

## **PEEK Lightning Insulator Pipes (5 Types)**

Lightning insulator pipes are to be used for the protection of LCA (Tejas) from lightning effect. The basic polymeric material used for such items is desired to meet the stringent functional requirements. Lightning insulator pipes are integral part of fuel pipeline systems of the aircraft which have been developed by DMSRDE.



Figure: PEEK Lightning insulator pipes for LCA-Mk-1 (Tejas)

The lightning insulator pipes are made of high performance polymer, poly (polyether ether ketone) and obtained in injection moulding process. Lightning insulator pipes (5 types) are developed by DMSRDE and are used to protect aircraft against lightning effect.

Interested Industries are requested to forward their Expression of Interest (EoI) to Director DMSRDE, Kanpur (with attachments of supporting documents) with a copy of Director DIITM, DRDO HQ (without attachment) on following address:-

Director

**Defence Materials and Stores Research & Development Establishment (DMSRDE)**

DRDO, Ministry of Defence, Government of India

PO DMSRDE, GT Road, Kanpur-208013

Phone : (0512) 2451759-78

Fax : 0512-2450404/ 2404774

**E-mail ID : [director\[dot\]dmsrde\[at\]gov\[dot\]in](mailto:director[dmsrde@gov.in])**

Copy to

Director

**Directorate of Industry Interface & technology Management (DIITM)**

Room No. 447, DRDO Bhawan, DRDO HQrs, Rajaji Marg, New Delhi-110011

Phone: 011-23013209/23015291

Fax: 011-23793008

**Email: [diitm\[dot\]hqr\[at\]gov\[dot\]in](mailto:diitm[hqr@gov.in])**

All industries interested in seeking ToT are requested to apply in the format given below. Kindly fill in the fields and attach supporting documents (as applicable). Kindly provide reference of page no. of supporting document in the relevant field also. The list of documents to be attached is provided in Annexure - I.

**PART-1**

**General Information**

1.	<b>Name of the Technology requested for Technology Transfer (Technology name and concerned Lab, Category)</b>	
2.	<b>Name of the industry/ organization</b>	
3.	<b>Complete Address and other details</b>	
	<b>Registered Office</b>  State Phone No Fax Email Website	
	<b>Factory</b>  State Phone No Fax Email Website	
4.	<b>Point of Contact</b> Name Designation Address Mobile No Ph No Email ID	
5.	<b>NAME OF CMD/ MD /PARTNERS/ PROPRIETOR/ etc</b> Name Designation Address Mobile No Ph No Email ID	
6.	<b>Date of Incorporation of company</b>	

7.	<b>Foreign Direct Investment in company (if any in %)</b>	
8.	<b>Shareholding pattern</b>	
9.	<b>Turn over as per Audited Balance Sheet for the preceding three years.</b> Year ____ Year ____ Year ____	
10.	<b>Annual budget for R&amp;D during last three years (if any)</b> Year ____ Year ____ Year ____	
11.	<b>Income Tax returns for the preceding three years period</b> Year ____ Year ____ Year ____	
12.	<b>Nature of company</b> DPSU, Private Limited, Public Limited, Partnership, Proprietary, Ex-Serviceman Unit	
13.	<b>Category of industry</b> Large Scale, Medium Scale, Small Scale, Micro, Startup	
14.	<b>MSME Registration No</b>	
15.	<b>Certificates of registration as a manufacturing unit, if any.</b>	
16.	<b>If Startup, DPIIT Registration No</b>	
17.	<b>UDYOG AADHAR No</b>	
18.	<b>PAN Number</b>	
19.	<b>Details of Industrial license for defence manufacturing issued by DPIIT (if any)</b>	
20.	<b>Details of PESO license (if any)</b>	
21.	<b>GST Number</b>	
22.	<b>Nature of business</b>	

	Manufacturing/ Sole Selling or Authorized Agent/ Assembler/ Traders/ Dealer/ Processor/ Repacker/ Others	
23.	<b>Details of current products and services</b> Products and services Supplied (please specify Govt/ Domestic market/ Export)	
24.	<b>Record of past performance</b> (e.g., Supply orders executed against of Ministry of Defence orders, Public Sectors and Paramilitary Forces, if any).	
25.	<b>Details of registration with</b> NSIC / SSI, DGS&D, other Defence Department, other Govt. Dept, membership of FICCI/ASSOCHAM/CII or other Industrial Association <b>(Attach relevant copies of registration letters)</b>	
26.	<b>Have you already taken any technology from DRDO</b> (If yes, give details attaching separate sheet) Name of the Technology, Lab, Year, License number & Status	
27.	<b>ISO/ ISI certification or any other certification</b> (If yes, give details)	
28.	<b>Relevant clearances form the authorities/ ministries</b> (if any)	
29.	<b>Capacity and capability to undertake developmental work and to accept attendant financial and commercial risks.</b>	
30.	<b>Capacity/capability to market the product through the marketing network, sales and service network, reliability to maintain confidentiality.</b>	

## PART-2

### Infrastructure and other Information

(a)	<b>Total area of factory</b> Covered (m <sup>2</sup> ), Uncovered (m <sup>2</sup> ), Bonded space available (m <sup>2</sup> )	
(b)	<b>Ownership of factory</b> Self-owned, partnership, rental	
(c)	<b>Electric power</b> Sanctioned Installed Standby (if any)	
(d)	<b>Availability of adequate infrastructure</b> (List of machines and their production capacities) and technical expertise	
(e)	<b>Name of bank &amp; A/c No</b> Name of bank A/c type	

A/c no Address of the bank Phone: Email:	
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**(a) Details of current products:**

Sl.no.	Type	Description	Licensed/installed capacity	Annual production for preceding 3 years

**(b) Details of foreign collaboration, if any**

Sl.no.	Product	Name & address of collaborator	Year	Remarks

**(c) Details of products developed for services**

Sl.no.	Nomenclature of stores	Order no and date	Remarks

**(d) Please give details of important facilities & infrastructure as per following format for:**

- a. Production
- b. Unconventional, special m/c
- c. Testing & quality control facilities

Sl.no.	Description of m/c	Make & model	Qty	date of purchase	Remarks

(e) Furnish the

**following details with relevant certificates and documents**

- a. R&D facilities available :
- b. Inspection quality control of raw material components :
- c. Assistance from central agency for testing / calibration etc. :
- (d) laboratory and drawing office facility :

**(f) Principal customers:**

Sl.no.	Name & address	S.O No. & date	Date of last supply	Products supplied	Value

**(g) Future plan (if any) in respect of expansion programme installation of additional machines/ test facilities etc.**

(h) **Name of the technology requested for transfer** (give self-assessment of your capability to absorb the technology)

(i) **Details of employee as on date on firm's pay roll**

PERMANENT				
Category	Post Held	Number	Qualification	Total Service
Technical	Prod. Manager			
TEMPORARY				
Category	Post Held	Number	Qualification	Total Service
Technical	Q.C. Manager Supervisor Testing Staff (Qc) Skilled workers			
Technical	Prod. Manager Unskilled workers, etc.			
Administrative	Q.C. Manager Supervisor Purchase Manager Accounts Testing Staff (Qc) Skilled Officer Office Superintendent Clerical Others etc			
Administrative	Unskilled workers, etc			
Administrative	Purchase Manager Accounts Officer Office Superintendent Clerical Others, etc			

**DECLARATION :**

I / we confirm that the information furnished in Part 1 & 2 above is correct. In the event of any information given by me / us is found incorrect / false at any time, I / we understand our EoI for ToT will be cancelled/ rejected without notice, beside any other appropriate action against me / us.

Industry seal

Authorized signatory

Name(s) in capital  
designation and seal of authorized signatory

dated:

Place:

**Annexure - I**

**List of Support documents to be attached with EoI**

- (a) Memorandum and Articles of Association (Should be incorporated as per Indian Companies Act, as amended time to time)
- (b) Certificates of registration as a manufacturing unit, if any.
- (c) Audited Balance Sheet for the preceding three years.

- (d) Income Tax returns for the preceding three year period
- (e) Details of shareholding/ownership pattern especially foreign partners/ shareholders, foreign employees, directors, etc. The company must adhere to the prevailing Govt of India policies and regulations on Foreign Direct Investment (FDI)/DIPP norms as applicable.
- (f) Annual budget for R&D during last three years.
- (g) Numbers and details of IPR or patents, etc., held by the company.
- (h) Number of technically or professionally qualified personnel.
- (i) Record of past performance (e.g., Supply orders executed against of Ministry of Defence orders, Public Sectors and Paramilitary Forces, if any).
- (j) Availability of adequate infrastructure (List of machines and their production capacities) and technical expertise.
- (k) List of Testing and Support equipment's
- (l) ISO/ ISI certification or any other certification
- (m) Relevant clearances form the authorities/ ministries (if any)
- (n) Capacity and capability to undertake developmental work and to accept attendant financial and commercial risks.
- (o) Capacity/capability to market the product through the marketing network, sales and service network, reliability to maintain confidentiality.
- (p) PESO and DPIIT license for explosive handling if ToT is for high energy Material, explosives, propellants, and component/ system dealing with it etc.
- (q) Under taking form company seeking ToT that none of its Directors, Independent Directors, non-executive Directors, Key management personnel are involved in any corrupt practices, unfair means and illegal activities.
- (r) Details of the industrials license for defence manufacturing be provided by the industry seeking ToTs.