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



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)

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भारत सरकार GOVERNMENT OF INDIA :: अंतरिक्ष विभाग DEPARTMENT OF SPACE सतीश धवन अंतरिक्ष केंद्र शार SATISH DHAWAN SPACE CENTER SHAR श्रीहरिकोटा SRIHARIKOTA :: तिरुपति जिला (आ.प्र.) TIRUPATI DISTRICT (A.P)- 524 124

निविदा सूचना सं. TENDER NOTICE NO. SDSC SHAR/Sr.HPS/PT/RO-LSSF/42/2023-2024

भारत के राष्ट्रपति की ओर से वरि. प्रधान क्रय एवं भंडार, सतीश धवन अंतरिक्ष केंद्र श्रीहरिकोटा निम्नलिखित वस्तओं के लिए ऑनलाइन निविदाएं आमंत्रित करते हैं:- On behalf of President of India, Sr. Head Purchase and Stores, SDSC SHAR, SRIHARIKOTA invites on line quotations for the following.

क्र.सं. SI No	संदर्भ सं. Ref. No.	विवरण Description	मात्रा Qty.
01.	SDSC SHAR /LSSF PURCHASE /LSSF/ 2023001416 [Public Tender - Two Part]	Supply of Hydrazine Hydrate (100% purity)	12000 Kg

निविदा दस्तावेजों को डाउनलोड करने की अंतिम तिथि Last Date for downloading of tender documents : 22.04.2024 at 16:00 hrs.

ऑनलाइन निविदा जमा करने की अंतिम तिथि Due Date for submission of bids online

: 22.04.2024 at 16:00 hrs.

निविदाएं खोलने की नियत तिथि Due Date for opening of tenders

: 23.04.2024 at 14:30 hrs.

#### निविदाकार के लिए निर्देश Instructions to Tenderers:

निविदाएं ईजीपीएस के माध्यम से ही भेजी जाएं तथा कोई निविदा शल्क लाग नहीं होगा। Bids shall be submitted on line through EGPS only and No tender fee shall be applicable.

- 01. 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.
- 02. इच्छुक निविदाकार इसरो की ई-खरीद वेबसाइट इसरो न्यू ई-प्रोकुरमेंट www.eproc.vssc.gov.in से ई-निविदा डाउनलोड और अपनी निविदा ई-खरीद पोर्टल पर ऑनलाइन जमा कर सकते हैं। डांक / वाहक / स्वयं द्वारा प्राप्त निविदाओं पर विचार नहीं किया जाएगा। / Interested tenderers can download the e-tender from ISRO NEW E-PROCUREMENTwebsite www.eproc.vssc.gov.in and submit the offer online in the e-procurement portal. Offers sent physically by post/courier/in person will not be considered.
- 03. निविदा दस्तावेज इसरो की वेबसाइट <u>www.isro.gov.in</u> इसरो न्यू ई-प्रोकुरमेंट वेबसाइट <u>www.eproc.vssc.gov.in</u> तथा सतीश धवन अंतरिक्ष केंद्र शार की वेबसाइट <u>www.shar.gov.in</u> पर भी उपलब्ध हैं। इन्हें केवल ई-खरीद पोर्टल से डाउनलोड और निविदा ऑनलाइन जमा कर सकते हैं। / Tender documents are also available on ISRO website <u>www.isro.gov.in</u> , ISRO New e-procurement website www.eproc.vssc.gov.in and SDSC SHAR, Sriharikota website www.shar.gov.in. The same can be downloaded and offer can be submitted online in the new e-procurement portal only.
- 04. निर्धारित तिथि/समय के पश्चात प्राप्त बोलियों पर विचार नहीं किया जाएगा। / Quotations received after the due date/time will not be
- 05. निविदा दस्तावेज दिनांक 22.04.2024 को 16 00 बजे तक डाउनलोड करने के लिए उपलब्ध रहेंगे तथा निविदा ऑनलाइन जमा करने की अंतिम तिथि 22.04.2024 को 1600 बजे तक है। निविदाएं दिनांक 23.04.2024 को 14:30 बजे खोली जाएंगी। / The tender documents are available for download up to 22.04.2024 at 16 00 hrs. and last date for submission of tenders on line 22.04.2024 at 16 00 hrs. and Tender Opening on 23.04.2024 at 14:30 hrs.
- 06.इच्छुक विक्रेता विवरण जानने के लिए निविदा खोले जाने वाले संत्र में शामिल हो सकते हैं। निविदा के मुल्यांकन पर विचार करने के लिए उनकी उपस्थिति अनिवार्य नहीं है। / Interested vendors can attend the Bid opening sessions to know the details. Presence not mandatory to consider the quote for evaluation.
- 07. वरि. प्रधान क्रय एवं भंडार, सतीश धवन अंतरिक्ष केंद्र श्रीहरिकोटा के पास किसी भी या सभी निविदाओं को स्वीकार / अस्वीकार करने का अधिकार है। I Sr. Head, Purchase and Stores, SDSC-SHAR, Sriharikota reserves the right to accept or reject any/or all the quotations.
- 08. GeM GARPTS Report ID: GEM/GARPTS /30102023/QMRJV6OY1GS1

दिनांक DT: 19.03.2024

भारतीय अंतरिक्ष अनुसंधान संगठन



वरि. प्रधान क्रय एवं भंडार Sr. HEAD PURCHASE AND STORES **Indian Space Research Organisation** 

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## **TENDER SPECIFICATION FOR**SUPPLY OF HYDRAZINE HYDRATE (12000KGS)



# LSSF SATISH DHAWAN SPACE CENTRE SHAR SRIHARIKOTA 524 124 INDIAN SPACE RESEARCH ORGANISATION

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#### **SPECIFICATION FOR SUPPLY OF HYDRAZINE HYDRATE**

- **1. Scope:** Supply of **Hydrazine Hydrate** to Satish Dhawan Space Centre SHAR, Sriharikota, India as per the specifications and conditions.
- 2. Quantity required: Total 12000Kgs of Hydrazine Hydrate of 100% purity grade to be supplied within 6 months from date of release of Purchase Order in a single lot.
- **3. Specification**: The product to be delivered shall comply with the following properties.
- 4. Properties of Hydrazine Hydrate-100%:

Sl. No	Specification (% by Weight)	Requirements		
1.	Hydrazine	64.0 % (63.4% min)		
2.	Water	36.0 %		
3.	Sulfate as SO4	0.0001% max.		
4.	Chloride as Cl	0.0001% max.		
5.	Iron as Fe	0.00005% max.		
6.	Heavy metals as Pb	0.0001% max.		
7.	Non volatile matter	0.005% max.		
Physical Properties:				
8.	Density (g/cc)	1.032 Nominal		
9.	Boiling Point (°C)	121		
10.	Appearance	Colourless & clear		

a) Each spell of consignment sample has to be analyzed for compliance of Chemical content specifications and the report has to be submitted to the purchaser before dispatch.

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#### 5. Dispatch & Delivery:

- 5.1. The supplier has to deliver hydrazine hydrate of 12000Kgs of Hydrazine Hydrate of 100% purity grade to be supplied within 6 months from date of release of Purchase Order in a single lot.
- 5.2. Prices and P.O. shall be valid for one year from the date of PO
- 5.3. The consignment shall be delivered FOR: SDSC SHAR, Sriharikota.
- 5.4. The supplied lot/batch of Hydrazine Hydrate shall be a **latest or manufactured** within 2months of the intimation date.
- 5.5. The shelf life shall be minimum one year from the date of supply.
- 5.6. The supplier shall supply the material to SDSC SHAR at his own cost and risk.
- 5.7. The consignment will be weighed and confirmatory chemical analysis will be carried out at SHAR, Sriharikota at our laboratory.
- 5.8. The total lot will be rejected if it fails to meet the required specification.
- 5.9. **Packing:** The chemical in the barrels will be transferred to the purchaser's storage tank and the empty barrels will be returned back to the supplier in the same vehicle. However, the conditioning of empty barrels for further use is not in the scope of the purchaser.
- 5.10. Allowable Variation is  $\pm$  50 kg of total quantity
- 5.11. **MARKING:** The supplier has to mark/indicate the Hydrazine Hydrate Chemical name, Hazard group and safety precautions to be taken in case of any leakage or fire hazard as per the Material Safety Data Sheet (MSDS) on 200 Kg drums/ Barrels.
- 5.12. **Safety:** Considering the toxic nature of the product, suitable precautionary measures shall be taken during transportation to avoid damage to the containers and leaks to surrounding environment.
- 5.13. Documentation: Each spell of consignment sample has to be analyzed for compliance of Chemical content specifications and the report has to be submitted to the purchaser before dispatch.

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#### **6. GENERAL CONDITIONS:**

- 6.1. All correspondences and documents exchanged between the supplier and the Purchaser in relevance to this transaction shall be maintained in strict confidentiality. No details, either direct or indirect, in relevance to this enquiry shall be disclosed to any third party.
- 6.2. Compliance: Point wise compliance to the tender specifications shall be submitted and any deviation from the specification shall be highlighted clearly in the offer. Technical compliance duly filled by the party as per Annexure-I to be submitted along with the offer.
- 6.3. **Pricing:** The supplier shall quote the price of the item considering the cost of the returning empty barrel cost reduction.
- 6.4. We are interested to procure the item on firm price basis FOR Sriharikota for the total quantity supply.
- 6.5. After the returning of empty barrels, purchaser will not hold any responsibility for the events / mishaps arise due to the handling/usage of empty barrels without decontamination by the supplier or any other agency to whom the empty barrels are sold by the supplier.
- 6.6. Insurance of materials/ manpower used for transportation shall be arranged by the Supplier only.
- 6.7. The supplier shall submit the Chemical analysis report of Hydrazine Hydrate (HH) along with the offer provided by manufacturer.

#### 7. Bid/Offer Submission details:

- 7.1. Supplier shall present the bids on Two-part basis as highlighted below:
  - ✓ Part-I: Techno-Commercial bid
  - ✓ Part-II: Price bid.
- 7.2. Part-I: Techno-Commercial bid: The tenderer shall necessarily present the following in the techno-commercial bid:
  - 7.2.1. The tenderer shall furnish point-wise **confirmation (Technical Compliance attached in Annexure-II)** for the technical specifications

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given in the enquiry. However, change of specifications/ deviations (if any) shall be brought out in the offer with detailed justification. Suppliers are expected to furnish quotations with best match to all technical conditions.

- 7.2.2. The tenderer shall necessarily furnish the details of previously executed orders. Necessary documentary evidence shall be submitted along with offer as a mandatory requirement. Non-compliance of this requirement shall lead to rejection of the offer.
- 7.2.3. Supplier shall produce previous similar purchase orders (P.O) for supply of Hydrazine Hydrate as a documentary proof without which offer will not be considered.
- 7.2.4. Tenderer need to furnish the details related to commercial terms indicating payment terms, details of bank guarantee in case of advance payments & name of Third-Party Inspection agency proposed etc.
- 7.2.5. The Bidders shall indicate clearly the delivery/time period for supplying the items to SDSC SHAR.
- 7.2.6. Bidder need to submit unpriced price bid copy (as highlighted below) indicating the description of all the cost elements considered, without indicating the price. Tenderer shall note that indication of price in the techno-commercial bid shall lead to disqualification of bid.
- 7.2.7. The price bids will be opened only after evaluation and acceptance of the technical bid of the respective tenderer.

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#### 7.3. **Format of Un-Priced Price Bid:**

Sl. No	Item Description	Quantity (Kgs)	Cost/Kg (Rs)	Total Cost (Rs)	Separate Cost mentioned in price bid (YES/NO)
1.	Supply of Hydrazine Hydrate (100% purity grade)	12000	Cost to be indicate only in the price		
2.	Transportation Charges		bid	bid	
3.	Taxes (as applicab	le), if any			

#### 7.4. Part-II: Price bid indicating the price:

Price bid should be submitted by the tenderer in the following format with price break up.

Sl. No	Item Description	Quantity (Kgs)	Cost/Kg (Rs)	Total Cost (Rs)
1.	Supply of Hydrazine Hydrate (100% purity grade)	12000		
2.	Transportation Charges			
3.	Taxes (as applicable), if	any		

**Bid Evaluation criteria:** Total Landed cost at SDSC SHAR (Basic Cost of each item

+ Transportation Charges from ex-works to SDSC-SHAR + taxes as applicable+) will be the basis for evaluation of offer.

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#### 8. Offer Validity:

The validity of the offers / tenders should be 120 days from the date of opening of the tenders. **Tenders with offer validity less than the period mentioned above, will not be considered for evaluation**.

#### 9. Taxes and Duties:

#### 9.1. **GST**

As per the notification No. 07/2018 Dt.25.01.2018 issued by MoF, GST rate for consumables used for Launch Vehicles, Satellites and payloads shall be 5%.

#### 9.2. **Custom Duty:**

As per Notification No. 05/2018 CUSTOMS Dtd. 25.01.2018 ISRO is eligible to reduced rate of customs duty @ 10.775% (CD@5%+Surcharge@10%+IGST@5%).

In case of foreign component involved, we will provide Customs Duty Exemption Certificate in case of Import Orders/ imported supplies/ High Sea Sales. In this connection, tenderer has to provide the following.

- a) Please indicate whether your rate is inclusive of this Customs duty @ 10.775% or extra.
- b) What would be the percentage of foreign exchange component you have considered in your quote.
- c) Please note that in case of Two-part tenders, only percentage should be mentioned otherwise those offers shall be summarily rejected.

#### 10. Payment Terms

Our general payment terms are 100% payment within 30 days after receipt, analysis and acceptance of items at purchaser's (SDSC-SHAR, Sriharikota) site of each lot (pro-rata payment).

#### 11. Mode of Payment

Bidders can submit the banker details and payments can be made through NEFT/RTGS/ECS through PFMS.

#### 12. Liquidated Damages

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The delivery of total quantity shall be within 6 months from the date of PO. Since delivery is the essence of this order, LD @ 0.5% per week or part thereof subject to a maximum of 10% for the delayed period of supply.

#### 13. Security Deposit

Security Deposit for 3% of the order value is mandatory. Party shall furnish the Security Deposit in the form of Bank Guarantee from nationalized/scheduled bank or by Demand Draft valid till completion of the total delivery period (24months) plus sixty days for faithful execution of the contract.

#### 14. Force Majeure

Should a part or whole work covered under this purchase order be delayed due to reasons of Force Majeure which shall include legal lockouts, strikes, riots, civil commotion, fire accident, quarantines, epidemic, natural calamities and embargoes the completion period for work, equipment referred to in this agreement shall be extended by a period not in excess of the duration of such Force Majeure. The occurrence shall be notified within reasonable time.

#### 15. Applicable Law and Jurisdiction

The laws of India shall govern this contract for the time being in force. The Courts of Andhra Pradesh, India only shall have jurisdiction to be with and decide any legal matters or disputes what so ever arising out of the contract.

#### 16. Arbitration

The Work Order shall be interpreted, construed and governed by the Laws in India. In the event of any dispute(s) and/or difference(s) arising out of or relating to the interpretation and application of the Work Order, such dispute(s) and/or difference(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) and/or difference(s), the unsolved dispute(s) and/or difference(s) shall be referred to the Arbitrators appointed by the Parties by mutual consent in accordance with the rules and procedures of Arbitration and Conciliation Amendment Act, 2015 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

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the Arbitrator shall be final and binding between the Parties. The applicable language for Arbitration shall be "English" only.

Services under the Work Order shall be continued by Party 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 Centre (SDSC SHAR) or unless the matter is such the Work Order cannot be possible continued until the decision (whether final or interim) of the Arbitrator is obtained.

#### 17. Minimum Qualification criteria:

- 17.1. Tenderers should have satisfactorily executed the following Supply of Hydrazine Hydrate as per the specification (i.e for 100% concentration) in the last 5 years ending with **31.12.2023** as per the criteria given below. (Note: POs for supply of hydrazine Hydrate with less than 100% concentration are not acceptable)
  - 17.1.1. Single order of value not less than Rs.48 Lakhs. (or)
  - 17.1.2. Two orders of value not less than Rs.36 lakhs each. (or)
  - 17.1.3. Three orders of value not less than Rs.24lakhs each.
- 17.2. Details of the last five years purchase orders for supply of Hydrazine Hydrate shall be submitted along with offer.
- 17.3. Tenderers should have average annual turnover for the last three years (FY: 2020-21, 2021-22 & 2022-23) of **Rs.48 Lakhs.**
- 17.4. The Bidders shall submit Proof for the turnover as part of offer
- 17.5. Latest Solvency certificate form any Nationalized/Scheduled bank shall be submitted for a value of minimum **Rs.24Lakhs.** The Solvency certificate must have been issued during current financial year.
- 17.6. The firm must provide a self-declaration that they have not been black listed by any Govt. Department/PSU.
- 17.7. Technical proposal of the bidder, which is not able to substantiate/satisfy the claims made by it with respect to the technical requirements laid down in tender document, will be summarily rejected.

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#### 18. Bid Evaluation criteria:

- 18.1. In respect of Two-Bid system, the technical Bids forwarded by the Bidders will be evaluated by the Department with reference to the technical specifications. The compliance of Technical Bids would be determined on the basis of the parameters specified in the tender document. The Price Bids of only those Bidders will be opened whose Technical Bids would clear the technical evaluation.
- 18.2. During evaluation, SDSC SHAR may request Bidder for any additional clarification/document on the bid, if required.
- 18.3. Performance of Bidder on similar nature of works executed/ under execution will be taken into consideration before selecting the Bidder for opening his price bid (as per qualification criteria).
- 18.4. The time schedule for completion is given in the Proposal document. Bidder is required to confirm the completion period unconditionally.
- 18.5. SDSC SHAR reserves the right to reject any bid if not meeting the technical/commercial requirements and terms & conditions. Such decisions by the SDSC SHAR shall bear no liability whatsoever consequent upon such decision.
- 18.6. Purchaser reserves the right for evaluation of any bidder by visiting his manufacturing premises towards acceptance of the techno-commercial bid. The decision of the purchaser is final in this regard.

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**Annexure-I** 

## <u>Technical Compliance</u> (To be submitted by the bidder along with Technical Bid)

Tenderer shall furnish point-wise confirmation for the following. Change of specifications/deviations (if any) shall be brought out in the offer with detailed justification.

Sl.No	ISRO Description	Technical Compliance (To be filled by the supplier)
1	Supply of Hydrazine Hydrate to SDSC SHAR, Sriharikota,	
	India as per specifications and conditions.	
2	Purity:  a) Hydrazine: 64.0 % (63.4% min) b) Water: 36.0 % c) Sulphate as SO4: 0.0001% max. d) Chloride as Cl: 0.0001% max. e) Iron as Fe: 0.00005% max. f) Heavy metals as Pb: 0.0001%max. g) Non-volatile matter: 0.005% max.	
3	Physical Properties:  a) Density (g/cc): 1.032 Nominal b) Boiling Point (°C): 121 c) Appearance: Colourless & clear	
4	Each spell of consignment sample has to be analyzed for compliance of Chemical content specifications and the report has to be submitted to the purchaser before dispatch.	
5	Considering the toxic nature of the product, suitable precautionary measures shall be taken during transportation to avoid damage to the containers and leaks to surrounding environment.	
6	Total 12000Kgs of Hydrazine Hydrate of 100% purity grade to be supplied within 6 months from date of release of Purchase Order in a single lot., However, Prices and P.O. shall be valid for one year from the date of PO	
7	The consignment delivery to SDSC SHAR, Sriharikota.	
8	The chemical in the barrels will be transferred to the purchaser's storage tank and the empty barrels will be returned back to the supplier in the same vehicle. However, the conditioning of empty barrels is not in the scope of the purchaser.	
9	The supplier shall quote the price of the item considering the cost of the empty barrel reduction.	

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Sl.No	ISRO Description	Technical Compliance (To be filled by the supplier)
10	After the returning of empty barrels, purchaser shall not hold any responsibility for the mishaps arise due to the usage of empty barrels without de-contamination by the supplier or any other agency to whom the empty barrels are sold by the supplier	
11	The consignment will be weighed and confirmatory chemical analysis will be carried out at SHAR, Sriharikota.	
12	The total lot will be rejected if it fails to meet the required specification.	
13	Our general payment terms are 100% payment within 30 days after receipt, analysis and acceptance of items at purchaser's (SDSC-SHAR, Sriharikota)	
14	The supplied lot/batch of Hydrazine Hydrate shall be a latest or manufactured within 2months of the intimation date.	
15	Insurance of materials/ manpower used for transportation shall be arranged by the Supplier only.	
16	All correspondences & documents exchanged between the supplier & Purchaser in relevance to this transaction shall be maintained in strict confidential. No details, either direct or indirect, in relevance to this enquiry	
17	Supplier has to bring out the deviations with reference to specifications & general conditions, if any, clearly indicating proposed changes in the offer.	
18	The supplier shall submit the Chemical analysis report of Hydrazine Hydrate (HH) along with the offer provided by manufacturer.	
19	Total Landed cost at SDSC SHAR (Basic Cost of each item + Transportation Charges from ex-works to SDSC-SHAR + taxes as applicable) will be the basis for evaluation of offer.	
20	The supplier has to deliver HH of 12000Kgs of Hydrazine Hydrate of 100% purity grade to be supplied within 6 months from date of release of Purchase Order in a single lot.	
21	As per the notification No. 07/2018 Dt.25.01.2018 issued by MoF, GST rate for consumables used for Launch Vehicles, Satellites and payloads shall be 5%.Party shall confirm GST of 5% is only considered	
22	In case of foreign component involved, As per Notification No. 05/2018 CUSTOMS Dtd. 25.01.2018 ISRO is eligible to	

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Sl.No	ISRO Description	Technical Compliance (To be filled by the supplier)
	reduced rate of customs duty @ 10.775% (CD@5%+Surcharge@10%+IGST@5%).	
23	Indicate whether your rate is inclusive of this Customs duty @ 10.775% or extra.	
24	Percentage of foreign exchange component you have considered in your quote. Since, it is a two part bid only percentage shall be mentioned.	
25	Party shall submit all the proofs as per the serial number 17(minimum qualification criteria) of attached specifications	
26	Party shall submit the source of supply or details of the manufacturer for 100% purity grade. Analysis certificate of 100% purity grade source or manufacturer of previous supply shall be submitted along with the offer without which offer will not be valid.	