

24m Mountain Bridge for ATV

As further development of the 35m Mountain Foot Bridge developed by R&DE(E), Pune a manually launched light weight Mountain Bridge for All Terrain Vehicle (ATV) of Gross Vehicle Weight 1Ton of total length 24m with a pathway of 1.8 m has now been developed. The bridge is made of high-strength aluminum alloy components such that each component is man-portable. It includes a launching system that facilitates the bridge to be launched from near-bank without any access to the far-bank. ToT of this technology requires industries to have taken the ToT of 35m Mountain Foot Bridge.

The system is made compact considering limited availability of back space during launching in mountain regions. The joints of the bridge facilitate easy assembly in field conditions. The system is modular and comprises mainly triangular panels, top bars and deck units. 24 m bridge can be launched in about 150 minutes with a crew of 15 plus commander. The time of launch will reduce proportionately for shorter spans. The Bridge can be used for personnel and ATVs of GVW up to 1000 kg.

Features

- ☐ Max bridge length – 24m with width of 1.8m.
- ☐ Modular construction for facilitating variable spans.
- ☐ Use of high strength aluminium alloy for light weight
- ☐ Back space of 15m x 8m for 24m & less for short span.
- ☐ Manually launched with a crew of 15 plus commander within 150 minutes
- ☐ Minimum head room available on the bridge - 2.1 m
- ☐ Bridging components weighing < 18 kg
- ☐ Transportation - Man portable, using in service 2.5 / 5 / 7.5 t vehicle(s)



Deployed 24m Mountain Bridge with ATV

1. Interested companies/industries are requested to apply against this EoI to following address:-

To,

The Director

Research & Development Establishment (Engineers)

DRDO, Govt. of India, Ministry of Defence,

Kalas, Alandi Road, Dighi P. O., Pune- 411015 India

Phone No: 020-27044000

Email-director.rde@gov.in

Fax No: 020-27044009

2. A copy of interest may be sent to the following address without any attachment:-

To,

The Director,

Directorate of Industry Interface & Technology Management (DIITM),

Room No. 447, DRDO Bhawan, Rajaji Marg, New Delhi-110 011

Email-diitm.hqr@gov.in

Fax-011-23793008

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.
- (s) Application cum Industry Assessment Form.

Application cum Industry Assessment Form

(To be submitted by industry/ organisation seeking Technology Transfer)

PART-1**General Information**

(Please enclose documents in support of information provided)

1.	Name of the Technology requested for Technology Transfer (Technology name and concerned Lab, Category)	
2.	Name of the industry/ organization	
3.	Complete Address and other details	
	Registered Office State Phone No Fax Email Website	
	Factory State Phone No Fax Email Website	
4.	Point of Contact Name Designation Address Mobile No Ph No Email ID	
5.	NAME OF CMD/ MD /PARTNERS/ PROPRIETOR/ etc Name Designation Address Mobile No Ph No Email ID	
6.	Date of Incorporation of company	
7.	Foreign Direct Investment in company (if any in %)	
8.	Shareholding pattern	
9.	Turn over as per Audited Balance Sheet for the preceding	

	three years. Year _____ Year _____ Year _____	
10.	Annual budget for R&D during last three years (if any) Year _____ Year _____ Year _____	
11.	Income Tax returns for the preceding three years period Year _____ Year _____ Year _____	
12.	Nature of company DPSU, Private Limited, Public Limited, Partnership, Proprietary, Ex- Serviceman Unit	
13.	Category of industry Large Scale, Medium Scale, Small Scale, Micro, Startup	
14.	MSME Registration No	
15.	Certificates of registration as a manufacturing unit, if any.	
16.	If Startup, DPIIT Registration No	
17.	UDYOG AADHAR No	
18.	PAN Number	
19.	Details of Industrial license for defence manufacturing issued by DPIIT (if any)	
20.	Details of PESO license (if any)	
21.	GST Number	
22.	Nature of business Manufacturing/ Sole Selling or Authorized Agent/ Assembler/ Traders/ Dealer/ Processor/ Repacker/ Others	
23.	Details of current products and services Products and services Supplied (please specify Govt/ Domestic market/ Export)	
24.	Record of past performance (e.g., Supply orders executed against of Ministry of Defence orders, Public Sectors and Paramilitary Forces, if any).	
25.	Details of registration with NSIC / SSI, DGS&D, other Defence Department, other Govt. Dept, membership of FICCI/ASSOCHAM/CII or other Industrial Association	

	(Attach relevant copies of registration letters)	
26.	Have you already taken any technology from DRDO (If yes, give details attaching separate sheet) Name of the Technology, Lab, Year, License number & Status	
27.	ISO/ ISI certification or any other certification (If yes, give details)	
28.	Relevant clearances form the authorities/ ministries (if any)	
29.	Capacity and capability to undertake developmental work and to accept attendant financial and commercial risks.	
30.	Capacity/capability to market the product through the marketing network, sales and service network, reliability to maintain confidentiality.	

PART-2

Infrastructure and other Information

1.	Total area of factory Covered (m ²), Uncovered (m ²), Bonded space available (m ²)	
2.	Ownership of factory Self-owned, partnership, rental	
3.	Electric power Sanctioned Installed Standby (if any)	
4.	Availability of adequate infrastructure (List of machines and their production capacities) and technical expertise	
5.	Name of bank & A/c No Name of bank A/c type A/c no Address of the bank Phone: Email:	

6. Details of current products:

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

7. Details of foreign collaboration, if any.

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

8. Details of products developed for services

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

9. 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

10. 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

11. Principal customers:

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

12. Future plan (if any) in respect of expansion programme installation of additional machines/ test facilities etc.**13. Name of the technology requested for transfer (give self-assessment of your capability to absorb the technology)****14. Details of employee as on date on firm's pay roll**

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

TEMPORARY				
Category	Post Held	Number	Qualification	Total Service
Technical	Prod. Manager Q.C. Manager Supervisor Testing Staff (Qc) Skilled workers 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: