

BROAD DETAILS OF PROCUREMENT CASE: QUANTITY 375
LIGHT BULLET PROOF VEHICLE (LBPV)

1. Acceptance of Necessity (AoN) for procurement of **quantity 375 Light Bullet Proof Vehicle** has been accorded by the Competent Authority as per details given below:-

(a) **Quantity.** 375 Light Bullet Proof Vehicle (LBPV)

(b) **Category.** 'Buy Indian' under **Fast Track Procedure**, in accordance with provisions of Chapter V of DAP-2020.

(c) **Mode.** **Open Tender Enquiry.**

2. In order to maximize participation, broad details of procurement case are being published on Indian Army Website (www.indianarmy.nic.in) and Ministry of Defence Website (www.mod.gov.in).

3. **Tentative date of issue of RFP is by 15 Nov 2022.** The broad details are being mentioned as an early information for interested vendors to plan and coordinate. The details mentioned are tentative and the final specifications along with the other procurement aspects will be listed in the RFP.

4. Interested OEMs/ Vendors are requested to forward detailed information on the product which they can offer by **11 Nov 2022** on the undermentioned address:-

Directorate General of Artillery (Artillery-13)
General Staff Branch
Integrated HQ of MoD (Army)
Room No- 527B-1, 'A' Wing
Sena Bhawan
New Delhi-110105

Email : pralay-13@gov.in

Broad Details

5. Procurement of quality 375 Light Bullet Proof Vehicle (LBPV), associated training and maintenance aggregated.

6. The broad details in respect of quantity 375 Light Bullet Proof Vehicle (LBPV) is given as under :-

Ser No	Parameters	Qualitative Requirements
(a)	Crew	Driver + Co-Dvr + 4 fully equipped soldiers with battle loads comfortably.

Ser No	Parameters	Qualitative Requirements
(b)	Load Carrying Capacity	Min 600 Kgs
(c)	Speed	(a) On road: Not less than 60 kmph with full load. (b) X Country: Not less than 40 kmph with full load.
(d)	Protection Levels of the Vehicle	<p>(a) <u>Top</u>. Withstand direct hit of 7.62mm SLR, 5.56 mm INSAS and 7.62mm AK-47 round at a distance of 10m at an angle of $45^0 \pm 5^0$.</p> <p>(b) <u>All sides incl Doors & Windows</u>. Withstand direct hit of 7.62mm SLR, 5.56 mm INSAS and 7.62mm AK-47 round at a distance of 10m at an angle of $90^0 \pm 5^0$.</p> <p>(c) <u>Bottom Under Carriage</u>. Protect occupants from the blast of not less than two No 36M hand Gren exploding directly under the vehicle.</p> <p>(d) 5 x Run flat tyres and run flat for min 01 Km on level/ Un-metalled roads at fully laden weight of vehicle.</p> <p>(e) <u>Glass , Windshield & Side Glass</u>. Transparent Ballistic Resistant Glass of appropriate thickness for front and rear windscreen and all window glasses which should be able to provide protection against 7.62mm x 39 Ball Hard Steel Core AK-47, 7.62mm SLR and 5.56mm x 45mm amn from a distance of 10 meters. Wire mesh covering all of the Ballistic Resistant Glasses should be provided as an anti-riot measure (protection against human hurled slow moving projectiles like stones, bricks, rocks etc).</p> <p>(f) <u>Door, Windows and Roof Hatch</u>. Two sides doors with windows. The vehicle should have a total of six port holes to fire personal weapons. Two sides port holes on each door, two side port holes in the second row of the vehicle and two side port holes facing towards the rear. Port holes should have shutters that can be opened/ closed from inside. Provision of roof hatch for mounting and firing of crew served automatic weapon like LMG & MMG. Double gate door in rear for quick embussing/ debussing.</p> <p>(g) <u>Fuel Tank</u>. Similar protection levels as for sides and under carriage. Protection against shrapnel/ fragments be provided for the fuel tank.</p> <p>(h) <u>Radiator</u>. Matching bullet proof protection as mentioned in Para 8 (b) to be catered for.</p> <p>(j) <u>Misc</u>. An escape for exhaust gases produced due to firing of wpns inside the vehicle be catered for.</p>

Ser No	Parameters	Qualitative Requirements
(e)	Power to weight Ratio	Not less than 25KW/Ton.
(f)	Steering	Right Hand drive with power steering.
(g)	Turning Radius	Not more than 8 mtrs.
(h)	Transmission	Manual Transmission 4x4 type.
(j)	Ground Clearance	Not less than 200 mm and water fording capability without any preparation of min 300mm.
(k)	Operating Temperature.	The operating temperature should be between -10° to $+45^{\circ}\text{C}$ with a cold start device.
(l)	Gross Vehicle Weight	Vehicle weight not more than 4500 Kg.
(m)	Operation and Maintenance.	Should be simple and easy. Complete Literature, illustrated diagrams, list of spares, special tools etc and operating instructions for the operation and maintenance of the vehicle and accessories should be provided.