In continuation to Tender Notification No. GIDI 2017000018 01 & GIRS 2017000084 01 dated 15/06/2017 for Hiring of Photocopy Machine and Supply of Light weight & Portable trihedral corner reflectors, the last date for submission of bids has been extended upto 11th August, 2017. Accordingly, the time schedule for issue of tender documents/ due date for receipt of tender & Date of opening of technical bids are revised. For details, please log on to IIRS website www.iirs.gov.in.

Starting date for issue of Tender Forms : 11/07/2017
Last date of issue of Tender Forms : 11/08/2017 : 12.00 hrs
Due date for receipt of bids : 11/08/2017 : 14.00 hrs
Date of opening of Technical Bid : 11/08/2017 : 15.30 hrs

Tenderers are requested to note these changes and submit their offers accordingly. All other details as per the original tender notification remain unaltered.

निदेशक, भारत सेवा संस्थान
Director, IIRS
**Notice Inviting Tender**

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

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Tender No.</th>
<th>Description</th>
<th>Qty.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>GIDI 2017000018-01</td>
<td>Hiring of Photocopier Machine (Digital) (Detailed Specifications, Terms &amp; Conditions as per tender documents)</td>
<td>35 nos./01 Job.</td>
</tr>
<tr>
<td>2.</td>
<td>GIRS 2017000084-01</td>
<td>Supply of lightweight &amp; portable triformal corner reflectors (Detailed Specifications, Terms &amp; Conditions as per tender documents)</td>
<td>10 nos./10 Nos.</td>
</tr>
</tbody>
</table>

**Tender Fee**

For each Tender, Rs. 500 + 14.5% VAT = Rs. 573/-

**Important Dates**

- Starting date of issue of Tender Forms: 27-06-2017
- Last date for issue of Tender Forms: 06-08-2017
- Date of opening of Techno-commercial Bids: 06-08-2017

Tender forms can be purchased from Purchase & Stores Section, IIRS Dehradun on all working days on payment of Rs. 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 Rs. 573/- drawn in favour of Pay & Accounts officer, IIRS Payable at Dehradun shall be attached with tender document.

**Director**
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: ENCLOSED)

<table>
<thead>
<tr>
<th>S.No.</th>
<th>Description of Items with Specifications</th>
<th>Unit</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Supply of lightweight &amp; portable trihedral corner reflectors: 4 Trihedral corner reflectors (TCR) of 100cm inner leg dimension (size), 3 TCR of 150cm size and 3 TCR of 250cm size (Detailed Specifications, Terms &amp; Conditions as per annexure enclosed)</td>
<td>NOS.</td>
<td>10</td>
</tr>
</tbody>
</table>

DELIVERY AT: IIRS

MODE OF DESPATCH DOOR DLVRY

DUTY EXEMPTIONS

SPECIAL INSTRUCTIONS TWO PART TENDER

SPECIFIC TERMS ENCLOSED

ASHA CHANDRAN L
PURS. & STORES OFFICER
For and on behalf of the President of India
The Purchaser
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 Lumpsum 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 upto 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.
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 super-scribing "Tender No. GIRS-2017-00 0084-01/PT/17-18, Due on 11/08/2017 at 14.00 Hrs (Techno-Commercial Bid) and Tender No. GIRS-2017-00 0084-01/PT/17-18, Due on 11/08/2017 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 Supply of Light Weight & Portable Trihedral Corner Reflectors against Enquiry No. GIRS-2017-00 0084-01/PT/17-18, Due on 11/08/2017 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 & Stores Section, IIRS, Dehradun on all working days on payment of Rs. 573/- 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. 20,000/-** 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. For exemption from EMD necessary exemption certificate shall be provided along with technical bid.

[Signature]

[Purchase & Stores Officer]
Technical/Material Specification of Trihedral Corner Reflectors:

- Lightweight and portable
- Modularity (TCR components can be separated and recombined)
- Corner Reflectors should be quickly assembled with screws and lightweight.
- Material: Aluminium / Alucobond
- Trihedral corner reflectors of 2.5m size should be wind resistive (Figure 6 of Annexure 2)
- Reflector Should have 360-degree Azimuth rotation and 0 to 90-degree vertical movement (elevation/zenith) (Figures 1,2,3 and 4 of Annexure 2)
- All the corner reflectors should have drainage holes to prevent water accumulation due to rain (Figure 5 of Annexure 2)

Condition: The supplier have to provide at least one product before completing the entire order. If the product will not meet the qualitative requirement, then the order will be cancelled.
Design drawings of prototype of TCR with 100cm, 150cm and 250 cm inner leg dimension (size)

Detailed information may be obtained from (Garthwaite et al., 2015)

Design drawings of prototype 1.0 m/100cm TCR

Figure 1: Design drawings of prototype 1.0 m CR with ground mounting stand and pre-fabricated concrete slab. The CR is depicted with a baseplate elevation of zero degrees. Dimensions in millimetres.
Design drawings of prototype 1.5 m/150cm TCR

Figure 2: Design drawings of prototype 1.5 m CR with ground mounting stand and pre-fabricated concrete slab. The CR is depicted with a baseplate elevation of zero degrees. Dimensions in millimetres.

Design drawings of prototype 2.5 m/250cm TCR

Figure 3: Design drawings of prototype 2.5 m CR with ground mounting stand and pre-fabricated concrete slab. The CR is depicted with a baseplate elevation of zero degrees. Dimensions in millimetres. Source: (Garthwaite et al., 2015)
Trihedral Corner Reflector

Source: (Garthwaite et al., 2015)

Figure 4: TCR installed in field
Figure 5: To avoid water accumulation due to rain.

Source: (Garthwaite et al., 2015)
Figure 6: Detail of the equilateral triangular mesh perforation used for prototype mesh CR with annotated dimensions. This mesh has an open area of 15.7%. Source: (Garthwaite et al., 2015)