

**GOVERNMENT OF INDIA  
DEPARTMENT OF SPACE  
INDIAN INSTITUTE OF REMOTE SENSING  
IIRS  
DEHRADUN  
PURCHASE & STORES  
INVITATION TO TENDER**

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Date : 17/07/2018

M/s

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Our Ref No : GIRS 2018-000075-01

Tender Due: 14:00 Hrs ISTon 06/08/2018

Opening : 15:00 Hrs ISTon 06/08/2018

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	Supply, Installation, Demonstration, Training of Lightweight VNIR handheld Spectro-radiometer along with accessories and software. Detailed specifications as per Annexure	No	1

**DELIVERY AT:** IIRS, DEHRADUN

**MODE OF DESPATCH** ON SITE

**DUTY EXEMPTIONS**

**SPECIAL INSTRUCTIONS**TWO PART

**SPECIFIC TERMS**



R.KALPANA

PURS. & STORES OFFICER

For and on behalf of the President of India  
The Purchaser

SPECIFICATION AND REQUIREMENTS SHEET FOR LIGHTWEIGHT VNIR HANDHELD SPECTRO-RADIOMETER WITH ACCESSORIES		
SL.NO	Description	Quantity Required
I	Supply, installation, demonstration & training of Lightweight VNIR handheld Spectro-radiometer along with accessories and software.	01 Set
<b>IMPORTANT INSTRUCTIONS</b>		
I	The handheld Spectro-radiometer along with all accessories, spares, software, etc shall be procured from a single source.	
II	Competitiveness of the Bidder would be evaluated based on the FOR Destination value of all the items taken together.	

SI. No.	Description	
1.	<b>Lightweight VNIR Handheld Spectro-radiometer with accessories specifications:</b>	
	Spectral range	within the range of 300-1100 nm (approx.)
	Spectral resolution	≤ 3 to 3.5 nm
	Bandwidth	≤ 1.5 nm
	Wavelength reproducibility	0.1 nm
	Narrow FOV lens Fore-optic & radiance measurement	1-4 deg
	Broad FOV lens Fore-optic & radiance measurement	25 deg
	Minimum integration time	≤ 10 ms
	Operating temperature	0 °C to +50 °C (approx.)
	Laser pointer	For accurate target measurement
	Logging & controlling device	For displaying, logging and controlling spectral data- External Personal Digital Assistant
	Storage	Internal storage facility
	Battery	Rechargeable battery with charger
	Software	Spectral data collection, display and post processing software <ul style="list-style-type: none"> <li>• Data import &amp; export in ascii, text, .sli etc. format</li> <li>• Radiance to reflectance calculation etc.</li> <li>• Derivative analysis</li> </ul> Spectro-radiometer calibration details & procedure
	GPS receiver (inbuilt/external)	To record accurate positional info with time
	Light weight	<2.5 kg
	Spectralon	10" x 10" (Calibrated white reference panel with certificate & documentation) placed in foam based strong case/box
	Lab accessories	Lamp or illuminator
	Tripod	Tripod for Field or lab measurement

Note:

*R. Kalpana*

	<b>Accessories for contact measurement</b>	Contact probe, leaf clip with battery & power cable etc.
	<b>Fibre-optic cable</b>	1-2 m long
2.	<b>Training</b>	Supplier should provide training at IIRS/ISRO Dehradun for one week on all facilities of both hardware and software
3.	<b>Warranty</b>	One year comprehensive warranty and extended warranty for 1 more year + additional quote for 3 year extended warranty

**Note:**

- Vendor should quote the tender in two parts (technical and commercial) separately.
- The quotation should clearly mention all the details of components of instrument, software of controller and post processing software.
- The quotation should clearly mention all the accessories that will be supplied.
- Vendor should provide all user guide, quick start manual and troubleshooting & maintenance manual both in soft and hard copies.
- Software modules should be GUI based and should be supported by latest Microsoft windows operating system.
- Vendor must provide all details of preprocessing and post processing software along with the licensing policies.
- Vendor should provide a technical compliance sheet along with the quotation. Tenders without compliance sheet will not be considered.

**Deliverable:**

- The vendors should also provide the details of the documentation that will be supplied along with the system.

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**SPECIAL TERMS AND CONDITIONS FOR SUBMITTING TWO PART BID**

19. 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 super-scribing "**Tender No. GIRS 2018000076-01, Due on 06/08/2018 at 14:00 Hrs (Techno-Commercial Bid)**" and "**Tender No. GIRS 2018000076-01, Due on 06/08/2018 at 14:00 Hrs (Price Bid)**"
20. Both the sealed tenders (Techno commercial & Price bid) should be kept in one big cover super scribing **Tender for SITC of Lightweight VNIR handheld spectro-radiometer** against Enquiry No **GIRS 2018000076-01, Due on 06/08/2018 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.
21. 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
22. Tender forms can be purchased from Purchase & Store Section IIRS, Dehradun on all working days on payment of ₹ 560/- in the form of DD drawn in favor of Pay & Accounts Officer, IIRS Dehradun payable at Dehradun or can be downloaded from [www.iirs.gov.in](http://www.iirs.gov.in). When tender forms are downloaded, DD for ₹560/- drawn in favor of Pay & Accounts Officer, IIRS payable at Dehradun shall be attached with Technical Bid.
23. 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.
24. 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.
25. Fax/Email offers shall not be considered.
26. All the pages of your offer should be signed/initialed by competent authority and affixed with your company's Seal..
27. **EMD of ₹ 50,000/-** to be submitted along with the Technical Bid in the form of Crossed Demand Draft drawn on any Nationalized / scheduled bank in favor 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.



[Purchase & Stores Officer]

### Specific terms and conditions to the tender

1. Please submit the Technical Details / Catalogue / Make/ Model/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 the percentage of GST applicable.
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 Lump sum amount.
7. We are exempted from the payment of Customs Duty and necessary exemption certificate shall be issued upon request.
8. **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 up to 2.00Lakhs. For order value above 2.0 Lakh, 90% payment will be made within 30 days and 10% 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.
9. For foreign orders our Standard Payment Term is Sight Draft.
10. **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.
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 completion of all contractual obligations.
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.

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Purchase & Stores Officer