

HW Budget

1. NETWORK OPERATION CENTER				
	Comment	UNIT	PRICE	TOTAL
TOWER				
LICENSE (initial fee + 1 year)		1	2300	2300
TOWER		1	5000	5000
SECTOR 1 + 2 (POLLING)				
OUTDOOR RUGGED ACCESS POINT MP.11		2	2000	4000
PANEL ANTENNA VP470/24 14 dBi		2	300	600
MOUNT PANEL ANTENNA VP470/24		2	100	200
SURGE ARRESTOR		2	100	200
POWER DIVIDER 2 WAYS		1	100	100
RF CABLE	3M	2	30	60
OMNI-1 IEEE 802.11 OUTDOOR				
OUTDOOR RUGGED ACCESS POINT (COMPLEX)		1	350	350
OMNI DIRECTIONAL ANTENNA		1	110	110
MOUNT OMNI ANTENNA		1	25	25
SURGE ARRESTOR		1	100	100
RF CABLE	3M	1	30	30
NOC				
BANDWIDTH MANAGER		1	1000	1000
CAT5E CABLE	100M	1	75	75
SERVICES (mail, proxy/cache, web etc.)		1	1000	1000
SWITCH 8 PORTS		1	100	100
UPDATE ROUTER		1	300	300
SUBTOTAL				15550
2. SECT1 CLIENTS (5 polling)				
RSU KIT [JSC, SdS, OR, CoN, BSS]	VP165	5	450	2250
MOUNT VP165 ANTENNA/EXTRAS		5	25	125
GALVANIZED MAST - POLE	6M	5	25	125
INDOOR CABINETS		5	100	500
UPS APC APC Back-UPS 650VA 400W		5	200	1000
SWITCH PSS2216		5	50	250

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CAT5E CABLE		5	75	375
SUBTOTAL				4625

3. SECT2 CLIENTS (5 polling)

RSU KIT [NWM, HSS, CoE]	VP165	3	450	1350
RSU KIT [MH, CS]	SP45/24	2	550	1100
MOUNT ANTENNA/EXTRAS		5	25	125
GALVANIZED MAST - POLE	6M	5	25	125
INDOOR CABINETS		5	100	500
UPS APC APC Back-UPS 650VA 400W		5	200	1000
SWITCH PSS2216		5	50	250
CAT5E CABLE		5	75	375
SUBTOTAL				4825

4. OMNI-1 (1 non-polling client)

PANEL ANTENNA VP165		1	50	50
RF CABLE	8M	1	40	40
PIGTAIL		1	30	30
INDOOR ACCESS POINT [GGSS]		1	100	100
MOUNT ANTENNA/EXTRAS		1	25	25
GALVANIZED MAST - POLE	6M	1	25	25
INDOOR CABINETS		1	100	100
UPS APC APC Back-UPS 650VA 400W		1	200	200
SWITCH PSS2216		1	50	50
CAT5E CABLE	100M	1	75	75
SUBTOTAL				695

5. PtP LINK CS - KP (non-polling 10 km)

PARABOLIC ANTENNA SP60/24		2	200	400
OUTDOOR RUGGED ACCESS POINT (COMPLEX)	3M	2	350	700
LIGHTING PROTECTION (IN TOWER)		2	0	0
SURGE ARRESTOR		2	100	200

		HW Budget		
RF CABLE		2	30	60
MOUNT ANTENNA/EXTRAS	6M	2	25	50
GALVANIZED MAST - POLE		2	25	50
UPS APC APC Back-UPS 650VA 400W		2	200	400
SUBTOTAL				1860

6. OMNI-2 (1 non-polling Client)

PANEL ANTENNA VP165		1	50	50
OMNI DIRECTIONAL ANTENNA		1	110	110
RF CABLE	8M	2	40	80
PIGTAIL		1	30	30
OUTDOOR RUGGED ACCESS POINT (COMPLEX)		1	350	350
MOUNT ANTENNA/EXTRAS		2	25	50
GALVANIZED MAST - POLE	6M	2	25	50
INDOOR ACCESS POINT		1	100	100
INDOOR CABINETS		2	100	200
UPS APC APC Back-UPS 650VA 400W		2	200	400
CAT5E CABLE	100M	2	75	150
SWITCH PSS2216		2	50	100
SUBTOTAL				1670

7. VoIP COMPONENTS

VoIP PBX		1	1000	1000
VoIP PHONE		13	120	1560
SUBTOTAL				2560

8. TRANSPORT

STOCKHOLM- ABUJA (max 338 Kg 2 m3)		1	3800	3800
INSURANCE, 4,5% of total value		1	1200	1200
IMPORT TAX				0
SUBTOTAL				5000

HW Budget

BUDGET EQUIPMENT AND TRANSPORT		UNITS	PRICE	TOTAL
LICENSE (initial fee + 1 year)	*	1	2300	2300
TOWER	*	1	5000	5000
CAT5E CABLE, 100m	*	14	75	1050
GALVANIZED MAST – POLE, 6m	*	15	25	375
INDOOR CABINETS	*	13	100	1300
UPS APC APC Back-UPS 650VA 400W	*	15	200	3000
MOUNT ANTENNA/EXTRAS		16	25	400
MOUNT PANEL ANTENNA VP470/24		2	100	200
BANDWIDTH MANAGER		1	1000	1000
INDOOR ACCESS POINT		2	100	200
OMNI DIRECTIONAL ANTENNA		2	110	220
OUTDOOR RUGGED ACCESS POINT (COMPLEX)		4	350	1400
OUTDOOR RUGGED ACCESS POINT MP.11 (TSUNAM		2	2000	4000
PANEL ANTENNA VP165		2	50	100
PANEL ANTENNA VP470/24 14 dBi		2	300	600
PARABOLIC ANTENNA SP60/24		2	200	400
PIGTAIL		2	30	60
POWER DIVIDER 2 WAYS		1	100	100
RF CABLE SMA-SMA, 8m		3	40	120
RF CABLE -C2FCP, 3m		5	30	150
RSU KIT (indoor AP, antenna, 8m cable) SP45/24		2	550	1100
RSU KIT (indoor AP, antenna, 8m cable), VP165		8	450	3600
SERVICES (mail, proxy/cache, web etc.)		1	1000	1000
SURGE ARRESTOR		5	100	500
SWITCH 8 PORTS		1	100	100
SWITCH PSS2216		13	50	650
UPDATE ROUTER		1	300	300
VoIP PHONE		13	120	1560
VoIP PBX		1	1000	1000
TRANSPORT		1	5000	5000

HW Budget

SUBTOTAL	36,785
LOCAL PROCUREMENT	13,025
EXTERNAL PROCUREMENT	23,760

** To be procured locally*

BUDGET SUMMARY

ITEM	TOTAL (USD)	%
HARDWARE AND TRANSPORT		
1. NOC	15,550	42%
2. SECT1	4,625	13%
3. SECT2	4,825	13%
4. OMNI	695	2%
5. PtP	1,860	5%
6. KP-ECWA	1,670	5%
7. VoIP	2,560	7%
8. Transport	5,000	14%
TOTAL	36,785	100%