



भारत सरकार, अंतरिक्ष विभाग/ Government of India, Department of Space
 भारतीय अंतरिक्ष अनुसंधान संगठन / Indian Space Research Organisation
 भारतीय सुदूर संवेदन संस्थान/ Indian Institute of Remote Sensing
 4- कालिदास रोड, देहरादून/ 4- Kalidas Road, Dehradun
 उत्तराखण्ड- 248001/ Uttarakhand- 248001
 फोन/ Phone: 0135-252-4317/4318 फैक्स/ Fax: 0135- 2748041
 ई मेल/ Email: pns@iirs.gov.in



निविदा आमंत्रण सूचना/Notice Inviting Tender

भारत के राष्ट्रपति की ओर से भारतीय सुदूर संवेदन संस्थान देहरादून द्वारा निम्नलिखित निविदा के लिए मोहरबंद बोलियाँ आमंत्रित की जाती हैं:
 On behalf of President of India, Indian Institute of Remote Sensing, Dehradun invites sealed quotations for the following:

क्र. सं./ Sl. No.	निविदा सं./Tender No	विवरण/ Description	मात्रा/ Qty.
1.	GIRS 2020000160-01 (दो भाग निविदा/ Two Part Tender)	सप्लाई ऑफ टोटल स्टेशन (मैकेनिकल/मैनुअल)/Supply of Total Station Mechanical/Manual	01 सं. / No.
		सप्लाई ऑफ टोटल स्टेशन रोबोटिक/Supply of Total Station Robotic	01 सं. / No
निविदा शुल्क/Tender Fee		Rs. 590/-	
निविदा प्रारूप जारी करने की तिथि/ Starting date for issue of Tender Forms		12.01.2021 को 1200 बजे से/ From 12.01.2021, 1200 hours onwards.	
पूर्व निविदा बैठक/ Pre-Bid Meeting		इच्छुक निविदाकर्ताओं को 22/01/2021 को 1500 बजे पूर्व- निविदा बैठक (ऑनलाइन रूप में) में भाग लेने हेतु आमंत्रित किया जाता है/ Interested tenderers are invited to attend an pre-bid meeting (online mode) on 22/01/2021 at 1500 hours	
निविदा प्रारूप जारी करने की अंतिम तिथि/ Last date for issue of Tender Forms		10.02.2021 को 1700 बजे तक/ On 10.02.2021 upto 1700 Hours.	
निविदा स्वीकृति की नियत तिथि/ Due date for Receipt of Tender		11.02.2021 को 1700 बजे तक/ On 11.02.2021 upto 1700 Hours.	
तकनीकी- व्यावसायिक बोली खोलने की तिथि/ Date of Opening of Technical Bids		12.02.2021 को 1500 बजे/ On 12.02.2021 at 1500 Hours.	

निविदा प्रपत्र किसी भी अनुसूचित बैंक से देहरादून में भुगतान योग्य, वेतन एवं लेखा अधिकारी, भा.सु.सं.सं. के पक्ष में जारी रु०590/- का डी.डी. जमा कर के क्रय एवं भण्डार अनुभाग, भा.सु.सं.सं. से किसी भी कार्य दिवस में प्राप्त किया जा सकता है अथवा सी.पी.पी. पोर्टल (भारत सरकार के केन्द्रीय सार्वजनिक खरीद पोर्टल) <https://eprocure.gov.in/epublish/app> या भा.सु.सं.सं. की वेबसाइट <https://iirs.gov.in/tendersdis> या इसरो की वेबसाइट <https://www.isro.gov.in/tenders> से डाउनलोड किया जा सकता है। यदि निविदा दस्तावेज़ वेबसाइट से डाउनलोड किया हो तो रु०590/- का डी. डी. जो की वेतन एवं लेखा अधिकारी, भा.सु.सं.सं. के पक्ष में देय हो, तकनीकी- व्यावसायिक बोली के साथ अवश्य संलग्न करें।

Tender forms can be purchased from Purchase & Stores Section IIRS, Dehradun on all working days on payment of Rupees 590/- in the form of Demand Draft drawn in favour of Pay & Accounts Officer, IIRS Dehradun payable at Dehradun or can be downloaded from CPP Portal (Central Public Procurement Portal of Government of India) <https://eprocure.gov.in/epublish/app> or IIRS Website <https://iirs.gov.in/tendersdis> or ISRO Website <https://www.isro.gov.in/tenders>. When tender forms are downloaded, Demand Draft for Rupees 590/- drawn in favor of Pay & Accounts Officer, IIRS payable at Dehradun shall be attached with Techno-commercial Bid.

निदेशक/Director

भारत सरकार
अंतरिक्ष विभाग (अं.वि.)

क्रय एवं भंडार

इसरो IIRS

GOVERNMENT OF INDIA
DEPARTMENT OF SPACE (DOS)
INDIAN INSTITUTE OF REMOTE SENSING
DEHRADUN

IIRS

Ph No. 0135 - 2524317, 4318 Fax. 0135 - 2524317
e-mail :PNS@IIRS.GOV.IN

निविदा आमंत्रण
INVITATION TO TENDER

मैसर्स
M/s

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हमारी संदर्भ सं

Our Ref. No.

GIRS 2020-000160-01

निविदा अंतिम तिथि

Tender Due at 17:00 hrs IST on 11/02/2021

महोदय

Dear Sirs,

कृपया निम्नलिखित मदों की आपूर्ति के लिए अनुलग्नक (फार्म सं. संलग्न) में उल्लिखित निबंधन एवं शर्तों के अनुसार संलग्न निविदा प्रपत्र में वर्णनात्मक सूचीपत्र/पैम्फलेट/साहित्य सहित हमारी संदर्भ सं. एवं अंतिम तिथि (मोटे अक्षरों में) ऊपर लिखते हुए अपनी मुहरबंद निविदा प्रस्तुत करें।

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. null)

क्र.सं. Sl. No.	विनिर्देशों सहित मद का विवरण Description of items with Specifications	इकाई Unit	मात्रा Quantity
1	Supply of Total Station (Mechanical/Manual). Specification are as per Annexure 1	No.	1
2	Supply of Total Station (Robotic). Specification as per Annexure 2.	No.	1

सुपुर्दगी स्थल

Delivery At

IIRS, DEHRADUN

प्रेषण की विधि

Mode of Despatch

DOOR DLVRY

शुल्क छूट

Duty Exemptions

विशेष अनुदेश

Special Instructions NIL

विशेष निबंधन

Specific Terms

निविदाकारों को अनुदेश

Instructions to Tenderers

(1) Specific terms and conditions to the tender are as per Annexure-3.

R

VIVEK ASHISH

PURS. & STORES OFFICER

भारत के राष्ट्रपति के लिए एवं ओर से
For and on behalf of the President of India

क्रेता / The Purchaser

विवेक आशीष / Vivek Ashish

क्रय एवं भंडार अधिकारी / Purchase & Stores Officer
भारतीय अंतरिक्ष अनुसंधान संगठन / Indian Institute of Remote Sensing
भारतीय अंतरिक्ष अनुसंधान संगठन / Indian Space Research Organisation
प्लॉट नं. 10/1, 10/2, 10/3, 10/4, 10/5, 10/6, 10/7, 10/8, 10/9, 10/10, 10/11, 10/12, 10/13, 10/14, 10/15, 10/16, 10/17, 10/18, 10/19, 10/20, 10/21, 10/22, 10/23, 10/24, 10/25, 10/26, 10/27, 10/28, 10/29, 10/30, 10/31, 10/32, 10/33, 10/34, 10/35, 10/36, 10/37, 10/38, 10/39, 10/40, 10/41, 10/42, 10/43, 10/44, 10/45, 10/46, 10/47, 10/48, 10/49, 10/50, 10/51, 10/52, 10/53, 10/54, 10/55, 10/56, 10/57, 10/58, 10/59, 10/60, 10/61, 10/62, 10/63, 10/64, 10/65, 10/66, 10/67, 10/68, 10/69, 10/70, 10/71, 10/72, 10/73, 10/74, 10/75, 10/76, 10/77, 10/78, 10/79, 10/80, 10/81, 10/82, 10/83, 10/84, 10/85, 10/86, 10/87, 10/88, 10/89, 10/90, 10/91, 10/92, 10/93, 10/94, 10/95, 10/96, 10/97, 10/98, 10/99, 10/100, 10/101, 10/102, 10/103, 10/104, 10/105, 10/106, 10/107, 10/108, 10/109, 10/110, 10/111, 10/112, 10/113, 10/114, 10/115, 10/116, 10/117, 10/118, 10/119, 10/120, 10/121, 10/122, 10/123, 10/124, 10/125, 10/126, 10/127, 10/128, 10/129, 10/130, 10/131, 10/132, 10/133, 10/134, 10/135, 10/136, 10/137, 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Technical Specifications1) Mechanical / Manual Total Station

Sl.No.	Features	Specifications
1.	Angle Measurement Accuracy Hz & V	1"(one-second)
2.	Distance Measurement	
	Range (Single Prism)	3500 m or more
	Reflector less	500 m or more
	Accuracy Single Prism	2 mm + 2 ppm or better
	Accuracy at reflector less surface	4 mm + 2 ppm or better
3.	Telescope	Magnification $\geq 30\times$
4.	Display & Keyboards	2 side display with full functional keys Resolution : 320 x 240 pixels or more
5.	Power	Re-chargeable Lithium Ion battery with charger, one additional set of battery. Operating Time : 12 hours or more Charging Hours : 06 hours or less
6.	Data Storage	Flash / Internal memory : 2 GB or more USB port & 2 USB drive 32 GB or higher
7.	Processor	Operating System : Windows EC7.0 or better/functional equivalent Android
8.	Interfaces	USB & Bluetooth
9.	Plummet	a) If inbuilt tribrach is laser based then also quote for optical plummet tribrach as optional. OR b) If inbuilt tribrach is optical plummet based then also quote laser based plummet as optional.
10.	Environmental Conditions	Operating temperature range : -20 deg to +50 deg Dust and water protection : IP55 or better
11.	Weight (main unit plus battery)	6 kg or less
12.	Technical demonstration in IIRS campus is part of technical specification and qualification of quoted Total Station model.	
13.	Provide all the necessary carrying cases, cables and other accessories for proper functioning of the quoted total station.	
14.	Associated softwares for data collection with prism and reflector less surface to be provided with all updates during warranty time period	
15.	This has to be floated as two part bid.	
16.	Quote tripod separately.	
17.	Three days in-campus training.	
18.	One year warranty.	
19.	Three years extended warranty to quote separately.	
20.	Provide separate quotation (technical specification and cost) for mechanical / manual total station.	

2) Robotic Total Station

Sl.No.	Features	Specifications
1.	Angle Measurement Accuracy Hz & V	1" (one second)
2.	Distance Measurement	
	Range (Single Prism)	3000 m or more
	Reflector less	500 m or more
	Accuracy Single Prism	1 mm + 2 ppm
	Accuracy at reflector less surface	5 mm + 2 ppm
3.	Automatic Target Range/ Robotic range	360 degree prism : 500 m or more
4.	Display & Keyboards	Single side display with full functional keys
5.	Power	Rechargeable Lithium Ion battery or equivalent with charger, one additional set of battery. Operating time: 06 hours working or more External Power Supply
6.	Data Storage	Flash / Internal memory – 2 GB USB Port & 2 USB drive 32 GB or higher
7.	Processor / Main Unit	Operating System: Windows EC7.0 or higher/functionally equivalent Android, ability to support the full functionality related to survey; like point, line, polygon & its length & area measurements. Import and export data, export of data in Dxf, 3D shape DWG etc. formats.
8.	Telescope	Magnification ≥ 30X
9.	Interfaces	USB & Bluetooth
	Total Station weight including Battery	6.5 kg or less
	Environmental Conditions	Operating temperature range : -20 deg to +50 deg Dust and water protection : IP65 or better
	Controller	Operating System : Windows EC 7.0 or higher functionally equivalents Android Memory(RAM): 2GB or more Internal Storage: 3GB or more Screen Size: 5 inch or more and daylight readable coloured screen, Lithium Ion Battery or equivalent to work for 6 hours or more, one Additional set of battery Dust/Water Resistance : IP55 or better Rugged and shock resistant Operating Temperature : -20 deg to + 50 deg Keyboard : QWERTY Camera: 5MP or more Connectivity: Bluetooth, USB, Controller to be integrated with RTS/ATS Weight (including battery) : <1.5 kg
10.	Plummet	a) If inbuilt tribrach is laser based then also quote for optical plummet tribrach as optional. OR b) If inbuilt tribrach is optical plummet based then also quote laser based plummet as optional.
11.	Total Station should have motorized as well as robotic working capability.	

12.	Technical demonstration in IIRS campus is part of technical specification of quoted Robotic Total Station model and controller.
13.	Provide all the necessary carrying cases, cables and other accessories for proper functioning of the quoted total station.
14.	Associated softwares for data collection with prism and reflector less surface. All updates are to be provided free of cost during warranty period
15.	This has to be floated as two part bid.
16.	Quote tripod separately.
17.	Three days in-campus training.
18.	One year warranty.
19.	Three years extended warranty to quote separately.
20.	Provide separate quotation (technical specification and cost) for Robotic total station.

Annexure-3

Specific terms and conditions to the tender

1. This is a two-part bid tender viz., Techno-Commercial Bid (consisting of Technical Specifications, Commercial terms & conditions etc.) and Price Bid. Both Techno-commercial bid & price bid shall be submitted in separate sealed covers super-scribing "Tender No. GIRS 2020000160-01, Due on 11/02/2021 at 17:00 Hrs. (Techno-Commercial Bid)" and "Tender No. GIRS 2020000160-01, Due on 11/02/2021 at 17:00 Hrs. (Price Bid)".
2. Both the sealed tenders (Techno commercial & Price bid) should be kept in one big cover super scribing Tender for Supply of Total Station (Mechanical/Manual) & Supply of Total Station (robotics) support against Enquiry No. GIRS 2020000160-01, Due on 11/02/2021 at 17:00 Hrs and put in the Tender box available at Security Check Post IIRS, or send by post or courier within the due date & time prescribed.
3. The Techno Commercial Bid should clearly indicate the technical details, scope of supply, payment terms, delivery terms, delivery period, taxes and duties, warranty, guarantee, security deposit, performance bank guarantee etc. under separate heads. Please note that the price should NOT be indicated in the Techno-Commercial Bid.
4. Tender forms can be purchased from Purchase & Stores Section, IIRS Dehradun on all working days on payment of Rs. 590/- in the form DD drawn in favor of Pay & Account Officer, IIRS Dehradun payable at Dehradun or can be downloaded from www.iirs.gov.in. When tender forms are downloaded, DD for Rs. 560/- drawn in favor of Pay & Account Officer, IIRS Dehradun shall be attached with Technical Bid. In order to avail of the benefits extended 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 / UdyogAdhar / NSIC Registration Certification along with your offer. As per Public Procurement Policy for MSEs, it is meant for procurement of only goods produced and services rendered by MSEs and not for any trading activities by them. Firms registered as MSE/MSME/PSU are exempted for submitting the Tender Fee.
5. Only Techno-Commercial bid will be opened on the date of tender opening. The price Bids of those tenders 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.
6. Late & 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. E-mail/Fax quotation" WILL NOT BE ACCEPTED"
8. All the pages of your offer should be signed by competent authority and affixed with your company's seal.
9. EMD/Bid Security: Bid Security Declaration shall be submitted by the bidder in lieu of submitting EMD amount (Annexure-4).
10. CLARIFICATION OF TENDER DOCUMENT, PRE BID MEETING:
 - I. A tenderer requiring any clarification of this document shall contact the P&SO, IIRS in writing on the letter head signed by company's authorized signatory and attached as scanned copy at the email address (or hand delivered at IIRS security) mentioned in this document or raise enquiries during the online pre-Bid meeting.
 - II. The tenderer's designated authorized representative is invited to attend an online pre-Bid meeting on 22/01/2021 at 1500hrs. The purpose of the meeting is to clarify issues regarding the specification and other

associated technical details of the subject procurement. The mode and medium of the meeting shall be communicated to interested tenderers on requests received later.

- III. The tenderer shall submit questions, if any, in writing, to reach the P&SO, IIRS email address mentioned in this document, not later than 1 day before the date of the Pre-Bid meeting.
 - IV. Non-attendance at the pre-Bid meeting will not be a cause for disqualification of a tenderer.
11. Please submit the Technical Details / Catalogue / Make/ Model/Data Sheets.
 12. The offer should be valid for a period of 90 days from the date of opening of Tender. Offer should be duly signed & stamped by competent authority.
 13. Please quote the percentage of GST applicable. IIRS is eligible to provide IGST and GST Certificates for Concessional GST rate @5% under Ministry of Finance, Dept. of Revenue Notification No. 47/2017 – Integrated Tax (Rate) dated 14/11/2017, 45/2017- Central Tax (rate) dated 14/11/2017 and Gov. of Uttarakhand, Finance section-8, Notification No. 973/2017/9/(120)/IXXVII(8)/2017 dated 23/11/2017 as applicable.
 14. In case “NIL” charges are quoted against the required items, the bid shall be treated as unresponsive and will not be considered.
 15. The Delivery Period shall be mentioned in the bid without fail.
 16. 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.
 17. We are exempted from the payment of Customs Duty vide Notification No.51/96 Customs dated July 23, 1996 amended vide Notification No.24/2007 CUSTOMS dated March 1, 2007 by Ministry of Finance, Department of Revenue and necessary exemption certificate shall be issued upon request. Bid should clearly indicate the quoted prices with CDEC Exemption, if so.
 18. **Payment Term:** Payment will be made within 30 days from the date of receipt and acceptance of the item at our site for order value upto- 2.00Lakhs. For order value above 2.0 Lakh, 97% payment will be made within 30 days and 03% against submission of Performance Bank Guarantee for the warranty period (wherever warranty is applicable). The Performance Bank Guarantee should be valid for a period of 2 months beyond the completion of the warranty period.
 19. For foreign orders our Standard Payment Term is Sight Draft.
 20. **Fall Clause:** The maintenance charges shall in no event exceed the lowest charges at which you service machines of identical description to any other party during the currency of this contract. If at any time, during the said period, you reduce the service charges of such system to any other customer, it shall be forthwith notified to us and the charges payable under the contract for servicing done after the date of coming into force of such reduction of service charges, shall stand correspondingly reduced.
 21. **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 or part thereof 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.
 22. 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 / UdyogAdhar / NSIC Registration Certification along with your offer. As per Public Procurement Policy for MSEs, it is meant for procurement of only goods produced and services rendered by MSEs and not for any trading activities by them.
 23. 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.
 24. Wherever samples are required to be submitted along with the quotation, offer without sample will not be considered.

**PROFORMA FOR
INDEMNITY BOND FOR BID SECURITY(EMD)**

(On non-judicial stamp paper of appropriate value)

THIS deed of Indemnity made on this the (day, month & year) between the President of India (hereinafter called the "Purchaser") acting through the Director, Indian Institute of Remote Sensing, 4, Kalidas Road, Dehradun, Uttarakhand-248001 of the first part and M/s.....(name & address of the Bidder), a firm registered under the Companies Act and having its Registered Office at (hereinafter called the "Bidder") of the second part.

02. WHEREAS the Purchaser has tender the requirements against Tender Enquiry No. dated on the "Bidder" for ensuring the earnestness of the vendor in the participation of the procurement process on the terms and conditions mentioned in the Tender Enquiry.

03. AND WHEREAS the "Bidder" as per the terms and conditions of the Tender aforesaid has to execute an Indemnity Bond in placed of Earnest Money Deposit i.e bid security provided by tenderers for securing the fulfilment of any obligation in terms of the provisions of the tender documents and it is declared that:

- (a) If a Bidder withdraws the proposal or increase the quoted prices after opening of the proposal and during the period of Bid validity period or its extended period, if any.
- (b) In case of successful Bidder, if the Bidder fails to sign the Agreement or fail to execute the Purchase Order in accordance with the terms and conditions (including timeliness for execution of the Agreement) of this tender or fails to furnish the Security Deposit viz BG, PBG etc. in accordance with the terms and conditions (including timeliness for furnishing the security deposit) of the Purchase Order.
- (c) During the Bid process, if a Bidder indulges in any act as would jeopardize or unnecessarily delay the process of bid evaluation and finalization. Bidder understand that this declaration shall expire if Bidder are not the successful Bidder and on receipt of purchaser's notification of the award to another Bidder; or thirty days after the validity of the Bid; whichever is earlier.
- (d) We understand this Bid-Securing Declaration shall expire of we are not the successful Bidder, upon the earlier of (i) our receipt of your notification to us of the name of the successful Bidder; or (ii) twenty-eight days after the expiration of our Bid.

04. NOW this deed witnesses that in pursuance of the above, the Bidder hereby agrees to indemnify the Purchaser and at all times to hold himself liable for all the losses or damages caused to or suffered or would be caused to or suffered by the Purchaser by reason of any breach by the said Bidder of the terms and conditions of the Tender/order aforesaid or from whatever causes or losses, interest, charges and incurred by the said Purchaser on account of the non-delivery of the supplies or full execution of the order aforesaid;

05. It is agreed by the Contractor, in terms of this Indemnity Bond, that the decision of the Director, Indian Institute of Remote Sensing, in case of any dispute, will be binding on the Contractor.

06. This Bond and the trust hereby created shall remain valid and binding on the Bidder during the procurement process of this Bond. The Purchaser reserves the right to further extend the period of the Bond till the tender is finalized or purchase order is executed to supply the item, under the terms and conditions of the aforesaid tender/Order.

07. It has been mutually agreed that the stamp duty on this deed of Indemnity Bond shall be borne by the Contractor.

08. In witness whereof the parties hereunto have set their hands to this Deed on the day and year herein above mentioned.

09. A declaration on the Company Letter Head that the individual representing the Bidder is authorised to sign this document is also attached with this Indemnity Bond.

For and on behalf of the BIDDER

Name and designation & seal

Witness No. 1 :

Witness No. 2 :

For and on behalf of the PURCHASER
Name and designation & seal

Witness No. 1 :

Witness No. 2 :

Name and designation of
Authorized Attorney with seal