

The detail information of Technology :“**Anti-Terrorist Vehicle (ATV)-Tracked**”

i) **Description of Technology :**

Terrorist strikes in Urban areas have brought a new challenge before security forces. Aftermath of 26/11/2008 terrorist attack on Taj hotel and other places in Mumbai, dictated the need for an agile, compact with weight and dimensional profile, highly maneuverable armoured envelope adequately protected to carry 2/3 persons in hostile environment especially in the corridors of buildings, small gullies, constrained spaces of hide outs etc for Anti-Terrorist operation.

Therefore, Anti-Terrorist vehicle (Tracked) has been indigenously developed taking into consideration various aspects like weight and dimensional profile, accommodation of 3 persons, all round ballistic and blast protection, better firing capability and capability negotiate to small gullies and narrow lanes during operations. The vehicle has been trial evaluated by the users.

**Brief Salient features of ATV (Tracked) are given below.**

- Compact vehicle capable of moving into small gullies/lanes.
- Accommodate 3 persons
- 360 degrees revolving
- Can move on tracked as well as on tyre
- All round Armour and Bullet proof glass protection
- Quick deployment is possible
- Blast protection
- Better mobility in cross country
- Step climbing of 7” height min 4 steps
- Low TCD
- Air-Conditioning system
- Situational awareness Camera

**Technical Specifications of ATV (Tracked)**

Basic Vehicle	- Vectra- Automotive driveline with rubber track Model- Skid Steer Loader HEMAN -175, of M/s Vectra Advanced Engg. Pvt. Ltd., New Delhi
Dimensions LxBxH (mm)	- 2460 x 1890 x 2310
GVW (kg)	- 2800
Payload (kg)	- 240
High Power to weight ratio (hp/ton)	- 25
Max. Speed (km/h)	- 15
Gradeability (degree)	- 10.2°
Firing Port (Nos.)	- 4
TCD (m)	- 2
Propulsion	- IC engine

Fuel Capacity (Ltrs)

- 62 (Diesel)



ATV (Tracked)



Front & Rear seating



ATV (Tracked)

**ii) Application areas :**

The ATV (Tracked) is develop a small vehicle deployable into the space constrained areas/buildings. This innovation is useful in Low Intensity Conflicts.

**iii) Its USP-such as Certification and test results etc. :**

No indigenous substitute or alternative solutions available.