Punjab – the land of Brave-hearts

Defence Gallery

Where you can see, touch and feel some of India’s defence equipments

Sandeep Gautam, TA
This gallery is a visual treat for those who would love to know the details of Artillery and Air crafts

The gallery houses:

- A "made in India" Vijayanta Tank employed in 1971 for the liberation of Bangladesh;
- An Anti-aircraft gun used extensively during the wars.
- A 53 VA Torpedo to destroy enemy ships and submarines.
- A MIG-23, a star possession of Indian Air Force, used extensively during Kargil war.

Who would not like to have that feel of patriotism while:

- Getting into the cockpit of the MIG or the LT-11 two-seater civil training Swati Aircraft.
- Looking at these gems from the repository of the artillery so closely.
**MiG-23**

**MiG-21bis** Country of origin Soviet Union Entered service 1972

*Dimensions and weight*
- Length : - 52 ft 1 inch.
- Height : - 15 ft 10 inch
- Wing span : - 45 ft 10 inch.
- Crew : - 1

*Engines:* - 1
- Maximum speed: -2.35 Mach , 2500 Km/h

*Maximum Height:* - 59055 ft

*Armament*
- Cannon 1 x 23 mm GSh-23L (200 rounds) Missiles R-3 (K-13), R-13M (K-13M), R-60, R-60M air-to-air missiles, Kh-66 air-to-surface missiles Bombs various bombs, including general-purpose, fragmentation, chemical and cluster with a maximum weight of up to 1 000 kg Other pods with 57 mm or 240 mm unguided rockets
The Vijayanta Tank was extensively employed during the liberation of Bangladesh in 1971 Indo-Pak war.

The P & T Department issued a special postage depicting the Tank manufactured in India on March 4th 1976.

The tank was phased out of service in 1997.
Vijayanta Tank - Specifications

Manufacturer: Heavy Vehicles Factory, Avadi
Product type: Armoured Vehicles
Indigenously built on a licensed design of the Vicker’s MK 1. (Britain)
The tank entered service in 1965.

Specifications:
Crew: 4 (commander, driver, gunner, loader)
Weight: 39000 Kg.
Engine: Leyland L60 Diesel 535 bhp (399 kw)
Max speed: 50 Km/h
Range: 530 Km

Armament:
• 105 mm L7A2 rifled Gun with 50 round (main Gun) with a range of 2000m.
• 12.7 mm Browning MG (Machine Gun) with 1000 rounds (ranging)
• 12.7 mm MG (Machine Gun) with 2000 rounds (Anti Air)
• 7.62 mm MG (Machine Gun) with 500 rounds (Co-Axial)
- These are weapons designed to attack aircraft.
- They commonly have a high rate of fire and are capable of firing at high angles, but are also usually able to hit ground targets as well in a direct fire role.
- They are used against helicopters, strafing planes (like the A-10), drones and even missiles and falling bombs as long as their radar can detect them.
- However, many advanced missiles are used now.
Torpedos are Russian wake-homing military equipment designed to destroy surface ships and submarines.

Specifications

- **Ship class Used On**: Surface ships and submarines
- **Date in service**: 1966
- **Weight**: 4,409 lbs (2000 Kg)
- **Overall Length**: 303 inch (7,700mm)
- **Diameter**: 21 Inch (533mm)
- **Explosive charge**: 882 lbs (400 Kg)
- **Range**: 4000m
- **Speed**: 53-56VA/29 Knots
- **Power**: 53-56VA: Kerosene Air Wet-Heater
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THANKS

PUSHPA GUJRAL SCIENCE CITY,
KAPURTHALA