

Annexure-A:

Scope of Work, Supply & Technical Specification and other T&C of Contract

1. Technical specification and other details of (FKM) Fluroelastomer O-rings

Sr. No.	Description	Requirement	Bidder Compliance (Yes/No), remarks if any
1	Dimension and quantity of O rings	As per attached Annex. 1	
2	Application	High Vacuum environment	
3	Material of O ring (Certificate of Raw material Grade/Type should be given prior to dispatch)	FKM (Fluoroelastomer) Grade : Viton A or Viton B	
4	Surface finish	Smooth surface, free from any scratches, dents and imperfections (should be suitable for ultra-high vacuum sealing application)	
5	Colour	Black	
6	Hardness (NABL accredited lab Test Certificate of hardness test should be given prior to dispatch)	75 ± 5 (shore A) ASTM D2240	
7	Density (NABL accredited lab Test Certificate of density should be given prior to dispatch)	1.90 ± 5 gm/cm ³ ASTM D792	
8	Tensile Strength (NABL accredited lab Test Certificate of Tensile strength should be given prior to dispatch)	8.4 ± 0.5 Mpa ASTM D412	
9	Price	Price quoted in BoQ shall be exclusive of applicable taxes& duties and on free door delivery basis.	Yes/No Please mention applicable GST in % _____

2. Technical specification and other details of Silicon Rubber O-rings

Sr. No.	Description	Requirement	Bidder Compliance (Yes/No), remarks if any
1	Dimension and quantity of O rings	As per attached Annex. 1	
2	Application	High Vacuum environment	
3	Material of O ring (Certificate of Raw material Grade/Type should be given prior to dispatch)	Silicon rubber	
4	Surface finish	Very smooth surface, free from any scratches, dents and imperfections (should be suitable for ultra-high vacuum sealing application)	
5	Colour	Any	
6	Hardness (NABL accredited lab Test Certificate of Hardness test should be given prior to dispatch)	60 \pm 5 (shore A) ASTM D2240	
7	Density (NABL accredited lab Test Certificate of density should be given prior to dispatch)	1.90 \pm 5 gm/cm ³ ASTM D792	
8	Tensile Strength (NABL accredited lab Test Certificate of Tensile strength should be given prior to dispatch)	7 \pm 1.0 Mpa ASTM D412	

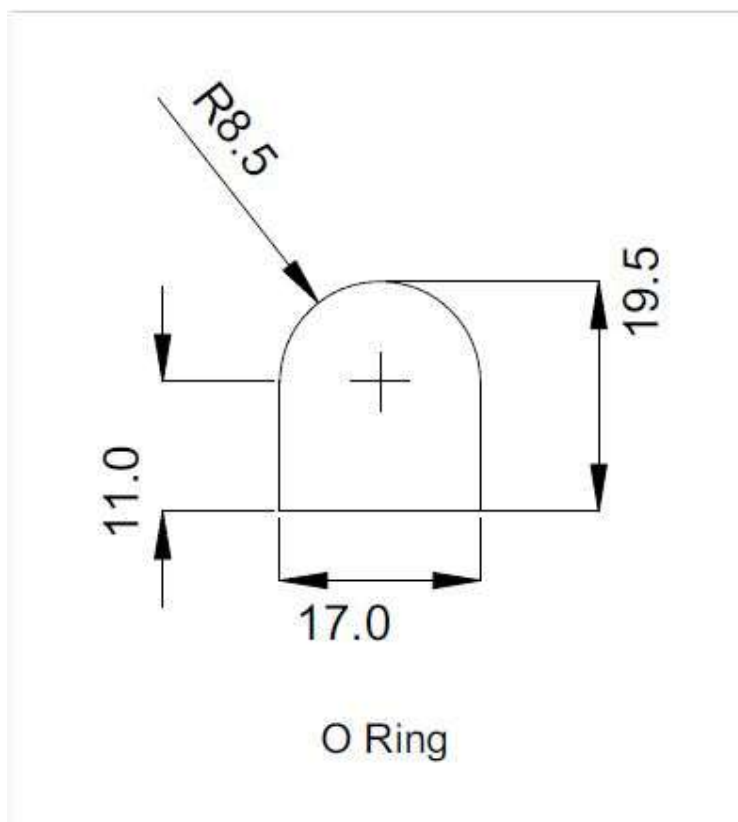
9	Price	Price quoted in BoQ shall be exclusive of applicable taxes& duties and on free door delivery basis.	Yes/No Please mention applicable GST in % _____
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3. Technical specification and other details of Silicon Rubber Cord

Sr. No.	Description	Requirement	Bidder Compliance (Yes/No), remarks if any
1	Dimension and quantity of O rings	As per attached Annex. 1	
2	Application	High Vacuum environment	
3	Material of cord (Certificate of Raw material Grade/Type should be given prior to dispatch)	Silicon rubber	
4	Surface finish	Very smooth surface, free from any scratches, dents and imperfections (should be suitable for ultra-high vacuum sealing application)	
5	Colour	Any	
6	Hardness (NABL accredited lab Test Certificate of Hardness test should be given prior to dispatch)	60 ± 5 (shore A) ASTM D2240	
7	Density (NABL accredited lab Test Certificate of density should be given prior to dispatch)	1.90 ± 5 gm/cm ³ ASTM D792	
8	Tensile Strength (NABL accredited lab Test Certificate of Tensile strength should be given prior to dispatch)	7 ± 1.0 Mpa ASTM D412	

9	Price	Price quoted in BoQ shall be exclusive of applicable taxes & duties and on free door delivery basis.	Yes/No Please mention applicable GST in % _____
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4. Silicone Rubber Oring and Silicone Rubber cord cross section drawing



Note : All dimensions are in mm

Drawing of Silicon Oring

5. Packing: -

The vendor should supply O-rings in sealed polythene bags category wise (as mansion various size in Annex #1) and description label (O-ring size and quantity) should be on each polythene bag.

6. Dispatch Clearance

Dispatch clearance will be issued by purchaser after approval of all documents (as mentioned Sr. No.7) submitted by the supplier.

7. Documents deliverables before dispatch

The supplier shall provide below mentioned documents before dispatch of FKM Orings and Silicone Orings.

FKM Orings:

- The supplier shall provide raw material test certificate for FKM Oring.
- The supplier shall provide Hardness test certificate for FKM Oring.
- The supplier shall provide Density test certificate for FKM Oring.
- The supplier shall provide Tensile test certificate for FKM Oring.

Silicon Orings:

- The supplier shall provide raw material test certificate for Silicone Oring.
- The supplier shall provide Hardness test certificate for Silicone Oring.
- The supplier shall provide Density test certificate for Silicone Oring.
- The supplier shall provide Tensile test certificate for Silicone Oring.

8. Factory Acceptance Test (FAT)

The ITER-India representative will witness the FAT at supplier's site.

The FAT includes visual inspection and dimension inspection of FKM Orings and Silicon Orings.

The FAT report will be prepared by supplier and approved by ITER-India.

Based on successful FAT of FKM Orings and Silicone Orings, the dispatch clearance note will be issued by ITER-India.

11. Delivery Location:

ITER-India Lab Building (DNB Lab), Institute for Plasma Research Near Mother Dairy, Bhat Village, Gandhinagar-382 428, Gujarat, India

12. Payment Term:

Payment will be made within 30 days through NEFT/RTGS from the date of final acceptance on submission of error free invoice along with all supporting documents.

13. Price Basis:

Price basis in BoQ shall be **exclusive** of taxes, duties & any other charges & on free door delivery basis.

14. Cancellation/Termination of Contract

14.1 Termination of Contractor/Service Provider for default

14.1.1 The Purchaser may, without prejudice to any other remedy for breach of Order/CONTRACT, by written notice of default sent to the Contractor/Service Provider, terminate the Order/CONTRACT in whole or in part in circumstance detailed hereunder:

14.1.1.1 If the Contractor/Service Provider fails to supply/provide any or all of the deliverable items/service, within the time period(s) specified in the Order/CONTRACT or any extension thereof granted by the Purchaser or within the period (10 weeks) till which the maximum LD amount is reached.

14.1.1.2 If the Contractor/Service Provider fails to perform any other obligation(s) under the Order/CONTRACT within the period specified in the Order/CONTRACT or any extension thereof granted by the Purchaser

14.1.2 In the event the Purchaser terminates the CONTRACT in whole or in part, the Purchaser may take recourse to any one or more of the following actions. However, the Contractor shall continue to perform the CONTRACT to the extent not terminated

14.1.2.1 The Purchaser may procure, upon such terms and in such manner as it deems appropriate, items similar to those covered under the terminated Order/CONTRACT and the Contractor/Service Provider shall be liable to the Purchaser for all costs incurred in purchasing such goods subject to maximum liability cap of total Order/CONTRACT value.

14.1.3 If the Order/CONTRACT is terminated as provided in clause 13.1, the Purchaser in addition to any other rights provided in the clause, may require the Contractor/Service Provider to transfer title and deliver to the Purchaser any completed items that are found to be useful and acceptable to the Purchaser. The Purchaser shall pay to the Contractor/Service Provider, the Order/CONTRACT price of such completed items that are delivered to and accepted by the Purchaser.

14.1.4 The termination will not relieve the Contractor/Service Provider from submitting the Performance Bank Guarantee for the portion not terminated.

15 Compliance to Make in India (MII)

15.1 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. 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 a chartered accountant for OEMs other than companies as per the Public Procurement (preference to Make-in -India) order 2017 dated 04.06.2020. Only Class-I and Class-II Local suppliers as per MII order dated 04.06.2020 will be eligible to bid. Non - Local suppliers as per MII order dated 04.06.2020 are not eligible to participate. However, eligible micro and small enterprises will be allowed to participate. The buyers are advised to refer the OM

No.F.1/4/2021-PPD dated 18.05.2023.

- 15.2 OM No.1 4 2021 PPD dated 18.05.2023 for compliance of Concurrent application of Public Procurement Policy for Micro and Small Enterprises Order, 2012 and Public Procurement (Preference to Make in India) Order, 2017.

16 Compliance to Land Border Sharing

- 16.1 Any bidder from a country that shares a land border with India(i) , excluding countries as listed on the website of the Ministry of External Affairs(ii) , to which the Government of India has extended lines of credit or in which the Government of India is engaged in development projects (hereinafter called 'Restricted Countries') shall be eligible to bid in this tender only if Bidder is registered(iii) with the Registration Committee constituted by the Department for Promotion of Industry and Internal Trade (DPIIT). Bidders shall enclose the certificate in this regard as per Annexure-III
<https://mea.gov.in/india-and-neighbours.htm> (ii)
<http://meadashboard.gov.in/indicators/92> (iii)
<https://dipp.gov.in/sites/default/files/Revised-Application-Format-for-Registration-of-Bidders-15 Oct 2020.pdf>

- 16.2 Bidder from such Restricted Countries" means: - a) An entity incorporated, established, or registered in such a country; or b) A subsidiary of an entity incorporated, established, or registered in such a country; or c) An entity substantially controlled through entities incorporated, established, or registered in such a country; or d) An entity whose beneficial owner is situated in such a country; or e) An Indian (or other) agent of such an entity; or f) A natural person who is a citizen of such a country; or g) A consortium/ joint venture where any member falls under any of the above.

17 Following Annexures need to be submitted by bidders duly filled and signed with official seal along with bid submission.

Annexure-A : Scope of Work, Supply & Technical Specification and other T&C of Contract

Annexure-I : Dimension & Qty.

Annexure-II : Self-declaration by Bidder of a country sharing/not sharing land border with India

Annexure-III: Self-Certification under preference to Make in India order Certificate

Bidder Signature		
Name of the signatory & Title	Name	Title
Bidder's Official seal		
Place & Date	Place	DD-MM-YYYY

Annexure-I

Dimensions and quantity of FKM O-rings

Sr. No	FKM Oring (Circular cross section)	Circular cross section (mm)	O-ring length (mm)	Required Quantity (nos.)	Bidder Compliance (Yes/No), remarks if any
1	Top lid Inner O-ring (Oring ends joint by vulcanization)	17	23800 (mm in length)	2	
2	Top lid Outer O-ring (Oring ends joint by vulcanization)	17	24400 (mm in length)	2	

Dimensions and quantity of Silicon O-rings

Sr. no	Silicone Oring (customized cross section)	O-ring length (mm)	Required Quantity (nos.)	Dimension and shape	Bidder Compliance (Yes/No), remarks if any
1	Top lid Inner O-ring (Oring ends joint by vulcanization)	23800 (mm in length)	2	As per attached drawing	
2	Top lid Outer O-ring (Oring ends joint by vulcanization)	24400 (mm in length)	2	As per attached drawing	

Table # 3 Details of Silicon Cord

Sr. no	Silicone Cord (customized cross section)	Cord length (mm)	Required Quantity (nos.)	Dimension and shape	Bidder Compliance (Yes/No), remarks if any
1	Silicon Cord with open ends	50 meter	1	As per attached drawing	

Bidder Signature		
Name of the signatory & Title	Name	Title
Bidder's Official seal		
Place & Date	Place	DD-MM-YYYY

[ON THE LETTER HEAD OF THE COMPANY]

Ref: 1) Our bid/offer No. dated

2) Bid for Supply of Fluroelastomer (FKM) O-ring, Silicon Rubber O-ring and Silicon Rubber Cord

Restrictions on procurement from Bidders from a country or countries, or class of countries under Rule 144(xi) of the General Financial Rules 2017.

We have read the clause regarding restrictions on procurement from Bidder of a country which shares a land border with India and on sub-contracting to contractors from such countries, and solemnly certify that we fulfil all requirements in this regard and are eligible to be considered. We certify that:

- (a) *we are not from such a country or, if from such a country, we are registered with the Competent Authority (copy enclosed). and;*
- (b) *we shall not subcontract any work to a contractor from such countries unless such contractor is registered with the Competent Authority and solemnly certify that we are not from such a country or, if from such country, we are registered with the Competent Authority (copy enclosed). We hereby certify that we fulfil all requirements in this regard and are eligible to be considered.”*

Penalties for false or misleading declarations:

We hereby confirm that the particulars given above are factually correct and nothing is concealed and also undertake to advise any further changes to the above details. We understood that any wrong or misleading self-declaration by us would be violation of Code of integrity and would attract penalties as mentioned in this tender document, including debarment.

Signature
stamp
Name:
Position:
Address:
Tel:
Fax:

Bidder's

Annexure – III

(to be printed in letter head)

Self-Certification under preference to Make in India order **Certificate**

In line with Government Public Procurement Order No. P-45021/2/2017-PP (BE-II) dated 04.06.2020 as amended from time to time and as applicable on the date of submission of tender/enquiry, we hereby certify that we M/s _____ are Class I local supplier/ Class II local supplier/Non-Local supplier and quoted item/service against ITER-India Enquiry/Tender No. Dated has/have local content i.e., _____%. Details of location at which local value addition will be made as follows:

We also understand, false declarations will be in breach of the code of integrity under rule 175(1)(i)(h) of the General Financial Rules for which a bidder or its successors can be debarred for up to two years as per Rule 151(iii) of the General Financial Rules along with such other actions as may be permissible under law.

Thanking You

Signature with date:

Name:

Designation:

Official Seal