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**An Aided Institute of Department of Atomic Energy,  
Government of India**



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## ENQUIRY

ENQUIRY NO : IPR/EQF/18-19/246  
Date : 29-03-2019

**Due on : 09-05-2019 by 1:00 PM IST**

Please send your offer in sealed envelope specifying Enquiry No, Date & Due Date, ALONG WITH your credentials for the following items which we are interested to import directly against Foreign Trade Policy 2015-2020.

### Important Note:

Please note that e-mail quotations are not acceptable however you may send your queries (if any) to [importpurchase@ipr.res.in](mailto:importpurchase@ipr.res.in)

Please ensure your sealed quotation reaches this office not later than above mentioned due date and time.

Kindly go through the following documents properly before quoting which are available on the IPR web portal i.e., [http://www.ipr.res.in/documents/tender\\_terms.html](http://www.ipr.res.in/documents/tender_terms.html) / attached herewith.

- 1) Instructions to the bidders & Terms and conditions (refer Form No: **IPR-FP-01.V3**)
- 2) Bidding format

**GST for Goods and Services (IGST/CGST/SGST TAX BENEFITS):** Please refer **clause no: 14** of Form No: **IPR-FP-01.V3**

### QUOTATION SHOULD BE ADDRESSED TO PURCHASE OFFICER ONLY

Sr No	Description	Quantity
1	Coaxial feedthrough with grounded shield as per attached specifications	2.0 Nos.
2	Power push on connectors in pack of 10 as per attached specifications	6.0 Packet
3	9 pin subminiature feedthroughs as per given specifications	2.0 Nos.
4	air side plug for 9 pin subminiature feedthroughs	2.0 Nos.
5	PEEK invacuum connectors female for 9 pin subminiature feedthroughs	2.0 Nos.
6	UHV/air crimp contacts female for use in connector shells (1 pack should contain 25 pieces)	2.0 Packet
7	kapton tape approximately 6 mm as per given specs	2.0 Nos.
8	kapton tape approximately 9mm as per attached specs	2.0 Nos.
9	kapton coaxial wire as per given specs	6.0 Nos.
10	kapton coaxial wire as per given specs	6.0 Nos.

Note: 1.Please quote with complete technical details (Technical compliance sheet and product data sheet).  
2.TDS as per CGST Act: As per provisions of section No. 51 of the CGST Act 2017, TDS @2% (IGST 2% or CGST 1% and SGST 1%) will be deducted while making payment to the suppliers where total value of orders/contracts/work orders exceeds Rs. 2.5 lakhs, in the event of order in Indian Rupees. Necessary TDS Certificate will be issued to the supplier after TDS deduction.

Encl: As per attached.

Sd/-

Mr. D. Ramesh  
Purchase Officer-II

**Information to Vendors:** We are working towards a single platform for our future requirement. Hence, please refer IPR website i.e, <http://www.ipr.res.in/documents/tendersenq.html> for our future requirement.

## Format Technical compliance Form

### Specifications of Coaxial feedthroughs with grounded shield

Sl. No	Particulars	IPR Requirement	Vendor's specifications
	<b>ITEM-1</b>		
1.	Operating Voltage	100 Volts or better	
2.	Operating Current	1 Amp or better	
3.	Vacuum level UHV	$<1 \times 10^{-9}$ mbar-l/sec	
4.	Feedthrough flange mounting	DN-40CF (2 3/4" OD flange)	
5.	Compliance	BNC grounded shield single ended	
6.	Material	Stainless steel 304L	
7.	Number of air side BNC plugs	4	
8.	Vacuum side pins	Pins of approximately 2mm dia	

Note: The image of coaxial feedthroughs is attached.



## Format Technical compliance Form

### Specifications of Pushfit connectors for Coaxial feedthroughs

Sr.no	Particulars	IPR requirement	Vendors specification
	ITEM-2		
1.	UHV compatible	$<1 \times 10^{-9}$ mbar-l/sec	
2.	Material	Gold plated copper alloy/ BeCu with stainless steel screws	
3.	quantity	60 no.s	

Note: The pins should be such that one side push on to coaxial feedthrough pins and other side screw to connect kapton wire.

## Format Technical compliance Form

### Specifications of Subminiature D-type Feedthroughs

SI. No	Particulars	IPR Requirement	Vendor specifications
	ITEM-3		
1.	Operating Voltage	100 Volts or better	
2.	Operating Current	1 Amp or better	
3.	Vacuum level UHV	$<1 \times 10^{-9}$ mbar-l/sec	
4.	Feedthrough flange Mounting	DN 40 CF	
6.	Flange material	SS304L/316L	
7.	Number of coaxial pins	9	
8.	Insulation/seal	Glass-ceramic	
9.	Vacuum side temperature range	10°C to 200°C or better	

Technical Compliance for Invacuum PEEK connectors along with contacts for Subminiature D-type feedthroughs

SI. No	Particulars	IPR Requirement	Vendors specifications
	ITEM-4		
1.	UHV compatible	$<1 \times 10^{-9}$ mbar-l/sec	
2.	Vacuum side female PEEK connector compatible to 9 pin subminiature feedthrough	YES	
3.	Contacts required	YES	

Technical compliance of air side connector for subminiature D-type feedthroughs

SI. No	Particulars	IPR Requirement	Vendors specifications
	ITEM-5		
1.	UHV compatible	$<1 \times 10^{-9}$ mbar-l/sec	
2.	Air side plugs compatible to 9 pin subminiature feedthrough	YES	
3.	Contacts required	YES	

Note: Please note we are buying the feedthroughs for the first time. We would like the party to quote separately for PEEK connectors and air side connectors along with contacts according to the quantity which will be required for 9 pin sub D type feedthroughs.

## Technical Complaine sheet for UHV/air crimp contacts

Sr.no	Particulars	I.P.R requirement	Vendors specifications
	ITEM-6		
1.	Crimp Contacts female	Compatible to vacuum side and air side connectors of subminiature feedthroughs	
2.	UHV compatible	$<1 \times 10^{-9}$ mbar-l/sec	
3.	quantity	50 no.s(1 pack should contain atleast 25 pieces)	



## Technical Compliance form for kapton tape

SI. No	Particulars	IPR Requirement	Vendors specifications
	ITEM-7		
1.	Vacuum level UHV	$<1 \times 10^{-9}$ mbar-l/sec	
2.	Roll length	30 mtrs	
3.	Baking temperature	200°C	
4.	Width	approximately 6 mm	
5.	Thickness of tape	approximately.08mm	

SI. No	Particulars	IPR Requirement	Vendors specifications
	ITEM-8		
1.	Vacuum level UHV	$<1 \times 10^{-9}$ mbar-l/sec	
2.	Roll length	30 mtrs	
3.	Baking temperature	200 <sup>0</sup> C	
4.	Width	approximately 9 mm	
5.	thickness	approximately .06mm	

Format Technical compliance Form

Specifications of Kapton wire

SI. No	Particulars	IPR requirement	Vendors specifications
	ITEM-9		
1.	Max Voltage	>1kV	
2.	Max Current	0.5A	
3.	Vacuum level UHV	$<1 \times 10^{-9}$ mbar-l/sec	
4.	Core dia	Approximately 7X0.03mm	
5.	Impedance	50 Ohms	
6.	Quantity	40 mtrs	

SI. No	Particulars	IPR requirement	Vendors specifications
	ITEM-10		
1.	Max Voltage	>1kV	
2.	Max Current	0.5A	
3.	Vacuum level UHV	$<1 \times 10^{-9}$ mbar-l/sec	
4.	Core dia	Approximately 7X0.1mm	
5.	Impedance	50 Ohms	
6.	Quantity	40 mtrs	

Bidder's Official Stamp and Sign:

Date: