

**NATIONAL INSTITUTE OF RURAL DEVELOPMENT**  
(An Organisation of the Ministry of Rural Development, Govt. of India)  
Rajendranagar, Hyderabad - 500 030

**COVER "A"**

**TENDER QUOTATION**

From

To be filled by NIRD DD No _____ Date _____ Amount Rs.500/- Issued to _____ _____
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Sig. of DA

To  
The Registrar & Director (Admn)  
National Institute of Rural Development  
Rajendranagar, Hyderabad - 500 030

Sir,

Sub : Tender for supply and installation of hardware/software for C-GARD  
- Reg.

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**PART - I : COMMERCIAL DETAILS**

1. Name and address of the tenderer:
2. Telephone Nos.:
3. Fax No.:
4. Month and year of establishment:

5. Names of three major customers to whom such equipments were supplied and installed in the preceding three years:

- (i)
- (ii)
- (iii)

6. Major orders on hand for the next 6 months:

7. Mention Municipal certificate/Sales Tax/  
Commercial Tax/Registration /VAT details:

8. Annual Turn Over during 2005-06  
2006-07  
2007-08

9. Please attach copies of annual returns of  
Sales tax and income tax for the last three  
years i.e., 2005-06, 2006-07 & 2007-08

10. Please enclose a copy of the technical specifications  
for each of the hardware/software

11. EMD details : DD No. \_\_\_\_\_  
For : Rs 50,000/-  
Bank (Branch) \_\_\_\_\_  
(Nationalised Bank only)  
Drawn on \_\_\_\_\_  
Date : \_\_\_\_\_

Date:

SIGNATURE OF THE  
TENDERER & STAMP

Encl : DD No \_\_\_\_\_ drawn on \_\_\_\_\_  
For Rs 50,000/- dated \_\_\_\_\_ is enclosed

**NATIONAL INSTITUTE OF RURAL DEVELOPMENT**  
(An Organisation of the Ministry of Rural Development, Govt. of India)  
Rajendranagar, Hyderabad - 500 030

**COVER "B"**

**TENDER QUOTATION PART - II**  
**(Financial Bid)**

I / We hereby offer the following rates for undertaking to supply and installation of the hardware/software as per the specifications indicated in the Annexure Annexure-I, II and III. Further, I/we agree to hold this offer open for a period of one year:

Sl. No.	Name of the item	Qty. to be supplied	Rate quoted per unit	
			In words	In figures
	<b>I. HARDWARE</b>			
1.	TRIMBLE 3603 DR Total Station (As per the specifications in Annexure-I)	1		
2.	TRIMBLE 5700 model dual frequency DGPS Post Processing System (As per the specifications in Annexure-I)	1		
3	Juno SB handheld with Terra Sync GIS Field Software (As per the specifications in Annexure – III)	10		
4	Storage Device – 1.2 TB Raw capacity, SAS Drives Dual Autosensing 10/100/1000 Base-T, RJ-45 (2x1 Gb/sec Ethernet) Supports RAID levels 1 or 5 Web-based management interface Active/active Data Ports	1		
5	Blade Servers (for detailed specifications kindly see Annexure-I)	3		
	<b>II. SOFTWARE</b>			
1.	ArcGIS Server 9.3.1 (for specifications kindly see Annexure-II)	1		
2.	Educational kit of ERDAS & LPS 9.3 (for specifications kindly see Annexure-II)	5		
3	Upgradation of existing Imagine software to latest ERDAS 9.3 (As per the specifications in Annexure – III)	4		

4	ENVI + IDL Software (for specifications kindly see Annexure-II)	1		
5	Microsoft Visual Studio 2008 SP1	1		
6	Microsoft SQL Server 2008 (64 bit) SP1	1		

Contd...

2. Further, we accept all the terms and conditions of the tender documents in bid form and this acceptance shall prevail over any other conditions, if any given in our bid.
3. We undertake to supply and install the above items within the stipulated time as indicated in purchase order. The rates quoted will be valid for one year.
4. Rates quoted are inclusive of all custom duties, excise duties, other taxes, packing, forwarding, transportation, insurance and other local costs incidental to delivery & installation etc., at NIRD, Rajendranagar, Hyderabad 500 030.

SIGNATURE OF THE  
TENDERER & SEAL

Date:  
Place:

**NATIONAL INSTITUTE OF RURAL DEVELOPMENT**  
(An Organisation of the Ministry of Rural Development, Govt. of India)  
Rajendranagar, Hyderabad - 500 030

**TENDER DOCUMENT**

**I. GENERAL GUIDELINES FOR SUBMITTING TENDER DOCUMENTS**

1. Terms and conditions are to be signed by the tenderer on each and every page with seal.
2. Demand Draft prescribed towards earnest money.
3. Testimonials
4. Attested xerox copies of
  - (i) the registration certificate of the firm/agency;
  - (ii) income tax return/assessment order for last year.
  - (iii) sales tax return/assessment orders for the three years i.e., 2005-06, 2006-07 and 2007-08.
  - (iv) Copies of audited financial statements showing the annual turnover during the last 3 years.
  - (v) TIN Number/Service Tax Registration number along with copies of Registration under VAT & Service Tax Acts.
5. Part – I (Technical Bid) and Part-II (Financial Bid) of the tender document should be filled in and signed with seal on every page. The sealed quotations are to be dropped in the Tender Box kept in Stores Section of the Institute for the purpose.
6. The tender is liable to be rejected in the absence of these documents.
7. Tenders are not transferable.
8. Earnest Money Deposit prescribed will be returned to the unsuccessful tenderers. Tenders not accompanied by Earnest Money shall be summarily rejected.
9. Cost of the tender document i.e. Rs. 500/- is not returnable.
10. The Earnest Money of successful tenderer will be forfeited if he does not fulfill any of the following conditions:
  - a) Furnishing of security deposit prescribed by means of a Demand Draft in favour of Registrar and Director (Administration), NIRD, Rajendranagar, Hyderabad with in 14 days of the receipt of the letter awarding the contract.
  - b) To comply with all the terms and conditions of the letter of award of order.
11. Director General NIRD reserves the right to accept or reject the tender(s) without assigning any reasons whatsoever.

## II. TERMS AND CONDITIONS:

1. The sealed tenders for this work are accepted upto 3.00 p.m. on **26.11.2009**. The technical bids will be opened at 3.30 pm on the same day. The financial bids in respect of the technically qualified tenderers will be opened with prior intimation that too in the presence of those tenderers or their authorised representatives.
2. Mere fulfillment of all the stipulations as contained in the tender document, terms and conditions annexed to the tender quotation does not confer any right on the tenderers on acceptance of their tender application.
3. The tenderer should enclose Demand Draft for Rs 50,000/- (Rupees fifty thousand only) in favour of "Registrar & Director Admn., NIRD", towards EMD drawn on any commercial bank to the tender document towards EMD. The EMD will not carry any interest whatsoever. EMD furnished for previous tenders will not be adjusted against the present Tender.
4. The successful tenderers is required to pay 10% of the value of the equipment towards security deposit in the form of Demand Draft or Bank Guarantee which will not carry any interest.
5. The Director General, NIRD reserves the right to call any one or all the tenderers for negotiations or reject or accept any tender irrespective of whether it is the lowest or not, or cancel any or all tenders without assigning any reasons. The decision of the Director General shall be final and binding on all the tenderers concerned. The Institute shall reserves the right to place order on item-wise L1 firm.
6. The tenderers should enclose attested photostat copies of (i) the registration certificate of the firm/company (ii) Latest Income Tax return/assessment order and (iii) Sales Tax return/assessment order for the last three years i.e. 2004-05, 2006-07 and 2007-08, along with the tender quotation.
7. List of Offices/Departments/Institutions where the tenderer has already supplied similar equipment should be attached.
8. NIRD reserves the right to forfeit the EMD of empanelled tenderers on account of (i) premature withdrawal from the tender (ii) non-payment of security deposit. The decision of the Director General, NIRD shall be final in this regard.
9. The Institute reserves the right to entrust the contract to one or more bidders.

10. NIRD reserves the right to forfeit the security deposit of the empanelled firm who do not execute the work assigned as per the Purchase Order. The decision of the Director General, NIRD shall be final in this regard.
11. Penalty is liable to be levied on the empanelled firm who do not supply the ordered equipment according to specifications, quantity and time limit specified in the Purchase Order.
12. Corrections, if any, must be attested. All amounts shall be indicated both in words as well as in figures. Where there is difference between the amount quoted in words and figures, amount quoted in words shall prevail.
13. SPECIFICATIONS & QUANTITY – for detailed specifications kindly see Annexure-I & II & III.
14. Payment terms are full payment within 30 days from the date of satisfactory supply and installation of systems and submission of the bill.
15. **Three years comprehensive onsite warranty for Hardware & one year for Software** should be provided which includes replacement of the parts as and when needed of the hardware and software and cable components installed. The tender offer should be complete in all respects.
16. The tender offer should be complete in all respects.
17. The successful bidder should supply the ordered equipment within the prescribed period indicated in the Purchase Order. After expiry of the period, any further delay in delivery and installation of the equipment ordered, liquidated damages at 1% per day of the undelivered items and value of delivered items will be charged from the vendor.
18. The total cost of the equipment will be inclusive of all taxes, duties, if any.
19. The equipment should be delivered and installed at NIRD without any extra charges.
20. Arbitration: in the event of any question, dispute or difference arising under these conditions or any conditions contained in the Purchase order or in connection with this contract, the same shall be referred to the sole arbitration of the Director General or some other persons appointed by him. The award of the arbitrator shall be final and binding on the parties to this contract.
21. The sealed quotation should be dropped in the tender box kept at Stores Section, NIRD, Hyderabad-500 030.

**REGISTRAR & DIRECTOR (ADMN)**

**SPECIFICATIONS FOR HARDWARE**

S.No	Item	Specifications	Quantity
1	Trimble 360 DR Total Station	TRIMBLE 3603 DR Angle Accuracy : 3 sec. Least Count : 0.1 sec . Dist Accuracy : 2mm + 2ppm with In-built Laser Plummet, with Bulls eye image of Laser Point and surrounding circle for quick centering and Track Light with Red and Green light for fast stake out Telescope Manification : 30x WITH DUAL ELECTRONIC DISTANCE METER For Measurement with and without prism Direct Reflex Measurement Range Kodak Grey 18% - 80 mtrs. Kodak Grey 90% - 120 mtrs. <b>Range to Foil</b> 20mm dia - Long Range mode 200 mtrs. 60mm dia - Long Range mode 800 mtrs. <b>Range to Prism</b> 1 prism : 3000 mtrs. Long Range 5000 meters 3 prism : 5000 mtrs Long Range 7500 meters 3600 Alidade Base Rain hood 702722 162 3810 New Standup Yellow Transport case Carrying Strap for Instrument Transport Case CU - TRIMBLE CU KIT WITH SURVEY CONTROLLER SOFTWARE Accessory - Screen Protector TCU (10 per pack) Manual - Shortform user guide TCU Warranty - Warranty card TCU Trimble Survey Controller v11.10 CD NOTICE CHECK THE WEB CU - TRIMBLE CU Accessory - Docking station for Trimble CU Cable - 2.5m, Hirose 6 pin to PC USB (GPS holder, Robotic holder, Docking station) Cable - 0.18m, Hirose 6 pin to USB stick or compact flash card reader Power - Power supply 12V for docking station Adapter / Panel for connecting TCU Trimble CU Adapter kit TCU- GPS Holder Kit CONSISTING OF ACCESSORIES BATTERY AND CHARGER COMBINATION Internal Battery NiMh 3.5Ah, 6V Single Charger	1

		<p>Charging Cable</p> <p>Power Cable for charger</p> <p><b>SINGLE PRISM POLE REFLECTOR COMBINATION</b></p> <p>Prism - Reflector Titled Large</p> <p>Aluminium Telescopic Range Pole</p> <p>Trimble original Heavy duty Telescopic wooden Tripod for instrument</p> <p>Data downloading software</p> <p>Terra Model field Data Module</p>	
2	Trimble 5700 Model Dual frequency DGPS Post Processing System (DGPS)	<p><b>5700 Receivers Package</b></p> <p><b>BASE SETUP</b></p> <p><b><u>5700 Dual Frequency GPS Receiver (Base)</u></b></p> <p>5700 Base kit with no Internal Radio includes</p> <p>5700 GPS Receiver - 1 no</p> <p>5700 Base Transport case - 1 no</p> <p>Zephyr Geodetic antenna - 1 no</p> <p>64MB Compact Flash card - 1 no</p> <p>USB cable - 1 no</p> <p>Lithium ion battery - 2 no</p> <p>Base Battery with charger</p> <p>Power supply for internal charger - 1 no</p> <p>Download cable - 1 no</p> <p>10m GPS antenna cable - 1 no</p> <p>H.I rod - 1 no</p> <p>5700 software CD &amp; manual - 1 nos</p> <p>Tribrach - 3 pin with optical plummet</p> <p>Tribrach Adapter to 5/8" with removable centre</p> <p>Tripod Wooden</p> <p><b>ROVER SETUP</b></p> <p><b><u>5700 Dual Frequency (Rover)</u></b></p> <p>5700 Rover kit with no internal radio 430m -450MHz</p> <p>USB cable - 1 no</p> <p>Batteries with charger</p> <p>5700/5800software CD &amp; manual - 1 nos</p> <p>Carbon Fibre telescopic range pole - 1no.</p>	1
3	Storage Device	<p>1.2 TB Raw Capacity, SAS Drives</p> <p>Dual Autosensing 10/100/1000 Base-T, RJ-45 (2 x 1 Gb /sec Ethernet)</p> <p>Supports RAID levels 1 or 5</p> <p>Web-based management interface</p> <p>Active/active Data Ports</p>	1
4	Blade Servers	<p>1 Chasis and 3 Blade Servers</p> <p>Specifications are in next page</p> <p><b>Vender has to provide a Manufacturer Authorisation Letter of Dealership for participation in the tender.</b></p>	3

**Specifications for Blade Server**

Quantity required: 1 chassis and 3 Blade servers

**Database Server: 1 No.**

<b>Feature</b>	<b>Our Specifications Minimum Requirements</b>	<b>Specifications offered by Vendor*</b>
Make		
Model		
Form Factor	Blade Server	
Processor Upgradeability	Two Processors Capable	
Processor	Two Quad-Core Intel® Xeon® Processor E5530 2.4 GHz, populated	
Cache Memory	8MB L3 Cache	
Chipset	5500 chipset of Intel or its equivalent	
RAM	12GB Memory	
Memory upgradability	Maximum Expandability upto 96 GB and above ( 12 DIMM slots)	
Memory type	DDR3Registered (RDIMM) memory	
RAID	Raid Controller with support RAID 0,1 with Battery backed Write cache	
Storage type	Hot plug SFF SAS	
Hard Disk	SAS- Internal 2x146GB 10K SFF Hot plug Drives	
Network Interface	Dual embedded 1GbE Multifunction Server Adapter, One (1) Additional 10/100/1000 NIC dedicated to Management	
Management feature	Licensed Remote Management Standard Blade Edition.	
Mezzanine slots	Minimum two (2) mezzanine expansion slots for additional I/O mezzanine	
Network support	Dual gigabit 10/100/1000 Ethernet controllers Wake on LAN / Serial over LAN /Full Duplex/TCP/IP Offload Engine / Load balancing or teaming. Blade Server should have dual Connections to the mid plane for redundancy	

Operating System Compatability	Latest Microsoft and Linux Operating Systems with restore/recovery CD/DVD or Recovery S/W Licensed OS CD/DVD with each server	
Warranty	3 years onsite warranty.	

**Application/Web Server: 2Nos.**

<b>Feature</b>	<b>Our Specifications Minimum Requirements</b>	<b>Specifications offered by Vendor*</b>
Make		
Model		
Form Factor	Blade Server	
Processor Upgradeability	Two Processors Capable	
Processor	One Quad-Core Intel® Xeon® Processor E5506, 2.13 GHz, populated	
Cache Memory	4MB L3 Cache	
Chipset	5500 chipset of Intel or its equivalent	
RAM	6GB Memory	
Memory upgradability	Maximum Expandability upto 96 GB and above ( 12 DIMM slots)	
Memory type	DDR3Registered (RDIMM) memory	
RAID	Raid Controller with support RAID 0,1 with Battery backed Write cache	
Storage type	Hot plug SFF SAS	
Hard Disk	SAS- Internal 2x146GB 10K SFF Hot plug Drives	
Network Interface	Dual embedded 1 Gigabit server adapter, One (1) Additional 10/100/1000 NIC dedicated to Management	
Management feature	Licensed Remote Management Standard Blade Edition.	
Mezzanine slots	Minimum two (2) mezzanine expansion slots for additional I/O mezzanine	

Network support	Dual gigabit 10/100/1000 Ethernet controllers Wake on LAN / Serial over LAN /Full Duplex/TCP/IP Offload Engine / Load balancing or teaming .Blade Server should have dual Connections to the mid plane for redundancy	
Operating System Compatability	Latest Microsoft or Linux Operating Systems with restore/recovery CD/DVD or Recovery S/W Licensed OS CD/DVD with each server	
Warranty	3 years onsite warranty.	

### Blade Chassis-1No

Feature	Our Specifications Minimum Requirements	Specifications offered by Vendor*
Chassis	Industry standard suitable for housing in Standard Server Racks - The blade chassis should not be more than 10 U high. Same enclosure should support Intel Xeon and AMD Opteron based blades Should support Hot Pluggable & Redundant Management Modules. Support simultaneous remote access for different servers in the enclosure.	
Interconnect	Should support simultaneous housing of Ethernet, FC, SAS interconnect fabrics offering Hot Pluggable & Redundancy as a feature	
If Virtual connect (Ethernet)	The switch should be capable of supporting VLAN tagging and Link aggregation on the uplinks, Virtualized LAN configuration to allow pre-provisioning of networks independent of changes in server connections in the blade enclosure.	

Blade Server Interconnect to Fiber Channel SAN	The enclosure should support Fiber Channel SAN switches with at least 4 Gb auto-negotiating FC uplinks and also at least 4Gb auto-negotiating downlinks to all server bays.	
If Virtual connect (FC)	The switch should be capable of supporting virtualized SAN configuration to allow pre-provisioning servers to SAN, independent of changes in server connections in the blade enclosure.	
SAS Modules  Internal HDD's	3 Gbps SAS connectivity modules to be provided in redundant configuration for option of connecting all the blades to internal SAN HDD's. It should be capable of providing Hardware Raid 0,1,5,10 on internal HDD's in the chassis.  Should be capable of taking minimum 12 SAS Drives . Scalable upto 5.4 TBs.	
Management Module	Management - Comprehensive web enabled system management tool that monitors the system health, environment, critical action etc, With its own data engine to store status reports, alerts and error notifications, Automatic Server Recovery (ASR)	
Power Modules	Enclosure based power, A minimum of 6 Hot Pluggable Power supplies to be provided for full redundancy on power. The minimum power available for the full Blade enclosure should be 13.5 Kilowatts.	
Redundant Mid Plane	The Blade Center Chassis should have Redundant mid plane (1 + 1 ) for providing connectivity of the shared resources to the blade servers in Dual Redundant Manner.	
CD-ROM	The Blade Chassis should have at least one pair of DVD RW	

**Annexure - II****SPECIFICATIONS FOR SOFTWARE**

<b>S.No.</b>	<b>Item</b>	<b>Specifications</b>	<b>Quantity</b>
1	ArcGIS Server 9.3.1 Along with upgradation of existing Arc Info 9.0 Software with four extensions	Advanced Enterprise (upto 2 sockets, max. two cores per socket) on Windows with 3D Analyst, Spatial Analyst, Geo- statistical Analyst, Network Analyst extensions.	1
2	Educational Kit of ERDAS & LPS 9.3	a. Imagine Professional Module b. Imagine Vector Module c. Imagine Virtual GIS Module d. Easy Trace e. Radar Interpreter f. Ortho Radar g. Stereo SAR DEM h. DeltaCue i. Mosiac Pro j. Auto Sync k. LPS Core Module l. LPS ATE m. LPS Terrain Editing Module n. LPS Stereo Module o. Stereo Analyst for Imagine p. Topo Mouse – only 1	5
3	ENVI + IDL Software	(Image Processing & Remote Sensing Application) 4.5 / latest version Node Locked / Network License on Windows. DEM Extraction Add on Module	1
4	Microsoft Visual Studio 2008 SP1	Microsoft Visual Studio 2008 SP1	1
5	Microsoft SQL Server 2008 (64 bit) SP1	Microsoft SQL Server 2008 Enterprise version	1

**Annexure - III**

**SPECIFICATIONS FOR SOFTWARE / HARDWARE**

**Setting up of Four GIS Centers**

S.No	Item	Specifications	Quantity
1	Upgradation of existing Imagine software to latest ERDAS 9.3	<ul style="list-style-type: none"><li>• ERDAS Imagine Professional</li><li>• Vector</li><li>• Virtual GIS</li></ul>	4
2	Juno SB handheld with TerraSync GIS Field Software	3 Mega pixel camera Microsoft Windows Mobile 6.0 software for pocket PCs 531 MHz Samsung processor Integrated GPS receiver, antenna and battery Channels used – 12 (L 1 code) Accuracy : 2 to 5 mtr (DGPS) Update rate – 1 Hz Time to first fix – 30 sec typical NMEA and SIRF protocol support 128 MB RAM 128 MB non-volatile Flash data storage SD Memory Card Slot Outdoor color display Rugged and water-resistant design All-day internally rechargeable battery Bluetooth and Wireless Lan Connectivity Temperature Operating -10 °C to +50 °C (14 °F to 122 °F) Storage - 20 °C to +70 °C (-4 °F to 158 °F)	10