice kit	AWAAXXX8	2			13,672.-	Cal. kit - HiVol. (Spare part)

Total Dkk: 69,920.-

**Inventory List**

<b>Station:</b> Monitoring Laboratory	<b>Area:</b> Greater Cairo
<b>Date</b>	<b>Consultant:</b> Cairo University
<b>Test installation at Tebbin:</b>	<b>Comments:</b> UPGRADE TO CAL. LAB. FACILITIES
<b>Transfer to Station:</b>	

Items	Model	Tot.	Trf.	Serial No.	Sum Dkk	Comments
SO2 monitor	TEI 43C	1			48,220.-	W/internal PT, change in lab
NOx monitor	TEI 42C	1			59,110.-	
CO monitor	TEI 48C	1	1		41,610.-	
NMHC monitor	TEI 55C	1	1		103,560.-	
Span unit, perm. , SO2	TEI 43C-400	1			10,420.-	Installed inside SO2 monitor
Zero air generator, CO/HC	TEI 1150	1	1	58274-317	26,690.-	
Zero air gen. compressor, CO/HC		1	1			
Zero air generator, NOx/SO2	Purafil+Charcoal	1		3		
Zero air generator, SO2	Charcoal	1				
H2 generator NMHC		1	1			
Rack for monitors	EDR20086	1			2,756.-	
Lab. env., Rel. Hum.+Temp.	Va HMP 231	1			38,305.-	
Lab. env., Air Pressure	Va PTB 201AD	1				
Lab. env., CO detector	SA 3000 SI	1				
O3 calibrator	TEI 49CPS	1			45,810.-	
SO2 cal. gas, 100 ppm, ref. std.		1			11,270.-	
NO cal. gas, 100 ppm, ref. std.		1			11,270.-	
CO cal. gas, 5000 ppm, ref. std.		1			8,510.-	
HC cal. gas, 200 ppm, ref. std.		1			8,810.-	

Total Dkk: 416,341.-

## Inventory List

Station: **Monitoring Lab., Alex**  
Date

Area: Alexandria

Consultant: Alexandria University

Test installation at Tebbin:

Comments: **UPGRADE TO MON. LAB.**

Transfer to Station:

**FACILITIES**

Items	Model	Tot.	Trf.	Serial No.	Sum Dkk	Comments
SO2 cal. gas, 0.8 ppm, trav. std.		2			28,740.-	Extra for dual prd. cal., in. reg.
NO cal. gas, 0.8 ppm, trav. std.		1			12,280.-	Incl. regualtor
CO cal. gas, 50 ppm, trav. std.		1			6,590.-	Incl. regualtor
HC cal. gas, 2 ppm, trav. std.		1			7,120.-	Incl. regualtor
Calibration orifice kit	AWAAXXX8	1			6,836.-	Cal. kit - HiVol. (Spare part)
Repair tools		2			10,556.-	In storage
Motor scooter, Yamaha YB100		2			17,700.-	In storage
Comp. center, PC	GW P5-166	1				Incl. tape streamer
Comp. center, monitor		1				
Comp. center, software	MS Office 95	1				

Total Dkk: 89,822.-

## Inventory List

Station: Reference Laboratory

Area: Greater Cairo

Date

Consultant: NIS

Test installation at Tebbin:

Comments:

Transfer to Station:

Items	Model	Tot.	Trf.	Serial No.	Sum Dkk	Comments
SO2 monitor	TEI 43C	1			48,220.-	
NOx monitor	TEI 42C	1			59,110.-	
O3 monitor	TEI 49C	1			50,570.-	
CO monitor	TEI 48C	1			41,610.-	
NMHC monitor	TEI 55C	1			103,560.-	
Zero air generator, CO/HC	TEI 1150	1			26,690.-	
Zero air gen. compressor, CO/HC		1				
Zero air generator, NOx/SO2	Purafil+Charcoal	1		3		
N2 carrier NMHC		1			2,900.-	Incl. regulator
H2 generator NMHC		1				
Shelter data acq., PC	GW P5-133	1			59,142.-	Incl. tape streamer
Shelter data acq., Monitor		1				
Shelter data acq., Modem		1				
Shelter data acq., Software	EMC St.Man.	1				
Shelter data acq., Software 2	MS Office 95	1				
Shelter data acq., Hardware	EMC	1				32 AI channels
Rack for monitors	EDR20086	1			2,756.-	
Lab. env., Rel. Hum.+Temp.	Va HMP 231	1			38,305.-	
Lab. env., Air Pressure	Va PTB 201AD	1				
Lab. env., CO detector	SA 3000 SI	1				
Pressure calibrator	Dr DPI 601	1			21,548.-	
Multigas multipoint calibrator	TEI 146	1			54,810.-	
O3 calibrator	TEI 49CPS	1			45,810.-	
SO2 cal. gas, 100 ppm, ref. std.		1			11,270.-	
NO cal. gas, 100 ppm, ref. std.		1			11,270.-	
CO cal. gas, 5000 ppm, ref. std.		1			8,510.-	
HC cal. gas, 200 ppm, ref. std.		1			8,810.-	
Sample filter, teflon		2			2,620.-	Stored at Mon.lab.
Wet gas meter 3 l/min	Ri TG3	1			20,438.-	
Wet gas meter 20 l/min	Ri TG20	1			25,192.-	
Repair tools		1			5,278.-	
Laboratory items		1			23,395.-	Fittings stored at EIMP
Ref. lab, printer	HP 682C DJ	1				

Total Dkk: 671,814.-

**Inventory List**

<b>Station:</b>	Reference Laboratory	<b>Area:</b>	Greater Cairo
	<b>Date</b>	<b>Consultant:</b>	NIS
<b>Test installation at Tebbin:</b>		<b>Comments:</b>	UPGRADE TO SITE
<b>Transfer to Station:</b>			CALIBRATIONS

Items	Model	Tot.	Trf.	Serial No.	Sum Dkk	Comments
SO2 cal. gas, 0.8 ppm, trav. std.		1			14,370.-	Incl. reg., random Z/S checks
NO cal. gas, 0.8 ppm, trav. std.		1			12,280.-	Incl. reg., random Z/S checks
CO cal. gas, 50 ppm, trav. std.		1			6,590.-	Incl. reg., random Z/S checks
HC cal. gas, 2 ppm, trav. std.		1			7,120.-	Incl. reg., random Z/S checks

Total Dkk: 40,360.-

**Inventory List**

Station:	Cairo City Center	Area:	Greater Cairo / Urban center
	Date	Consultant:	Cairo University
Test installation at Tebbin:		Comments:	
Transfer to Station:			

Items	Model	Tot.	Trf.	Serial No.	Sum Dkk	Comments
SO2 monitor	TEI 43C	1			48,220.-	
NOx monitor	TEI 42C	1			59,110.-	
PM10 monitor	TEI 650PM10	1			79,070.-	Incl. air intake
Z/S unit, perm., NOx/NOx+SO2	TEI 145	1			22,180.-	
Zero air generator, NOx/SO2	Purafil+Charcoal	1		3		
SO2 perm. tubes, TEI 145	177-008-0082-T33	1			2,356.-	
NO2 perm. tubes, TEI 145	177-007-0081	1			2,473.-	
Air intake		1			29,056.-	
Air intake manifold, 2 solenoids		1				
Shelter data acq., PC	GW P5-133	1			59,142.-	
Shelter data acq., Monitor		1				
Shelter data acq., Modem		1				
Shelter data acq., Software	EMC St.Man.	1				
Shelter data acq., Software 2	MS Office 95	1				
Shelter data acq., Hardware	EMC	1				16 AI channels
TSP HiVol	TEI 600	1			27,569.-	
VOC sampler		1			2,500.-	
Rack for monitors	EDR20086	1			2,756.-	
Shelter, large		1			16,000.-	

Total Dkk: 350,432.-

## Inventory List

Station:   
Date:

Area:

Test installation at Tebbin:

Consultant:

Transfer to Station:

Comments:

Items	Model	Tot.	Trf.	Serial No.	Sum Dkk	Comments
SO2 monitor	TEI 43C	1			48,220.-	
NOx monitor	TEI 42C	1			59,110.-	
O3 monitor	TEI 49C	1			50,570.-	
CO monitor	TEI 48C	1			41,610.-	
NMHC monitor	TEI 55C	1			103,560.-	
Z/S unit, perm., NOx/NOx+SO2	TEI 145	1			22,180.-	
Z/S unit, gas, CO/HC	TEI 102S-2	1			21,150.-	
Zero air generator, CO/HC	TEI 1150	1			26,690.-	
Zero air gen. compressor, CO/HC		1				
Zero air generator, NOx/SO2	Purafil+Charcoal	1		3		
CO span gas, 500 ppm, wrk. std		1			6,860.-	Incl. regualtor
HC span gas, 20 ppm, wrk. std.		1			7,130.-	Incl. regualtor
N2 carrier NMHC		1			2,900.-	Incl. regualtor
H2 generator NMHC		1				
SO2 perm. tubes, TEI 145	177-008-0082-T33	1			2,356.-	
NO2 perm. tubes, TEI 145	177-007-0081	1			2,473.-	
Air intake		1			29,056.-	
Air intake manifold, 5 solenoids		1				
Shelter data acq., PC	GW P5-133	1			59,142.-	
Shelter data acq., Monitor		1				
Shelter data acq., Modem		1				
Shelter data acq., Software	EMC St.Man.	1				
Shelter data acq., Software 2	MS Office 95	1				
Shelter data acq., Hardware	EMC	1				16 AI channels
Two filter sampler		1			4,000.-	
Rack for monitors	EDR20086	1			2,756.-	

Total Dkk: 489,763.-

**Inventory List**

<b>Station:</b> Meteorological Institute	<b>Area:</b> Greater Cairo / Res./Urban
<b>Date:</b>	<b>Consultant:</b> Cairo University
<b>Test installation at Tebbin:</b>	<b>Comments:</b> Cost of Met. Inst instr. not included
<b>Transfer to Station:</b>	

Items	Model	Tot.	Trf.	Serial No.	Sum Dkk	Comments
SO2 monitor	TEI 43C	1			48,220.-	
O3 monitor	TEI 49C	1				Property of Met. Inst.
Span unit, perm. , SO2	TEI 43C-400	1			10,420.-	Installed inside SO2 monitor
Zero air generator, SO2	Charcoal	1				
SO2 perm. tubes, TEI 43C-400	177-005-0082	1			2,356.-	
Air intake, simple		1			200.-	
Met Wind Speed	MO 014-A-1	1				Incl. 12 m cable
Met Wind Direction	MO 024-A	1				Incl. 12 m cable
Met Rel. Hum.	MO 083C-0-35	1				Incl. 12 and 3 m cable?
Met Radiation Shield	5980	1				
Met diff. temp.	MO 062	2				Incl. 12 and 3 m cable
Met Temp. radiation shield	MO 076B-12	2				Incl. 12 and 3 m cable
Met Solar Radiation	MO 097	1				Incl. p/n 1289
Met Translator	MO 131	1				
Met Mast	970664	1			60,610.-	incl. p/n 5284, 193, 191
Shelter data acq., PC	GW P5-133	1			59,142.-	
Shelter data acq., Monitor		1				
Shelter data acq., Modem		1				
Shelter data acq., Software	EMC St.Man.	1				
Shelter data acq., Software 2	MS Office 95	1				
Shelter data acq., Hardware	EMC	1				16 AI channels
Rack for monitors	EDR20086	1			2,756.-	

Total Dkk: 183,704.-



**Inventory List**

<b>Station:</b>	Nasr City	<b>Area:</b>	Greater Cairo / Residential
	<b>Date</b>	<b>Consultant:</b>	Cairo University
<b>Test installation at Tebbin:</b>		<b>Comments:</b>	
<b>Transfer to Station:</b>			

Items	Model	Tot.	Trf.	Serial No.	Sum Dkk	Comments
Seq. air sampler, SO2	NILU FK1-SO2	1			18,842.-	
Seq. air sampler, NO2	NILU FK1-NO2	1			18,842.-	
PM10 HiVol	TEI 610	1			37,376.-	

Total Dkk: 75,060.-

**Inventory List**Station: **Maadi Police Station**Area: **Greater Cairo / Residential**

Date

Consultant: **Cairo University**Test installation at Tebbin: Comments: **Simple air intake with**Transfer to Station: **rebuilt solenoids**

Items	Model	Tot.	Trf.	Serial No.	Sum Dkk	Comments
SO2 monitor	TEI 43C	1			48,220.-	
NOx monitor	TEI 42C	1			59,110.-	
PM10 monitor	TEI 650PM10	1			79,070.-	Incl. air intake
Z/S unit, perm., NOx/NOx+SO2	TEI 145	1			22,180.-	
Zero air generator, NOx/SO2	Purafil+Charcoal	1		3		
SO2 perm. tubes, TEI 145	177-008-0082-T33	1			2,356.-	
NO2 perm. tubes, TEI 145	177-007-0081	1			2,473.-	
Air intake, simple		1			200.-	
Shelter data acq., PC	GW P5-133	1			59,142.-	
Shelter data acq., Monitor		1				
Shelter data acq., Modem		1				
Shelter data acq., Software	EMC St.Man.	1				
Shelter data acq., Software 2	MS Office 95	1				
Shelter data acq., Hardware	EMC	1				16 AI channels
Rack for monitors	EDR20086	1			2,756.-	
Shelter, large		1			16,000.-	

Total Dkk: 291,507.-

## Inventory List

Station:	Tebbin	Area:	Greater Cairo / Industrial
	Date	Consultant:	Cairo University
Test installation at Tebbin:	97.09.21	Comments:	
Transfer to Station:			

Items	Model	Tot.	Trf.	Serial No.	Sum Dkk	Comments
SO2 monitor	TEI 43C	1		43C-57681-316	48.220.-	
NOx monitor	TEI 42C	1		42C-57904-315	59.110.-	
PM10 monitor	TEI 650PM10	1			79.070.-	Incl. air intake
Z/S unit. perm.. NOx/NOx+SO2	TEI 145	1		145-58279-317	22.180.-	
Zero air generator. NOx/SO2	Purafil+Charcoal	1		3		
SO2 perm. tubes. TEI 145	177-008-0082-T33	1			2.356.-	
NO2 perm. tubes. TEI 145	177-007-0081	1			2.473.-	
Air intake		1		7021-3482	29.056.-	
Air intake manifold. 2 solenoids		1				
Met Wind Speed	MO 014-A-1	1		U1786		Incl. 12 m cable
Met Wind Direction	MO 024-A	1		U1059		Incl. 12 m cable
Met Rel. Hum.	MO 083C-0-35	1		41843		Incl. 12 and 3 m cable?
Met Radiation Shield	5980	1				
Met diff. temp.	MO 062	2		U1763/U1764		Incl. 12 and 3 m cable
Met Temp. radiation shield	MO 076B-12	2				Incl. 12 and 3 m cable
Met Solar Radiation	MO 097	1				Incl. p/n 1289
Met Translator	MO 131	1		U1839		
Met Mast	970664	1			60.610.-	incl. p/n 5284, 193, 191
Shelter data acq.. PC	GW P5-133	1		6897827	59,142.-	
Shelter data acq.. Monitor		1				
Shelter data acq.. Modem		1		2680662119715		
Shelter data acq.. Software	EMC St.Man.	1				
Shelter data acq.. Software 2	MS Office 95	1				
Shelter data acq.. Hardware	EMC	1		270		16 AI channels
TSP HiVol	TEI 600	1		610-58137-316	27.569.-	
Rack for monitors	EDR20086	1			2.756.-	
Dust fall	NILU SF1	1			2.056.-	
Total Dkk:					394.598.-	

## Inventory List

Station:	Tebbin South	Area:	Greater Cairo / Industrial
	Date	Consultant:	Cairo University
Test installation at Tebbin:		Comments:	
Transfer to Station:			

Items	Model	Tot.	Trf.	Serial No.	Sum Dkk	Comments
Seq. air sampler, SO2	NILU FK1-SO2	1			18,842.-	
TSP HiVol	TEI 600	1			27,569.-	
VOC sampler		1			2,500.-	
Dust fall	NILU SF1	1			2,056.-	
Shelter, small		1			14,000.-	

Total Dkk: 64,967.-

## Inventory List

Station: Area: 

Date

Consultant: Test installation at Tebbin: 

Comments:

Transfer to Station: 

Items	Model	Tot.	Trf.	Serial No.	Sum Dkk	Comments
SO2 monitor	TEI 43C	1			48,220.-	
NOx monitor	TEI 42C	1			59,110.-	
CO monitor	TEI 48C	1			41,610.-	
NMHC monitor	TEI 55C	1			103,560.-	
Z/S unit, perm., NOx/NOx+SO2	TEI 145	1			22,180.-	
Z/S unit, gas, CO/HC	TEI 102S-2	1			21,150.-	
Zero air generator, CO/HC	TEI 1150	1			26,690.-	
Zero air gen. compressor, CO/HC		1				
Zero air generator, NOx/SO2	Purafil+Charcoal	1		3		
CO span gas, 500 ppm, wrk. std		1			6,860.-	Incl. regualtor
HC span gas, 20 ppm, wrk. std.		1			7,130.-	Incl. regualtor
N2 carrier NMHC		1			2,900.-	Incl. regualtor
H2 generator NMHC		1				
SO2 perm. tubes, TEI 145	177-008-0082-T33	1			2,356.-	
NO2 perm. tubes, TEI 145	177-007-0081	1			2,473.-	
Air intake		1			29,056.-	
Air intake manifold, 4 solenoids		1				
Shelter data acq., PC	GW P5-133	1			59,142.-	
Shelter data acq., Monitor		1				
Shelter data acq., Modem		1				
Shelter data acq., Software	EMC St.Man.	1				
Shelter data acq., Software 2	MS Office 95	1				
Shelter data acq., Hardware	EMC	1				16 AI channels
PM10 HiVol	TEI 610	1			37,376.-	
Rack for monitors	EDR20086	1			2,756.-	
Shelter, large		1			16,000.-	

Total Dkk: 488,569.-

### Inventory List

Station:	Abu Zabel	Area:	Greater Cairo / Industrial
	Date	Consultant:	Cairo University
Test installation at Tebbin:		Comments:	
Transfer to Station:			

Items	Model	Tot.	Trf.	Serial No.	Sum Dkk	Comments
Passive sampler		2			400.-	
Dust fall	NILU SF1	1			2,056.-	

Total Dkk: 2,456.-

## Inventory List

Station:   
Date:

Area:

Test installation at Tebbin:   
Transfer to Station:

Consultant:   
Comments:

Items	Model	Tot.	Trf.	Serial No.	Sum Dkk	Comments
SO2 monitor	TEI 43C	1			48,220.-	
PM10 monitor	TEI 650PM10	1			79,070.-	Incl. air intake
Span unit, perm. , SO2	TEI 43C-400	1			10,420.-	Installed inside SO2 monitor
Zero air generator, SO2	Charcoal	1				
SO2 perm. tubes, TEI 43C-400	177-005-0082	1			2,356.-	
Air intake, simple		1			200.-	
Shelter data acq., PC	GW P5-133	1			59,142.-	
Shelter data acq., Monitor		1				
Shelter data acq., Modem		1				
Shelter data acq., Software	EMC St.Man.	1				
Shelter data acq., Software 2	MS Office 95	1				
Shelter data acq., Hardware	EMC	1				16 AI channels
Seq. air sampler, NO2	NILU FK1-NO2	1			18,842.-	
VOC sampler		1			2,500.-	
Two filter sampler		1			4,000.-	
Dust fall	NILU SF1	1			2,056.-	
Total Dkk:					226,806.-	

## Inventory List

Station:	Giza, Cairo University	Area:	Greater Cairo / Residential
	Date	Consultant:	Cairo University
Test installation at Tebbin:		Comments:	Data transferred manually
Transfer to Station:	97.09.11		Cost of CaUn instr. not incl.

Items	Model	Tot.	Trf.	Serial No.	Sum Dkk	Comments
SO2 monitor	TEI 43C	1	1			Property of Cairo Univ.
NOx monitor	TEI 42C	1	1			Property of Cairo Univ.
O3 monitor	TEI 49C	1	1			Property of Cairo Univ.
Zero air generator. CO/HC	TEI 1150	1	1			Property of Cairo Univ.
Zero air gen. compressor. CO/HC		1	1			Property of Cairo Univ.
SO2 cal. gas. 0.8 ppm. trav. std.		1	1		14,370.-	Incl. reg.
NO cal. gas. 0.8 ppm. trav. std.		2	1		24,560.-	1 is 5ppm! Buy 0.8ppm
Air intake. simple		1			200.-	
Air intake		1				Prop. of Cairo Univ. Not used
Met Mast	970664	1	1			Property of Cairo Univ.

Total Dkk: 39,130.-



**Inventory List**

Station:	Giza Pyramid	Area:	Greater Cairo / Regional
	Date	Consultant:	Cairo University
Test installation at Tebbin:		Comments:	
Transfer to Station:			

Items	Model	Tot.	Trf.	Serial No.	Sum Dkk	Comments
Passive sampler		2			400.-	

Total Dkk: 400.-

**Inventory List**

<b>Station:</b>	6 October	<b>Area:</b>	Greater Cairo / Res./Indust.
	<b>Date</b>	<b>Consultant:</b>	Cairo University
<b>Test installation at Tebbin:</b>		<b>Comments:</b>	
<b>Transfer to Station:</b>			

Items	Model	Tot.	Trf.	Serial No.	Sum Dkk	Comments
Seq. air sampler, SO2	NILU FK1-SO2	1			18,842.-	
Seq. air sampler, NO2	NILU FK1-NO2	1			18,842.-	
PM10 HiVol	TEI 610	1			37,376.-	

Total Dkk: 75,060.-

## Inventory List

Station:	10 Ramadan	Area:	Greater Cairo / Res./Indust.
	Date	Consultant:	Cairo University
Test installation at Tebbin:		Comments:	
Transfer to Station:			

Items	Model	Tot.	Trf.	Serial No.	Sum Dkk	Comments
Seq. air sampler, SO2	NILU FK1-SO2	1			18,842.-	
PM10 HiVol	TEI 610	1			37,376.-	
Passive sampler		2			400.-	
Dust fall	NILU SF1	1			2,056.-	

Total Dkk: 58,674.-

## Inventory List

Station:	Suez	Area:	Canal Area / Res./Indust.
	Date	Consultant:	Cairo University
Test installation at Tebbin:		Comments:	
Transfer to Station:			

Items	Model	Tot.	Trf.	Serial No.	Sum Dkk	Comments
SO2 monitor	TEI 43C	1			48,220.-	
NOx monitor	TEI 42C	1			59,110.-	
Z/S unit, perm., NOx/NOx+SO2	TEI 145	1			22,180.-	
Zero air generator, NOx/SO2	Purafil+Charcoal	1		3		
SO2 perm. tubes, TEI 145	177-008-0082-T33	1			2,356.-	
NO2 perm. tubes, TEI 145	177-007-0081	1			2,473.-	
Air intake		1			29,056.-	
Air intake manifold, 2 solenoids		1				
Shelter data acq., PC	GW P5-133	1			59,142.-	
Shelter data acq., Monitor		1				
Shelter data acq., Modem		1				
Shelter data acq., Software	EMC St.Man.	1				
Shelter data acq., Software 2	MS Office 95	1				
Shelter data acq., Hardware	EMC	1				16 AI channels
TSP HiVol	TEI 600	1			27,569.-	
Rack for monitors	EDR20086	1			2,756.-	
Dust fall	NILU SF1	1			2,056.-	
Shelter, large		1			16,000.-	

Total Dkk: 270,918.-

**Inventory List**

Station:	Ismailia	Area:	Canal Area / Residential
	Date	Consultant:	Cairo University
Test installation at Tebbin:		Comments:	
Transfer to Station:			

Items	Model	Tot.	Trf.	Serial No.	Sum Dkk	Comments
Passive sampler		2			400.-	
Two filter sampler		1			4,000.-	

Total Dkk: 4,400.-

**Inventory List**

<b>Station:</b>	Port Said	<b>Area:</b>	Canal Area / Residential
	<b>Date</b>	<b>Consultant:</b>	Cairo University
<b>Test installation at Tebbin:</b>		<b>Comments:</b>	
<b>Transfer to Station:</b>			

Items	Model	Tot.	Trf.	Serial No.	Sum Dkk	Comments
Passive sampler		2			400.-	
Two filter sampler		1			4,000.-	

Total Dkk: 4,400.-

**Inventory List**

Station:	El Fayum	Area:	Upper Egypt / Res./Indust.
	Date	Consultant:	Cairo University
Test installation at Tebbin:		Comments:	
Transfer to Station:			

Items	Model	Tot.	Trf.	Serial No.	Sum Dkk	Comments
Passive sampler		2			400.-	
Dust fall	NILU SF1	1			2,056.-	

Total Dkk: 2,456.-

**Inventory List**

<b>Station:</b>	El Minya	<b>Area:</b>	Upper Egypt / Res./Indust.
	<b>Date</b>	<b>Consultant:</b>	Cairo University
<b>Test installation at Tebbin:</b>		<b>Comments:</b>	
<b>Transfer to Station:</b>			

Items	Model	Tot.	Trf.	Serial No.	Sum Dkk	Comments
Passive sampler		2			400.-	
Two filter sampler		1			4,000.-	
Dust fall	NILU SF1	1			2,056.-	

Total Dkk: 6,456.-



## Inventory List

Station:	Assyut (1)	Area:	Upper Egypt / Res./Indust.
	Date	Consultant:	Cairo University
Test installation at Tebbin:		Comments:	
Transfer to Station:			

Items	Model	Tot.	Trf.	Serial No.	Sum Dkk	Comments
SO2 monitor	TEI 43C	1			48,220.-	
NOx monitor	TEI 42C	1			59,110.-	
Z/S unit, perm., NOx/NOx+SO2	TEI 145	1			22,180.-	
Zero air generator, NOx/SO2	Purafil+Charcoal	1		3		
SO2 perm. tubes, TEI 145	177-008-0082-T33	1			2,356.-	
NO2 perm. tubes, TEI 145	177-007-0081	1			2,473.-	
Air intake		1			29,056.-	
Air intake manifold, 2 solenoids		1				
Met Wind Speed	MO 014-A-1	1				Incl. 12 m cable
Met Wind Direction	MO 024-A	1				Incl. 12 m cable
Met Rel. Hum.	MO 083C-0-35	1				Incl. 12 and 3 m cable?
Met Radiation Shield	5980	1				
Met diff. temp.	MO 062	2				Incl. 12 and 3 m cable
Met Temp. radiation shield	MO 076B-12	2				Incl. 12 and 3 m cable
Met Solar Radiation	MO 097	1				Incl. p/n 1289
Met Translator	MO 131	1				
Met Mast	970664	1			60,610.-	incl. p/n 5284, 193, 191
Shelter data acq., PC	GW P5-133	1			59,142.-	
Shelter data acq., Monitor		1				
Shelter data acq., Modem		1				
Shelter data acq., Software	EMC St.Man.	1				
Shelter data acq., Software 2	MS Office 95	1				
Shelter data acq., Hardware	EMC	1				16 AI channels
TSP HiVol	TEI 600	1			27,569.-	
Rack for monitors	EDR20086	1			2,756.-	
Shelter, large		1			16,000.-	

Total Dkk: 329,472.-

**Inventory List**

<b>Station:</b>	Assyut (2)	<b>Area:</b>	Upper Egypt / Res./Urban
	<b>Date</b>	<b>Consultant:</b>	Cairo University
<b>Test installation at Tebbin:</b>		<b>Comments:</b>	
<b>Transfer to Station:</b>			

Items	Model	Tot.	Trf.	Serial No.	Sum Dkk	Comments
Passive sampler		2			400.-	
Dust fall	NILU SF1	1			2,056.-	

Total Dkk: 2,456.-

**Inventory List**

<b>Station:</b>	Nag Hammadi	<b>Area:</b>	Upper Egypt / Res./Indust.
	<b>Date</b>	<b>Consultant:</b>	Cairo University
<b>Test installation at Tebbin:</b>		<b>Comments:</b>	
<b>Transfer to Station:</b>			

Items	Model	Tot.	Trf.	Serial No.	Sum Dkk	Comments
Two filter sampler		1			4,000.-	
Dust fall	NILU SF1	1			2,056.-	

Total Dkk: 6,056.-

## Inventory List

Station:	Domyat	Area:	Delta Area / Residential
	Date	Consultant:	Alexandria University
Test installation at Tebbin:		Comments:	
Transfer to Station:			

Items	Model	Tot.	Trf.	Serial No.	Sum Dkk	Comments
Met Wind Speed	MO 014-A-1	1				Incl. 12 m cable
Met Wind Direction	MO 024-A	1				Incl. 12 m cable
Met Rel. Hum.	MO 083C-0-35	1				Incl. 12 and 3 m cable?
Met Radiation Shield	5980	1				
Met diff. temp.	MO 062	2				Incl. 12 and 3 m cable
Met Temp. radiation shield	MO 076B-12	2				Incl. 12 and 3 m cable
Met Solar Radiation	MO 097	1				Incl. p/n 1289
Met Translator	MO 131	1				
Met Mast	970664	1			60,610.-	incl. p/n 5284, 193, 191
Shelter data acq., PC	GW P5-133	1			59,142.-	
Shelter data acq., Monitor		1				
Shelter data acq., Modem		1				
Shelter data acq., Software	EMC St.Man.	1				
Shelter data acq., Software 2	MS Office 95	1				
Shelter data acq., Hardware	EMC	1				16 AI channels
Seq. air sampler, SO2	NILU FK1-SO2	1			18,842.-	
PM10 HiVol	TEI 610	1			37,376.-	
Dust fall	NILU SF1	1			2,056.-	
Total Dkk:					178,026.-	

**Inventory List**Station: Area: 

Date

Consultant: Test installation at Tebbin: Comments: Transfer to Station: 

Items	Model	Tot.	Trf.	Serial No.	Sum Dkk	Comments
Seq. air sampler, SO2	NILU FK1-SO2	1			18,842.-	
Passive sampler		2			400.-	
Dust fall	NILU SF1	1			2,056.-	

Total Dkk: 21,298.-

**Inventory List**

<b>Station:</b>	Edfu	<b>Area:</b>	Upper Egypt / Res./Indust.
	<b>Date</b>	<b>Consultant:</b>	Cairo University
<b>Test installation at Tebbin:</b>		<b>Comments:</b>	
<b>Transfer to Station:</b>			

Items	Model	Tot.	Trf.	Serial No.	Sum Dkk	Comments
Seq. air sampler, SO2	NILU FK1-SO2	1			18,842.-	
Passive sampler		2			400.-	
Dust fall	NILU SF1	1			2,056.-	

Total Dkk: 21,298.-

**Inventory List**

Station:	Kom Ombo	Area:	Upper Egypt / Industrial
	Date	Consultant:	Cairo University
Test installation at Tebbin:		Comments:	
Transfer to Station:			

Items	Model	Tot.	Trf.	Serial No.	Sum Dkk	Comments
Passive sampler		2			400.-	
Two filter sampler		1			4,000.-	

Total Dkk: 4,400.-

## Inventory List

Station:	Aswan	Area:	Upper Egypt / Res./Indust.
	Date	Consultant:	Cairo University
Test installation at Tebbin:		Comments:	
Transfer to Station:			

Items	Model	Tot.	Trf.	Serial No.	Sum Dkk	Comments
SO2 monitor	TEI 43C	1			48,220.-	
O3 monitor	TEI 49C	1			50,570.-	
Span unit, perm. , SO2	TEI 43C-400	1			10,420.-	Installed inside SO2 monitor
Zero air generator, SO2	Charcoal	1				
SO2 perm. tubes, TEI 43C-400	177-005-0082	1			2,356.-	
Air intake, simple		1			200.-	
Met Wind Speed	MO 014-A-1	1				Incl. 12 m cable
Met Wind Direction	MO 024-A	1				Incl. 12 m cable
Met Rel. Hum.	MO 083C-0-35	1				Incl. 12 and 3 m cable?
Met Radiation Shield	5980	1				
Met diff. temp.	MO 062	2				Incl. 12 and 3 m cable
Met Temp. radiation shield	MO 076B-12	2				Incl. 12 and 3 m cable
Met Solar Radiation	MO 097	1				Incl. p/n 1289
Met Translator	MO 131	1				
Met Mast	970664	1			60,610.-	incl. p/n 5284, 193, 191
Shelter data acq., PC	GW P5-133	1			59,142.-	
Shelter data acq., Monitor		1				
Shelter data acq., Modem		1				
Shelter data acq., Software	EMC St.Man.	1				
Shelter data acq., Software 2	MS Office 95	1				
Shelter data acq., Hardware	EMC	1				16 AI channels
Passive sampler		1			200.-	
Rack for monitors	EDR20086	1			2,756.-	
Dust fall	NILU SF1	1			2,056.-	
					Total Dkk:	236,530.-



**Inventory List**Station: Area: 

Date

Consultant: Test installation at Tebbin: Comments: Transfer to Station: 

Items	Model	Tot.	Trf.	Serial No.	Sum Dkk	Comments
O3 monitor	TEI 49C	1			50,570.-	
Air intake, simple		1			200.-	
Shelter data acq., PC	GW P5-133	1			59,142.-	
Shelter data acq., Monitor		1				
Shelter data acq., Modem		1				
Shelter data acq., Software	EMC St.Man.	1				
Shelter data acq., Software 2	MS Office 95	1				
Shelter data acq., Hardware	EMC	1				16 AI channels
Passive sampler		1			200.-	
Two filter sampler		1			4,000.-	
Dust fall	NILU SF1	1			2,056.-	

Total Dkk: 116,168.-

**Inventory List**

<b>Station:</b>	Abu Keir College	<b>Area:</b>	Alexandria / Industrial
	<b>Date</b>	<b>Consultant:</b>	Alexandria University
<b>Test installation at Tebbin:</b>		<b>Comments:</b>	
<b>Transfer to Station:</b>			

Items	Model	Tot.	Trf.	Serial No.	Sum Dkk	Comments
SO2 monitor	TEI 43C	1			48,220.-	
NOx monitor	TEI 42C	1			59,110.-	
Z/S unit, perm., NOx/NOx+SO2	TEI 145	1			22,180.-	
Zero air generator, NOx/SO2	Purafil+Charcoal	1		3		
SO2 perm. tubes, TEI 145	177-008-0082-T33	1			2,356.-	
NO2 perm. tubes, TEI 145	177-007-0081	1			2,473.-	
Air intake		1			29,056.-	
Air intake manifold, 2 solenoids		1				
Shelter data acq., PC	GW P5-133	1			59,142.-	
Shelter data acq., Monitor		1				
Shelter data acq., Modem		1				
Shelter data acq., Software	EMC St.Man.	1				
Shelter data acq., Software 2	MS Office 95	1				
Shelter data acq., Hardware	EMC	1				16 AI channels
PM10 HiVol	TEI 610	1			37,376.-	
Rack for monitors	EDR20086	1			2,756.-	
Dust fall	NILU SF1	1			2,056.-	
<b>Total Dkk:</b>					<b>264,725.-</b>	

**Inventory List**

Station:   
 Date:

Area:

Consultant:

Test installation at Tebbin:

Comments:

Transfer to Station:

Items	Model	Tot.	Trf.	Serial No.	Sum Dkk	Comments
Seq. air sampler, SO2	NILU FK1-SO2	1			18,842.-	
Seq. air sampler, NO2	NILU FK1-NO2	1			18,842.-	
PM10 HiVol	TEI 610	1			37,376.-	
VOC sampler		1			2,500.-	
Dust fall	NILU SF1	1			2,056.-	
Shelter, small		1			14,000.-	

Total Dkk: 93,616.-

## Inventory List

 Station: 

 Area: 

 Date: 

 Consultant: 

 Test installation at Tebbin: 

 Comments: 

 Transfer to Station: 

Items	Model	Tot.	Trf.	Serial No.	Sum Dkk	Comments
SO2 monitor	TEI 43C	1			48,220.-	
NOx monitor	TEI 42C	1			59,110.-	
PM10 monitor	TEI 650PM10	1			79,070.-	Incl. air intake
CO monitor	TEI 48C	1			41,610.-	
NMHC monitor	TEI 55C	1			103,560.-	
Z/S unit, perm., NOx/NOx+SO2	TEI 145	1			22,180.-	
Z/S unit, gas, CO/HC	TEI 102S-2	1			21,150.-	
Zero air generator, CO/HC	TEI 1150	1			26,690.-	
Zero air gen. compressor, CO/HC		1				
Zero air generator, NOx/SO2	Purafil+Charcoal	1		3		
CO span gas, 500 ppm, wrk. std		1			6,860.-	Incl. regualtor
HC span gas, 20 ppm, wrk. std.		1			7,130.-	Incl. regualtor
N2 carrier NMHC		1			2,900.-	Incl. regualtor
H2 generator NMHC		1				
SO2 perm. tubes, TEI 145	177-008-0082-T33	1			2,356.-	
NO2 perm. tubes, TEI 145	177-007-0081	1			2,473.-	
Air intake		1			29,056.-	
Air intake manifold, 4 solenoids		1				
Met Wind Speed	MO 014-A-1	1				Incl. 12 m cable
Met Wind Direction	MO 024-A	1				Incl. 12 m cable
Met Rel. Hum.	MO 083C-0-35	1				Incl. 12 and 3 m cable?
Met Radiation Shield	5980	1				
Met diff. temp.	MO 062	2				Incl. 12 and 3 m cable
Met Temp. radiation shield	MO 076B-12	2				Incl. 12 and 3 m cable
Met Solar Radiation	MO 097	1				Incl. p/n 1289
Met Translator	MO 131	1				
Met Mast	970664	1			60,610.-	incl. p/n 5284, 193, 191
Shelter data acq., PC	GW P5-133	1			59,142.-	
Shelter data acq., Monitor		1				
Shelter data acq., Modem		1				
Shelter data acq., Software	EMC St.Man.	1				
Shelter data acq., Software 2	MS Office 95	1				
Shelter data acq., Hardware	EMC	1				16 AI channels
Rack for monitors	EDR20086	1			2,756.-	
Shelter, large		1			16,000.-	

Total Dkk: 590,873.-

**Inventory List**Station: Area: 

Date

Consultant: Test installation at Tebbin: Comments: Transfer to Station: 

Items	Model	Tot.	Trf.	Serial No.	Sum Dkk	Comments
Seq. air sampler, SO2	NILU FK1-SO2	1			18,842.-	
Seq. air sampler, NO2	NILU FK1-NO2	1			18,842.-	
Two filter sampler		1			4,000.-	
Shelter, small		1			14,000.-	

Total Dkk: 55,684.-

**Inventory List**

<b>Station:</b>	Gheat El Inab School	<b>Area:</b>	Alexandria / Residential
	<b>Date</b>	<b>Consultant:</b>	Alexandria University
<b>Test installation at Tebbin:</b>		<b>Comments:</b>	
<b>Transfer to Station:</b>			

Items	Model	Tot.	Trf.	Serial No.	Sum Dkk	Comments
Seq. air sampler, SO2	NILU FK1-SO2	1			18,842.-	
Seq. air sampler, NO2	NILU FK1-NO2	1			18,842.-	
PM10 HiVol	TEI 610	1			37,376.-	
Shelter, small		1			14,000.-	

Total Dkk: 89,060.-

**Inventory List**Station: Area: 

Date

Consultant: Test installation at Tebbin: Comments: Transfer to Station: 

Items	Model	Tot.	Trf.	Serial No.	Sum Dkk	Comments
O3 monitor	TEI 49C	1			50,570.-	
Air intake, simple		1			200.-	
Shelter data acq., PC	GW P5-133	1			59,142.-	
Shelter data acq., Monitor		1				
Shelter data acq., Modem		1				
Shelter data acq., Software	EMC St.Man.	1				
Shelter data acq., Software 2	MS Office 95	1				
Shelter data acq., Hardware	EMC	1				16 AI channels

Total Dkk: 109,912.-

**Inventory List**

Station:	Damanhor	Area:	Delta Area / Res./Indust.
	Date	Consultant:	Alexandria University
Test installation at Tebbin:		Comments:	
Transfer to Station:			

Items	Model	Tot.	Trf.	Serial No.	Sum Dkk	Comments
Seq. air sampler, SO2	NILU FK1-SO2	1			18,842.-	
Passive sampler		1			200.-	
Two filter sampler		1			4,000.-	
Dust fall	NILU SF1	1			2,056.-	
Shelter, small		1			14,000.-	

Total Dkk: 39,098.-



## Inventory List

Station:	Kafr El Zayat	Area:	Delta Area / Res./Indust.
	Date	Consultant:	Alexandria University
Test installation at Tebbin:		Comments:	
Transfer to Station:			

Items	Model	Tot.	Trf.	Serial No.	Sum Dkk	Comments
SO2 monitor	TEI 43C	1			48,220.-	
NOx monitor	TEI 42C	1			59,110.-	
PM10 monitor	TEI 650PM10	1			79,070.-	Incl. air intake
Z/S unit, perm., NOx/NOx+SO2	TEI 145	1			22,180.-	
Zero air generator, NOx/SO2	Purafil+Charcoal	1		3		
SO2 perm. tubes, TEI 145	177-008-0082-T33	1			2,356.-	
NO2 perm. tubes, TEI 145	177-007-0081	1			2,473.-	
Air intake		1			29,056.-	
Air intake manifold, 2 solenoids		1				
Shelter data acq., PC	GW P5-133	1			59,142.-	
Shelter data acq., Monitor		1				
Shelter data acq., Modem		1				
Shelter data acq., Software	EMC St.Man.	1				
Shelter data acq., Software 2	MS Office 95	1				
Shelter data acq., Hardware	EMC	1				16 AI channels
Rack for monitors	EDR20086	1			2,756.-	
Dust fall	NILU SF1	1			2,056.-	
Shelter, large		1			16,000.-	

Total Dkk: 322,419.-

**Inventory List**

Station:	Tanta	Area:	Delta Area / Urban
	Date	Consultant:	Alexandria University
Test installation at Tebbin:		Comments:	
Transfer to Station:			

Items	Model	Tot.	Trf.	Serial No.	Sum Dkk	Comments
Seq. air sampler, SO2	NILU FK1-SO2	1			18,842.-	
Two filter sampler		1			4,000.-	

Total Dkk: 22,842.-

## Inventory List

Station: El Mahalla El Kubra

Area: Delta Area / Res./Indust.

Date

Consultant: Alexandria University

Test installation at Tebbin:

Comments:

Transfer to Station:

Items	Model	Tot.	Trf.	Serial No.	Sum Dkk	Comments
SO2 monitor	TEI 43C	1			48,220.-	
PM10 monitor	TEI 650PM10	1			79,070.-	Incl. air intake
Span unit, perm. , SO2	TEI 43C-400	1			10,420.-	Installed inside SO2 monitor
Zero air generator, SO2	Charcoal	1				
SO2 perm. tubes, TEI 43C-400	177-005-0082	1			2,356.-	
Air intake, simple		1			200.-	
Shelter data acq., PC	GW P5-133	1			59,142.-	
Shelter data acq., Monitor		1				
Shelter data acq., Modem		1				
Shelter data acq., Software	EMC St.Man.	1				
Shelter data acq., Software 2	MS Office 95	1				
Shelter data acq., Hardware	EMC	1				16 AI channels
Dust fall	NILU SF1	1			2,056.-	
Shelter, small		1			14,000.-	

Total Dkk: 215,464.-

**Inventory List**Station: Area: 

Date

Consultant: Test installation at Tebbin: Comments: Transfer to Station: 

Items	Model	Tot.	Trf.	Serial No.	Sum Dkk	Comments
SO2 monitor	TEI 43C	1			48,220.-	
NOx monitor	TEI 42C	1			59,110.-	
Z/S unit, perm., NOx/NOx+SO2	TEI 145	1			22,180.-	
Zero air generator, NOx/SO2	Purafil+Charcoal	1		3		
SO2 perm. tubes, TEI 145	177-008-0082-T33	1			2,356.-	
NO2 perm. tubes, TEI 145	177-007-0081	1			2,473.-	
Air intake		1			29,056.-	
Air intake manifold, 2 solenoids		1				
Shelter data acq., PC	GW P5-133	1			59,142.-	
Shelter data acq., Monitor		1				
Shelter data acq., Modem		1				
Shelter data acq., Software	EMC St.Man.	1				
Shelter data acq., Software 2	MS Office 95	1				
Shelter data acq., Hardware	EMC	1				16 AI channels
VOC sampler		1			2,500.-	
Rack for monitors	EDR20086	1			2,756.-	
Dust fall	NILU SF1	1			2,056.-	
Shelter, small		1			14,000.-	

Total Dkk: 243,849.-

**Note**

Subject

**Task Manager Counterpart tasks from  
Dec. 1997**

Date

1 December 1997

To

Mohamed Nassar

Copy

Jan Hassing, Leif Marsteen

From

B Sivertsen

Environmental Information  
and Monitoring Programme

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### Tasks for Phase 3 of the EIMP Air Quality Monitoring Component

Several tasks will have to be undertaken by the Task Manager counterpart, M Nassar, as a preparation of Phase 3 of the project.

1. Measurement sites will have to be prepared including:
  - cleaning
  - drilling of holes,
  - installation of shelves and benches, etc....
2. Gemhorya station has to be installed, intake structure designed and produced,
3. Shelters have to be ordered and purchased for IGSR station in Alexandria
4. Further orders of shelters from Arab Contractors has to placed
5. Air Condition Systems have to be ordered and installed
6. Prepare agreements with site owners if necessary
7. Agreement with the Meteorological Authorities have to be prepared
8. Shelves and benches for the Monitoring Laboratory has to be ordered (ASAP)
9. Investigate and order communication lines for the monitoring stations
10. Prepare input for operational costs for Phase 2 and Phase 3
11. Prepare payment to the Monitoring Institutions for Phase 2
12. Participate in Introduction Seminar on monitors and monitoring
13. Evaluate and discuss the data retrieved at the Computer Centre at the Monitoring Laboratory
14. Follow up High Volume sampling at Tabbin undertaken by CEHM personnel
15. Check procedures for gravimetric analyses at Chemical Lab. CEHM
16. Finalise site visits to Assyut and NagaHammadi.

Due to delay in the operation of the System Manager at the Monitoring Laboratory, it has not been possible to start training in the quality control and evaluation of air quality data from the first monitoring stations. For this reason the Task Manager may visit Cairo already in February 1998.

Further developments of operational procedures and analytical procedures will be developed in Phase 3.