

10m Short Span Bridging System

Research & Development Establishment (Engineers), Pune, a premier laboratory under Defence R&D Organisation invites Expressions of Interest (EOI) from original manufacturer(s) having sufficient experience, expertise and willing to undertake production work. The firm should be technologically sound to manufacture and supply the system with requisite quality standards.

Short span bridging system – 10m has the following salient features -

Bridge length	: 10m
Roadway width	: 4m during use and 3.5m during transportation
Load Class	: MLC-70
Bridge deck	: Level deck with anti-skid surface
Vehicle	: Tatra T815 8x8
Launching & recovery of bridge	: Hydraulic power operated scissor launching system
Launching time (single span)	: 15 minutes

SUB-SYSTEMS :



Bridge Superstructure: Bridge superstructure for 10m Short Span Bridging System is designed in light weight aluminium alloy.

Launching mechanism: Launching mechanism for 10m bridging system consist of various mechanical components and linkages operated hydraulically.

Pier System: The pier system will be launched / delaunched along with the bridge and will be housed in between two halves of the bridge during transport mode.

Hydraulic System: The motive power required for launching and delaunching the bridge is provided by the Hydraulic System. The hydraulic system consists of actuators, pump, reservoir and control valves.

Electrical System Electrical System is required for launching / retrieval of Short Span Bridging System with or without pier system.

Launching Platform: Tatra T815 8x8 vehicle is the launching platform for 10m system. This is a high mobility vehicle, which has been duly modified to mount the launching mechanism.

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