



Ordnance Factory Medak

- **BMP-II Sarath**
- **CMT (Carrier Mortar Tracked)**
- **CCPT (Carrier Command Post Tracked)**
- **AERV (Armoured Engineering Reconnaissance Vehicle)**
- **AAT (Armoured Ambulance Tracked)**
- **CRN-91 Gun (Close Range Naval Gun)**
- **ICV Command**

Established in **1984**



Machine Tool Prototype Factory, Ambarnath

- **SPMs (Special Purpose Machines)**
- **Gear boxes for Armoured Vehicles**
- **Electronic fuzes for Ammunition**
- **Decoy launcher (KAVACH)**

Established in **1953**

Infrastructure Available in AVNL Production Units

Heavy Vehicles Factory Avadi



CNC Controlled Cold Roll Hardening for Torsion Bar



CNC Turn Mill Centre



CNC Cylindrical Grinding Machine



CNC Torsion Bar Twisting Machine

Engine Factory Avadi



Landis Grinding Machine



CNC Turning Centre

Machine Tool Prototype Factory, Ambernath



CNC Gear Shaping Machine



CNC Thread Grinding Machine



CNC Gear Grinding Machine



3D Cordinate Measuring Machine



CNC Gear Hobbing Machine

Vintage Products



Jonga



Vijayanta



Armoured Recovery Vehicle



Shaktiman



Nissan

Customised Bullet Proofing



Maruthi Gypsy



Ambassador



Tata 407



Tata Safari



MPV 4x4



Toyota Prado

Current Products Range of AVNL



"If the army is the first line of defence, the industry is the second."

- Field Marshal K.M. Cariappa

T-72 Ajeya (CIA) Tank

- 780 HP Engine
- Layered Armour Protection
- 125mm smooth bore Gun
- 7.62 mm Co-axial Machine Gun
- 12.7mm air defence Machine Gun



T-90 Bhishma Tank

- 125mm smooth bore 2-axis stabilized gun with a thermal sleeve
- 1000 HP Engine
- Maximum range of aimed firing with TIFCS with 1800 mtr range
- Capable of firing Laser Guided Missile through its Gun Barrels - 5000 mtr Range



Upgraded BMP-II M

- Armament upgrade
- 3rd Gen TI Sight
- Integration of Fire Control System



MBT-Arjun

- 1400 HP Engine
- Combat capability in both day & night
- Configured and designed for Indian conditions with advanced equipment



Bridge Layer Tank

- Instant bridge laying and recovery
- Capable of laying 20 mtr Scissors Bridge



T-72 Trawl

- Capable of creating Vehicle Safe Lane (VSL) of 5.39 mtr width through minefield using for numbers of Trawl tanks in tandem
- Combination of roller and plough type



BMP-II Sarath

- High mobility & speed upto 65 kmph, with easy steering ability
- Amphibious vehicle which can travel at 7 kmph on water
- Camouflage capability with the help of smoke grenades



Armoured Ambulance Tracked

- Capable of providing immediate medical attention to injured battle field casualties
- Fully tracked and high mobility Vehicle
- Can cross water obstacles



Carrier Mortar Tracked

- Capable of firing 81 mm mortar
- Capable of firing 7.62mm MAG Gun



Carrier Command Post Tracked

- Capable of tactical fire control functions to achieve effective deployment of Self-Propelled (SP) artillery guns.
- Serves as a common platform for command post functions of all the Indian artillery guns



Armoured Engineer Reconnaissance Vehicle

- Designed to carry out terrestrial and riverbed survey to facilitate construction of assault bridges across water obstacles in both offensive and defensive operations in plain, desert and riverine terrain
- Equipped with specialized equipments including: echo-sounder, water current meter, laser-range-finder and GPS



NBC-Reconnaissance Vehicle

- For tactical support in carrying out Nuclear, Biological & Chemical contamination survey
- Testing soil, air and water or NBC contamination
- It protects crew against NBC contaminated environment



Close Range Naval-91 Gun

- Close Range Naval-91 is a naval version of 30mm automatic gun installed on a ship
- Capable of being remotely operated



V-92S2 Engine For T-90

- Fitted on BHISHMA Battle Tank (T-90)
- Turbocharged
- 1000HP at 2000 RPM



V46-6 Engine For T-72

- Fitted on Ajeya Battle Tank (T-72)
- Super charged
- 780HP at 2000 RPM



UTD-20 Engine For BMP-II

- Fitted on Sarath Vehicle (ICV BMP- II)
- Naturally aspirated
- 300HP at 2600 RPM



Stallion

- 5/7.5 Tonnes category
- 4X4 Power Train
- 180 HP Diesel Engine



LPTA

- 2.5 Tonnes category
- 155HP Diesel Engine, Torque 590 Nm @ 1500rpm
- 4X4 Power terrain



2KL-water Bowser

- Off road capability
- Capable of maintaining temperature within 5-degree variation between in the range (+)50 °c (-)10°c



Upgraded Mine Protected Vehicle (MPV)

- Upgraded version of MPV 4X4
- Major upgradation includes Mobility, HVAC, Rear View Camera, Self-Recovery Winch, Rotating Search Lights and Power Operated Rear view Mirror



MMPV 6X6

- Modernised Mine-Protected Vehicle (MMPV) 6X6: Designed and developed by AVNL
- Successfully tested by CRPF
- 320 HP, BS-IV Diesel Engine generating peak torque of 1250 Nm at 1200-1800 rpm
- Protection against High Blast impacts
- Rear view camera with night vision capability



Sharang Gun

- Upgradation of in-service 130 mm Field Gun
- Caliber - 155/45 mm
- Mechanized ammunition loading system through Ammunition Tray and Rammer Assembly



Electronic Fuzes

- Provides double layer safety (Electronic and Mechanical)
- Compliance with International standards MIL-STD-1316 & 331 and STANAG-4187



Kavach MOD-II

- Designed to counter the threats of various anti-ship missiles by using Chaff Decoys
- Provides soft kill defence in three layered defence scheme



New Products Launched by **AVNL**



GS HARDTOP

Designed, Developed and Manufactured at Vehicle Factory Jabaipur

- High Power to weight ratio of 39KW/Ton and selectable 4x2/4x4 for offroading capabilities operations
- Operating temperature range of -15° to $+45^{\circ}$ C
- Operating range of more than 600kms
- Seating capacity of Seven



Light Bullet Proof Vehicle (LBPV)

Designed, Developed and Manufactured at Vehicle Factory Jabaipur

- Designed to withstand STANAG-1 ballistic threat from all sides, underbelly grenade blast and side mine blasts
- Equipped with Run flat tyres
- Reinforced suspension system for better mobility



Human Resource Development

Human Resource within an organization is recognized as one of its paramount assets. This valuable resource significantly contributes to the organization's journey towards global leadership. AVNL places utmost importance on continually enriching its talented and experienced workforce, ensuring they remain abreast of the latest manufacturing and management techniques while adhering rigorously to stringent quality guidelines.

The training initiatives are meticulously crafted to align with customer requirements, promoting inclusive growth and addressing specific needs effectively.

To achieve the above, it has the following Institutes of Learning which are centres of excellence in the respective field of their specialisation.

1. AVNL IOL, Avadi
2. AVNL IOL, Medak
3. AVNL IOL, Ambarnath



AVNL Institute of Learning, Avadi

AVNL IOL was originally founded in 1996 as a Regional Training Institute to provide training for Grade 'B' and 'C' employees from the former Ordnance Factories and allied establishments. It was later renamed Ordnance Factories Institute of Learning (OFIL). Following the corporatization of the Ordnance Factories, it has been rebranded as AVNL Institute of Learning.

The institute is responsible for Executive Training, specializing in Management, Quality, Industrial Engineering, and Armoured Vehicle Technology for AVNL employees.

AVNL IOL, Avadi boasts of excellent training facilities, including two air-conditioned classrooms equipped with modern facilities and can accommodate up to 50 individuals each and a Hybrid Class Room that seats 70. It features a well-equipped LAN room with 35 computers connected to the internet.

In the field of Armoured Vehicle Technology training, IOL, Avadi operates specialized workshop equipped with operational models of T-72, T-90, and BMP engines, as well as diverse tank subsystems. Trainees engage in immersive, hands-on exercises in a dedicated demonstration room, concentrating on the intricate assembly and disassembly of gearbox components, shock absorbers, air compressors, and hydro-pneumatic systems.

AVNL IOL, Avadi enhances its training program through collaborative efforts with HVF (Heavy Vehicle Factory) and EFA (Engine Factory Avadi), facilitating educational factory visits. These visits provide trainees with invaluable practical insights into manufacturing processes, and other pertinent aspects of armoured vehicle production.

This integrated approach ensures comprehensive skill development and practical knowledge acquisition essential for proficiency in armoured vehicle technology.

AVNL IOL, Avadi also provides training to Army personnel in Armoured Vehicle operation and maintenance. The Indian Army, as the main customer of AVNL, has hailed this collaborative exercise and training initiative.

Since its inception, IOLAV has conducted 1868 courses, training close to 44719 employees. Notably, it has trained 2683 Armoured Core Personnel of Field Units in AV Technology Courses, covering topics such as gun control, transmission systems in tanks, and maintenance. For the financial year 2024-25, IOLAV organized 120 courses with 2719 participants.

Participants from other departments are attending the training programmes organised by IOLAV. Apart from that AVNL IOLAV has conducted exclusive training programmes to the employees of CVRDE, Survey of India, (Chennai & Kerala units), Indian Coast Guard Chennai.

Additionally, in the year 2024-25, IOLAV signed an MoU with VELTECH R&D Institute, Avadi, Chennai to further upgrade its offerings. It has also signed an MoU with Rajalakshmi Engineering College, along with IINVITY, Chennai.

IOLAV is optimizing costs and expanding its services to include professional development courses, corporate training programs, and mentorship initiatives.

Certificate of Accreditation

In order to enhance the credibility, reputation and quality of training institutions, while also ensuring compliance with national and international standards, all three AVNL Institutes of Learning (AVNL IOLs) have been accredited under the Capacity Building Commission's National Standards, as assessed by the National Accreditation Board of Education and Training (NABET) for their continual compliance with these standards.



A workshop on TIESSA Integration in T90, Ord repair, Maintenance & QC in T90, Maintenance, Defects & Remedial measures on Automotive, Firepower and Protection system in T72 & T90.



A session on Prevention of Sexual Harassment (PoSH) at the workplace.



A session on Gun Control System, ALG, Zeroing and Fire Control System in T72& T90.

AVNI Institute of Learning, Medak

IOL, Medak is the Premier Institute in training personnel in the field of CNC Programming and CNC Technology, which makes it unique. It was earlier known as RTI Medak.

Training Infrastructure

AVNI IOL Medak has the following infrastructure capability.

- Hostel Complex for 100 personnel along with 2 Lecture Halls 4 AC class rooms with each class having 30 seating capability.
- 1 AC conference hall

- Laboratory
- IT lab having 25 LAN computers along with other teaching aids and internet facility
- Library



Training Programmes

The Core Competency of the Institute are CNC Part Programming and CNC Technology. It has CNC Lab with Siemens and Fanuc Simulation Software. It has 16 licenses of SIEMENS SINUTRAIN B40D & FANUC NC GUIDE SIMULATION SOFTWARE to train the participants on Part Programming.

During the year 2024-2025, IOL Medak conducted 75 courses in which 1063 participants attended. These courses included CNC, Management, Technical, SPC, SQC TECHNIQUES and SIX SIGMA, Operation and Maintenance of BMP & its variants. Also, topics on Artificial Intelligence, Industrial Safety Management, Quality 4.0 and a workshop of GeM were organised, additionally Marketing, Branding and Export Acumen course was conducted through NMIMS, Hyderabad.

The Institute has signed MoUs with the following reputed organisations:

- Administrative Staff College of India (ASCI), Hyderabad
- Narsee Monjee Institute of Management Studies (NMIMS), Hyderabad
- National Informatics Centre (NIC), Hyderabad
- RDSDE (Regional Directorate Of Skill Development & Entrepreneurship), Hyderabad
- ESCI (Engineering Staff College of India), Hyderabad



A session on the capabilities of BMP



A session on QUALITY PATRON



A session on Marketing, Branding and Export Acumen



AVNL Institute of Learning, Ambarnath

AVNL IOL Ambarnath was earlier known as Artisan Training School. In 1950s, Apprentices were trained in the field of Mechanical Engineering Trades. These trainees, after their completion, were picked up by many leading industrial houses located in Maharashtra, Gujarat and other Western Parts of the Country. They were instrumental in many of the Industrial progression of leading industries like TATA, Godrej, Mazgaon Dock etc.

Infrastructure

AVNL IOL, Ambarnath has the following Infrastructure facilities:

- 4 AC modern classrooms accommodating 40 individuals per room, with Interactive Panel with modern teaching aids
- 31 workstations in the IT lab
- 30 workstations in the design lab
- Hydraulic and Pneumatic Lab with Electro-Hydraulic and Electro-Pneumatic Kit, Advanced Pneumatic Kit, LVDT training kit, Micro-controller kits
- New Robotic & Mechatronics Lab
- Auditorium seating capacity of 213
- 04 Wings of Hostel consisting of 02 Dining Halls, 01 Gymnasium, 01 recreation hall with indoor game facility
- Library with 4500 technical and non-technical books



MoU has been signed with following prestigious institutions for collaboration in training and development:

- XLRI Leadership Education and Development (XLEAD), Jamshedpur
- IIT, Bombay
- Some of State Engg. & Polytechnic Colleges

Training Programmes

In the year 2024-25, IOLAM conducted 113 courses for AVNL Units & other DPSUs in which 2341 participants attended the courses. Some of the courses were AUTOCAD Mechanical, Cyber Security, Cyber Forensics, Artificial Intelligence, Joint Venture Collaboration, Corporate communication, ERP, IPR etc.

Programmes on Hydraulics and Pneumatics were held as part of specialized training. Selected students pursuing their ITI at different institutes, were given exposure to AutoCAD.

Programmes on Team Building were conducted as part of Revenue Generation for MDL Executives and Non-Executives.



A session on Hydraulics and Pneumatics for ITI Marhad



A session on Women Empowerment



A session on the usage of AI and ChatGPT



A session on Management of Training (MOT)

AVNL's initiative to sign Memorandums of Understanding (MoUs) with leading educational institutions reflects its forward-thinking approach to shaping the future of the defence industry. By bridging the gap between academia and industry, AVNL is not only providing students with valuable training opportunities but also fostering a skilled, modern workforce equipped to contribute across all facets of defence production from HR, Finance, Engineering to Manufacturing. This commitment highlights AVNL's dedication to innovation, national development, and empowering the next generation of professionals in the defence sector.

AVNL has signed MoU during the financial year 24-25:

- Xavier Labour Research Institute, Jamshedpur
- INVITY (Corporate Training, Audit & Certification Verticles)
- Dhanalakshmi Srinivasan College of Engineering & Technology
- Rajalakshmi Engineering College
- Tamilnadu skill development corporation (TNSDC)



AVNL has signed a Memorandum of Understanding (MoU) with SASTRA Deemed University, Thanjavur on 11th April, 2025 to collaborate in the field of training and development programmes encompassing recruitment, internship programmes, establishing smart digital factory and research park.



AVNL signed Memorandum of Understanding (MoU) with the Directorate of Technical Education (DoTE), Government of Tamil Nadu on 07th March, 2025. AVNL through Institute of Learning (IOL), an ISO certified, premier training institute will support the faculty development programme of DoTE.



MoU signed with IINVTY to promote collaboration in advance technology, research and training. IINVTY is a Chennai based innovation and skill development company offering cooperative training, research and audit services through it's specialized Neuro Techno Model.



MoU signed with Dhanalakshmi Srinivasan College of Engineering & Technology to jointly conduct technical training programs.

Association With Industry Bodies

Armoured Vehicles Nigam Limited (AVNL) has signed several Memorandums of Understanding (MoUs) with leading industry bodies such as SCOPE, FICCI, SIDM, and other reputed institutions, aimed at enhancing industry collaboration and knowledge exchange. These partnerships open avenues for policy advocacy, R&D collaboration, and market access. SCOPE (Standing Conference of Public Enterprises) promotes excellence among CPSEs and facilitates capacity building. FICCI (Federation of Indian Chambers of Commerce & Industry) offers access to national and international industry forums, enabling AVNL to align with emerging technologies. SIDM (Society of Indian Defence Manufacturers) helps integrate AVNL into the defence MSME ecosystem, boosting innovation and indigenisation efforts.



Research And Development

AVNL has successfully designed, developed, and manufactured Armament Upgrade of BMP-II and completed army field trials and evaluations successfully. This R&D project's success led to securing an order worth Rs.6089.53 Crores for BMP-II up-gradation. Additionally, AVNL has also successfully developed Mine Protected Vehicles (4x4 and 6x6 versions), Decoy Launcher Kavach, Close Range Naval Gun (CRN-91), Upgrading of power of T-72 Tank from 780 HP to 1000 HP Engine and Electronic Fuzes.

Ongoing projects

AVNL is in the process of designing and developing state-of-the-art military platforms such as FICV, FRCV, Bharat tank, Firepower Upgrade, Indian Light Tank, Light Armoured Multipurpose Vehicle, GS Hard Top (4X4) and Wheeled Armoured Fighting Vehicle (8x8). AVNL has initiated 16 R&D projects for the development of new products and 35 R&D projects for upgrading existing products, with a total value of Rs.817 Crores. To achieve this, AVNL has collaborated with leading academia, R&D institutions, Indian industry partners, Indian & foreign OEMs.

Some major R&D projects under development:

- Futuristic Infantry Combat Vehicle
- Future Ready Combat Vehicle
- Armoured Vehicle Tracked-Light Repair
- Armoured Recovery Vehicle
- Indian Light Tank
- Wheeled Armoured Fighting Vehicle (8x8)
- Bharat Tank
- Kavach MoD-III
- Light Armoured Multipurpose Vehicle
- GS Hard Top (4X4) Vehicle



Upgrading of power of T-72 Tank from 780 HP to 1000 HP Engine

AVNL's continuous efforts under Mission Raksha Gyan Shakti (MRGS) for enhancing the company's intellectual capital resulted in filing 38 patents, 10 copyrights, and 3 trademark in 2024-25.

Under the IDEX (Innovation for Defence Excellence) program, to promote startups and solve complex issues, AVNL has initiated 13 challenges which are in the active stage of development.

AVNL has prioritized R&D by providing resources and top-level management commitment to introduce innovative products to the customer. AVNL's capital investment in 2024-25 is Rs.66.33 Cr and is planned to increase by an additional 20-25% in next year.



GS Hard Top (4X4)



Certifications

As Quality being the focus area for the company, AVNL is committed for continual improvement through process approach in line with world class quality system. All AVNL Units are accredited to ISO 9001:2015 for Quality Management Systems (QMS), as a milestone one of the Unit i.e. OFMK has certified AS 9100D on Aerospace Quality Management System Standard. The testing Labs of Units are certified with ISO/IEC 17025:2017, which pertains to the competence of testing and calibration laboratories to ensuring AVNL products to meet global standards.



QUALITY MANAGEMENT SYSTEM



OFMK/AVNL AEROSPACE QMS



OCCUPATIONAL HEALTH & SAFETY
MANAGEMENT SYSTEM (OHSMS)



ENVIRONMENTAL MANAGEMENT
SYSTEM



ENERGY MANAGEMENT
SYSTEM



INTERNATIONAL
STANDARD FOR TESTING
& COLLABORATION

Steps Towards Aatmanirbharata

In support of the 'Make in India' initiative and self-reliance in defence, AVNL units are closely collaborating with Indian industries to develop and produce indigenous items and sub-systems. AVNL has organized various seminars and outreach programs to achieve this goal. AVNL has identified 44 major sub-systems/Line Replaceable Units (LRUs) for Russian platforms to be indigenized, and these have been included in the Positive Indigenization Lists. So far 37 LRUs are indigenized.

Indigenization initiatives for these items have already been launched through Source Development Orders or Project Sanction Orders (under Make-II). AVNL is actively supporting the relevant industries in expediting the development of these items by providing samples, access to testing facilities, and technical guidance & support.

In 2022-23, 12 LRUs had been indigenized, in 2023-24, 8 LRUs indigenised and in 2024-25, 4 were indigenized, making a total of 37 LRUs with continuous efforts by AVNL units and Indian industry partners.

The details of the 4 LRUs indigenized in 2024-25 are as follows:

- **BORE SIGHTING DEVICE - AVNL/HVF**
- **BH ELEVATION DRIVE - AVNL/HVF**
- **PRE HEATER ASSY - AVNL/HVF**
- **12 TYPES OF RUBBER ITEMS FOR IGB - AVNL/MTPF**

These efforts have yielded significant benefits for the country, including reduced dependency on imports, competitive pricing, and savings in foreign exchange.

Due to these persistent efforts, the indigenization level have increased to 96% for Tank T-72, 88% for Tank T-90 and 98% for ICV BMP-II.

Successfully Indigenized Products during 2024-25



PRE HEATER ASSY - AVNL/HVF

During operation of the preheating system, fuel is fed through gauze filter to fuel pump, solenoid-operated valve and injector, which injects atomized fuel into boiler combustion chamber. In the combustion chamber fuel gets mixed up with air delivered by blower fan and forms a fuel mixture, which is lighted by glow plug. In the process of burning it warms up the fluid circulating in the fluid channel of the preheater boiler. The warmed-up fluid is delivered by preheater pump through heater radiator over the pipelines to engine, housings of oil priming pumps, coil pipes of the oil tanks, warms them up and returns to the preheater.

Indigenised Date : 03/03/2025
 PRO No. : PRO45971 (PIL-2)
 Used in : T-90 Tanks
 Indigenised By : M/s DND Enterprises Pvt. Ltd.,
 Nagpur



BORE SIGHTING DEVICE - AVNL/HVF

Group SPTA item. Success of the mission depend on the aiming accuracy of equipment. This needs to be right on target. It is used to align/tune the main Gun (125mm) bore with the sighting devices (Gunner vision device, Commander vision device) used in the Tank.

Indigenised Date : 30/04/2024
 PRO No. : 62311 (PIL-2)
 Used in : T-72 / T-90 Tanks
 Indigenised By : Ordnance Factory Dehradun/IOI

BH ELEVATION DRIVE - AVNL/HVF

B.H Elevation drive is intended to lay the antiaircraft machine gun mount in elevation and azimuth and to control the antiaircraft machine gun fire.



To cut out the firing circuits of the antiaircraft machine gun in the "inhibit" zone (fire at the gun barrel), provision is made for the sending units mounted in the power elevation reduction gear unit and on the front left-hand part of the commander's cupola. When the antiaircraft machine gun mount is located in the elevation and azimuth "inhibit" zones, the firing circuits get cut out. When the antiaircraft machine gun mount is positioned only in one of the "inhibit" zones, the firing circuits get cut in.

The B.H. elevation operates in the following modes:

- Automatic mode in which the antiaircraft machine gun mount follows the position of the mirror of device TKH-4C/CTI T90 within an elevation range of -3° to $+20^{\circ}$;
- Semiautomatic mode in which the antiaircraft machine gun mount is controlled independently (irrespective of the position of the stabilized mirror of device TKH-4C/CTI T90) within an elevation range of -3° to $+66^{\circ}$.

Indigenised Date : 24/10/2024
 PRO No. : PRO62300 (PIL-2)
 Used in : T-90 Tanks
 Indigenised By : M/s Allweld Engineers, Pvt Ltd, Bangalore
 & M/s Bharat Forge, Pvt Ltd, Pune

12 Types Of Rubber Items For IGB (AVNL/MTPF)

			
SELF-CONTRACTING COLLAR ASY TO DRG NO. 175.47.045/046 QTY/SET - 01	PACKING RING (SEALING RING) TO DRG NO. 175.47.018 QTY/SET - 16	PACKING RING (SEALING RING) TO DRG NO. 175.47.020 QTY/SET - 01	PACKING RING TO DRG NO. 175.45.125 QTY/SET - 01
			
PACKING RING (RING PACKING) TO DRG NO. 175.43.027 QTY/SET - 04	PACKING RING (SEALING RING) TO DRG NO. 175.45.080 QTY/SET - 01	PACKING RING (SEALING RING) TO DRG NO. 175.47.090 QTY/SET - 01	PLUG (RING CAP) TO DRG NO. 155.32.481 QTY/SET - 01
			
CLIP TO DRG NO. 173.47.108 QTY/SET - 01	SEAL OIL (SHIFT OIL SEAL) TO DRG NO. 172.45.087-1 QTY/SET - 01	SPRING TO DRG NO. 172.41.137 QTY/SET - 01	SEAL ASSY. TO DRG NO. 64.08.076/078 QTY/SET - 01

12 type of rubber items were imported from M/s Uralvagonzavod Russia, and M/s Rosoboronexport, Russia. These rubber items are being used in IGB T890/T872 Tank (OE & OH).

M/s Vako Seals Pvt. Ltd. Mumbai has developed 12 types of rubber items. Tank running Trials were taken on IGB fitted with improved seals at MTPF and HVF. Trials were found satisfactory and Material was modified in the drawing through alteration committee. Item is fully indigenized in the month of March-2025

Indigenised Date : 13/03/2025
PRO No. : PRO60616 (PIL-1)
Used in : T-90/T-72 Tanks
Indigenised By : M/s Vako Seals Pvt. Ltd, Mumbai.



Service For Customers

AVNL has proactively taken initiative to establish Forward Support Centres (FSCs) at Patiala and Jodhpur to strengthen customer satisfaction by ensuring timely and reliable warranty support. These centres are designed to improve operational readiness by delivering essential services closer to the forces, thereby fulfilling critical field requirements more efficiently.



Training of Army Personnel for Operation and Maintenance

IOLAV and IOLMK regularly conduct Armoured Vehicle specialised training for EME and Armoured Corps personnel. This not only helps in understanding the complexities in the process of manufacturing but also its maintenance, defect investigations and prevention.

Armoured Vehicles which are manufactured at AVNL units are covered under 1 year warranty. During this period if any complaints or defects are received, they are attended by a team of specialists from respective units to the locations where the Armoured Vehicle is located, including forward posts.

Participation in Conclaves and Exhibitions



Aero India 2025

AVNL, the largest supplier of Armoured fighting vehicles to the Indian Army, showcased its cutting-edge defence technology at Aero India 2025 held from 10th - 14th Feb. On display at AVNL's stall were the BLT (Bridge Laying Tank), the advanced Kavach Mod-II (Naval Decoy System), and the BMP-II Sarath, among our other products. Visitors included Dr. Garima Bhargal, Joint Secretary (Land System), Defence Production, Chief of the Army Staff, General Upendra Dwivedi, PVSM, AVSM, visited the AVNL stall and other dignitaries.

