

5m Short Span Bridging System

1. Introduction

R&DE(E), Pune has developed a 5m short span bridging system. One prototype of 5m short span bridging system consists of Tatra 6x6 vehicle over which two numbers of 5m long bridge superstructure in aluminium / steel are stacked one above the other. A mechanical handling device to handle the bridges for deployment is also mounted at the rear of the vehicle.



Short span bridging system – 5m has the following salient parameters:

Bridge length	: 5m
Roadway width	: 4m during use and 3.5m during transportation
Load Class	: MLC-70
Bridge deck	: Level deck with anti-skid surface
Vehicle	: High mobility wheeled vehicle Tatra T815 6x6
Launching and recovery of bridge:	(a) Electro-hydraulic power operated mechanical handling system
	(b) Launching time - 5 minutes
Sub-Systems	: i) Bridge superstructure
	ii) Mechanical Handling Device
	iii) Launching Platform

Interested parties may respond along with their company profile, financial & technical capabilities etc as per the following format –

- (a) Memorandum and Articles of Association (Should be incorporated as per Indian Companies Act, 1956)
- (b) Certificates of registration as a manufacturing unit, if any.

- (c) 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).
- (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 equipments
- (l) ISO/ ISI certification or any other certification
- (m) Relevant clearances from 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.

Eligible parties will be invited to sign Non-Disclosure Agreement with R&DE(Engrs) and for technical discussion including specifications, following which they shall be evaluated for giving Transfer of Technology (TOT) on non-exclusive basis. Criteria for choosing industry partner will include manufacturing capability, assurance on quality and capacity of production apart from other terms and conditions.

After EOI stage, information about criteria and process of selection for Transfer of Technology (TOT) will be given to interested parties.

Interested industry partner may write to Director, R&DE(Engrs), Pune on the following address -

Director, R&DE(Engrs).
DRDO, Min. of Defence,
Alandi Road, Dighi,
Pune – 411015

They may also contact on phone – (020) 2704 4546 / 2704 4552
Email : nareshkumardrd2@gmail.com

or

Director, DIITM,DRDO HQ,
Min. of Defence, DRDO Bhawan,
Room No. 447, B Block,
Rajaji Marg, New Delhi - 110011
Phone – 011 23013209
Email : radkrishnan@hqr.drdo.in