



PRODUCT CATALOGUE



Our Vision

"To become Eye of the
Soldier in vision and
Communication business"



India Optel Limited, a fully owned Government of India Enterprise, under Department of Defence Production, Ministry of Defence has been incorporated on 1.10.2021 to achieve self-reliance in the field of Optoelectronics and Communication solutions for Armed Forces, and Paramilitary Forces along with other customers.

India Optel Limited has been entrusted with responsibility to give renewed thrust to expand Electro-Optical solutions for "Atma Nirbhar" Bharat in line with Government of India's vision in Defence Manufacturing. In other words "To become Eye of the Soldier".

COMPANY'S HISTORY

1941

Ordnance Factory, Dehradun popularly known as OF Dun was conceived in 1941, as a result of the decision to shift the Mathematical Instruments Office, from 15 Wood Street, Kolkata.

1963

Ordnance Factory, Chandigarh (OCFD), was established in 1963 to cater the communication needs of Indian Armed Forces.

1988

Opto-Electronics Factory, Dehradun (OLF) was established in 1988 for production of hi-tech optical and Opto-Electronic instruments for tank T-72, T-90 and Infantry Combat Vehicle (ICV) BMP-II.

2021

INDIA OPTEL LIMITED (IOL), a fully owned Government of India Enterprise, under Department of Defence Production, Ministry of Defence established in 2021.

PRODUCT PROFILE

Tank T-90 Sights (BHISHMA)

- Fire Control System 1A43
- Thermal Imaging Sight "TI-ESSA"
- Anti Aircraft Sight PZU-7
- Simulator Test Interrogation Kit
- Commander's Sighting and Vision System PNK- 4S
- Driver Night Sight TVNE-4B M2
- Muzzle Bore Sight 125
- Commander Thermal Imager Cum Day Sight
- Commander Sight TKN-4S

Tank T-72 Sights (AJEYA)

- Commander Thermal Imager Cum Day Sight MK-II
- Gunner's Sight TPD-K1
- Commander's Sight TKN-3
- Driver Night Sight TVNE-4B M1
- Muzzle Bore Sight 125

BMP-II/ICV Sights (SARATH)

- Gunner's Sight BPK-2-42
- Commander's Sight TKN-3B
- Driver Night Sight TVNE-1PA
- Missile Sight 9SH-119M1
- Anti Aircraft Sight 1P3-3
- Driver Night Sight

MBT Arjun Sights

- Gunner Unity Window
- Gunner Articulated Sight
- Driver's Day Periscope (SIDE)
- Drivers Periscopes Day Sight (CENTRAL)
- Commander Day Episcopes Assembly
- Loader Day Periscope

Infantry Weapon Sights

- Telescope Sighting 5.56MM RIFLE(INSAS)
- Telescope Sighting 5.56MM LMG(INSAS)
- Day Sight Telescope for 7.62X51 mm LMG(5X)
- Night Sight (Thermal Imager) 84 mm Carl Gustav RCL
- Day Sight Telescope for 7.62X51 mm Assault Rifle(4X)
- PNS 5.56 mm for LMG
- MOD.PNS for 5.56 MM RIFLE (INSAS)
- MOD. PNS12.7AD GUN
- Telescope Sight for Anti-Material Rifle
- Red Dot Sight
- Telescopic Sight CGRL MK-III
- Telescopic Sight CGRL MK-I
- Zoom Telescope

Surveillance Sights

- Hand Held Thermal Imager
- HR Binocular 8x30
- Passive Night Vision Monocular
- Light Weight Passive Night Vision Binocular
- Passive Night Vision Goggle
- Long Range Thermal Imaging Sight
- Mini Uncooled Sight
- Binocular Drishiti 12X

Artillery Sights

- Sight Unit Cased 102B
- Director Fire Control No. 7
- Sight Dial 104A
- Back-up Sights for Dhanush Artillery Gun

Periscopes

- SE-15
- TNP-165A
- TNPO-160
- TNPO-168B
- TNPA-65A

Wires & Cables

- Communication Cables
 - Cable Telephone JWD-I
 - Carrier Quad Cable
 - Jelly Filled Cables
- Anti Personnel Mine Cable
- Radio Frequency Coaxial Cables
- Jumper Wires
- Air Field Lighting Cables
- 20 Conductor Cable
- 3KV Plug and Socket Moulded Cable

Cable Harnesses

- Turret Group
- Hull Group
 - Hot Zone
 - Cold Zone
- Stabiliser Group
- Automated Loading Group

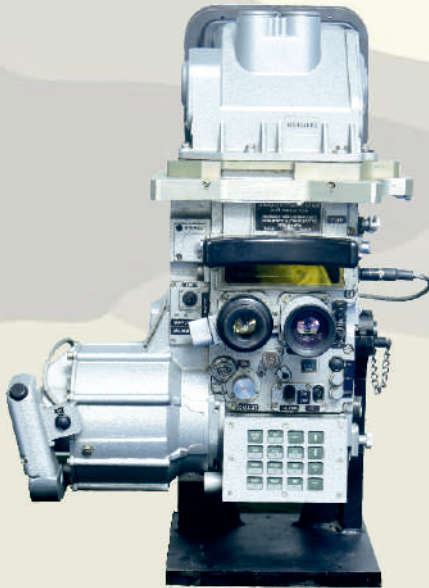
Stabilized Remote Controlled Gun



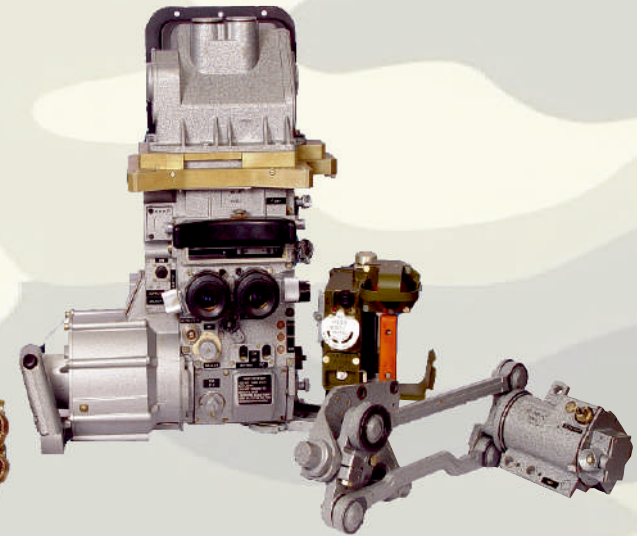
T-90 Sights (BHISHMA)



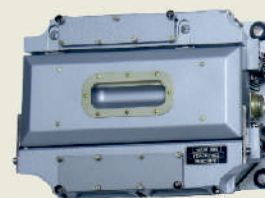
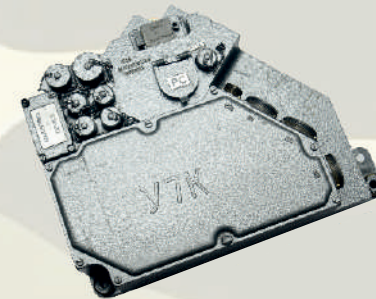
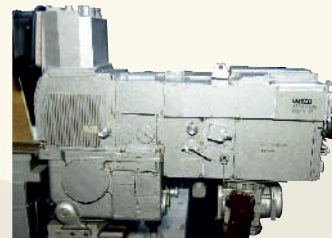
Simulator Test Interrogation Kit (STIK)



Commander Thermal Imager Cum Day Sight (CTI-T90)

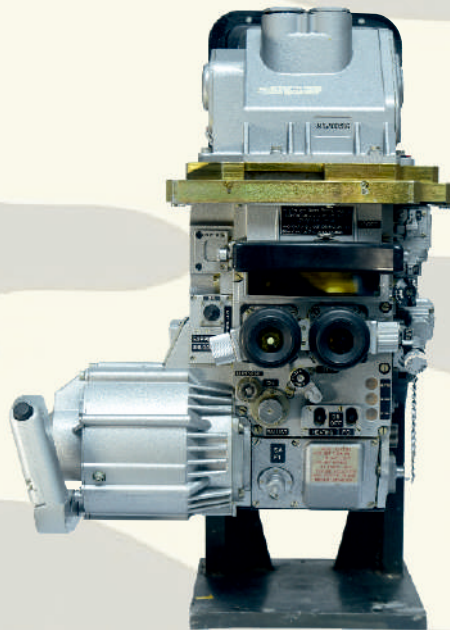


Commander's Sighting and Vision System PNK- 4S

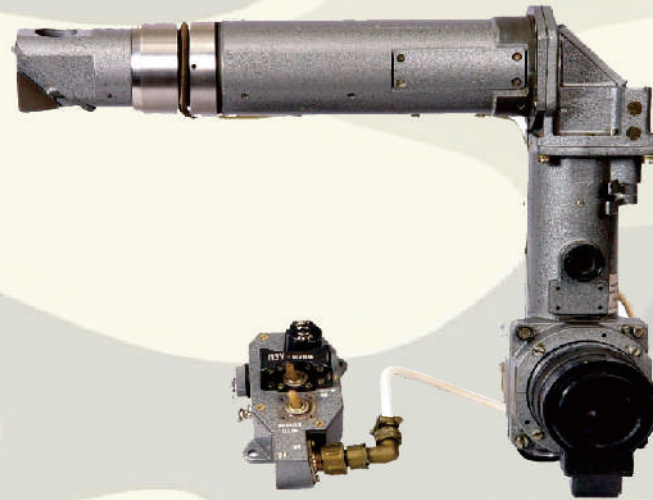


Fire Control System IA43

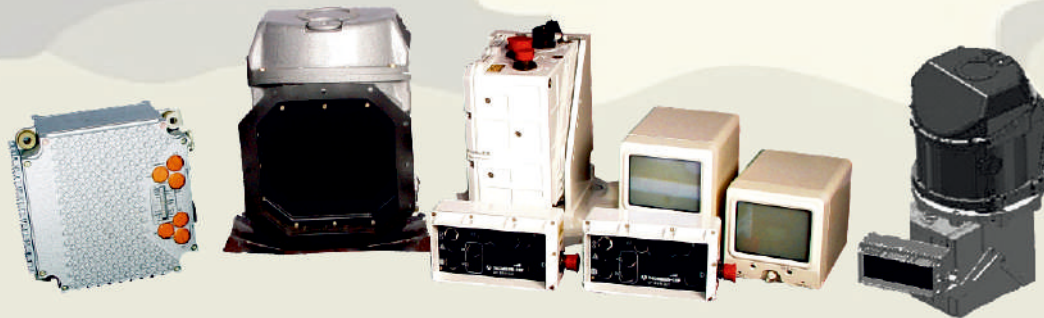
T-90 Sights (BHISHMA)



Commander Sight TKN-4S



Anti Aircraft Sight PZU-7

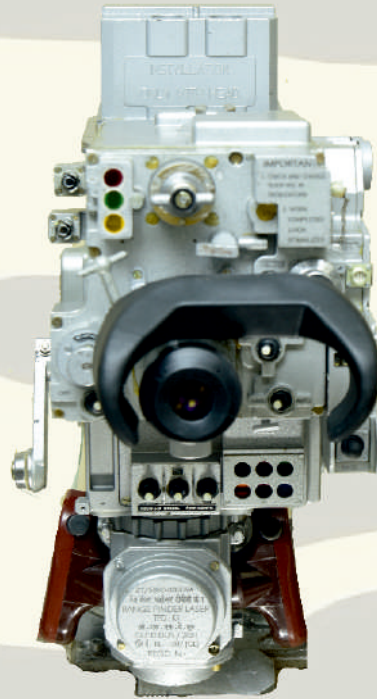


Thermal Imaging Sight "TI-ESSA"



Driver Night Sight TVNE-4B M2

T-72 Sights (AJEYA)



Gunner's Sight TPD-KI



Driver Night Sight TVNE-4B MI



Commander's Sight TKN-3



Commander Thermal Imager Cum Day Sight MK-II

T-72 Sights (AJEYA)



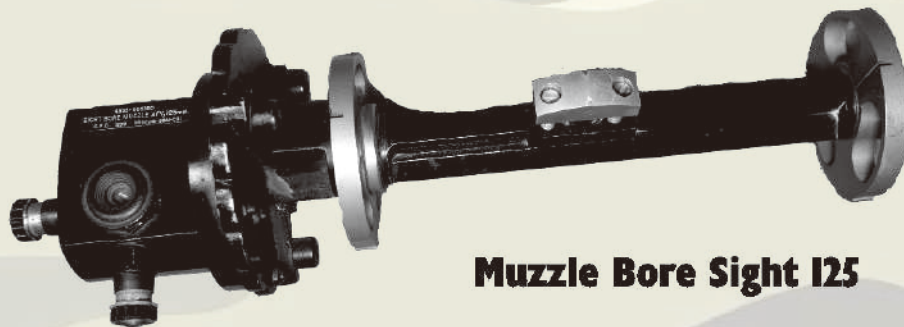
Driver Night Sight



Driver Night Sight TVNE-IPA

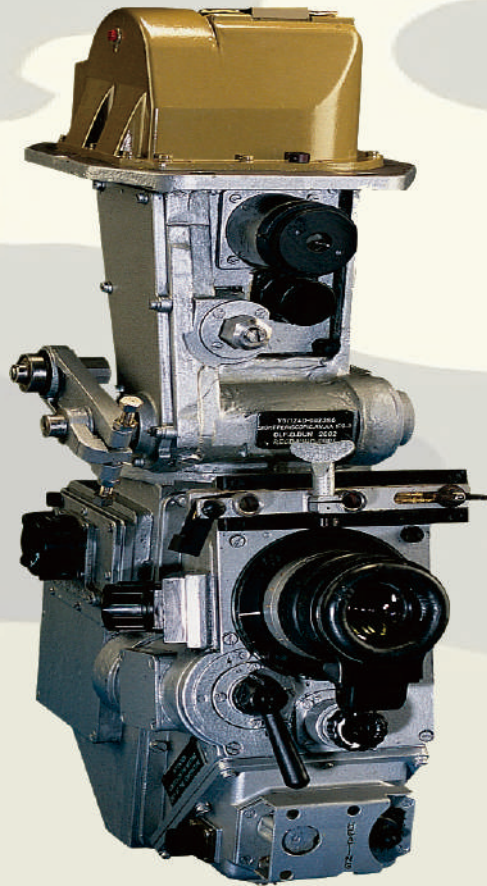


Commander's Sight TKN-3B

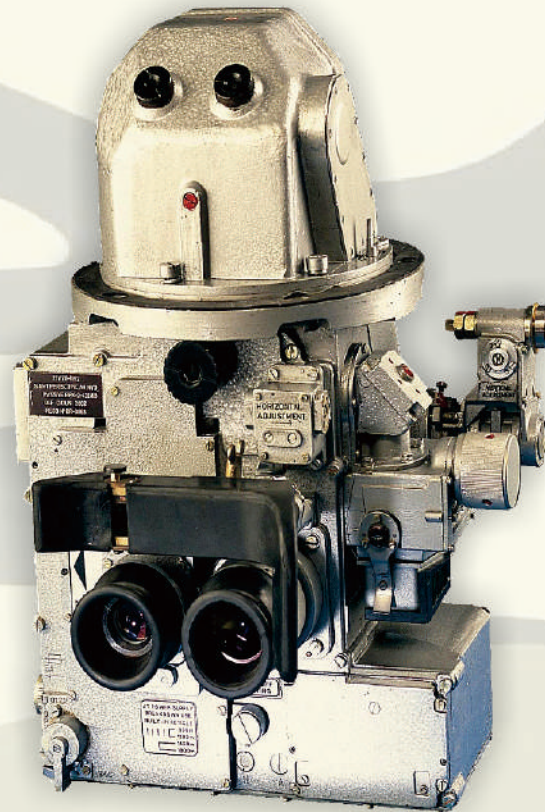


Muzzle Bore Sight I25

**BMP-II/ICV
Sights
(SARATH)**



Anti Aircraft Sight IP3-3



Gunner's Sight BPK-2-42



Missile Sight 9SH-II9MI



**Night Sight (Thermal Imager) 84 mm
Carl Gustav RCL**



Telescope Sighting 5.56MM LMG(INSAS)



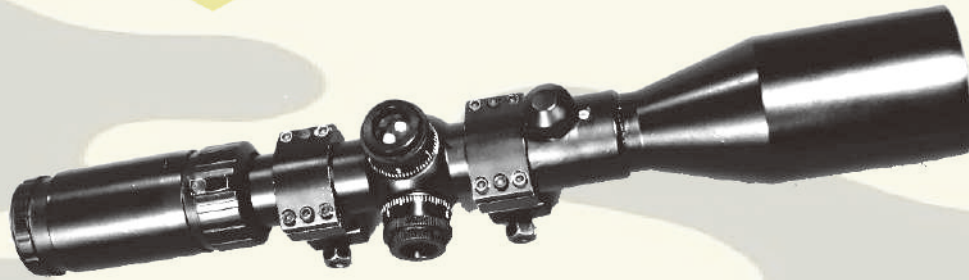
Telescope Sighting 5.56MM RIFLE(INSAS)



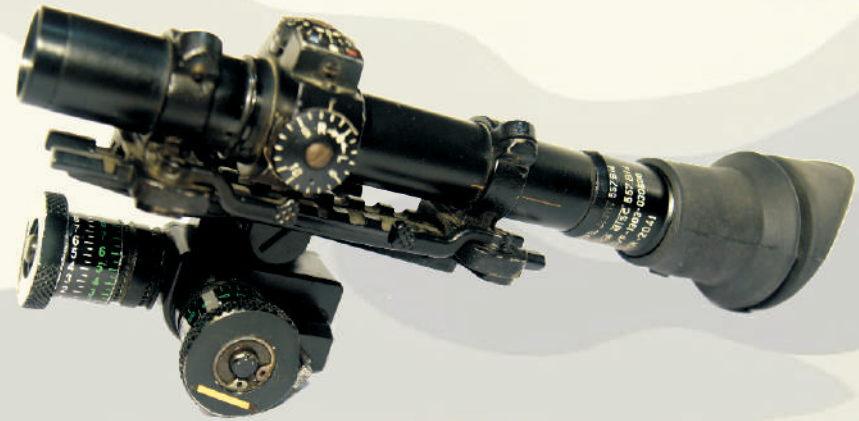
PNS 5.56 mm for LMG



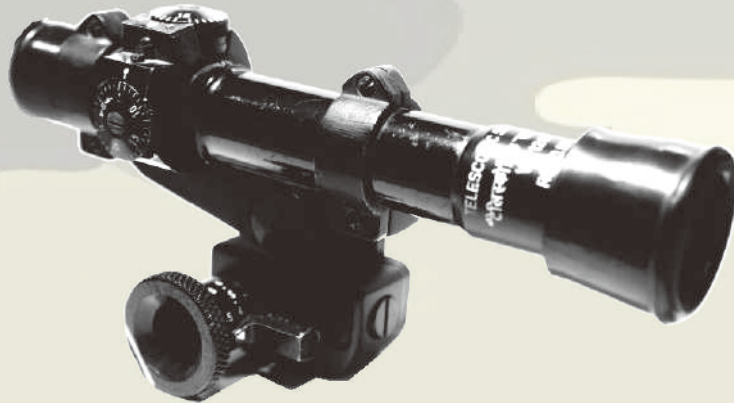
Infantry Weapon Sights



Zoom Telescope



Telescopic Sight CGRL MK-III



Telescopic Sight CGRL MK-I



Telescope Sight for Anti-Material Rifle

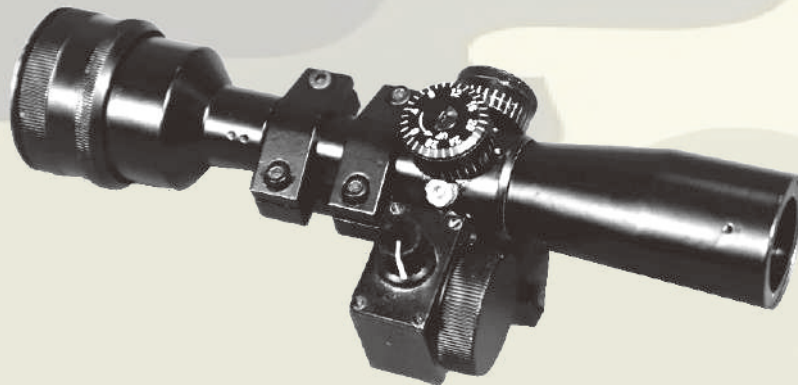
Infantry Weapon Sights



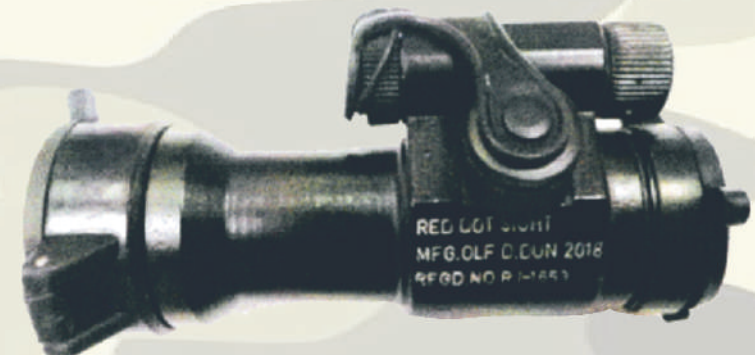
MOD.PNS for 5.56 MM RIFLE (INSAS)



MOD. PNSI2.7AD GUN



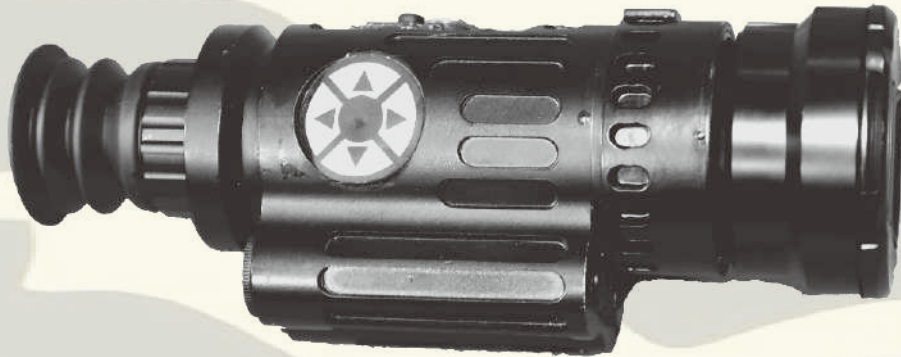
Day Sight Telescope for 7.62X51 mm Assault Rifle(4X)



Red Dot Sight



Surveillance Sights



Hand Held Thermal Imager



Passive Night Vision Monocular



HR Binocular 8x30



Binocular Drishiti 12X50



Light Weight Passive Night Vision Binocular



Long Range Thermal Imaging Sight

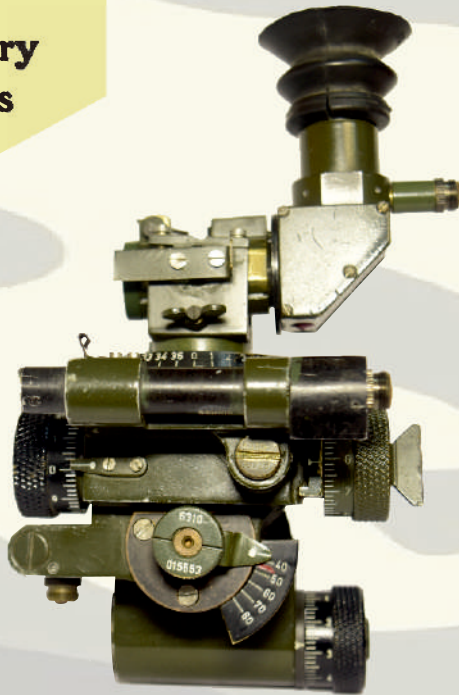


Mini Uncooled Sight



Passive Night Vision Goggle

Artillery Sights



Sight Unit Cased I02B



Sight Dial I04A



Director Fire Control No. 7



Back-up Sights for Dhanush Artillery Gun

Periscopes



TNPA-65A



TNPO-168B



Periscopes



TNP-165A



SE-15

Cable Harnesses



3KV Plug And Socket Moulded Cable



Jelly Filled Cables



Wires & Cables

Carrier Quad Cable



Anti Personal Mine Cable



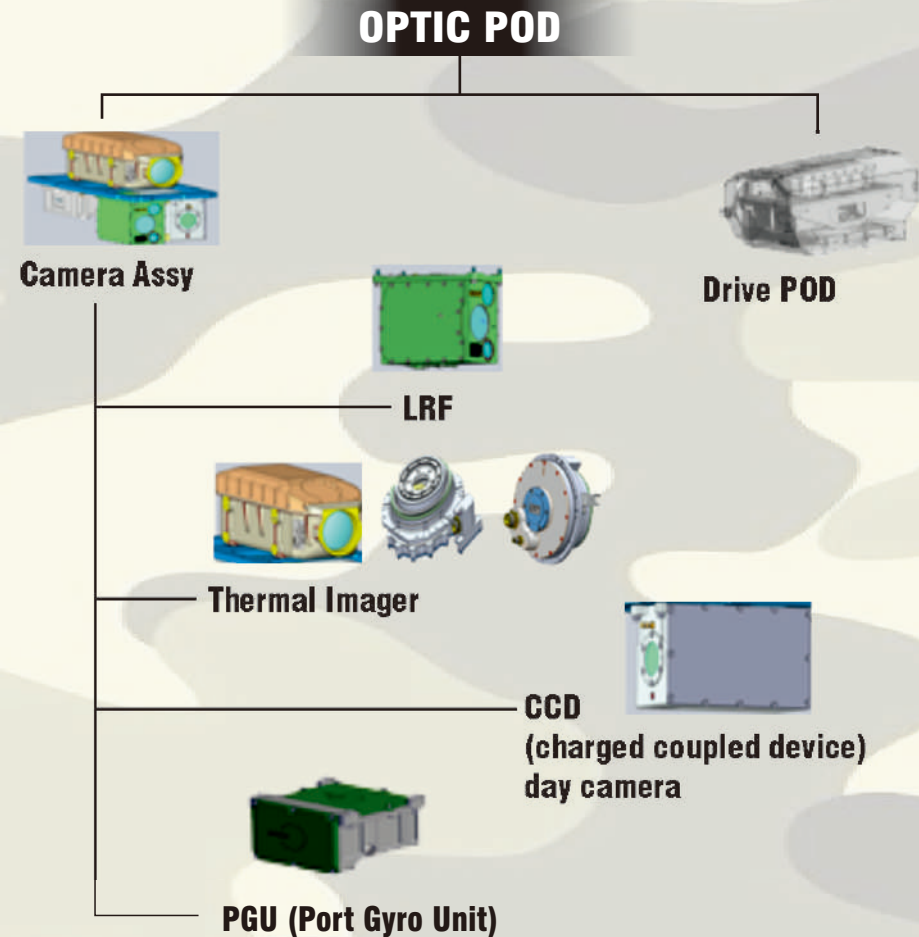
Cable JWD-I



Stabilized Remote Controlled Gun



OPTIC POD SIGHT UNIT





RESEARCH & DEVELOPMENT

- Research & Development (R&D) is IOL's prime priority and focused attention is given to core technology areas like Electro Optics, Communications, Cables & Cable Harnesses, Infantry Weapon & Surveillance Sights etc.
- IOL has three fully dedicated R&D centers spread across Dehradun & Chandigarh known by the name of Ordnance Development Center (ODC), which design & development products and associated technologies in their respective business segment.
- IOL has close interaction with other design & development agencies like IRDE (DRDO), CSIR, and leading academic institutions like IITs, IISc and NITs as well as Indian multinational companies for joint development of technology and product upgradation .
- IOL technological leadership has envisaged over 70% of the turnover from indigenous products.

SMART INFRASTRUCTURE

*Manufacturing facilities
at Dehradun & Chandigarh
which employ more than 3000 people.*

*Modern plant and
machinery including
clean rooms, electronic and
optics manufacturing setup
testing and assembly infrastructure.*



IOL NETWORK



**INDIA OPTEL LIMITED HEAD QUARTERS
DEHRADUN**



**ORDNANCE FACTORY INSTITUTE OF LEARNING
DEHRADUN**



**ORDNANCE FACTORY
DEHRADUN**



**ORDNANCE FACTORY
CHANDIGARH**



**OPTO ELECTRONICS FACTORY
DEHRADUN**



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