

भारत सरकार, अंतरिक्ष विभाग / Govt. of India, Dept. of Space
भारतीय अंतरिक्ष अनुसंधान संगठन / Indian Space Research Organisation
भारतीय सुदूर संवेदन संस्थान / Indian Institute of Remote Sensing
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निविदा आमंत्रण सूचना / Notice Inviting Tender

भारत के राष्ट्रपति की ओर से भारतीय सुदूर संवेदन संस्थान, देहरादून द्वारा निम्नलिखित के लिए दो भागों में मोहरबंद बोलीयां आमंत्रित की जाती हैं।

On behalf of President of India, Indian Institute of Remote Sensing, Dehradun invites Two Part sealed tender for the followings.

क्र. सं. / Sl. No.	निविदा सं. / Tender No	विवरण / Description	मात्रा / Qty.
1.	जी.आई.आर.एस. 2017000016-01 / GIRS 2017000016-01	भा.सु.सं.स. परिसर में वायरलेस कनेक्टिविटी / Wireless Connectivity in IIRS Campus (विस्तृत विवरण/विनिर्देश, निबंधन एवं शर्तें निविदा प्रलेखानुसार / Detailed Specifications, Terms & Conditions as per tender documents)	01 कार्य / 01 Job.
2.	जी.आई.आर.एस. 2017000017-01 / GIRS 2017000017-01	भा.सु.सं.स. की वेबसाइट के उन्नयन और रखरखाव के लिए वार्षिक रखरखाव अनुबंध / Annual Maintenance Contract for up-gradation and maintenance of websites at IIRS. (विस्तृत विवरण/विनिर्देश, निबंधन एवं शर्तें निविदा प्रलेखानुसार / Detailed Specifications, Terms & Conditions as per tender documents)	01 कार्य / 01 Job.
3.	जी.आई.डी.आई. 2017000018-01 / GIDI 2017000018-01	भाडे पर डिजिटल फोटोकॉपियर मशीन / Hiring of Photocopier Machine (Digital) (विस्तृत विवरण/विनिर्देश, निबंधन एवं शर्तें निविदा प्रलेखानुसार / Detailed Specifications, Terms & Conditions as per tender documents)	01 कार्य / 01 Job.
4.	जी.आई.आर.एस. 2017000019-01 / GIRS 2017000019-01	स्कूल एवं परिसर अनुबंध के तहत माइक्रोसॉफ्ट लाइसेंस का नवीनीकरण / Renewal of Microsoft licenses under School and campus agreement / (विस्तृत विवरण/विनिर्देश, निबंधन एवं शर्तें निविदा प्रलेखानुसार / Detailed Specifications, Terms & Conditions as per tender documents)	01 कार्य / 01 Job.
5.	जी.आई.ई.आर. 2017000020-01 / GIER 2017000020-01	एनओवाई ट्रेस गैस एनालाइजर / NOy Trace Gas Analyzer (विस्तृत विवरण/विनिर्देश, निबंधन एवं शर्तें निविदा प्रलेखानुसार / Detailed Specifications, Terms & Conditions as per tender documents)	01 संख्या / 01 No.
6.	जी.आई.ई.आर. 2017000021-01 / GIER 2017000021-01	टोटल हाइड्रोकार्बन एनालाइजर / Total Hydrocarbon Analyzer. (विस्तृत विवरण/विनिर्देश, निबंधन एवं शर्तें निविदा प्रलेखानुसार / Detailed Specifications, Terms & Conditions as per tender documents)	01 संख्या / 01 No.
निविदा शुल्क / Tender Fee		₹ 573/- प्रत्येक निविदा हेतु / For each Tender (निविदा शुल्क ₹ 500 + मूल्य वर्धित कर 14.5 प्रतिशत की से / ₹ 500 Tender Fee + VAT @ 14.5%)	
निविदा प्रारूप जारी करने की तिथि / Starting date for issue of Tender Forms		04.04.2017 से / From 04-04-2017	
निविदा प्रारूप जारी करने की अंतिम तिथि / Last date for issue of Tender Forms		16.05.2017, 12:00 बजे तक / upto 12:00 hrs	
निविदा स्वीकृति की नियत तिथि / Due date for Receipt of Tender		16.05.2017, 14:00 बजे तक / upto 14:00 hrs	
तकनीकी बोलियां खोलने की तिथि / Date of opening of Techno-commercial Bids		टेंडर क्रमांक सं 1 एवं 2 / Tender S/No: 01 & 2 दिनांक 16.05.2017 को / on 16.05.2017, टेंडर क्रमांक सं 3 एवं 4 / Tender S/No: 03 & 4 दिनांक 17.05.2017 को / on 17.05.2017 एवं / & टेंडर क्रमांक सं 5 एवं 6 / Tender S/No 5 & 6 दिनांक 18.05.2017 को / on 18.05.2017 15:00 बजे क्रमशः / 15:00 hrs respectively.	

निविदा प्रपत्र किसी भी अनुसूचित बैंक से देहरादून में भुगतान योग्य, वेतन एवं लेखा अधिकारी, आई० आई० आर० एस० के पक्ष में जारी ₹ 573/- का डी०डी० जमा करके क्रय एवं भंडार अनुभाग, आई० आई० आर० एस० से किसी भी कार्यदिवस में प्राप्त कर सकते हैं अथवा www.iirs.gov.in से डाउनलोड कर सकते हैं। यदि निविदा दस्तावेज वेबसाइट से डाउनलोड किया गया है, तो ₹ 573/- का डी०डी० जो वेतन एवं लेखा अधिकारी, आई० आई० आर० एस०, देहरादून के पक्ष में देय हो, बोली के साथ अवश्य संलग्न करें।

Tender forms can be purchased from Purchase & Stores Section, IIRS on all working days on payment of ₹ 573/- in the form of DD drawn in favour of Pay & Accounts officer, IIRS Dehradun payable at Dehradun or can be downloaded from www.iirs.gov.in. When tender forms are downloaded, DD for ₹ 573/- drawn in favour of Pay & Accounts officer, IIRS Payable at Dehradun shall be attached with tender document.

निदेशक / Director

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**GOVERNMENT OF INDIA
DEPARTMENT OF SPACE
INDIAN INSTITUTE OF REMOTE SENSING
DE IIRS UN
PURCHASE & STORES**

Ph No: 0135 - 2524317, 4318
Fax 0135 - 2748041
Email: pns@iirs.gov.in

Date : 03/04/2017

INVITATION TO TENDER

M/s

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Our Ref No : GIRS 2017-000016-01

Tender Due: 14:00 Hrs ISTon 16/05/2017

Opening : 15:00 Hrs ISTon 16/05/2017

Dear Sirs,

Please submit your sealed quotation , in the Tender Form enclosed here along with the descriptive catalogues / pamphlets / literature ,superscribed with Our Ref.No. and Due Date for the supply of the following items as per the terms & conditions mentioned in Annexure(Form No:)

S.No.	Description of Items with Specifications	Unit	Quantity
1	Wireless Connectivity in IIRS Campus: Wireless Management System	No.	1
2	Access Point with management license and mounting kit	Nos.	60
3	Training, Installation, Integration with IIRS LAN and Firewall	Lot.	1
4	Customized user and log management software	No.	1
5	POE Injector (Detailed Specifications, Terms & Conditions as per tender documents)	Nos.	20

DELIVERY AT: IIRS

MODE OF DESPATCH DOOR DLVRY

DUTY EXEMPTIONS

SPECIAL INSTRUCTIONS TWO PART TENDER

SPECIFIC TERMS



ASHA CHANDRAN L
PURS. & STORES OFFICER
For and on behalf of the President of India
The Purchaser

GOVERNMENT OF INDIA
DEPT. OF SPACE, GOVT. OF INDIA
INDIAN SPACE RESEARCH ORGANISATION
INDIAN INSTITUTE OF REMOTE SENSING
No.4, KAIKAS ROAD, P.B.NO.135, DEHRADUN-248001

ANNEXURE I to Tender No. GIRS-2017000016 01/ PT-01/ 17-18

Specific Terms and Conditions to the Tender

1. Please submit the Technical Details / Catalogue / Data Sheets.
2. The offer should be valid for a period of 90 days from the date of opening of Tender.
3. Please send the quotations ONLY in 'SEALED COVER' indicating our tender enquiry No. and due date by speed post so as to reach us on or before the due date & time. IIRS will not be responsible for any postal delays.
4. E- mail/ fax quotations 'WILL NOT BE ACCEPTED'.
5. Please quote normal rate of Sales Tax without 'C' Form.
6. Our standard delivery term is FOR, IIRS. In case any vendor offers delivery term of Ex-works, Packing and Forwarding charges if any should be indicated separately either as a percentage of the quoted rate or as a Lumpsum amount.
7. We are exempted from the payment of Excise Duty as per Notification No. 16/07 dtd 01/03/2007 and Customs Duty as per Notification No. No. 51/96 Customs dated 23/07/1996 amended vide Notification No.24/2007 dated 01/03/2007. Necessary exemption certificate shall be issued upon request.
8. **Payment term** : Our standard payment term is 100% within 30 days after receipt and acceptance of the item at our site for indigenous orders and Sight Draft for foreign orders.
9. **Liquidated Damages** – The delivery period quoted should be realistic. The delivery period so quoted and mentioned in the order is the essence of the order/contract. In case of delay in delivery of material as per the delivery schedule, Liquidated Damage @ 0.5% per week on the undelivered portion subject to a maximum of 10% of the contract value shall be levied. Wherever, installation and commissioning is also involved, the supply will be deemed to have been completed only when the entire Stores is supplied, installed and accepted.
10. **Performance Bank Guarantee** : - Wherever products offered carry warranty, the warranty should be for one year or as per manufacturer's standard warranty term. Against such cases, please confirm submission of Performance Bank Guarantee. The Performance Bank Guarantee should be for 10% of the order value covering the warranty period obtained from any Scheduled Bank on Rs.200/- Non Judicial Stamp Paper and should be valid beyond 2 months from the date of completion of the warranty period. Alternately vendors can request for withholding 10% payment till completion of the warranty period.
11. **Security Deposit** : - Wherever the offer value is Rs. 5.00 Lakhs or above, the successful tenderer should submit Security Deposit @ 10% of the order value by way of Bank Guarantee / FD Receipt. The Bank Guarantee shall be obtained from any Scheduled Bank on Rs.200/- Non Judicial Stamp Paper and should be valid beyond 2 months from the date of completion of all contractual obligations. **Micro and Small Industries Vendors are not exempted from the submission of Security Deposit.**
12. In order to avail of the benefits extended to by Govt. of India to the Micro and Small Sectors, please submit attested copy of the valid Entrepreneur Memorandum Part-II signed by the General Manager, District Industries Centre / Udyog Adhar / NSIC Registration Certification along with your offer.
13. If any bidder submits forged / false document along with the tender, offer of such vendors will be summarily rejected and such bidders will be blacklisted for all future tenders.
14. Wherever samples are required to be submitted along with the quotation, offer without sample will not be considered.


[Purchase & Stores Officer]

SPECIAL TERMS AND CONDITIONS FOR SUBMITTING TWO PART BID

1. This is a two part tender viz., Techno-Commercial Bid (consisting of Technical Specifications, Commercial terms & condition etc.) and Price Bid. Hence, quotation should be submitted in separate sealed covers superscribing "Tender No. **GIRS-2017-00 0016-01/PT -01/17-18, Due on 16/05/2017 at 14.00 hrs** (Techno-Commercial Bid) and Tender No. **GIRS-2017-00 0016-01/PT -01/17-18, Due on 16/05/2017 at 14.00 hrs** (Price Bid).
2. Both the sealed tenders (Techno commercial & Price bid) should be kept in one big cover super scribing TENDER for **Wireless Connectivity at IIRS Campus** against Enquiry No. **GIRS-2017-00 0016-01/PT -01/17-18, Due on 16/05/2017 at 14.00 hrs** and put in the Tender Box available in Purchase Division, IIRS or send by post or Courier within the due date and time prescribed.
3. Only Techno-Commercial bid will be opened on the date of tender opening. The price Bids of those tenderers whose Techno-Commercial Bids are found to be meeting our specifications / requirements will be opened. The bidders are allowed to attend the tender opening on the date and time of opening.
4. The Techno-Commercial Bid should have technical & commercial details only. No price should be quoted in the Techno-Commercial Bid.
5. Tender form can be purchased from Purchase & Sores Section, IIRS, Dehradun on all working days on payment of Rs. 573/- (Rs.500 + VAT @14.5%) drawn in the form of Demand Draft in favour of Pay & Accounts Officer, IIRS payable at Dehradun through a request or Tenderer can download the tender documents from the website (www.iirs.gov.in). When tender form is downloaded, DD for Rs 573/- drawn in favour of Pay & Accounts Officer, IIRS payable at Dehradun shall be attached along with the technical bid.
6. Late and Delayed Tenders will not be considered. Therefore, please ensure that your tender is posted well in time to reach us before the due date and time.
7. Fax/Email offers shall not be considered
8. All the pages of your offer should be signed/initialed by competent authority and affixed with your company's Seal.
9. **EMD of Rs. 50,000/-** to be submitted along with the quotation in the form of Crossed Demand Draft drawn on any Nationalized / scheduled bank in favour of Pay & Accounts Officer, IIRS, payable at Dehradun. Quotation received without EMD will not be considered. The EMD of unsuccessful bidder will be returned after finalization of order.
10. **Bid Opening and Evaluation** : Comparative evaluation of the technical specifications will be done on the basis of technical tender submitted by the vendors. The vendor has to specifically mention the OEM, make and model number of the quoted product (software and hardware) very clearly in technical bid and data sheet/technical document from OEM needs to be attached. The final selection of the vendors will be on the basis of vendor compliance with bidding terms, relevant documents submitted and preparedness of vendors to establish/augment required IT infrastructure of IIRS as well as successful case study of similar projects etc. IIRS reserves the right to accept or reject any or all bids without assigning any reasons. Vendor may be excluded from further consideration for failure to fully comply with the specifications mentioned in this section. IIRS, is under no obligation to acquire any or all of the solutions proposed, or to explain why any proposal is accepted or rejected. All supporting document submitted by the vendor in response to this tender shall become the property of IIRS.



[Purchase & Stores Officer]

Sr No	Technical Specification	Compliance	Documentary Proof at Page No
	Wireless Components Specs	Yes/No	
A	Wireless Controller Specs		
1	Must be compliant with CAPWAP or equivalent for controller-based WLANs.		
2	WLAN Management Device must be Software controller/hardware controller/private cloud controller and should support upto 1000 Access Points and should have all Licenses and equipment to support 100 Access Points from Day 1		
3	Controller must be work on Distributed Network base and in case of centralised network it should be non-blocking		
4	Controller must Auto approve APs across Network		
5	Controller must support auto AP discovery and provisioning and auto IP assignment.		
6	AP Cluster Management		
7	Device must have AP status and wireless client monitoring.		
8	Device must have option of live Visual Topology view, floor plan view and MAP view.		
9	Device have option of wireless traffic and usages statistics for monitoring.		
10	Device have option for AP Radio settings, device name editing and remote rebooting.		
11	Device should support fast roaming, fast handover, traffic shaping and band steering		
12	Device should have option of Guest Networks and client limiting per AP.		
13	Device must have minimum 8 SSID for VLANs.		
14	Shall provide Min 22 dBm Radio output power for both Radio's. Device antenna gain must be at least 3dBi. (max power should not exceed Govt of India WPC norms)		
15	Device should support CoS based on 802.1p priority, physical port, DHCP and 802.1X port based Access control.		
16	Device should support Access control list and Attack prevention.		
17	Device Should support Secure control messaging and SSL certificate.		
18	Wireless Security (WEP, WPA / WPA2, Enterprise, WPA-PSK / WPA2-PSK)		
19	Must be able to set a maximum per-user bandwidth limit on a per-SSID basis.		
20	Must support user load balancing across Access Points.		
21	Device should support Bulk Firmware upgrade.		
22	Device should support Unified configuration import and export.		
23	Device should support intelligent diagnostics.		
24	Device should support WEB User Interface Support non IE Browsers as Chrome, safari and firefox		
25	Device should support separate Guest SSID with Captive Portal facility		
26	Security mechanisms should be in place to protect the communication between the Access Point controller and the Access Points.		
27	Since the WLAN network will be using an unlicensed band the solution should have mechanisms that reduce the impact of interference generated by other radio equipment operating in the same band. Describe techniques supported.		
28	Device must support IPV4 and IPV6		
B	Specifications for Indoor Access Points		
1	Dual Band Wireless Managed Indoor Access Point Must Have Gigabit LAN port with 802.3af/at PoE Power Support.		
2	Access Points proposed must include radios for both 2.4 GHz and 5 GHz.		

3	Must include dual band MIMO antennas to support both the 2.4GHz and 5GHz operations simultaneously.		
4	Mounting kit should be standard which shall be used for mounting access point without additional cost		
5	Access Point Should Be 802.11 a/b/g/n/ac		
6	Must support 2x2 multiple-input multiple-output (MIMO) with two spatial streams		
7	Must support simultaneous 802.11n, 300 Mbps speed on both the 2.4 GHz and 5 GHz radios.		
8	The APs should support the 802.11a, 802.11b, 802.11g and 11n and ac standards. It should also support 802.11ac standard in the 5 GHz band.		
9	Device should Support fast roaming and fast handover option.		
10	Device should support Client limits per AP and band steering.		
11	Guest Network and Client Status supported.		
12	WEP/WPA/WPA2 Wireless encryption support.		
13	MAC Address filtering and client isolation support.		
14	Effective and flexible bandwidth management support		
15	Must support Controller-based or standalone(autonomous) deployments		
16	Device must support IPV4 and IPV6		
17	The access point should support 802.1q VLAN tagging		
18	Must support minimum 8 WLANs per AP for SSID deployment flexibility.		
19	Must support telnet/SSH/HTTP/SNMP/CLI		
20	shall have the support of 802.11e and WMM		
21	Simultaneous client supports on both dual band radio is essential.		
22	Should support Email alerts and syslog		
23	Support for Min 30 to 40 clients per AP is required		
24	Device should be support separate SSID for each band for Guest purpose with different subnet IP facility.		
25	Device should be ceiling or wall mount with Kensington security lock option.		
26	Device should support separate Guest SSID without controller		
27	Guest SSID should incl DHCP server, which can allot different subnet IP for Guest Client.		
28	AP must have dual polarization with MRC to deliver better performance in a mobile device environment.		
29	Should be plenum rated (UL2043) and comply to RoHS. WiFi alliance certification and WPC ETA certification should be submitted with bid.		
30	Should support the operating temp 0° to 45° C and Humidity: up to 90% non-condensing.		
Client Management			
1	The solution should provide a Guest Login portal (Customisable with organisations logo, message etc.) in order to authenticate users that are not part of the organization.		
2	The solution should be able to provide a web-based application that allows non-technical staff to create Guest accounts with validity for fixed duration like hours or days.		
3	System should be able to send password direct through Email and SMS to the user.		
4	System should be able to generate one click password for single user, multiple users or single user multiple devices.		
5	System should support internal and External Database for user authentication.		

Annexure IV to Tender No. GIRS-2017000016 01/PT-01/17-18:

Scope of Work:

S. No.	Scope	Willingness (Y/N)
1.	All the installation and commissioning should be carried out by OEM certified engineer with experience in carrying out such installation	
2.	The log file backup and restore from the existing sever should be demonstrated.	
3.	Full installation, configuration and operationalization of the system is in the scope of work of this tender.	
4.	Any additional cables, hardware, Software and License for integration as mentioned above will be provided by the bidder and should be mentioned in the tender along with the proposed Bill of Material. It is sole responsibility of the bidder to make this project operational. Bidders can the visit the site to assess the exact requirement before quoting.	
5.	Provisioning of automatic log generation and backing it up at a remote location (location will be provided by IIRS) should be done by the solution provider. The same should be demonstrated to the IIRS contact person also.	
6.	After installation it is required to submit an installation document consisting: <ul style="list-style-type: none">• All configuration details• A map depicting the location of all the Access Points (AP) along with the route from controller.• A short document on knowhow of extending the Aps• Problem resolution matrix• Local support information	

Please Note:

- The network cabling and installation of required network switches will be carried out by IIRS.
- The vendors are expected to provide power connectivity through POE injector as mentioned in the tender.
- Supply and installation of POE switch is not in the scope of this tender.



[Purchase & Stores Officer]

Annexure V to Tender No. GIRS-2017000016 01/PT-01/17-18
Technical Terms & conditions:

S. No	Description	Compliance (Y/N)
1.	All Wi-Fi components should be from single Original Equipment Manufacturer (OEM).	
2.	OEM should be in Wi-Fi business for at least 5 years and should be present in India for minimum 5 years.	
3.	OEM should have minimum 1 deployments with minimum 200 AP's deployed with Controller based Solution. Customer Reference may be provided if required.	
4.	The System Integrator/OEM must have executed system integration of similar or better.	
5.	The bidder must be either OEM who is willing to undertake total scope of work or an authorized system integrator (SI) of the OEM	
6.	The bidder/OEM should have at such system configuration & installation experience in India. Bidder to produce evidence of at least 2 installations such system installations in India with similar or better configuration.	
7.	The system integrator must enclose authorization certificates specific to this enquiry from each of the OEMs whose equipment forms part of the offered solution.	
8.	For any third-party items for which the system integrator may quote, a back to back arrangement with the respective OEM must be in place and evidence for the same must be submitted along with quote.	
9.	The systems offered must be latest products from the manufacturers. Obsolete/ retired/ on the verge of obsolescence systems/ subsystems must not be offered. Products going end-of-life in 36 months from last date of tender must not be quoted	
10.	The bidder must submit the offer as a two-part bid. In the technical bid, the list of deliverables must be clearly specified. Unpriced commercial bid (template) must also be submitted in the technical bid	
11.	The price details of each hardware & software item (optional or otherwise) must be provided separately	
12.	The software licensing, if any, must be clearly and unambiguously stated and accordingly quoted separately with per unit license cost information	
13.	The project/ activity must be completed on turnkey basis, integrating both hardware, system software and application software by a single vendor/ system integrator	
14.	Complete technical information of the solution (hardware, software, network, etc.) must be provided for each item separately to ensure that the equipment offered is in conformity with the specifications	
15.	The vendor must submit technical compliance report for all the specifications. It should contain for each specification the compliance status, remarks, supporting document reference stating the compliance clearly	
16.	Compliance status must also be provided for all non-technical specifications/ clauses including those under 'terms & conditions'	
17.	Any item not specifically mentioned in the specs but is required for successful implementation of the solution (in the opinion of the vendor) must be brought out and quoted accordingly	
18.	At the time of installation, if it is found that some additional hardware or software items are required to meet the operational requirement of the configuration, but not included in the vendor's original list of deliverables, the vendor shall supply such items to ensure the completeness of the configuration at no extra cost to IIRS	
19.	Incomplete and ambiguous tenders are liable to be rejected. Amendments and additions to tender after opening of bids are liable to be ignored	
20.	First year AMC support and three years warranty on all items should be at no cost to IIRS	
21.	An optional quote for the AMC of additional four years at the end of first year need to be provided as an optional item.	

[Purchase & Stores Officer]

Bill of Materials /Deliverables – Template**Note:**

- A. This template contains only list of items forming the BOM. This may not be exhaustive and the supplier should ensure that all deliverables (priced/free) are included in the BOM. The actual quantities and component to be worked out by the supplier based on the RFP and Technical Requirements.
- B. The supplier should clearly indicate the make/model No., part no., description, and unit price for each and every part/module/component of every equipment/item forming part of the proposed solution.
- C. IIRS/ISRO has full right to vary the quantity of any item as per actual requirements during purchase process.
- D. Vendor should include separately labour cost for all the installations.

Give Part no. /details and price breakup for every item/modules

S.N o	Specification	Qty	Unit Price	Total Price	Make/ Model/ Part Number	Expect ed End of Life	Product inception / Release Date
1.	Wireless management System hardware/software						
2.	Access Point with management license and mounting kit.						
3.	Training, Installation , Integration with IIRS LAN and Firewall						
4.	Customized user and log management software						
5.	POE injector						
6.	Rack and other Accessories						
7.	Warranty of three years and AMC support for first year						
8.	Optional Item: Additional AMC support of four years at the end of first year on annual basis						

Note: The above sheet have to be filled for both technical as well as commercial bids. In case of technical bill the above BOM have to be filled without any mention of price (Leave the price columns blank).

[Purchase & Stores Officer]