

भारत सरकार  
अंतरिक्ष विभाग  
सतीश धवन अंतरिक्ष केंद्र शार  
श्रीहरिकोटा रेंज डा.घ. 524 124  
श्री पोस्टि श्रीरामुलु नेल्लूर जिला, आं.प्र., भारत  
दूरभाष : +91-8623 245060 (6 जं)  
फैक्स : +91-8623 222099



सत्यमेव जयते

Government of India  
Department of Space  
Satish Dhawan Space Centre SHAR  
Shriharikota Range P.O. 524 124  
SPSR Nellore Dist., AP., India  
Telephone : +91-8623 245060 (6 Lines)  
Fax : +91-8623 222099

निविदा सूचना सं. NOTICE INVITING TENDER  
No. SDSC SHAR/Sr.HPS/PT/SOSE/08/2025-2026

भारत के राष्ट्रपति की ओर से वरि. प्रधान, क्रय एवं भंडार, सतीश धवन अंतरिक्ष केंद्र श्रीहरिकोटा निम्नलिखित वस्तुओं के लिए ऑनलाइन निविदाएं आमंत्रित करते हैं / On behalf of the President of India, Sr. Head, Purchase & Stores, SDSC SHAR, Sriharikota invites **online quotations** for the following:

क्र.सं. S/No	संदर्भ सं. Ref. No.	विवरण Description	मात्रा Qty.
01	SDSC SHAR/SOSE PURCHASE/ SOSE/2025000489 E-Procurement (Public Tender – Two Part basis)	Hydrazine (N2H4) single gas Monitoring Handheld Device Along with Sensor	Qty : 20 Nos.

निविदा जमा करने की प्रारंभिक तिथि (ऑनलाइन)/Bid Submission Start Date (online) : 01-10-2025, 15:00 hrs.  
निविदा स्पष्टीकरण की अंतिम तिथि (ऑनलाइन)/Bid clarification Due date(online) : 06-10-2025, 16:00 hrs.  
निविदा जमा करने की अंतिम तिथि (ऑनलाइन)/Bid submission due date (online) : 21-10-2025, 14:00 hrs.  
निविदाएं खोलने की तिथि (ऑनलाइन)/Bid opening date(online) : 21-10-2025, 14:05 hrs.  
मूल्य निविदाएं खोलने की तिथि (ऑनलाइन)/Price Bid opening date(online) : 28-10-2025, 14:00 hrs.

निविदाकार के लिए निर्देश Instructions to Tenderers:

**ईजीपीएस के माध्यम से भेजी गई निविदाओं पर निविदा शुल्क तथा बयाना जमा राशि लागू नहीं होगी।**

**Tender fee and EMD not applicable for tenders submitted through EGPS**

- कार्य के सम्पूर्ण विवरण/जानकारी तथा नियम व शर्तों इत्यादि के लिए संलग्न अनुलग्नक को देखें। / For full details/scope of work and terms and conditions etc., please see the enclosed annexures.
- इच्छुक निविदाकार इसरो के ई-क्रय वेबसाइट <https://eproc.isro.gov.in> से ई-निविदा डाउनलोड कर सकते हैं तथा अपनी निविदा (बोली) को ई-क्रय पोर्टल पर ऑनलाइन जमा कर सकते हैं। Interested tenderers can download the e-tender from ISRO e-procurement website <https://eproc.isro.gov.in> and submit the offer online in the e-procurement portal.
- निविदा दस्तावेज इसरो की वेबसाइट [www.isro.gov.in](http://www.isro.gov.in), इसरो ई-क्रय वेबसाइट <https://eproc.isro.gov.in> तथा सतीश धवन अंतरिक्ष केंद्र शार की वेबसाइट [www.shar.gov.in](http://www.shar.gov.in) पर भी उपलब्ध हैं। इन्हें डाउनलोड करके अपनी निविदा (बोली) को ई-क्रय पोर्टल पर ऑनलाइन जमा किया जाना चाहिए। / Tender documents are also available on ISRO website [www.isro.gov.in](http://www.isro.gov.in), ISRO e-procurement website <https://eproc.isro.gov.in> and SDSC SHAR, Sriharikota website [www.shar.gov.in](http://www.shar.gov.in). The same can be downloaded and offer shall be submitted online in the e-procurement portal.
- आखिरी समय पर होने वाली भीड़-भाड़ कम करने के लिए निविदाकार अपनी निविदा (बोली) ऊपर विनिर्दिष्ट समय के अंदर ही जमा कर दें। नए विक्रेता के रूप में अनुमोदन के लिए आवेदन / अनुरोध पत्र ई-मेल द्वारा निविदा दस्तावेज में अंकित निविदा संख्या का उल्लेख करते हुए ऑनलाइन जमा करें। / Tenderers shall submit their offers within the given time as specified above and last moment rush for bid submission shall be avoided. Request for new vendor approval shall be submitted online and the same shall be intimated by mail (mentioned in the tender document) referring the tender number.
- चूंकि यह दो भागों वाली निविदा है, अर्थात् तकनीकी एवं वाणिज्यिक भाग और मूल्य भाग, इसलिए निविदाकर्ता को तकनीकी एवं वाणिज्यिक बोली के साथ मूल्य निर्धारण संबंधी कोई भी दस्तावेज संलग्न नहीं करना चाहिए। सामान्यतः, यदि भाग-I (तकनीकी प्रस्ताव) हमारी तकनीकी विशिष्टताओं को पूरा नहीं करता है, तो हम भाग-II (मूल्य बोली) नहीं खोलते हैं। निविदा दस्तावेज/अनुसूची में उल्लिखित मूल्य बोली खोलने की तिथि केवल अस्थायी है। हालाँकि, मूल्य बोली केवल भाग-I के तकनीकी बोली मूल्यांकन के संतोषजनक समापन और विक्रेताओं को पूर्व सूचना के बाद ही खोली जाएगी। / This being a two part tender i.e. Technical & Commercial Part and Price Part, the tenderer should not attach any documents containing Pricing information along with Technical & Commercial Bid. Normally we do not open PART-II (Price bid), if PART-I (Technical Offer) does not meet with our technical specification requirements. Price bid opening date mentioned in the tender document/ Schedule is tentative only. However, price bid opening will be made only after satisfactory completion of Part-I technical bid evaluation and with prior intimation to vendors.
- वरि. प्रधान क्रय एवं भंडार, सतीश धवन अंतरिक्ष केंद्र श्रीहरिकोटा के पास किसी भी या सभी निविदाओं को स्वीकार / अस्वीकार करने का अधिकार है। / Sr. Head, Purchase and Stores, SDSC-SHAR, Sriharikota reserves the right to accept or reject any/or all the quotations.

वरि. प्रधान क्रय एवं भंडार

Sr. HEAD, PURCHASE AND STORES

Satish Dhawan Space Centre, Sriharikota  
सतीश धवन अंतरिक्ष केन्द्र, श्रीहरिकोटा  
दिनांक DT: 01.10.2025

भारतीय अंतरिक्ष अनुसंधान संगठन



Indian Space Research Organisation

**GOVERNMENT OF INDIA  
DEPARTMENT OF SPACE  
SATISH DHAWAN SPACE CENTRE SHAR SRIHARIKOTA (SDSC SHAR)  
NELLORE**

**Tender for Hydrazine (N<sub>2</sub>H<sub>4</sub>) single gas Monitoring Handheld Device  
Along with Sensor**

**Bids to be submitted online**

**Tender No.: SDSC SHAR/SOSE Purchase/SH202500048901 dated 01-10-2025**

## A. Tender Details

Tender No :	<b>SDSC SHAR/SOSE Purchase/SH202500048901</b>
Tender Date :	<b>01-10-2025</b>
Tender Classification:	<b>GOODS</b>
Purchase Entity :	<b>SOSE Purchase</b>
Centre :	<b>SATISH DHAWAN SPACE CENTRE SHAR SRIHARIKOTA (SDSC SHAR)</b>

### Hydrazine (N<sub>2</sub>H<sub>4</sub>) single gas Monitoring Handheld Device Along with Sensor

Hydrazine (N<sub>2</sub>H<sub>4</sub>) single gas Monitoring Handheld Device Along with Sensor  
(GeM Report id: GEM/GARPTS/14082025/OXITDLWGKNEI)

(BEING A TWO PART TENDER, WE REQUEST BIDDERS NOT TO DISCLOSE/INDICATE ANY OF THE PRICE WHILE SEEKING/PROVIDING CLARIFICATION. IN CASE IF ANY BIDDERS DISCLOSE ANY OF THE PRICE, THEIR OFFER WILL BE REJECTED. ALSO, PLEASE NOTE THAT BIDS SHALL BE SUBMITTED IN TWO PARTS.

PART-1 :TECHNO-COMMERCIAL PART OF THE BID &

PART -2: PRICE PART OF THE BID.

BIDDERS SHALL NOT DISCLOSE ANY PRICE IN PART-1 AND IF ANY BIDDER DISCLOSES THE PRICE IN THEIR PART-I BID, THEIR OFFERS WILL BE REJECTED.)

#### A.1 Tender Schedule

Bid Submission Start Date :	<b>01-10-2025 15:00</b>
Bid Clarification Due Date :	<b>06-10-2025 16:00</b>
Bid Submission Due Date :	<b>21-10-2025 14:00</b>
Bid Opening Date :	<b>21-10-2025 14:05</b>
Price Bid Opening Date :	<b>28-10-2025 14:00</b>

## B. Tender Attachments

NA

### Instructions To Vendors

#### 1. STANDARD TERMS & CONDITIONS

1. Tele No.08623-225174/226377

Fax No.08623-225170/22-5028

e-Mail ID : hps@shar.gov.in, spsoscfpurchase@shar.gov.in, smpcu1-purchase@shar.gov.in

1. Instruction to Indigenous Suppliers:

a) Payment Terms shall be as specified in RFP. If not specifically mentioned Our Normal payment term is 100% within 30 days after receipt and acceptance of the item at our site. Please confirm acceptance in your quotation.

b) GST/IGST: Please specify GST percentage, if any, in your offer. Please mention HSN/SAC code in your offer and Our GST No. is. 37HYDF00385A1DZ.

c) Purchase / Price preference to MSEs

Purchase/Price preference will be applicable to the product reservation admissible to the Micro and Small Enterprises. Purchase/Price Preference shall be extended to the MSEs under the Public Procurement Policy for MSEs formulated under the Micro, Small and Medium Enterprises Development Act, 2006. The participating MSEs in a tender, quoting price within the band of L-1 plus 15% may also be allowed to supply a portion of the requirement by bringing down their price to the L-1 price, in a situation where L-1 price is from someone other than an MSE. Such MSEs may be allowed to supply up to 25% of the total tendered value. In case of more than one such eligible MSE, the supply will be shared equally.

Micro & Small Enterprises which have technical capability to deliver the goods & Services as per prescribed technical & quality specifications and may not be able to meet the qualification criterion relating to prior experience-prior turnover may be relaxed as per guidelines issued by Ministry of MSMEs & as amended from time to time.

Interested vendors shall specifically claim the benefit with supporting documents.

d) Purchase / Price preference to Make-in-India Products:

Preference shall be given to Class 1 local supplier as defined in public procurement (Preference to Make in India), Order 2017 as amended from time to time and its subsequent Orders/Notifications issued by concerned Nodal Ministry for specific Goods/Products. The minimum local content to qualify as a Class 1 local supplier is denoted in the bid document 50%. If the bidder wants to avail the Purchase preference, the bidder must upload a certificate from the OEM regarding the percentage of

the local content and the details of locations at which the local value addition is made along with their bid, failing which no purchase preference shall be granted. In case the bid value is more than Rs. 10 Crore, the declaration relating to percentage of local content shall be certified by the statutory auditor or cost auditor, if the OEM is a company and by a practicing cost accountant or chartered accountant for OEMs other than companies as per the Public Procurement (preference to Make-in-India) order 2017 dated 04.06.2020. In case Buyer has selected Purchase preference to Micro and Small Enterprises clause in the bid, the same will get precedence over this clause.

## 2. Instruction to Foreign Suppliers:

- a) Payment Terms shall be as specified in RFP. If not specifically mentioned Our normal payment term is SIGHT DRAFT, Please confirm acceptance in your offer, if you insist for L/C, and all bank charges shall be to your account. Confirm acceptance.
- b) Please specify whether any export clearance is required in case of an order on you.
- c) Warranty/Guarantee applicable for the item shall be mentioned in your offer
- d) Special Certification for packing Material : as per Plant Quarantine (Regulation of Control into India) Order 2003, Articles packed with packing material of plant origin viz., hay, straw, wood shavings, wood chips, saw dust, wood waste, wooden pallets, Dunn age Mats, wooden packages, coir pith, peat or sphagnum moss etc., will be allowed entry by Customs only with a Phytosanitary Certificate. In case of a Purchase Order, if you propose to us any of the above material for packing such a certificate issued by your local Plant Quarantine Authority shall be furnished.
- e) Confirm whether any Export License is required and for which End User Certificate is to be provided by us, in case of an Order on you. (Enclose format for EUC, if applicable)
- f) Either Indian Agent on behalf of the foreign principals or the foreign principal directly can quote against this order, but not both. In either case an Indian agent cannot represent more than one principal against the same tender.
- g) In case the quote is in INR we prefer to execute the same on HSS Basis and for which Concessional Customs duty as per Notification no.50/2017 Customs dated 30.06.2017, Serial No.539(A) as amended by Notification no.05/2018 dated 25.01.2018. In case the quote is on Indian Rupee (Outside High Sea Sale), the price shall include taxes and duties if any. We shall not be able to provide any duty or IGST tax exemption/concession certificates. If the item quote is of USA make, please quote for all-inclusive price since we prefer to get the item on FOB destination basis.
- h) Any bidder from a country which shares a land border with India will be eligible to bid in any procurement whether of goods, services (including consultancy services and non-consultancy services) or works (including turnkey projects) only if the bidder is registered with Competent Authority as specified in Office Memorandum no.F.No.6/18/2019-PPD, Ministry of Finance, Department of Expenditure, Public Procurement Division dated 23rd July 2020. All the conditions mentioned in the above OM is applicable for this tender.

Common terms to Indigenous and foreign suppliers:

### 3.Warranty

You shall provide applicable warranty for the items offered by you without fail. For the applicable period you shall provide necessary warranty certificate.

### 4.Performance Bank Guarantee

Towards the performance of the systems during the warranty period you shall submit a performance bank guarantee equivalent to 3% of the order value to cover the warranty period. This PBG shall be interest free and the same shall be returned to you on successful completion of all contractual obligations. The said PBG shall have a further claim period of 2 months.

### 5.Security Deposit

On acceptance of the order, you shall submit an interest free amount equivalent to 3% of the total contract/order value towards security deposit. This security deposit is collected towards the performance of the Contract. The said Security Deposit shall be submitted either in the form of Bank Guarantee/Demand Draft/FDR receipts duly endorsed in the name of the centre. The Security Deposit will be returned to you on successful completion of the Contractual obligations; failing which it shall be forfeited/adjusted.

6.Offer Validity : - In case of single part tender - the validity of offers/tenders should be 90 days. In case of two part tender - 120 days from the date of opening of Part-I bid and 60 days from the date of opening of Part-II bid. Tenders shorter than offer validity mentioned above will not be considered for evaluation.

### 7.Liquidated Damages:

If you fail to deliver the ordered items satisfactorily within the time specified or any extension thereof, Liquidated Damage @ 0.5%(zero point five percent) of the order value or part thereof the un-delivered items for each calendar weeks of delay shall be recovered from your bill. However total Liquidated Damage shall not exceed 10% (ten percent) of the order value.

### FORCE MAJEURE:

Should a part or whole work covered under this contract be delayed in delivery/completion of work due to reasons of Force majeure which shall include legal lockouts, strikes, riots, civil commotion, fire, accidents, quarantines, epidemic, acts of God & War, stoppage of deliveries by the Government , freight embargoes etc; the delivery period/completion of work referred to in this Contract shall be extended by a period not in excess of duration of such Force Majeure. The occurrence shall be notified by either party within reasonable time.

### 8.Offers received through post, courier, fax or email will not be considered.

9. Technical and commercial bid (Part-I) shall not contain any price details. Optional accessories or other price details, if any shall be uploaded in Supporting documents related to Price Bid, to be opened along with Price Bid.

10. In respect of FIM being issued, the fabricator shall submit Bank Guarantee for equivalent sum compulsorily. In case, submission of Bank Guarantee is not possible, the reasons there for shall be clearly mentioned. However, for such cases the fabricators at their cost shall secure such FIM through

Insurance Policy with Director, SDSC SHAR as beneficiary. In case of PSU and Government Organization, Indemnity Bond in lieu of Bank Guarantee is acceptable. Balance FIM/Scrap, if any shall be returned along with the supply of the items. Please confirm acceptance in your quotation.

11. SDSC SHAR shall have the right to place part order among the parties for the items for which they are the lowest.

12. Arbitration:

In the event of any dispute/s, difference/s or claim/s arising out of or relating to the interpretation and application of the Contract, such dispute/s or difference/s or claim/s shall be settled amicably by mutual consultations of the good Offices of the respective Parties and recognizing their mutual interests attempt to reach a solution satisfactory to both the parties. If such a resolution is not possible, within 30 days from the date of receipt of written notice of the existence of such dispute/s, then the unresolved dispute/s or difference/s or claim/s shall be referred to the Sole Arbitrator appointed by the Parties by mutual consent in accordance with the rules and procedures of Arbitration and Conciliation Act 1996 as amended from time to time. The arbitration shall be conducted in Bengaluru in the Arbitration and Conciliation Centre Bengaluru (Domestic and International) as per its rules and regulations. The expenses for the Arbitration shall be shared equally or as may be determined by the Arbitrator. The considered and written decision of the Arbitrator shall be final and binding between the Parties. The applicable language for Arbitration shall be English only.

Work under the Contract shall be continued by the CONTRACTOR during the pendency of arbitration proceedings, without prejudice to a final adjustment in accordance with the decision of the Arbitrator unless otherwise directed in writing by the DEPARTMENT or unless the matter is such that the works cannot be possibly continued until the decision (whether final or interim) of the Arbitrator is obtained.

## **2. General Instructions to Vendor**

1. Instructions to tenderers

TeleNo.08623-225174/226377

Fax No.08623-225170/22-5028

e-Mail ID : hps@shar.gov.in, nair\_binu@shar.gov.in, akdas@shar.gov.in

1. Interested tenderers may, at their option, login to <https://eproc.isro.gov.in> and submit your offers.

2. TENDER FEE IS NOT APPLICABLE.

3. EARNEST MONEY DEPOSIT IS NOT APPLICABLE IF NOT MENTIONED IN THE RFP SPECIFICATION.

4. Indian agents while quoting on behalf of their principals are requested to attach Principals original quote, necessary authorization letter from their Principals, copy of agency agreement etc. in their bid.

5. TWO PART BIDS: In case of Two part tender, price details shall not be uploaded in the Technical & Commercial Bids (Part I), failing to which the bid will be treated as INVALID.

6. VALIDITY OF OFFER: - In case of single part tender - the validity of offers/tenders should be 90 days. In case of two part tender - 120 days from the date of opening of Part-I bid and 60 days from the date of opening of Part-II bid. Tenders shorter than offer validity mentioned above will not be considered for evaluation.

7. Due date & time: Sufficient time has been allotted for Bid submission. Vendors are requested to complete Bid submission well in advance. Last minute requests for due date extension citing server problems etc. will not be entertained. Bids will not be entertained after the due date and time.

7 (A). Request for the extension of the due date will not be considered.

8.

(a) Bid Opening for Public Tender: In case of Public Tender-Two Part Tenders: Technical and Commercial Bids will be opened on the first day specified for Tender opening. Interested vendors can attend the tender opening session to know the bidding details (Bidders presence is not mandatory to consider the quote for evaluation). Price Bid opening of the selected vendors will be scheduled later and it will be intimated to the selected Bidder (s).

(b) For Limited Tender: Bidders participation is not allowed.

9. Prices are required to be quoted according to the units indicated.

10. Preference will be given to those tenderers offering supplies from ready stocks and on the basis of FOR destination delivery at site.

11. (a) All available technical literature, catalogues and other data in support of the specifications and detail of the items should be furnished as attachments.

(b) Samples, if called for, should be submitted free of all charges by the tenderer and the Purchaser shall not be responsible for any loss or damage thereof due to any reason whatsoever. In the event of non-acceptance of tender, the tenderer will have to remove the samples at his own expense.

(c) Approximate net and gross weight of the items offered shall be indicated in your offer. If dimensions details are available the same should be indicated in your offer.

(d) Specifications: Stores offered should strictly conform to our specifications. Deviations, if any, should be clearly indicated by the tenderer in their quotation. The tenderer should also indicate the Make/Type number of the stores offered and provide catalogues, technical literature and samples wherever necessary. Test certificates wherever necessary should be attached. Whenever options are called for in our specifications, the tenderer should address all such options. Wherever specifically



mentioned by us the tenderer could suggest changes to specifications with appropriate response for the same.

12. The purchaser shall be under no obligation to accept the lowest or any tender and reserves the right of acceptance of the whole or any part of the tender or portion of quantity offered and the tenderers shall supply the same at the rates quoted.

13. All amounts shall be indicated both in words as well as in figures. Where there is difference between amounts quoted in words and figures, amount quoted in words shall prevail.

14. The tenderer will be required to furnish a document containing the name of his bankers as well as the latest income-tax clearance certificate duly counter signed by the Income-tax Officer of the Circle concerned under the Seal of his office, if required by the Purchaser.

15. The Purchaser reserves the right to place order on the successful tenderers for additional quantity up to 25% of the quantity offered by them at the rates quoted.

16. Sr. Head, Purchase and Stores, SDSC SHAR SRIHARIKOTA reserves the right to accept or reject any bid in part or full without assigning any reason thereof.

17. Any bidder from a country which shares a land border with India will be eligible to bid in any procurement whether of goods, services (including consultancy services and non-consultancy services) or works (including turnkey projects) only if the bidder is registered with Competent Authority as specified in Office Memorandum no.F.No.6/18/2019-PPD, Ministry of Finance, Department of Expenditure, Public Procurement Division dated 23rd July 2020. All the conditions mentioned in the above OM is applicable for this tender.

#### 18. Micro and Small Enterprises [MSEs]

a). In order to avail the benefits extended by Government of India to the Micro and Small Enterprises [MSEs] in respect of Goods and Services as per provision of the policy, MSEs registered with District Industries Centre [DIC] or Khadi and Village Industries Commission [KVIC] or Khadi and Village Industries Board [KVIB] or Coir Board or National Small Industries Commission [NSIC] or Directorate of Handicrafts and Handlooms or Udyog Aadhar Memorandum, or any other Body specified by Ministry of MSME have to submit a copy of Valid Certificate with self-attestation along with the Technocommercial bid. No Certificate claiming exemption will be entertained after Tender due date.

b). MSEs are entitled for [i] issue of Tender documents Free of Cost [ii] Exemption of Earnest Money Deposit [EMD]. However, Performance Security is mandatory for Goods and Services.

c). If the Tenderer[s] is/are SC/ST/Woman entrepreneur owned MSEs, specific mention for the same should be there in the valid certificate submitted by the tenderer.

d). Tenderers claiming MSME benefit shall furnish copy of UAM No. as uploaded on CPP portal to avail benefit.

## 19. Public Procurement [Preference to Make in India]:

Public Procurement (Preference to Make in India) order 2017- revision issued by Government of India, Department of Promotion of Industry and Internal Trade [DPIIT] Public Procurement [preference to Make in India] vide Order No P-45021/2/2017-PP(BE II) dated 16/09/2020 or as amended thereafter. The Tenders submitted are subjected these orders.

Bidders are required to submit necessary certificates & documents as detailed in the above referred GOI Order in support of their claim to avail benefit against this order. The bidders who claim Purchase Preference under Make in India Policy shall fulfill all requirements of tender document applicable for Indigenous Manufacturer. FAILURE TO SUBMIT THE REQUIRED DOCUMENTS MAY RENDER A TENDER UNACCEPTABLE.

Local Content means the amount of value added in India which shall, unless otherwise prescribed by the Nodal Ministry, be the total value of the item procured (excluding net domestic indirect taxes) minus the value of imported content in the item (including all customs duties) as a proportion of the total value, in percent.

Local Supplier: Class-I Local Supplier means a supplier whose product offered for procurement has local content equal to or more than 50%. Class-II Local Supplier means a supplier whose product offered for procurement has local content more than 20% but less than 50%. Non-Local Supplier means a supplier whose product

Margin of Purchase Preference: For being eligible for purchase preference under this clause, the Margin of purchase preference shall be 20% (i.e. L1 + 20% band). Preference: Purchase Preference shall be given to Class-I Local Supplier only in the manner specified here under:

(a) In the procurement of Goods which are divisible in nature:

i. If L1 is from a Class-I local supplier, the contract for full quantity will be awarded to L1.

ii. If L1 is not a Class-I local supplier, 50% of the order quantity shall be awarded to L1. Thereafter, the lowest bidder among the Class-I local supplier will be invited to match the L1 price for the remaining 50% quantity subject to the Class-I local supplier(s) quoted price falling within the margin of purchase preference, and contract for that quantity shall be awarded to such Class-I local supplier subject to matching the L1 price. In case such lowest eligible Class-I local supplier fails to match the L1 price or accepts less than the offered quantity, the next higher Class-I local supplier within the margin of purchase preference shall be invited to match the L1 price for remaining quantity and so on, and contract shall be awarded accordingly. In case some quantity is still left uncovered on Class-I local supplier, then such balance quantity may also be ordered on the L1 bidder

(b) In the procurement of Goods which are not divisible in nature:

- i. If L1 is Class-I local supplier, the contract for full quantity will be awarded to L1
- ii. If L1 is not Class-I local supplier, the lowest bidder among the Class-I local supplier will be invited to match the L1 price subject to the Class-I local supplier(s) quoted price falling within the margin of purchase preference, and the contract shall be awarded to such local supplier subject to matching the L1 price.
- iii. In case such lowest eligible Class-I local supplier fails to match the L1, the Class-I local supplier with the next higher bid within the margin of purchase preference shall be invited to match the L1 price and so on and contract shall be awarded accordingly. In case none of the local suppliers within the margin of purchase preference matches the L1 price, then the contract may be awarded to the L1 bidder

(c) Class-II local supplier will not get purchase preference

Verification of local content:

- i. The Class-I local supplier / Class-II local supplier at the time of bidding shall be required to indicate percentage of Local Content and provide self-certification that the items offered meet the local content required for Class-I local supplier/ Class-II local supplier and shall give the details of the location(s) at which the local value addition is made .
- ii. False declarations will attract banning of business of the bidder or its successor(s) for a minimum period of three years along with any other penal action as may be deemed fit including rejection of the offer, forfeiture of all dues including EMD/ Security Deposit / banning of the firm.
- iii. A supplier who has been debarred by any procuring entity for violation of this order shall not be eligible for preference for procurement for the duration of debarment. It will be the bidders responsibility to provide self-certification, clearly stating that the bidder is not serving debarment from any procuring entity for the tendered item at the time of tendering.

### **3. Tender- Two part Instructions**

1. This requirement can be quoted only through online e-procurement mode using ISRO portal <https://eproc.isro.gov.in>. No manual tender will be considered.
2. The vendors have to get themselves registered in above site to download the tender details. To register in above ISRO portal (<https://eproc.isro.gov.in>) the vendors need to have digital certificate The digital certificate can be obtained from any digital certifying authority like M/s (n)Code solutions; M/s Tata Consultancy Ltd., M/s Satyam Information System etc.
3. The parties are advised to download the tender and submit the bid on online at least two days prior to tender closing date to avoid last minute network problem. The due date shall not be extended due to

network or computer related problems.

4. Tender fee is not applicable.

5. This being a two part tender i.e. Technical & Commercial Part and Price Part, the tenderer should not attach any documents containing Pricing information along with Technical & Commercial Bid. Normally we do not open PART-II (Price bid), if PART-I (Technical Offer) does not meet with our technical specification requirements. Price bid opening date mentioned in the tender document/ Schedule is tentative only. However, price bid opening will be made only after satisfactory completion of Part-I technical bid evaluation and with prior intimation to vendors.

6. Our Tender Enquiry contains technical requirements and specification. The detailed technical specification of your offer should be covered in the technical part. The Technical documents need to be attached online as a single PDF file without any prior information. The tender attachments containing Price details will be treated as unsolicited offers and rejected.

7. The quote should indicate quantity wise unit rate separately which have to be filled online. The Prices are to be mentioned both in figures as well as in words. The taxes, duties etc. are to be calculated and indicated in the column provided in online forms explicitly.

8. Bidders are expected to comply with the technical & commercial and other terms and conditions given in vendor specified terms of this tender. In case of any deviation, the reasons thereof should be clearly specified in the vendor specified terms column.

9. The vendors have to compulsorily submit the compliance statement online otherwise their offer will not be considered for further evaluation. Before entering the compliance statement, vendors are advised to refer the detailed specification provided in the Technical Write-up/ Drawings document. The specification offered by the vendors may also be indicated in the compliance statement wherever necessary.

10. The Technical Specification / Drawing / Product Catalogues / Works carried by vendor / Make offered etc. as a single PDF file without any financial details has to be uploaded online mode by the vendor. This being TWO PART TENDER the PDF document uploaded should not contain any commercial/pricing details. If the attached PDF contains any pricing detail the offer will be treated as unsolicited and will be summarily rejected.

11. Original Equipment Manufacturer (OEM) or their representative can submit bid. Indian agents while quoting on behalf of their principals are requested to attach necessary authorization letter from their Principals in their bid.

12. Instructions on Indian Agent (if any):- Bidders are required to provide the following information in respect of their authorized Indian Agent, if any, alongwith technical bid as the same is mandatory as is required for consideration of the bid. Name, Address, Telephone no. , fax no., email of the Indian Agent including the contact person.

13. A letter from the OEM in the current date certifying that the said Indian Agent is their authorized Indian Agent and also indicating the responsibilities/role of the Indian Agent under the proposed purchase. Remuneration/service charges payable to the Indian Agent under the proposed purchase.

14. The offer should be valid for a minimum period of 120 days from the date of tender opening or as specified in the tender document.

15. Due date & time: Sufficient time has been allotted for Bid submission. Vendors are requested to complete Bid submission well in advance. Last minute requests for due date extension citing server

problems etc. will not be entertained. Bids will not be entertained after the due date and time.

17. The vendors may contact +91471 2565454/4574/2527/3753/3289 or eproc@vssc.gov.in for any technical assistance in bid submission.

18. Once the offer is submitted in on line mode by the vendor and bid submission period is over, vendor will not be able to provide revised offer.

19. Request for the extension of the due date will not be considered.

20. Tender which are not prepared in terms of these instructions are liable to be rejected.

21. Based on the response to the e-Public Tender Notice, SDSC SHAR reserves the right to change any milestone date of the tendering activity.

22. SDSC SHAR reserves the right to verify all claims made by the bidder.

23. Tender Opening : The Technical and Commercial Bid [Part-I] will be opened on the specified day mentioned in the schedule and in case any further clarification/ discussion are required, such clarification/discussion shall be called for before opening the Price Bid.

24. The exact date and time of opening of price bid of successful tenderers will be intimated later.

25. Tenderers can participate in the said tender opening to know the details on for which, the representative of the firm shall be duly authorized by Competent Authority. Against proper authorization only such representatives shall be allowed to attend the tender opening. Tenderer Presence is not mandatory to consider the Quote for evaluation.

26. SDSC SHAR, SRIHARIKOTA reserves the right to accept or reject any/or all the tenders in part or full without assigning any reasons thereof.

## C. Bid Templates

### C.1 Technical Bid - Hydrazine (N<sub>2</sub>H<sub>4</sub>) single gas Monitoring Handheld Device Along with Sensor

#### 1. PERSONAL SAFETY ITEMS:

Hydrazine (N<sub>2</sub>H<sub>4</sub>) single gas Monitoring Handheld Device Along with Sensor Make:  
Drager/Equivalent

#### Item specifications for PERSONAL SAFETY ITEMS:

Hydrazine (N<sub>2</sub>H<sub>4</sub>) single gas Monitoring Handheld Device Along with Sensor Make:  
Drager/Equivalent

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	As per specifications attached	As per specifications attached	Yes / No / Explain		

#### Document : Specifications

#### Common Specifications (Applicable for all items)

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	As per specifications attached	As per specifications attached	Yes / No / Explain		

#### Supporting Documents required from Vendor

1. As per specifications attached

2. Furnish UDYAM Registration Certificate

3. MII Local Content Declaration

4. Land Border Declaration as per Rule 144(xi) of GFR

5. OEM Authorization certificate duly mentioning that OEM support will be extended during the warranty period also

5 additional documents can be uploaded by the vendor

## C.2 Commercial Terms / Bid

Sl. No.	Description	Compliance	Vendor Terms
1	As per Specifications attached.	Yes / No / Explain	
2	<p>GST AND OTHER COSTS, IF ANY:  As per the Notification No. 6/2018-Central Tax (Rate) dt:25.01.2018 A(ix) S.No.243A as amended by Notification No.24/2018-Central Tax (Rate) Dt: 31.12.2018 b(viii) S.No.243B issued by Ministry of Finance (Dept. of Revenue) &amp; Government of Andhra Pradesh, Revenue (Commercial Taxes-II) Department, G.O.MS.No. 93 Dated: 19-02-2018 A(ix) S.No.243A and as per the Notification No. 7/2018-Integrated Tax (Rate) dt:25.01.2018 A(ix) S.No.243A as amended by Notification No.25/2018-Integrated Tax (Rate) Dt: 31.12.2018 b(viii) S.No.243B issued by Ministry of Finance (Dept. of Revenue), SDSC SHAR is eligible to avail GST/IGST @5% for the procurements related to Scientific and technical instruments, apparatus, equipment, accessories, parts, components, spares, tools, mock ups and modules, raw material and consumables required for launch vehicles and satellites and payload. we will issue only End User Certificate for availing GST/IGST @5%. Hence, kindly confirm your acceptance and submit your price quotation accordingly.</p>	Yes / No / Explain	
3	DELIVERY TERM: FOR - SRIHARIKOTA	Yes / No / Explain	
4	<p>Contract Period/Delivery Schedule:  Contract shall be valid over a period of 2 years from date of Purchase order and the details as follows:  The supplier shall supply the required quantity (Full quantity or Part quantity) of materials as per our requirement over a period of 2 years. Material to be delivered within 4 months from the date of intimation.</p>	Yes / No / Explain	



5	<p>VALIDITY OF OFFER: -In case of single part tender - the validity of offers/tenders should be 90 days. In two-part tender - 120 days from the date of opening of Part-I bid and 60 days from the date of opening of Part-II bid. Tenders shorter than offer validity mentioned above will not be considered for evaluation.</p>	Yes / No / Explain	
6	<p>PAYMENT TERM: 100% payment will be made on pro-rata through PFMS within 30 days of receipt and acceptance of the ordered items by SDSC SHAR Central Level Inspection Panel(CLIP) at our site.</p>	Yes / No / Explain	
7	<p>Purchase preference to Micro and Small Enterprises (MSEs): Purchase preference will be given to MSEs as defined in Public Procurement Policy for Micro and Small Enterprises (MSEs) Order, 2012 dated 23.03.2012 issued by Ministry of Micro, Small and Medium Enterprises and its subsequent Orders/Notifications issued by concerned Ministry. If the bidder wants to avail the Purchase preference, the bidder must be the manufacturer of the offered product in case of bid for supply of goods. Traders are excluded from the purview of Public Procurement Policy for Micro and Small Enterprises. In respect of bid for Services, the bidder must be the Service provider of the offered Service. Relevant documentary evidence in this regard shall be uploaded along with the bid in respect of the offered product or service. If L-1 is not an MSE and MSE Seller (s) has/have quoted price within L-1 plus 15% (Selected by Buyer) of margin of purchase preference/price band defined in relevant policy, such Seller shall be given opportunity to match L-1 price and contract will be awarded for 25% (selected by Buyer) percentage of total QUANTITY.</p> <p>Clearly specify whether you are eligible for MSE Preference. If YES, supporting documents shall be uploaded.</p>	Yes / No / Explain	

8	LIQUIDATED DAMAGE: Since delivery is the essence of this order, in case of delay in completion of total scope of work beyond the stipulated delivery period, Liquidated Damage will be levied @ 1/2% per week or part thereof on undelivered portion as pre-estimated damages subject to a maximum of 10% of total order value.	Yes / No / Explain	
9	WARRANTY: The offered items shall have warranty for a period of Twelve Months from the date of receipt & acceptance of items by CLIP at our site against any manufacturing defects/ bad workmanship. If any defects are noticed during the above period, the same should be rectified/ replaced at FREE OF COST.	Yes / No / Explain	
10	In case of Specific Brand items, please provide Authorization certificate from OEM.	Yes / No / Explain	
11	Items supplied shall be of the Make specified. Offers other than these makes will not be considered. Please mention the offered make.	Yes / No / Explain	
12	Compliance to the Technical specifications shall be mentioned.	Yes / No / Explain	
13	PERFORMANCE BANK GUARANTEE (PBG): A Bank Guarantee for 3% of the order value (or as notified by Govt. Of India/ISRO from time to time) shall be provided towards the performance of the system. PBG may be furnished in the form of Insurance Security Bonds, Account Payee Demand Draft, Fixed Deposit Receipt from a commercial Bank, Bank Guarantee (including e-Bank Guarantee) from a Commercial bank executed on Rs.200/- non-judicial stamp paper or online payment in an acceptable form valid till the successful completion of warranty period plus 60 days. This will not carry any interest and shall be returned to you after successful completion of warranty period against your request. In case of non-performance/poor performance the Bank Guarantee shall be forfeited.	Yes / No / Explain	

14	<p>Security Deposit (SD) :- 3% value of the order shall be deposited with SDSC within 10 days from the date of the Purchase Order towards security deposit in the form of Bank Guarantee towards performance of the Contract valid till completion of the contract period plus sixty days towards claim period. (This will be returned by SDSC immediately on execution of the order satisfactorily as per order terms. If not, the amount will be forfeited). NOT REQUIRED FOR LANDED COST BELOW RS.5 LAKHS.</p> <p>[The said percentage reconsideration shall be based on guidelines issued by Govt. of India, from time to time]</p>	Yes / No / Explain	
15	<p>Combined BG: In case, if parties are unable to provide two separate BGs, i.e., one for SD &amp; one for PBG, they can submit a combined BG for SD &amp; PBG for 3% of the Order value valid till the completion of total contractual obligation (i.e., Supply period plus warranty period plus 60 days). Please confirm.</p> <p>[The said percentage reconsideration shall be based on guidelines issued by Govt. of India, from time to time]</p>	Yes / No / Explain	

16	<p>For this procurement, bids from Class-I &amp; class-II Local Suppliers are admissible. Hence provisions contained in Public Procurement (Preference to Make in India), Order 2017 issued by Department for Promotion of Industry and Internal Trade (DIPP), Ministry of Commerce &amp; Industries vide letter No. P-45021/2/2017-PP(BE-II) dated 04.06.2020 and subsequent amendment &amp; directives shall be followed. Accordingly, offer will be evaluated &amp; processed in conformation with above referred GOI order (Specially mentioned below). The bidder shall provide compliance and undertaking as per order and hereafter amendments: Order no: F.No.6/18/2019 PPD dated 23.07.2020 of Department of Expenditure), Ministry of Finance Under Public procurement division for the General Financial rule (GFRs).</p> <p>(a) Class-I local supplier means a supplier or service provider, whose goods, service or works offered for procurement, has local content equal to or more than 50%, as defined under order.</p> <p>(b) Class-II local supplier means a supplier or service provider, whose goods, services or works offered for procurement, has local content more than 20% but less than 50%, as defined under this Order.</p> <p>You are requested to provide Self Declaration Certificate that the offered Item meets Local Content Requirement of Class 1 or Class 2 as per Make in India(MII) Policy, clearly indicating the Percentage of local content &amp; the details of Location(s) at which value addition is made in the offered product.</p> <p>It may be noted that Local Content shall not include services such as Transportation, Insurance, Installation, Commissioning, Training and after sales service support like AMC/CMC etc.</p>	Yes / No / Explain	
17	<p>Please send your queries through clarification provision only. However, bidder may also send a copy to <a href="mailto:smpcu1-purchase@shar.gov.in">smpcu1-purchase@shar.gov.in</a> duly quoting tender number. Contact No.08623-22-6377.</p>	Yes / No / Explain	

18	Insurance :- Being a Govt. Of India Dept., Insurance is not required at our cost. Please ensure the safe delivery of the ordered item with proper transport worthy packing.	Yes / No / Explain	
19	ARBITRATION:- The Contract shall be interpreted, construed and governed by the Laws in India. In the event of any dispute/s, difference/s or claim/s arising out of or relating to the interpretation and application of the Work Package Order(s), such dispute/s or difference/s or claim/s shall be settled amicably by mutual consultations of the good Office of the respective Parties and recognizing their mutual interests attempt to reach a solution satisfactory to both the parties. If such a resolution is not possible, within 30 days from the date of receipt of written notice of the existence of such dispute/s, then the unresolved dispute/s or difference/s or claim/s shall be referred to the Sole Arbitrator appointed by the Parties by mutual consent in accordance with the rules and procedures of Arbitration and Conciliation Act 1996 as amended from time to time. The arbitration shall be conducted in Bengaluru in the Arbitration and Conciliation Centre - Bengaluru (Domestic and International) as per its rules and regulations. The expenses for the Arbitration shall be shared equally or as may be determined by the Arbitrator. The considered and written decision of the Arbitrator shall be final and binding between the Parties. The applicable language for Arbitration shall be English only.	Yes / No / Explain	
20	Option clause: The purchaser reserves the right to increase/decrease the ordered quantity by up to [25] per cent at any time, till the final delivery date (or the extended delivery date of the contract), by giving reasonable notice even though the quantity ordered initially has been supplied in full before the last date of the delivery period (or the extended delivery period).	Yes / No / Explain	

21	<p>Do you have Unique GeM Seller ID? If YES, provide details</p> <p>If NO, As per Office Memorandum No 6/9/2020-PPD dated 24/08/2020 of Department of Expenditure, it shall be mandatory for sellers providing Goods and Services to Central Government Organizations to be registered on GeM and obtain a Unique GeM Seller ID, at the time of Placement of Order/acceptance of contract. Tenderers shall ensure the same.</p>	Yes / No / Explain	
22	<p>The bidder shall provide compliance to Order No. F.No.6/18/2019 PPD dated 23.07.2020 and amendments thereof by Ministry of Finance, Department of Expenditure, Public Procurement Division regarding restrictions on procurement from a bidder of a country which shares a land border with India and comply to all the provisions of the Order. In this regard, you shall certify that the bidder entity is not from such a country or, is from such a country, has been registered with the Competent Authority.</p>	Yes / No / Explain	
23	Remarks: If any.	Yes / No / Explain	
24	<p>FORCE MAJEURE: If at any time during the continuance of the order the performance in whole or part by either party of any obligation under this order shall be prevented or delayed by reasons of any war, hostility, acts of public enemy, civil commotion, sabotage, fire, floods, lightening, epidemic, quarantine restrictions, strikes, go-slow, lockout or acts of God, notice of which is given either party to the other within 21 days from the date of occurrence thereof, neither party shall be reasons of such eventually be entitled to terminate this order nor shall either party have any claim for damages against the other in respect of such non-performance or delay in performance.</p>	Yes / No / Explain	
25	<p>EVALUATION CRITERIA :As all the items within tender specification are interdependent splitting of order is not possible. Hence, overall lowest bidder will be considered</p>	Yes / No / Explain	

26	<p>BEING A TWO PART TENDER, WE REQUEST BIDDERS NOT TO DISCLOSE/INDICATE ANY OF THE PRICE WHILE SEEKING/PROVIDING CLARIFICATION. IN CASE IF ANY BIDDERS DISCLOSE ANY OF THE PRICE, THEIR OFFER WILL BE REJECTED. ALSO, PLEASE NOTE THAT BIDS SHALL BE SUBMITTED IN TWO PARTS. PART-1 :TECHNO-COMMERCIAL PART OF THE BID &amp; PART -2: PRICE PART OF THE BID. BIDDERS SHALL NOT DISCLOSE ANY PRICE IN PART-1 AND IF ANY BIDDER DISCLOSES THE PRICE IN THEIR PART-I BID, THEIR OFFERS WILL BE REJECTED.</p>	Yes / No / Explain	
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### C.3 Price Bid

Sl. No.	Item	Quantity	Unit Price	Currency	Total Price	Remark
1	<p>PERSONAL SAFETY ITEMS: Hydrazine (N<sub>2</sub>H<sub>4</sub>) single gas Monitoring Handheld Device Along with Sensor Make: Drager/Equivalent</p>	20.00 Nos.		-		

### Common charges (Applicable for all items)

Additional Charges, if any (P&F, Freight etc.)	
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## **INDENT SPECIFICATION**

### **Hydrazine (N<sub>2</sub>H<sub>4</sub>) single gas Monitoring Handheld Device Along with Sensor Make: Drager/Equivalent**

1. It shall be a portable single gas detector with electrochemical sensor to detect hydrazine N<sub>2</sub>H<sub>4</sub> vapour.
2. It should give real time digital N<sub>2</sub>H<sub>4</sub> (Not VOC gases) ppm levels with alarms.
3. The Device should have range 0-5 ppm and resolution: 0.01 ppm having detection response within 30 sec.
4. The weight of the device within the range of 250 to 280 gm (48 x 130 x 61 mm -approximate size).
5. It should be slip proof and compact design.
6. Power pack and sensor should be integral elements of the device.
7. Device/Sensor should have ATEX/IECEX /CSA approval, certificate shall be produced along with the supply of material.
  - ATEX:-I M1 Ex ia I Ma  
II 1G Ex ia IIC T4/T3 Ga  
-20 °C ≤ Ta ≤ +55 /40 °C
  - IECEX: -Ex ia I Ma  
Ex ia IIC T4/T3 Ga  
-20 °C ≤ Ta ≤ +55 /40 °C
  - CSA: - Class I, Div. 1, Groups A, B, C, D TC T4/T3  
Class I, Zone 0, A/Ex ia IIC T4/T3 /Ga
8. Detection of gas should be done by Electrochemical sensor through diffusion method.
9. It should have ingress protection IP 54.
10. It should withstand the mentioned Ambient conditions:
  - Temperature- -20 to +50 °C
  - Pressure - Hydrazine sensors should have internal pressure compensation within 700 and 1300 ambient pressure to avoid electrolyte leakages
  - Relative humidity- 10 to 90 % r.h
11. It should have retrievable data logger.
12. It should have Triple alarm features: visual (360°), audible (multi-tone>90 dB at 1 ft), vibration.
13. Sensor shall be Easy to use having two button operation.
14. It should be resistant to impact, vibrations and electromagnetic radiation.
15. It should have T4 NiMH rechargeable battery, which can be charged right in the device.
16. Battery charger shall be provided along with device.
17. It should have tight closing crocodile clip for easy fastening.



18. It should have CE mark for Explosion protection – Directive 2014/34/EU  
Electromagnetic compatibility – Directive 2014/30/EU
19. Sensor calibration certificate shall be produced along with the supply of material.
20. This purchase order shall be valid over a period of 2 years from date of Purchase order.
21. The supplier shall supply the required quantity (Full quantity or Part quantity) of materials as per our requirement over a period of 2 years. Material to be delivered within 4 months from the date of intimation.
22. The party shall provide a minimum of 12 Months warranty from the date of receipt & acceptance of items at our site.
23. Payment shall be made on a pro rate basis against supply of items.

### **General Terms**

24. Inspection will be carried out at SDSC SHAR. If not meeting the indent specification item shall liable for rejection.
25. The party shall deliver the item to SDSC SHAR. Party shall ensure proper packing to avoid damage during transit.
26. The party shall supply 20 Nos. of Hydrazine (N<sub>2</sub>H<sub>4</sub>) Monitoring Handheld Device Along with Sensor complete set, in a staggered manner as per Variation in any of the sets is not acceptable.
27. The party shall provide the product catalogue/technical data sheet along with the quotation/offer.
28. The party shall have to submit the Authorized OEM certificate with tender reference number along with the quotation/offer.
29. The party shall provide the filled checklist in Annexure II with signed and sealed along with the quotation/offer.
30. Operational manual and spare parts information (with part nos.) shall be provided along with the supply.

## CHECKLIST TO BE SUBMITTED BY PARTY

S.No.	Description	Yes/No Reply from Party
	<b>Scope of Supply:</b> The party shall supply 20 Nos. of Hydrazine (N <sub>2</sub> H <sub>4</sub> ) Monitoring Handheld Device Along with Sensor, Battery and battery charger- complete set, Variation in any of the sets is not acceptable.	
	The party shall provide the product catalogue/technical data sheet along with the quotation/offer.	
	The party shall have to submit the Authorized OEM certificate with tender reference number along with the quotation/offer.	
	The party shall provide a minimum of 1-year warranty certificate for the entire sets from the date of receipt & acceptance of items at our site.	
	Operational manual and spare parts information (with part nos.) shall be provided along with the supply.	
<b>Hydrazine (N<sub>2</sub>H<sub>4</sub>) Monitoring Handheld Device Along with Sensor Make: Drager/Equivalent</b>		
	It shall be a portable single gas detector with electrochemical sensor to detect hydrazine N <sub>2</sub> H <sub>4</sub> gas.	
	It should give real time digital N <sub>2</sub> H <sub>4</sub> (Not VOC gases) ppm levels with alarms.	
	The Device should have range 0-5 ppm and resolution: 0.01 ppm having detection response within 30 sec.	
	Device/Sensor should have ATEX/IECEX /CSA approval, certificate shall be produced along with the supply of material. <ul style="list-style-type: none"> <li>➤ ATEX:-I M1 Ex ia I Ma II 1G Ex ia IIC T4/T3 Ga -20 °C ≤ Ta ≤ +55 /40 °C</li> <li>➤ IECEX: -Ex ia I Ma Ex ia IIC T4/T3 Ga -20 °C ≤ Ta ≤ +55 /40 °C</li> <li>➤ CSA: - Class I, Div. 1, Groups A, B, C, D TC T4/T3 Class I, Zone 0, A/Ex ia IIC T4/T3 /Ga</li> </ul>	
	The weight of the device within the range of 250 to 280 gm (48 x 130 x 61 mm-Approximate size).	
	It should be slip proof and compact design.	

	Power pack and sensor should be integral elements of the device	
	Device/Sensor should be intrinsically safe for use in hazardous area classification conforming to Zone 0, Group- IIA, IIB & IIC.	
	Detection of gas should be done by Electrochemical sensor through diffusion method.	
	It should have ingress protection IP 54.	
	It should withstand the mentioned Ambient conditions: <ul style="list-style-type: none"> <li>➤ Temperature- -20 to +50 °C</li> <li>➤ Pressure - Hydrazine sensors should have internal pressure compensation within 700 and 1300 ambient pressure to avoid electrolyte leakages</li> <li>➤ Relative humidity- 10 to 90 % r.h</li> </ul>	
	It should have retrievable data logger.	
	It should have Triple alarm features: visual (360°), audible (multi-tone>90 dB at 1 ft), vibration.	
	Easy to use having two button operation	
	It should be resistant to impact, vibrations and electromagnetic radiation.	
	It should have T4 NiMH rechargeable battery, which can be charged right in the device.	
	Battery charger shall be provided along with device.	
	It should have tight closing crocodile clip for easy fastening.	
	It should have CE mark for Explosion protection – Directive 2014/34/EU Electromagnetic compatibility – Directive 2014/30/EU	
	Sensor calibration certificate shall be produced along with the supply of material.	
	This purchase order shall be valid over a period of 2 years from date of Purchase order.	
	The supplier shall supply the required quantity (Full quantity or Part quantity) of materials as per our requirement over a period of 2 years. Material to be delivered within 4 months from the date of intimation.	
	The party shall provide a minimum of 12 Months warranty from the date of receipt & acceptance of items at our site.	
	Payment shall be made on a pro rate basis against supply of items	