



**ITER-India, Institute for Plasma Research**

Block A, Sangath SKYZ, Bhat- Motera Road, Koteshwar, Ahmedabad 380005 Gujarat, India.

www.iter-india.org

**Email:** ecrh.group@iter-india.org

## Minor Fabrication Work

### ENQUIRY - LOCAL

OFFICE COPY                      ENQUIRY NO                      : II/ECH/2021/003  
Date                                      : 25/05/2021  
Due Date                                : 14/06/2021 by 5:00 PM (IST)

We invite your rate/s for the following item/s. The Instructions to bidders and Terms & Conditions are attached herewith.

#### Important Note :

1. ITER-India, IPR is entitled to avail concessional rate of GST @ 5% (2.5% CGST and 2.5% SGST) as per Central Goods and Service Tax (CGST) Notification No. 45/2017-Central Tax (Rate) dated 14th November, 2017, State Goods and Service Tax (SGST) Notification No. 45/2017 – State Tax (Rate) dated 15th November, 2017 and IGST @ 5% as per Notification No. 47/2017-Integrated Tax (Rate) dated 14th November, 2017 for supply of Goods. Therefore, please consider GST in your quotation accordingly.
2. Quote with complete technical details.
3. Any clarification on this enquiry may be sought from ecrh.group@iter-india.org

Sr No.	Material Description	Quantity	Unit
1	Supply of Carbon free Non Conducting flexible hoses along with fittings	1	LOT

#### Note:

- (1) Technical Specifications are given in the Annexure – A
- (2) Technical specification shall be signed and stamped by the bidder and submitted along with the offer. This shall be considered as acceptance of the specification by the bidder

Encl:- as above

**Project Manager**  
**(S. Laxmikant Rao)**

**ECRH**  
**ITER-India**

**Note:** This Enquiry is electronically generated and no signature is required.

## TERMS AND CONDITIONS

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1. The quotation and any order resulting from this enquiry shall be governed by our Conditions of Order and supplier quoting against this enquiry shall be deemed to have read and understood the same in total
2. Where counter terms and conditions have been offered by the Tenderer, the same shall not be deemed to have been accepted by ITER-India unless our specific written acceptance thereof is obtained.
3. Quotation: Your quotation superscripting our enquiry No., date, due date and brief description of item should be submitted in sealed envelope on or before the due date. Late/ Delayed/incomplete quotations will not be considered. Envelopes received without Enquiry number, date, due date and brief description of item may be rejected.
4. The quoted prices should be firm for a period of 30 days from due date of bid submission. ITER-India is not bound to accept lowest rate/s. Bidder shall submit the price bid/offer on Bidder's letter head with official seal and sign on each page.
5. The bid documents shall be prepared in English language only
6. All pages of the bid documents shall be numbered. Each page of the bid document shall be stamped and initialized.
7. In the event of any date indicated above is a declared Holiday, the next working day with the same time limit shall become operative for the respective purpose mentioned herein
8. In case of deviation in payment terms including demand of advance other than specified in payment schedule and accepted by ITER-India, prevailing Prime Lending Rate (PLR) of SBI will be loaded for price comparison purpose
9. ITER-India and their authorized representatives may visit the Contractor/Sub-contractors if required as part of technical evaluation process
10. ITER-India reserves the right to place order on one or more parties.
11. Specifications: Material should be offered strictly conforming to our specifications/drawings, if any. Deviation, if any, should be clearly indicated by the supplier in their quotation. The Tenderer should also indicate the Make/Type number of the materials offered and catalogues, technical literature and samples, wherever necessary should accompany the quotation. Clarification/s on specifications/drawings should be obtained from Purchaser before submitting quotation.
12. Terms of Prices : Quotation should be submitted on door delivery basis, duly packed without extra charge wherever possible.
13. Unit rate/s should be valid throughout the validity of Purchase Order for addition/deletion purposes. Break-up of price should be furnished. The quoted price should not be subject to price escalation for whatsoever reasons. The quoted price shall be firm, fixed and non-revisable during the validity/ extended validity of Purchase Order.
14. Prices are required to be quoted according to the units indicated in the tender form/Enquiry. When Quotations are given in terms of units other than those specified in the tender form, relationship between the two sets of units must be furnished.
15. Tender should be free from Correction and Erasures. Corrections, if any, must be attested. 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. Unsigned quotations will summarily be rejected.
16. ITER-India 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 the quantity offered and the tenderers shall supply the same at the rates quoted. ITER-India also reserves the right to split the order at its sole discretion
17. Delivery Date/Period: Delivery period is essence of the Order. Supplier must indicate the firm delivery date by which the materials will be dispatched / delivered by them from the date of our order.
18. Inspection: Materials on its arrival at ITER-India will be inspected by our Engineer/Stores In-Charge, and his decision in the matter will be final. However, where the items are required to be inspected at the Suppliers Premises, Supplier has to give advance notice to the Purchaser regarding readiness of the material to enable Purchase/Stores section to depute his representative for inspection.
19. Payment: Payment will be arranged for accepted materials only within 30 days from the date of acceptance of materials at ITER-India and receipt of error free bills in our accounts section, complete in all respects.
20. No correspondence will be entertained within 30 days from the date of receipt of material and bills, whichever is later.
21. Warranty: The Stores/Items offered should be guaranteed for a minimum period of twelve months from the date of acceptance, against defective materials, design, workmanship, operation or manufacture. For defects noticed and communicated during the Guarantee period, replacement/rectification should be arranged free of cost within a reasonable period of such notification. In case where our specifications call for a guarantee period more than 12 months specifically, then such a period shall apply.
22. The Contractor/Supplier shall at all times indemnify the purchaser against all claims which may be made in respect of the stores for infringement of any right protected by Patent, Registration of design or Trade Mark and shall take all risk of accidents or damage, which may cause failure of supply from whatever cause arising and the entire responsibility for sufficiency of all means used by him for the fulfillment of the Order.
23. Non-compliance to tender specifications and/or tender scope and/or tender terms and conditions are liable for rejection. Decision of ITER-India in respect of non-compliance shall be final and binding on the bidders.
24. Canvassing in any form with regard to this tender will lead to rejection of the bid.
25. The Project Director, ITER-India reserves the right to accept or reject any quotations fully or partly or to cancel the enquiry without assigning any reasons.
26. This enquiry is not a commitment and the Purchaser reserves the right to reject or cancel any or all offers.
27. Jurisdiction: The Order shall be governed by the Laws of India for the time being in force. The Courts of Ahmedabad/Gandhinagar only shall have jurisdiction to deal with and decide any legal or dispute arising out of this Order.
28. Unsuccessful bidders will not be intimated about the results of the enquiry/tender.
29. Purchase will not be responsible for payment of any interest to the Supplier, in case of delay in releasing payment.
30. The price evaluation shall be carried out on Landed price including taxes, duties and all other applicable charges.

## FORMAT FOR SUBMISSION OF QUOTATION

Enquiry No. : II/ECH/2021/003  
Name Of Party : OFFICE COPY  
Quotation No. & Date :  
Due on : 14/06/2021 by 5:00 PM (IST)

Sr No.	Material Description	Qty	Unit	Rate	Total
1	Supply of Carbon free Non Conducting flexible hoses along with fittings	1	LOT		
				Grand Total	

### COMMERCIAL TERMS & CONDITIONS \*

Sr.No	Description	Bidder's Compliance [Comply Yes/No (In case of No Please provide details)]
1	Payment: ITER-India payment terms will apply (Refer Sr. No. 19 of Terms and Condition)	
2	Validity Period (Refer Sr.No. 4 Of Terms and Condition)	
3	Warranty (Refer Sr.No. 21 Of Terms and Condition)	
4	GST (5% extra as per sr. no 2 of Note in enquiry document)	
5	GST No. (To Specify)	
6	Udhyog Aadhar No. & Category (Micro/Small/Medium Enterprise)	
7	Discount(if any)	
8	HSN/ SAC Code (To specify)	
9	Delivery period (10 weeks from date of order)	
10	Delivery Basis: Free Door Delivery	

\* Fill in the applicable details

Place:

Authorised Signatory:

Date:

Company Seal

# Supply of Carbon free Non Conducting flexible hoses along with fittings

## 1. Scope of Supply

Supply of flexible hoses as specified in Table-1 below

S. No.	Hose Size		Material Specifications	Qty	Unit
1	<b>1/2" Flexible hose (ID approx. 12 mm)</b> <ul style="list-style-type: none"> <li>Crimped at one end with female 1/2" BSP Swivel joint and M16 X 1 mm female swivel joint at other end.</li> </ul>	Length- 5 Meters each	Non Conducting, Carbon free hose, <b>Lining:</b> non-conductive, natural/ synthetic/blend rubber compound; <b>Reinforcement:</b> Natural/synthetic rubberized woven textile fabric; <b>Cover:</b> Electrical resistant synthetic rubber compound; <b>Crimping/Fitting Materials</b> (Barb, Swivel joint, sleeve etc.): SS 304	30	Nos
		Length- 1 Meter each		20	Nos
2	<b>1/2" Flexible hose (ID approx. 12 mm)</b> <ul style="list-style-type: none"> <li>Crimped at one end with female 1/2" BSP Swivel joint and M 22 X 1.5 mm female swivel joint at other end.</li> </ul>	Length- 5 Meters each		05	Nos
		Length- 1 Meter each		05	Nos
3	<b>1" Flexible hose (ID approx. 25 mm)</b> <ul style="list-style-type: none"> <li>Crimped at one end with female 1" BSP Swivel joint and M 24 X 1.5 mm female swivel joint at other end.</li> </ul>	Length-5 Meters each		08	Nos
		Length- 1 Meter each		05	Nos
4	<b>1" Flexible hose (ID approx. 25 mm)</b> <ul style="list-style-type: none"> <li>Crimped at one end with female 1" BSP Swivel joint and M 39 X 2 mm female swivel joint at other end.</li> </ul>	Length-5 Meters each		10	Nos
		Length- 1 Meter each		05	Nos
5	1/2" Flexible hose (ID approx. 12 mm) without fitting				30
6	3/4" Flexible hose (ID approx. 19 mm) without fitting			30	Mtr.
7	1" Flexible hose (ID approx. 25 mm) without fitting			30	Mtr.
8	1.1/4" Flexible hose (ID approx. 32 mm) without fitting			20	Mtr.
9	Male Hex Nipple 1/2" BSP to 1/2" BSP		SS 304	30	Nos

	<b>Annexure-A Technical Specifications</b>	Enquiry No.: II/ECH/2021/003
		Date: 25/05/2021

<b>10</b>	Male Hex Nipple 1" BSP to 1" BSP	SS 304	20	Nos
<b>11</b>	Male Hex Connector M16 X 1 to ½" BSP	SS 304	30	Nos
<b>12</b>	Male Hex Connector M22 X 1.5 to ½" BSP	SS 304	10	Nos
<b>13</b>	Male Hex Connector M24 X 1.5 to 1" BSP	SS 304	10	Nos
<b>14</b>	Male Hex Connector M39 X 2 to 1" BSP	SS 304	10	Nos
Recommended Makes: Parker, Gates India, Polyhose, Gayatri, Indo Maksson and other similar equivalent makes. Bidder must ensure that the selected product complies with all the technical specifications				

*Table 1: List of hose sizes & fittings under scope of supply*

## 2. Scope of Work

The supplier shall be responsible for following:

1. Procurement of all hoses/ Crimping items as per Table-1 and cutting flexible hoses in required cut length.
2. Cutting, machining and fabrication of suitable components with appropriate dimensions like: SS 304 Barbs, Crimp sleeves etc.
3. Swivel joint & assembled Barbs are need to be crimped with flexible hose using Crimp Sleeve.
4. Performing Hydro-test of the assembled hoses conforming the specifications.
5. Supplier to present/submit material test certificates for any of the procured raw materials if requested by ITER-India.

## 3. Detailed Specifications

2.1 Key Specifications for Non Conducting hose:

<b>S. No.</b>	<b>Component Description</b>	<b>Material Specifications</b>	<b>Quantity</b>	<b>Bidder Specification/ Compliance</b>
1.	Hose Material	Non Conducting, Carbon free hose (Asbestos free), for cooling water application	As per mentioned in table-1	
2.	Lining Material	non-conductive, natural/ synthetic/blend rubber compound;		

3.	Reinforcement	Natural/synthetic rubberized woven textile fabric		
4.	Cover	Electrical resistant synthetic rubber compound		
5.	Pressure	Working Pressure 10 Bar		
6.	Temperature	Upto 65° C		
7.	Crimping/ Fitting Material	SS 304 (For all components involved in crimping/ fitting)		
8.	Hex Nipples/ Connectors	SS 304		

*Table 2: Specifications for Non Conducting Hose*

### 3. Delivery Period

The delivery period shall be 6 weeks from the date of PO placement.

### 4. Packing and Shipment

Packing: Appropriate packaging must be done to avoid damage during transportation. The supplier shall replace/repair at his own expenses, if, any damage found at the time of delivery. Packaging, Loading, Transportation and Unloading are under the scope of supplier. Items shall be delivered at:

ECH-Lab, Third floor,  
 ITER-India Lab Building,  
 Institute for Plasma Research,  
 Near Indira Bridge, P.O. Bhat  
 Gandhinagar -382 428, India

Prior information of the material dispatch shall be given to ITER-India Purchase Officer

### 5. Testing, Pre-dispatch Inspection & Dispatch Clearance

- ✓ Supplier has to demonstrate assembly of hose having rotatable Swivel joints at both ends. Assembled hoses are to be **Hydro tested at 10 Bar test pressure**. A pre-dispatch Inspection shall be conducted by ITER-India representative for witnessing the fabricated hose assembly.
- ✓ A dispatch clearance note will be issued by the purchaser after successful completion of the pre-dispatch inspection. Supplier shall initiate the delivery only after receiving the dispatch clearance note from the purchaser.

	<b>Annexure-A Technical Specifications</b>	Enquiry No.: II/ECH/2021/003
		Date: 25/05/2021

## 6. Final Acceptance

- ✓ The hoses will be inspected and tested by ITER-India for any leakage and if found satisfactory, the final acceptance will be given within one-two weeks.

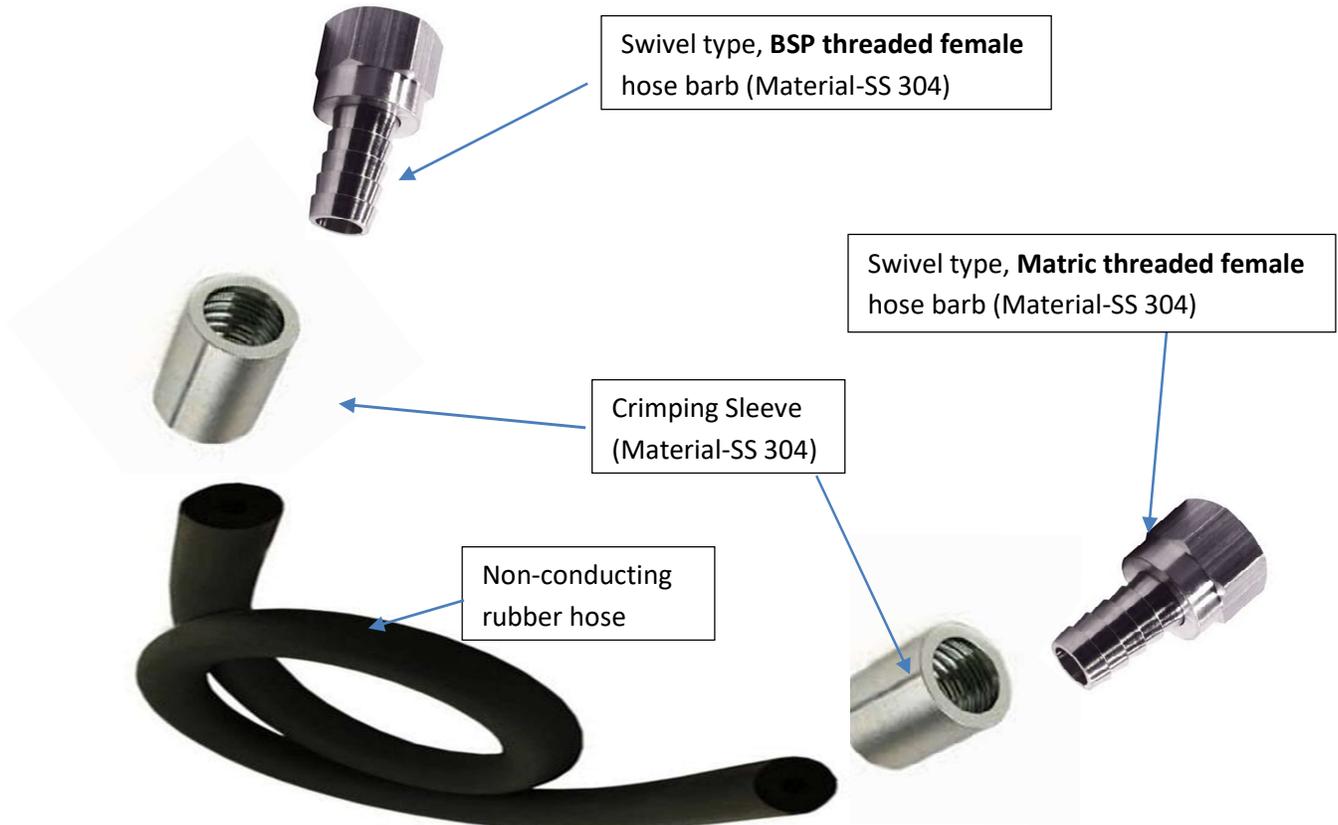
## 7. Warranty

The Supplier should provide one-year standard warranty, i.e., repair/replace free of cost in case of a failure or material defects during the warranty period.

## 8. Bid Submission

- ✓ Bidder has to study all the schematic and assembly thoroughly and in case of any query/question, it should be sought from ITER-India before bid submission.
- ✓ Bidder has to fill up the technical compliance sheet as per Table-2 and submit along with the bid and in case of any query/question, it should be sought from ITER-India before bid submission
- ✓ As a proof of compliance, the bidder has to submit the verifiable OEM published data sheet for the proposed hose. Bidders are requested to do their market study for technical compliance and cost estimation before proposing a make & model in their bid. Authenticity of the data sheets that cannot be verified through the OEM's web site may not be considered for evaluation and such bids may be rejected. Bidders are requested quote good quality reliable and reputed products meeting all the technical specifications only
- ✓ As a confirmation that bidder has gone through the schematic & assembly and understood the fullscope of work, signed & stamped copies of all the drawings are to be submitted alongwith the bid.

### 9. Schematic and assembly



**Fig.1-Hose & components before crimping**



**Fig.2-Hose & components after crimping**

	<b>Annexure-A Technical Specifications</b>	Enquiry No.: II/ECH/2021/003
		Date: 25/05/2021

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