



NETWORK SOURCE LIMITED

Making Networking Simple

To: The Director
OAU/IBAR
P.O. BOX 30786
Nairobi

Dear Sir,

Subject: Project: **Farming in Tsetse Controlled Area (Kenya) Project
7 ACP KE 087/7 ACP RPR 578
Letter of Invitation to tender No. FITCA-K-2
Supply of GIS Equipment**

We, the undersigned **NETWORK SOURCE LIMITED**

Hereby submit our tender in reply to the above mentioned invitation to tender.

We have taken notice of the contents of the tender dossier and undertake, in the event of our tender being accepted, to perform the supply for this lot in conformity with the specifications and conditions set out in the e tender dossier, for the amount of Kenya Shillings **13,973,277 (Thirteen Million, Eight Hundred and seventy nine Thousand, Two Hundred and Seventy Seven)** calculated on the basis of the unit prices set out in the unit price schedule and the quantities given in the bill of quantities, which are attached in this tender.

In the event of our tender being accepted, we undertake to perform the contract within a period of **5 (five) weeks**

NETWORK SOURCE LTD
MARCUS GARVEY ROAD
OFF ARWINGS KODHEK ROAD
P. O. Box 48998
NAIROBI—KENYA
TEL: 712977 FAX: 721232



NETWORK SOURCE LIMITED

Making Networking Simple

I (We) undertake to adhere to the price specified in my (our) tender for 30 days following the closing date for the submission of tenders.

We request that the sums owed by the Contracting Authority be paid to us as follows:

All of the amount specified in our tender in local currency (Kenya Shillings), by transfer to Account No. **0152468008** opened in the name of

NETWORK SOURCE LIMITED at COMMERCIAL BANK OF AFRICA

NETWORK SOURCE LTD.
MARCUS GARVEY ROAD
OFF ARWINGS KODHEK ROAD
P. O. Box 48993
NAIROBI—KENYA
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CE SCHEDULE

WORK SOURCE LIMITED
 BOX 48998
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NETWORK SOURCE LTD.
 MARCUS GARVEY ROAD
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 P. O. Box 48998
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 712977 FAX: 721232

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all Computer

<u>ITEM DESCRIPTION</u>	<u>QTY</u>	<u>NAME OF MANUFACTURER</u>	<u>COUNTRY OF ORIGIN</u>	<u>UNIT COST</u>	<u>TOTAL COST</u>	<u>DELIVERY TIME WEEKS</u>
<u>OPTIFLEX GX 110 M</u> Processor : 512 KB Pipelined burst L2 Cache Memory : 256MB Dynamic Ram Hard Disk : 20GB EIDE System : Midi Tower with - integrated 3.5" 1.44 Mb floppy drive - 3 internal 5.25" bay - 2 internal 3.5" drive bay - 5 expansion slots (PCI/ISA) Graphics : integrated AGP with 4MB SGRAM Drives : - 48x CD-ROM with full multi media - Dell Read-Write CD-ROM(internal) -ATI Multi – Media Channel port (AMC)	1	DELL	IRELAND	330,780.00	330,780.00	5 WEEKS

SALES OFFICES KODHEK ROAD
 P. O. Box 4898
 NAIROBI-KENYA
 TEL: 712977 FAX: 721232

<ul style="list-style-type: none"> - One parallel/Two serial/ Two USB - Enhanced manageability including DMI - Advanced Power Management (ACPI) - Plug & play Flash Bios -Configurable security option -Read-Write CD-ROM (external) <p>ard : Dell 105-keys Natural Keyboard Devices : PS/2 Microsoft Mouse rk Card : Inbuilt network card or : 21" SVGA Colour . ire : Microsoft Windows NT installed nty 3 Years(1 year on Monitor, Mouse and ard)</p>						
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Additional Devices

<u>DESCRIPTION</u>	<u>QTY</u>	<u>NAME OF MANUFACTURER</u>	<u>COUNTRY OF ORIGIN</u>	<u>UNIT COST</u>	<u>TOTAL COST</u>	<u>DELIVERY TIME WEEKS</u>
rive: External 2GB Jazz Drive + 5 ges	1	IOMEGA	U.S.A	178,416.00	178,416.00	5 WEEKS
ive: Internal + 5 cartridges	1	IOMEGA	U.S.A	15,081.00	15,081.00	5 WEEKS
Write CD-ROM: External + 5 CDs	1	HEWLETT PACKARD	U.S.A	60,332.00	60,332.00	5 WEEKS
inner: GT 1220	1	HEWLETT PACKARD	U.S.A	66,712.00	66,712.00	5 WEEKS
s:						5 WEEKS
P LaserJet 4050 (A4 Paper)	1	HEWLETT PACKARD	U.S.A	122,460.00	122,460.50	
pson Stylus 1520 Colour Printer (A3)	1	EPSON	U.S.A	83,460.00	83,460.50	
tter : HP Design jet 450CA	1	HEWLETT PACKARD	U.S.A	382,200.00	382,200.00	5 WEEKS
: APC Smart (1 KVA)	1	APC	U.S.A	59,280.00	59,280.00	5 WEEKS

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Monitor: Curtis Screen 21"	1	CURTIS	U.S.A	3,900.00	3,900.00	5 WEEKS
Drive: External SCSI 3 HP 12/24	1	HEWLETT PACKARD	U.S.A	108,108.00	108,108.00	5 WEEKS
Modem: 56K External Fax Modem (U.S cs)	1	U.S ROBOTICS	U.S.A	12,480.00	12,480.00	5 WEEKS
Software: Ms Office 2000 -- Premium	1	MICROSOFT	U.S.A	70,356.00	70,356.00	5 WEEKS
-Step by step manual	1			3,510.00	3,510.00	
Microsoft Word 2000 Full Pack	1	COREL	CANADA	34,632.00	34,632.00	5 WEEKS
Internet Utilities + Anti-virus 2000	1	NORTON	U.S.A	6,240.00	6,240.00	5 WEEKS
SI32 Single User License	1	IDRISI	U.S.A	93,600.00	93,600.00	5 WEEKS
Software Base for Windows	1	SPSS	U.S.A	95,628.00	95,628.00	5 WEEKS
Software: Basic 6.0 Programming	1	MICROSOFT	U.S.A	9,725.00	9,725.00	5 WEEKS
Software: Base for ISAC Diagrams	1		U.S.A	93,600.00	93,600.00	5 WEEKS
Draw suite V9	1	COREL	CANADA	63,950.00	63,950.00	5 WEEKS
Publishing suite:(Including: Illustrator; Photoshop; Acrobat; Dimension; Dimensions; Acrobat)	1	ADOBE	U.S.A	116,883.00	116,883.00	5 WEEKS
MINI GPS 12CX Cap screen Software to download to computer Battery connection to car cigarette able to plug to car antennae	5	GARMIN	U.S.A	31,200.00	156,000.00	5 WEEKS
Computer: Emp Drawing Board III (36"x48") 34480-H2	1	CALCOMP	U.S.A	580,008.00	580,008.00	5 WEEKS
WITH d 16 button illuminated high accuracy cursor for High Accuracy Backlit	1			26,325.00	26,325.00	
ifying lens for corded 16 button high accuracy cursor	1			3,159.00	3,159.00	
Lift/Power Tilt Base (220V/50Mhz)	1			105,300.00	105,300.00	

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 P. O. Box 48998
 NAIROBI--KENYA
 TEL: 712977 FAX: 721232

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Adapter: Adaptec AHA 2940U	1	ADAPTEC	U.S.A	27,924.00	32,112.60	5 WEEKS
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Additional Dell Computer

DESCRIPTION	QTY	NAME OF MANUFACTURER	COUNTRY OF ORIGIN	UNIT COST	TOTAL PRICE	DELIVERY TIME WEEKS
OPTIFLEX GX 110 M Processor: Pentium III 600MHz Cache: 512 KB Pipelined burst L2 Cache Memory: 256MB Dynamic Ram Hard Disk: 18GB EIDE Configuration: Mini Tower with - Integrated 3.5" 1.44 Mb floppy drive - 5 expansion slots (PCI/ISA) - integrated AGP with 4MB SGRAM Features: - 48x CD-ROM with full multi media+ 5 - ATI Multi-Media Channel port (AMC) - One parallel/Two serial/ Two USB ports - Enhanced manageability including DMI 2.0 - Advanced Power Management (ACPI) - Plug & play Flash Bios - Configurable security option Keyboard: Dell 105-keys Natural Keyboard Input Devices: PS/2 Microsoft Mouse Network Card: Inbuilt network card Modem: Internal 56k Modem Monitor: 21" SVGA Colour . Operating System: Microsoft Windows 98 installed Warranty: 3 Years (1 year on Monitor, Mouse and Keyboard)	1	DELL	IRELAND	182,520.00	182,520.00	5 WEEKS
Anti-Glare Screen	1	CURTIS	U.S.A	3,900.00	3,900.00	5 WEEKS
Smart UPS 750VA	1	APC	U.S.A	27,144.00	27,144.00	5 WEEKS

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Handwritten initials/signature

ive: External 2GB Jazz Drive + 5 cartridges	1	IOMEGA	U.S.A	178,416.00	178,416.00	5 WEEKS
ive: Internal + 5 cartridges	1	IOMEGA	U.S.A	15,081.00	15,081.00	5 WEEKS
Adapter: Adaptec AHA 2940U	1	ADAPTEC	U.S.A	27,924.00	32,112.60	5 WEEKS

Laptop Computer

DESCRIPTION	QTY	NAME OF MANUFACTURER	COUNTRY OF ORIGIN	UNIT COST	TOTAL COST	DELIVERY TIME WEEKS
Processor: Pentium III 500MHz Memory: 128MB or higher Hard Drive: 256MB Dynamic RAM Floppy Disk: 6GB Cache: 56K Integrated Display: 12.1 TFT Multimedia (+ 5CDs) Warranty	1	TOSHIBA	U.S.A	273,000.00	273,000.00	5 WEEKS
Software: Ms Office 2000 – Premium - Step by step manual	1 1	MICROSOFT	U.S.A	70,356.00 3,510.00	80,886.00 4,036.50	5 WEEKS
WP 2000 Full Pack	1	COREL	CANADA	34,632.00	39,826.80	5 WEEKS
Internet Utilities + Anti-virus 2000	1	NORTON	U.S.A	6,240.00	7,176.00	5 WEEKS
MS32 Single User License	1	IDRISI	U.S.A	93,600.00	107,640.00	5 WEEKS
Software Base for Windows	1	SPSS		95,628.00	109,972.20	5 WEEKS
Basic 6.0 Programming	1	MICROSOFT	U.S.A	9,725.00	9,725.00	5 WEEKS
Software for ISAC Diagrams	1	ISAC	U.S.A	93,600.00	93,600.00	5 WEEKS
Drawing suite V9 or higher	1	COREL	CANADA	63,950.00	63,950.00	5 WEEKS
Publishing suite: including: PageMaker; Photoshop; Illustrator; Illustration; Dimensions; Acrobat)	1 1	ADOBE	U.S.A	116,883.00	116,883.00	5 WEEKS

COMMERCIAL TERMS:

- 50% down payment with a non-revocable LPO
- 50% on delivery
- Delivery time 5 weeks
- Warranty period 1 year

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for Availability

Satellite Pro 4280ZDVD

Satellite Pro



pentium III
e-Business
everywhere

- Performance: Intel® Pentium® III processor, 500MHz, 64MB SDRAM, expandable to 320MB.
- Display: 15" TFT active-matrix color display.
- Multimedia: 6X DVD-ROM ⁴, 6.0 billion byte hard disk drive and floppy diskette drive.
- Productivity Tools: Toshiba Active Menu.
- Great Software Offer: Your choice of two software titles. (Coupon in box.)
- Warranty Protection: 1 year parts and labor, 1 year battery. SelectServ warranty upgrades available.
- FreedomWare Solutions: Special discounts that save you time and money!

System Guard

August 26, 2000

- [How To Buy Toshiba Product](#)

→ [Detailed Specs](#)

Toshiba recommends Windows®2000 Professional for business

4280ZDVD Choices

500MHz, 15"TFT, 6.0BB, 64MB, DVD, Win 2000	ESUP \$2,699.00
500MHz, 15"TFT, 6.0BB, 64MB, DVD, Win98SE	\$2,599.00

ESUP

Availability

Call 1-800-316-0920

Call 1-800-316-0920

Part

PS428U-0Q1570

PS428U-0Q1538

Recommended Accessories & Services

DELL.COM

United States

PRODUCT TOUR

Back to Home & Home Office

DIMENSION™ L

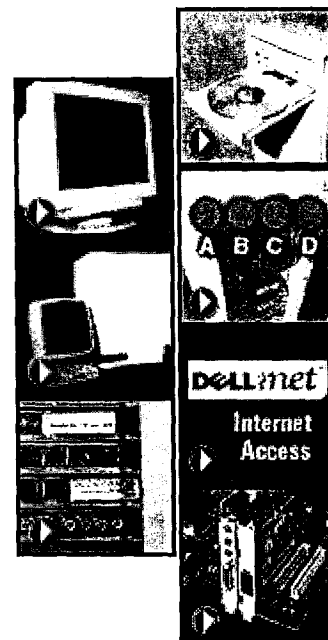
Dell's affordable desktop solution



- Intel® Pentium® III processors up to 733MHz or Celeron™ processors up to 566MHz
- Dellnet™ Internet Access³ (optional) for Web surfing, emailing, and creating your own Web pages
- Dell's award-winning service and support with 3-year product limited warranty¹

From \$899
As low as \$25 a month!
(48-month Purchase Plan)²

- Recommended Systems
- Customize & Price
- Specifications



¹ For a complete copy of our Guarantees or Limited Warranties, please write Dell USA L.P., Attn: Warranties, One Dell Way, Round Rock, TX 78682.

² MONTHLY PAYMENT BASED ON 13.99% APR FOR QUALIFIED CUSTOMERS. Offer varies by creditworthiness of customer as determined by Lender. Taxes and shipping charges extra and vary. From Dell Financial Services L.P. or American Investment Bank, N.A. to U.S. state residents (including D.C.) with approved credit. Availability may be limited in some states.

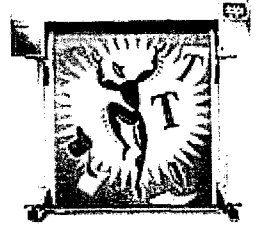
³ Includes 150 hours access/month; additional \$1.50 charge for each hour over 150. Remote subscribers subject to surcharge of \$4.95 per hour of service. Additional \$1.00/hour surcharge for Dellnet service in HI, and AK. Excludes applicable taxes and telephone access fees/charges. Telephone access charges may apply. Contact your local telephone company for defaults.


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HP DesignJet 400 Series

Overview & Features

Last updated: June 13, 2000



Product Overview

Affordable large-format printing for individuals and small businesses

- **Effortless Quality Printing**

The HP DesignJet 400 Series printers deliver true 300-dpi color and addressable 600-dpi black resolution. It can print an A1/D full color image in "Best" mode on HP Coated Paper in less than 18 minutes, and a color line drawing in "Normal" mode in 4 minutes.

For the HP DesignJet 488CA:

- **Professional Color Management**

The combination of the HP DesignJet 488CA printer's software RIP, with Apple® ColorSync® and Adobe® PostScript® 3™ means reliable and consistent offset-quality color output every time.

Features

- Ideal for line drawings, presentations, signs, and comps, providing maximum flexibility for all kinds of jobs
- Superior line quality and near-photo-quality images with 600-dpi-addressable black and 300-dpi color resolution
- Fast enough to give you quick turnaround and to accommodate deadline workloads; prints 2-by-3-foot (61 cm x 91 cm) check plots in under 2 minutes, final-quality line drawings in about 4 minutes, and images in about 18 minutes
- Flexible enough to fit into any office with tabletop design and optional legs kit
- Convenient and easy to use with features such as optional roll feed with integrated automatic cutter, easy single-sheet loading, and simple front panel
- Accepts a wide variety of media to handle check plots, final output, presentations, overlays, and archiving

presentations, overlays, and archiving

- Custom HP-developed AutoCAD™ and Microsoft® Windows® drivers take full advantage of printer features
- Supports Adobe® PostScript® 3™ via software RIP for Apple Macintosh and Windows 95/98/NT 4.0 (PostScript Level 2™ via software RIP for Windows NT 4.0) [HP DesignJet 488CA only]
- HP ZoomSmart scaling technology for easy large-format printing from any Windows application
- Genuine HP CAD languages - the industry standards - for compatibility with virtually all major applications
- Standard interfaces: IEEE-1284 compatible, RS-232-C. Optional HP JetDirect EX Plus3 external network interface HP DesignJet 488CA only: HP JetDirect EX Plus external network interface (Ethernet)
- Traditional HP quality and reliability for consistent, dependable performance - backed by a one-year warranty with free onsite service; optional SupportPacks extend warranty for up to five years, with a choice of response options

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GARMIN Site

**Outdoor**

GPS 12CX

[Specifications](#)[Accessories](#)[Testimonials](#)[User's Manual](#)[Updates & Downloads](#)**GPS 12CX**

Based on the popular GPS 12XL, the GPS 12CX offers more than just a pretty picture. The LCD screen on GARMIN's new GPS 12CX takes handheld navigation to another level. Characters, icons, numbers, and letters are crisply rendered in any of three bright colors: red, green, and blue. These colors don't wash out in bright sunlight and are perfect for sorting out map pages cluttered with waypoints and tangled track logs.

The 12CX's powerful 12 parallel channel receiver gives you continuous position updates whether you're cruising the placid surface of a lake or bushwhacking in the outback. It even boasts vastly improved battery life—up to 50 percent over the respectable 24 hours of its predecessor—in case your adventures take you farther afield than you planned.

GARMIN handhelds are renowned for their ease of use, and the GPS 12CX is no different. The new keypad layout includes separate "Zoom In" and "Zoom Out" keys for simple manipulation of the moving map page, and the enhanced graphic interface organizes 1000 waypoints into an easily accessible tab-file system. This unit also comes with a full complement of advanced software features such as a point database of cities, TracBack™ navigation, and graphic steering guidance.

GARMIN's new GPS 12CX—handheld navigation of a different color.

Unit includes:

- GPS 12CX receiver with built-in antenna
- 4 AA alkaline batteries
- Wrist strap
- Carrying case
- Owner's manual
- Quick reference guide

Product Comparison

TOP

DrawingBoard III

LARGE-FORMAT DIGITIZERS

DrawingBoard III large-format digitizers offer exceptional performance for CAD, GIS, engineering, and



textile and apparel applications. Featuring the industry's highest resolution—10,160 lines per inch—a range of sizes and your choice of corded or cordless transducers, the DrawingBoard III series is the design professional's choice.

DrawingBoard III tablets utilize CalComp Advanced Function Technology to set the world standard for performance. Multiple accuracy versions are offered to match your requirements. The tablet design offers a flush top surface that ensures the least interference with drawings and

pointing devices. An integrated mounting channel allows accessories such as a pencil tray to be easily and quickly mounted.

Internally, the DrawingBoard III utilizes advanced silver ink technology and a state-of-the-art positioning grid to ensure reliability, performance and quality.

DrawingBoard III tablets are also available in backlit models for mapping, GIS and textile applications that may require a lighted surface for detailed input. Variable light intensity is also offered for greater control of light output at the surface of the tablet.



**USB
Adapter
Now
Available!**



FEATURES

Industry's highest resolution and accuracy

- Resolution up to 10,160 lines per inch
- Accuracy up to ± 0.002 inches

Choice of pointing devices

- Cordless or corded 16-button cursor
- Cordless or corded 4-button cursor
- Cordless or corded click tip pen with two side buttons
- Cordless pressure pen with two side buttons
- Illuminated cursor with high-accuracy tablets

Convenience features

- Opaque or optional backlit surface
- Clearly-defined active surface with perimeter menu

Easy installation

- Plug-and-play design
- Easy-to-install software

Software drivers

- Wide range of compatibility
- Programmable macros

DrawingBoard[®] III

LARGE-FORMAT DIGITIZERS

System Support	PC
Software Drivers	Microsoft mouse emulation Microsoft Windows 3.x (WinTab compliant) Microsoft Windows 95 (WinTab compliant) Microsoft Windows 98 (WinTab compliant) Microsoft NT (WinTab compliant) Autodesk Device Interface (ADI)
Communication Interface	RS-232 serial standard, Universal Serial Bus (USB) adapter optional
Resolution	Up to 10,160 lines per inch/400 lines per mm
Tablet Flatness	≤0.5 in/12.7 mm
Tablet Size	Up to 19,200
Tablet Speed	Up to 200 coordinate pairs per second
Technology	Electromagnetic
Tablet Formats	34 industry-standard formats
Operating Modes	Prompt, point, run, line, track, increment, mouse, delta, and grid update
Power Supply	100/110 volt or 220/240 volt wall mount power supply plugged into serial cable
Power Requirements	12 to 17 volts, DC, 200 mA current draw
Compliance	UL 1950, EN60950, FCC-B, DOC-B, VCCI Class II, EN50082-1, EN55022
Operating Temperature	50 to 104°F/10 to 40°C
Storage Temperature	-40 to +158°F/-40 to +70°C
Humidity Range	0 to 95%, noncondensing
Operating Altitude	Up to 15,000 ft/4,600 m
Storage Altitude	Up to 50,000 ft/15,200 m
Warranty	One-year warranty; extended warranty available USA only*

Options and Physical Dimensions

Active Area	Accuracy	Width	Depth	Height	Weight
24 x 36 in/610 x 914 mm	±0.010 in/0.25 mm	47 in/1194 mm	38.3 in/973 mm	0.8 in/20.3 mm	31 lb/14.1 kg
24 x 36 in/610 x 914 mm	±0.005 in/0.13 mm	47 in/1194 mm	38.3 in/973 mm	0.8 in/20.3 mm	31 lb/14.1 kg
24 x 36 in/610 x 914 mm	±0.002 in/0.05 mm	47 in/1194 mm	38.3 in/973 mm	0.8 in/20.3 mm	31 lb/14.1 kg
* 24 x 36 in/610 x 914 mm	±0.002 in/0.05 mm	48.4 in/1224 mm	36.4 in/924 mm	6 in/153 mm	95 lb/43.2 kg
† 24 x 36 in/610 x 914 mm	±0.002 in/0.05 mm	48.4 in/1224 mm	36.4 in/924 mm	6 in/153 mm	95 lb/43.2 kg
36 x 48 in/914 x 1219 mm	±0.010 in/0.25 mm	59 in/1499 mm	50.3 in/1278 mm	0.8 in/20.3 mm	52 lb/23.6 kg
36 x 48 in/914 x 1219 mm	±0.005 in/0.13 mm	59 in/1499 mm	50.3 in/1278 mm	0.8 in/20.3 mm	52 lb/23.6 kg
36 x 48 in/914 x 1219 mm	±0.002 in/0.05 mm	59 in/1499 mm	50.3 in/1278 mm	0.8 in/20.3 mm	52 lb/23.6 kg
* 36 x 48 in/914 x 1219 mm	±0.002 in/0.05 mm	59 in/1499 mm	46.6 in/1184 mm	6 in/153 mm	155 lb/70.5 kg
† 36 x 48 in/914 x 1219 mm	±0.002 in/0.05 mm	59 in/1499 mm	46.6 in/1184 mm	6 in/153 mm	155 lb/70.5 kg
44 x 60 in/1118 x 1524 mm	±0.010 in/0.25 mm	71 in/1803 mm	58.3 in/1481 mm	0.8 in/20.3 mm	69 lb/31.3 kg
44 x 60 in/1118 x 1524 mm	±0.005 in/0.13 mm	71 in/1803 mm	58.3 in/1481 mm	0.8 in/20.3 mm	69 lb/31.3 kg
44 x 60 in/1118 x 1524 mm	±0.002 in/0.05 mm	71 in/1803 mm	58.3 in/1481 mm	0.8 in/20.3 mm	69 lb/31.3 kg
* 44 x 60 in/1118 x 1524 mm	±0.002 in/0.05 mm	71 in/1803 mm	54.4 in/1381 mm	6 in/153 mm	233 lb/106 kg
† 44 x 60 in/1118 x 1524 mm	±0.002 in/0.05 mm	71 in/1803 mm	54.4 in/1381 mm	6 in/153 mm	233 lb/106 kg

Tablet Options †Variable Intensity Backlit Tablet Options (110 volt only)

Mounted by:

Included With Your Purchase

- DrawingBoard III tablet
- Corded or cordless transducer
- CD ROM with TabletWorks software drivers and user's manual
- Power supply
- All necessary cables

Transducer Options

- 16-button cursor, corded or cordless
- 4-button cursor, corded or cordless
- Click tip pen, corded or cordless
- Pressure tip pen, cordless
- 16-button illuminated cursor for high-accuracy tablets, corded
- Lite Touch pen

Other Options

- USB adapter
- Manual lift/Manual tilt pedestal
- Power lift/Manual tilt pedestal
- Power lift/Power tilt pedestal (required for all backlit and 44 x 60 in tablets)
- Backlit tablet
- Variable intensity backlit tablet
- Magnifier lens for high-accuracy cursor

GTCO CalComp
PERIPHERALS

GTCO CalComp Inc.

14555 N. 82nd Street ■ Scottsdale, AZ 85261

Voice 480.443.2480 ■ Fax 480.948.5508

Toll Free USA, Canada 800.458.5888

Europe +43 (1) 7007 36450

E-mail calcomp.sales@gtcocalcomp.com

www.gtcocalcomp.com

Continuing research and development may result in specification or appearance changes at any time.

DrawingBoard is a registered trademark and TabletWorks is a trademark of GTCO CalComp Inc. All other product names are trademarks or registered trademarks of their respective owners.



NETWORK SOURCE LIMITED

Making Networking Simple

**Network Source Limited
Chaka Road
Hurlingham
P.O. Box 48998
Nairobi**

TEL: 0254-02-712977/719427

FAX: 0254-02-721232

COMPANY PROFILE

Mission Statement

Network Source Ltd. (NSL) focuses on understanding business needs and timelessly develops the best of breed turnkey solutions for organizations.

The Organization

Network Source Limited (NSL) is a wholly Kenyan owned company registered in March 1995 and has been in operation for the past five years. NSL is a solution provider devoted to design, installation, configuration and support of Local and Wide Area Networks.

NSL aims to be the preferred Solution Provider in the areas of computer networking and System Integration within the broader East Africa Region.

Focus

The focus of network Source is to provide Computer, Data and Voice communications solutions to organizations within the broader East African region and also to provide related technical services. We intend to achieve this by becoming a leading provider of networking solutions coupled with use of the leading networking products. Network Source has adopted a multi-vendor strategy with a wide range of products to complement established businesses and provide complex systems solutions to the Information Technology market place.

In the recent years the market has gone through a period of rapid development with an increase in the level of sophistication of systems hardware and software required by clients. Another feature to emerge strongly is the requirement across the market place for the integration of computer and communication systems. Network Source has therefore formed alliances with international businesses in the communications field in order to supplement its computer products and to address the newly emerging needs of its potential customer base.

Business Partnerships

To achieve our objectives we have formed partnerships with major players in the IT industry and have trained personnel to meet the demands required by our partners. We have attained the following partnership:-

- **Novell** Business Partners.
- **Microsoft** Solution Providers.
- **Siemon** Cabling Distributor Listed Installers.
- **CISCO** Systems Resellers.
- **Compaq** Computer Resellers.
- **IBM** Computers Resellers
- **DELL** Computers Resellers

Networking Technical Support and Consultancy

NSL provides a high level personalized consultancy and technical support its wide variety of clients. We have Certified Novell Engineers (CNEs), Certified Novell Administrators (CNAs), Microsoft Certified Systems Engineers (MCSEs) and Microsoft Certified Professionals (MCPs) on our team. Our CNEs and MCSEs have immediate access to Novell and Microsoft's Support centers and Bulletin Boards in Europe and US. Our CNEs and MCSEs are also members of various forums at Novell and Microsoft USA, hence all software fixes and patches are immediately available to us. NSL delivers this service through Network Software Maintenance Contracts with its customers.

With this in depth expertise NSL offers consultancy services to clients and assists in setting strategic directions for networks including among others email, establishment of wide area networks on permanent or dial link and internet connectivity in conjunction with local Internet Service Providers (ISPs).

We are also **SIEMONS** Cabling Certified Designers and Installers. SIEMON International is a manufacturer of industry standard network cabling products that offer a warranty of 15 years to the end user. Our Cabling division specializes in Fiber Optic, UTP 10/100 Category 5&6, STP and FTP structure cabling for both voice and Data System.

Training Services

NSL appreciates the fact that to get a full return on investment staff have to be trained to fully utilise available resources. With our highly experienced instructor we offer System Administration training on Novell NetWare and Microsoft Windows NT. We also offer customized training on applications packages. Training can be conducted at our training centre or at customer site.

Engineering Services

NSL has a full-time Maintenance Center. Using the latest technology trouble shooting tools and competent personnel, NSL delivers this service to its customer through various contract arrangements namely Comprehensive and Labour only agreements or on time and materials basis.

Marketing and Sales of Hardware and Consumables

Being authorized resellers for **Compaq, IBM** and **Dell** computers. NSL offers a wide range of products that are carefully selected to suite customer's requirements. NSL builds custom workstations and servers, using only top branded components as well as supplying branded products such as Compaq, Dell, Hewlett Packard and other providing our clients unrivalled flexibility on computer hardware.

We supply to our client a wide range of products which include HP LaserJet and Inkjet Printers, Epson Dot Matrix, American Conversion (APC) and Emerson Uninterruptible Power Supplies, HP and Epson Scanner, 3COM and ACCTON networking products among others. Our consumables inventory includes 3M and Verbatim High-Density diskettes, Epson Ribbons, HP Toners and 3M and HP tape cartridges.

Directors

Mbarani Echaminy (Managing Director).

Mbarani is the founder of the company and is a Certified Novell Engineer having majored in communications systems in his undergraduate degree at Moi University. After completing his studies at Moi University he joined Automated Systems Ltd. As an engineer he helped setup the networking division whose primary functions were Novell Education training and network consultancy. Mbarani's involvement was mainly training on Novell products. He later joined the Matrix Group as a Senior Systems consultant with responsibilities of providing network solutions to clients and their training. He has been involved in numerous NetWare installations and upgrades. He founded Network source Limited in 1995 offering the same services to clients. Mbarani has trained many NetWare professionals in the region. He is also a class 'A' registered engineer with Telkom Kenya Limited.

Vincent Rariewa (Business Director).

Vincent has been involved in IT industry for over 8 Years. He has a Diploma in Computer Science and is a Masters Novell Certified Engineer (MCNE), Microsoft Certified Professional and a Compaq Accredited Systems Engineer. After college he joined Universal Safari Tours as a computer professional and was heavily involved in their computerization program both software development, local and wide area networking. He rose among the ranks to Computer Manager. Later he joined Amarco Kenya Limited as a Communications Engineer responsible for providing turnkey solutions to clients. Vincent is a Certified Siemon Cabling Designer.

Staffing

NSL has a staff compliment of 15 composed of highly skilled, experienced and motivated staff with backgrounds varying from systems software, electronics engineering and cabling systems.

LEGAL SERVICES

James Nyiha (Company Secretary)
LLB University of Nairobi

Key technical personnel include: -

SYSTEMS SOFTWARE

Danson Gichuhi (Systems Manager).
Higher Diploma in Computer Science
Certified Novell Administrator
GroupWise Certified Novell Administrator
Microsoft Certified Professional
Cisco Certified Network Administrator

Michael Mwangi (Senior Systems Engineer).
Bachelor of Science (Maths)
Microsoft Certified Professional
Certified Novell Administrator
Microsoft Certified System Engineer
Cisco Certified Network Administrator

Patrick Munyua (Systems Engineer).
Higher Diploma in Computer Science
Certified Novell Administrator
GroupWise Certified Novell Administrator

SYSTEMS HARDWARE

Tom Ndalo Mboya (Technical Manager)

*Diploma in Computer Engineering
Certificate in IBM AS400 System Maintenance
Certified Siemon Cabling Installer
Siemon Certified Cabling Installer*

Dan Mwehia (Technical Engineer).

*Diploma in Electronics Engineering
A+ Service Technician
Siemon Certified Cabling Installer*

Komesha Odhiambo (Technical Engineer)

*Diploma in computer servicing and maintenance
A+ service Technician
Siemon Certified Cabling Installer*

NETWORK CABLING

Brian Kimani (Support Engineer).

*Diploma in Electronics Engineering
A+ Service Technician
Siemon Certified Cabling Installer*

Alan Mbarani (Support Engineer).

*Diploma in Electronics Engineering
A+ Service Technician
Siemon Certified Cabling Installer*

SOFTWARE DEVELOPMENT

Evance Mkangali (Software Development Manager)

*Bachelor of Science (Computer Science)
Software Programmer*

Susan Njeri (Programmer).

*Higher Diploma in Computer Science
Certified Novell Administrator
Microsoft Certified Professional*

Lucy Kirui (Programmer).

*Higher Diploma in Computer Science
Certified Novell Administrator
Microsoft Certified Professional*

SALES AND MARKETING

Anne Njuguna (Marketing Manager)

*ACP Diploma in Systems
City & Guilds PC Support Eng.
Certified Novell Administrator
Microsoft Certified Professional*

Faith Martha Ng'etich (Sales and Marketing Executive)

*Bachelor of Education (Science Hons)
Advanced research and writing skills
A+ Service Technician*

CONSULTANTS

George Kariithi

*B.A. International Relations (Marketing Option)
Microsoft Certified Professional*

Peter Muchai

*B.A International Relations (Marketing Option)
Microsoft Certified Professional*

Our clients:

Our current clientele to whom we provide personalized technical support and consultancy comprises the following organizations:

□ **Action Aid**

Contact person: -

☞ *Willy Matuku (Africa Regional IT Director)*

Functions undertaken: -

☞ *Redesigning of Novell Directory Services.*

☞ *Upgrade of NOS from NetWare v4.11 to v5.0.*

☞ *Upgrade of GroupWise Email system from v5.2 to 5.5.*

□ **AON Minet**

Contact person

☞ *Fred Mburu (Systems Manager).*

Functions Undertaken: -

☞ *Implementation of Y2K compliance, hardware and software.*

☞ *Redesign of Novell Directory Services.*

☞ *Integration of NetWare and Windows NT Servers.*

☞ *Implementation of Structured cabling*

☞ *Supply of computer hardware*

☞ *Designing and programming in house stock and Asset control system.*

□ **Aventis Pasteur**

Contact person: -

☞ *Dr. Moses Mwangi*

Function undertaken: -

☞ *Structured Cabling*

☞ *Installation and Configuration of Windows NT 4.0 and Microsoft exchange 5.5 with proxy server.*

□ **Aventis Cropscience**

Contact Person:

☞ *Z. Mwangangi (Computer manager)*

Functions Undertaken: -

☞ *Redesign of Novell Directory Services.*

☞ *Implementation of Novell Directory Services and SFT III Mirrored Server Link.*

□ **British Council**

Contact person

☞ *Simon Salim (Computer Manager)*

Functions undertaken: -

☞ *Redesigning of Novell Directory Services.*

☞ *Upgrade of NOS from NetWare v4.11 to v4.2.*

☞ *Structured Cabling for data at their offices located at ICEA Building*

☞ *Installation of Microsoft Windows NT, Exchange and Proxy*

☞ *Integration of NetWare with Windows NT*

☞ *Setup of Wide Area Network between ICEA office and Harry Thuku Rd Office*

□ **Care International (Uganda)**

Contact Person: -

☞ *Albert Wosso*

Functions Undertaken: -

☞ *Installation of Windows NT Server*

☞ *Installation and Configuration of Microsoft Exchange Server*

□ **Compagne General de Banque (Rwanda)**

Contact Person: -

☞ *Gregoirie Murarrira (Assistant Director).*

Functions Undertaken: -

☞ *Design of Novell Directory Services.*

☞ *Installation and configuration of NetWare 4.11.*

☞ *Setup of NetWare Mirrored Server Link (SFT III).*

☞ *Training of staff on NetWare 4.11 administration, Installation and Configuration and Building Intranets with IntraNetWare.*

☞ *Installation of Wide Area Network using Cisco.*

□ **DFID (EA) UGANDA**

Contact Person:

☞ *Mathias Mulumba (IT Network Supervisor)*

Functions Undertaken:-

☞ *Structured Cabling office on 7th Floor Conrad Plaza*

☞ *Installation and Configuration of NetWare 4.11*

☞ *Installation and Configuration of GroupWise 4.1 a*

☞ *Installation and Configuration of Bordermanager 3.0*

☞ *Installation and Configuration of windows NT*

☞ *Integration of NetWare Windows NT Servers*

□ **Express Travel Group**

Contact Person: -

☞ *Elijah Mwangi (Computer manager).*

Functions Undertaken: -

☞ *Structured Cabling of City center offices.*

☞ *Installation and configuration of NetWare 3.12.*

☞ *Training of staff on NetWare 3.12.*

☞ *Upgrade to NetWare 5.0 OS*

□ **Express Kenya Limited**

Contact Person:-

☞ *Wilson Owiti (Computer Manager).*

Functions Undertaken: -

☞ *Supply of Compaq Proliant Server, Compaq workstations and NetWare 4.11 (50 User).*

☞ *Design of Novell Directory Services.*

☞ *Upgrade of NOS from NetWare 3.12 to 4.11.*

☞ *Implementation of Y2K compliance, hardware and software.*

□ **First Africa Capital Limited**

Contact Person: -

☞ *Daniel Mutunga*

Functions Undertaken: -

☞ *Structured Cabling for data at their offices located at I&M Bank House*

☞ *Installation and Configuration of Windows NT Server*

☞ *Installation and Configuration of Microsoft Exchange Server*

☞ *Maintenance of all their systems (hardware /software and Network).*

□ **Howse & McGeorge Laborex Limited**

Contact Person: -

☞ *Dr. Maureen Nafula (Branch Manager)*

Functions Undertaken: -

☞ *Structured Cabling both central UPS power and data points at head office in industrial area*

☞ *Structured Cabling of Pharmacies in Nairobi*

☞ *Design of Novell Directory Services.*

☞ *Supply Installation and Configuration of NetWare for Small Business 4.2*

☞ *Maintenance of all network functions*

□ **Haco Industries Limited**

Contact Person: -

☞ *Peter Ndwiga (Computer Manager)*

Functions Undertaken: -

☞ *Redesign of Novell Directory Services.*

☞ *Documentation of all Network functions*

□ **IUCN**

Contact Person: -

☞ *Esther Wamae*

Functions Undertaken: -

☞ *Implementation of Y2K compliance project.*

☞ *Installation Y2K patches on Compaq server.*

☞ *Supply of Compaq and Dell Workstation, NetWare 5 and GroupWise Email software Design of Novell Directory Services.*

☞ *Upgrade of NOS from NetWare 3.12 to 5.0 design and installation of GroupWise email system*

☞ *Setup of Internet access from client workstations*

☞ *Training of staff On NetWare 5.0*

☞ *Maintenance of network functions (Hardware and Software)*

☞ *Structured Cabling*

□ **KASNEB**

Contact person: -

☞ *S. Njaramba (Computer Manager)*

Functions Undertaken: -

☞ *Supply of Windows NT software.*

☞ *Installation and Configuration of NT server.*

☞ *Installation and Configuration Informix on NT server.*

☞ *Integration of NetWare and Windows NT servers.*

☞ *Maintenance of existing NetWare 4.11 network.*

☞ *Structured Data Cabling*

□ **Kenya Bankers Association**

Contact Person: -

☞ *Mike Karanja (Project Manager)*

Functions Undertaken: -

- ☞ *Supply of NetWare 4.2 and Sybase SQL.*
- ☞ *Design of Novell Directory Services.*
- ☞ *Upgrade of NOS from NetWare 4.11 to 4.2*
- ☞ *Installation and configuration of Sybase SQL SOFTWARE.*
- ☞ *Network and Hardware maintenance contracts.*

□ **Kenya Commercial Bank**

Contact Person: -

☞ *TKS Belsoi*

Functions Undertaken: -

- ☞ *Training for Novell NetWare 5.0*
- ☞ *Installation and configuration of NetWare 5 Operating System at one Branch office*
- ☞ *Installation and Configuration of SFT III (faulty tolerance at Card Centre)*

□ **Kenya Women Finance Trust**

Contact Person: -

☞ *Mwangi Githaiga (Computer Manager)*

Functions Undertaken: -

- ☞ *Implementation of Y2K upgrade project.*
- ☞ *Supply of NetWare 4.2.*
- ☞ *Upgrade of NOS from 4.11 to NetWare for Small Business 4.2*
- ☞ *Network and Hardware Maintenance contracts .*
- ☞ *Structured Cabling both central.*
- ☞ *Installation and Configuration of Email system using GroupWise.*

□ **Mastermind Tobacco Limited**

Contact Person:

☞ *Audrey Murungi (Computer Manager)*

Functions Undertaken: -

- ☞ *Supply of NetWare 5.0 and GroupWise 5.5*
- ☞ *Upgrade of NOS from Netware 4.11 to NetWare 5.0*
- ☞ *Installation and configuration of GroupWise Email software*
- ☞ *Setup of internet access for all workstations through server*
- ☞ *Configured a Wide Area Network between their Nairobi office and Bungoma using Cisco routers as the office media.*

□ **Mediplus Services Limited**

Contact Person:

☞ *Lewis N. Nguyai (Managing Director)*

Functions Undertaken: -

- ☞ *Integrated Voice and Data Structured Cabling*
- ☞ *Maintenance of their Network (Hardware and Software)*

□ **Novacom System Limited**

Contact Person:

☞ *Mebis Nathoo (Managing Director)*

Functions Undertaken: -

- ☞ *Novell Education Training of Certified Novell Engineer Programs comprising. IntraNetWare Administration, Advance Administration, Installation & Configuration, Design & Implementation, Netware Integrating Windows NT.*
- ☞ *Implementation of Y2K compliance program for Hilton Nairobi.*
- ☞ *Implementation of Y2K compliance program for Hilton Rabat in Morocco.*

□ **Plan International Kenya**

Contact person:

☞ *Michael Warui (National Systems Coordinator)*

Functions Undertaken: -

- ☞ *Design of Novell Directory Services for Africa Regional Office and Country office in Nairobi.*
- ☞ *Installation, Configuration and Documentation of NetWare 4.11 at Africa Regional office in Nairobi.*
- ☞ *Design of Novell Directory Services for Field office in Kiambu, Embu and Mombasa.*
- ☞ *Installation, Configuration and Documentation of NetWare 4.11 at field offices in Kiambu, Embu and Mombasa.*
- ☞ *Hardware and NetWare Maintenance contracts.*

□ **Windle Charitable Trust**

Contact Person:

☞ *Ela Parma (Computer Manager)*

Functions Undertaken: -

- ☞ *Redesign of Novell Directory Services.*
- ☞ *Implementation of Y2K project.*
- ☞ *Supply of Compaq PROLIANT SERVER, upgrade of workstation motherboards, memory and harddisk and Supply in NetWare for Small Business v4.2*
- ☞ *Upgrade of NOS from NetWare v4.10 to NetWare for small Business.*
- ☞ *Installation and configuration of GroupWise 5.2 email system for internal and Internet Email.*
- ☞ *Setup of Internet browsing from workstations on the network.*
- ☞ *Hardware and Network Maintenance contract.*

Other clients for whom we have taken similar projects and continue to provide similar services are: -

<u>CLIENTS</u>	<u>CONTACT PERSON</u>
-Across Africa	Ken Kanga Computer manager
-Amref	Henry Meena Computer Service manager
-AAR	Mr. Peter Nduati Agency Director
-African Cargo Handling Ltd.	Mrs. C Muya General Manager
-Azicon Engineering Limited	Mr. Eric Mwandia Business Director
-Bunson Travel	Mr. Peter Steinweinder General Manager
-Carnaud Metalbox	Mr. Peter Nduati Computer Manager
-Christian Children Fund Inc.	Mr. George Odhiambo Computer manager
- Firestone East Africa	Mr. P. Okiro Systems Analyst
-Forcon Kenya	Mr. Rashid Mohamed Area Manager
-GNLD	Cathy Gahturu General Manager
-Habib Bank AG Zurich	Mr. Hussein Iqbal Finance Director
-House of Manji	Percy Opio Computer Manager
-International school of Kenya	Mr. Rajani Kamalah Finance Manager
-Kenya Society for the blind	Mr. Wilson Noreh Director
-Kisiwani Limited	Mrs. Isabel Hansen Director
-M.J. Glesson International	Mr. Les Didymus Chief Quantity Surveyor
-Nedlloyd Lines Limited	Mr. Michael Macodras Computer manager
-PMIU	Mr. Patrick Kabiru Project Accountant
-Sarova Hotel	Mr. Wilfred Masese IT Manager
-Shell Development (K) Limited	Mr. J. Muriuki Computer Manager
-Sofitec Ltd (Rwanda)	G. Zitoni Managing Director
-Tetra Pak (K) Limited	Mr. Francis Chege Business Manager
-TNT	Karanja Njoroge Marketing Manager
-Vestergaard	Thomas Hansen Regional Director
-WWF	Mr. Henry Chege Computer Manager