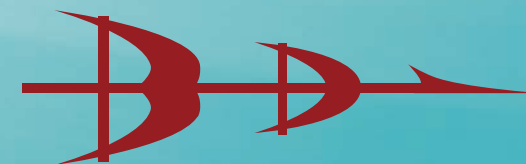


Celebrating 75 years of Independence

*Azadi Ka Amrit
Mahotsav*

*BDL - A Journey towards
Atmanirbharta*



भारत डायनामिक्स लिमिटेड
BHARAT DYNAMICS LIMITED



शांति का आधार अस्त्र-बल
THE FORCE BEHIND PEACE

भारत डायनामिक्स लिमिटेड

BHARAT DYNAMICS LIMITED

(भारत सरकार का उपक्रम, रक्षा मंत्रालय A Govt. of India Enterprise, Ministry of Defence)

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Corporate Office:

Plot No. 38-39, TSFC Building, (Near ICICI Towers) Financial District,
Gachibowli, Hyderabad, Telangana, India - 500032

<http://www.bdl-india.in>

राज कुमार

सचिव

Raj Kumar

Secretary



सत्यमेव जयते



MESSAGE

भारत सरकार / Government of India
रक्षा उत्पादन विभाग / Deptt. of Defence Production
रक्षा मंत्रालय / Ministry of Defence
नई दिल्ली - 110 011 / New Delhi - 110 011
Tel. : 23012527 (O) Fax : 23012300

I am happy to know that BDL is bringing out an E-Coffee Table Book titled, **“BDL – a journey towards Atmanirbharta”**, as a part of Azadi ka Amrut Mahotsav being observed by Government of India to commemorate 75 years of India's independence.

BDL is an institution of strategic importance. Its role in strengthening the Armed Forces of our country has been exemplary. Starting with manufacture of an ATGM and progressively expanding into all types of Missiles and underwater weapons under 'Make in India', with focus on indigenization, BDL has come a long way by taking several initiatives towards realization of Atmanirbharta in Defence Sector. I am confident that the Company will achieve greater heights and become a global player in the Defence sector.

I am sure the E-Book being brought out will provide an interesting insight to the readers about BDL and its glorious journey over the decades.

Jai Hind!

(Raj Kumar)

Place : New Delhi
Date : 30th March, 2021

Foreword



Azadi Ka Amrut Mahotsav, as we are aware, is being organized throughout the country to commemorate the 75th Anniversary of India's independence. The Mahotsav gives us an opportunity to cherish the seminal moments of India's freedom struggle, at the same time, recalling the innumerable sacrifices made by the great sons of our motherland.

Since its independence, India has seen many challenges, which have been met successfully. Notwithstanding this, there are fewer challenges which our nation is facing as a result of changes in our environment. One such challenge is dependence on foreign countries.

To address this issue, the Hon'ble Prime Minister of India has given a clarion call to build Atmanirbhar Bharat. Bharat Dynamics Limited (BDL), in response to this, has taken several measures for realization of Atmanirbharta in Defence sector.

The E-Book launched, as a part of '**Azadi Ka Amrut Mahotsav**', is an attempt to showcase BDL's capabilities and efforts being made by the Company for building a resurgent Atmanirbhar Bharat.

BDL will continue to work relentlessly towards realization of Atmanirbhar Bharat in the Defence sector. The company is undertaking a paradigm shift in its manufacturing processes to offer ultra-modern products to the armed forces. Adoption of practices like industry 4.0, leveraging niche technology and offering AI enabled products to its customers are few among many things, which BDL is looking into, for realization of Atmanirbhar Bharat. BDL has also taken up initiatives to be a part of global supply chain by entering into MoUs/agreements with foreign OEMs.

BDL stands committed to meet the requirement of our armed forces and contribute for building a resurgent Atmanirbhar Bharat in Defence sector.

Jai Hind !

Cmde Siddharth Mishra (Retd)
Chairman & Managing Director

VISION

To be a world-class enterprise producing international standard quality products for the Defence industry.

MISSION

To establish itself as a leading manufacturer in the aerospace and underwater weapons industry and emerge as a world class sophisticated, state-of-the-art, global enterprise, providing solutions to the security system needs of the country.

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The Dynamic Decades of BHARAT DYNAMICS LIMITED

The making of a Defence giant

Incorporated in the year 1970 as a Government of India undertaking, Bharat Dynamics Limited (BDL) has a proud history of serving the defence requirements of our nation. Starting its journey as the manufacturer of a single product, with a single customer from a hired building, BDL today has grown as a multi-product, multi-customer, multi-located enterprise. It is among the few industries in the world with state-of-the-art manufacturing facilities for the following:

- o Guided Missiles Weapon System and associated equipment
- o Underwater Weapons (Torpedoes, Decoys and Decoy Launchers etc.)
- o Airborne Products (Counter Measures Dispensing Systems)
- o Ground Support Equipment
- o Product Life Cycle Support
- o Refurbishment / Life Extension of Missiles

BDL's journey is marked with a series of changes, innovations, partnerships and achievements that have helped the company grow consistently across decades.

How it all began

On the 2nd of March, 1970, the Government of India entered into an agreement with M/s Aerospatiale, France for the manufacture of the Anti-Tank Guided Missile, the SS11B1. This collaboration paved the way for the incorporation of the Company as Bharat Dynamics Limited, and commenced the production of first-generation ATGM in 1971. Right from its inception, the Company's endeavour was to achieve maximum indigenisation for its products. Keeping this in view, a Development Division was set up to identify suitable indigenous substitutes and test them for reliability before acceptance. This marked the beginning of the company's endeavour towards self-reliance.

A firm step in the right direction

On 1st June 1981, BDL shifted its production activities from rented premises to its new factory site in Kanchanbagh, Hyderabad. The direction taken by the Nation to develop and manufacture indigenous missiles through the Integrated Guided Missile Development Programme (IGMDP) in the year 1985, gave BDL an opportunity to grow further as it was closely involved in the programme. BDL was soon identified as the Prime Production Agency for missiles. This opened up a plethora of opportunities to assimilate advanced manufacturing and programme management technologies and skills. Another milestone of the Company was the commencement of 2nd Generation Anti-Tank Guided Missiles, the MILAN - 2. BDL was upgraded to a Schedule "C" company in 1986.

BDL received the Government sanction for setting up its second unit for manufacturing a new ATGM, the Konkurs Anti-Tank Guided Missile at Bhanur village of Medak District. The foundation stone for the second unit was laid by Hon'ble Raksha Mantri Shri K C Pant.

Foundation for Innovation

As a part of the IGMDP, the Company received clearance for a limited series production of 'Prithvi' and 'Trishul' Missile systems. BDL also received orders for small arms (Pistols & Rifles) from the Ministry of Home Affairs. The in-house R&D Division came out with an innovative product, the FLAME (Fagot Launcher Adapted to Milan Equipment), an improvised ATGM launcher, which underwent successful user trials by the Indian Army. FLAME was not only cost-effective but also was suitable for firing both FAGOT and MILAN Missiles. This gave a lot of impetus to the efforts put in by the in-house R&D team. BDL received orders for FLAME from various agencies.

BDL was upgraded to a Schedule "B" company in the year 2000, which gave the Company more operational autonomy. An in-house training centre was established and the introduction of Advanced Information Technology Systems took place rapidly across the organisation. While growing, BDL received several awards, accreditations and ISO certifications that validated the skills and knowledge of its employees to deliver world-class products.

Shifting the gears of change

The new millennium saw BDL being categorised as a Miniratna-1 company. New products like Konkurs-M and Torpedo were added to the company's list of world-class defence equipment. BDL was also nominated as the Prime Production Agency for MANPADS, manufacture of Decoy C303 and the refurbishment of vintage missiles, which included air-launched missiles available with the Indian

Armed Forces. During this time, BDL signed the single largest ever contract with the Ministry of Defence for supply and manufacture of Akash Weapon System, developed by the DRDO. Subsequently, the Akash missiles were inducted into the Indian Army in 2015.

Growing and Evolving

To cater to the growing demands of the Indian Navy, a dedicated manufacturing unit has been set up at Visakhapatnam in Andhra Pradesh to manufacture underwater weapons. The Long Range Surface-to-Air Missile, designed and developed by DRDO under collaboration with IAI, Israel was integrated by BDL and was handed over to the Indian Navy. The Company implemented ERP on the SAP platform throughout the organisation. All the three manufacturing units of BDL (located at Kanchanbagh, Bhanur and Visakhapatnam) were given the ISO 14001:2015 Environment Management Systems Certification. Akash, MILAN and Electronics Divisions, and Bhanur Unit have also been certified to the AS9100D Aerospace Defence Standard.

Aligning with the demands of tomorrow

Looking forward, the Company's thrust will be on in-house R&D and exports in the years to come. Accordingly, the required infrastructure has been upgraded. Qualified engineers have been recruited from premier educational institutes across the

country to work in the core areas of R&D. BDL has been working on the development of third generation ATGMs, both for moving and stationary land targets. In this direction, BDL has successfully test fired its first indigenously developed Anti-Tank Guided Missile and Wireless Anti-Tank Missile with RF Guidance.

A dedicated marketing office has been set up in New Delhi to accelerate the marketing efforts to promote the Company's products and services in the national and international market. BDL has also expanded its footprints in the international market by bagging an export order for Light Weight Torpedoes.

BDL became a listed Company by making its debut in Bombay Stock Exchange and National Stock Exchange on 23th March, 2018.

Being the Prime Production Agency and the only company in the country currently manufacturing missiles, BDL has been identified as the Production Agency for QR SAM, VSHORADS and other new requirements of the Indian Armed Forces. BDL is setting up two more manufacturing units, one at Ibrahimpatnam, near Hyderabad and another at Amravati in Maharashtra to meet the future requirements of the programme.

BDL has adapted itself to the new realities and market dynamics with speed, agility and constant innovation. The road ahead promises to be one of dynamism, accelerated growth and becoming one of the major defence manufacturing companies in the world.

The Nascent Years

GENESIS OF THE COMPANY

Till the late 60's, India was meeting all her requirements of missiles from imports. Around this time, an imperative need was felt to manufacture these missiles indegenously by establishing a production base.

And thus was born

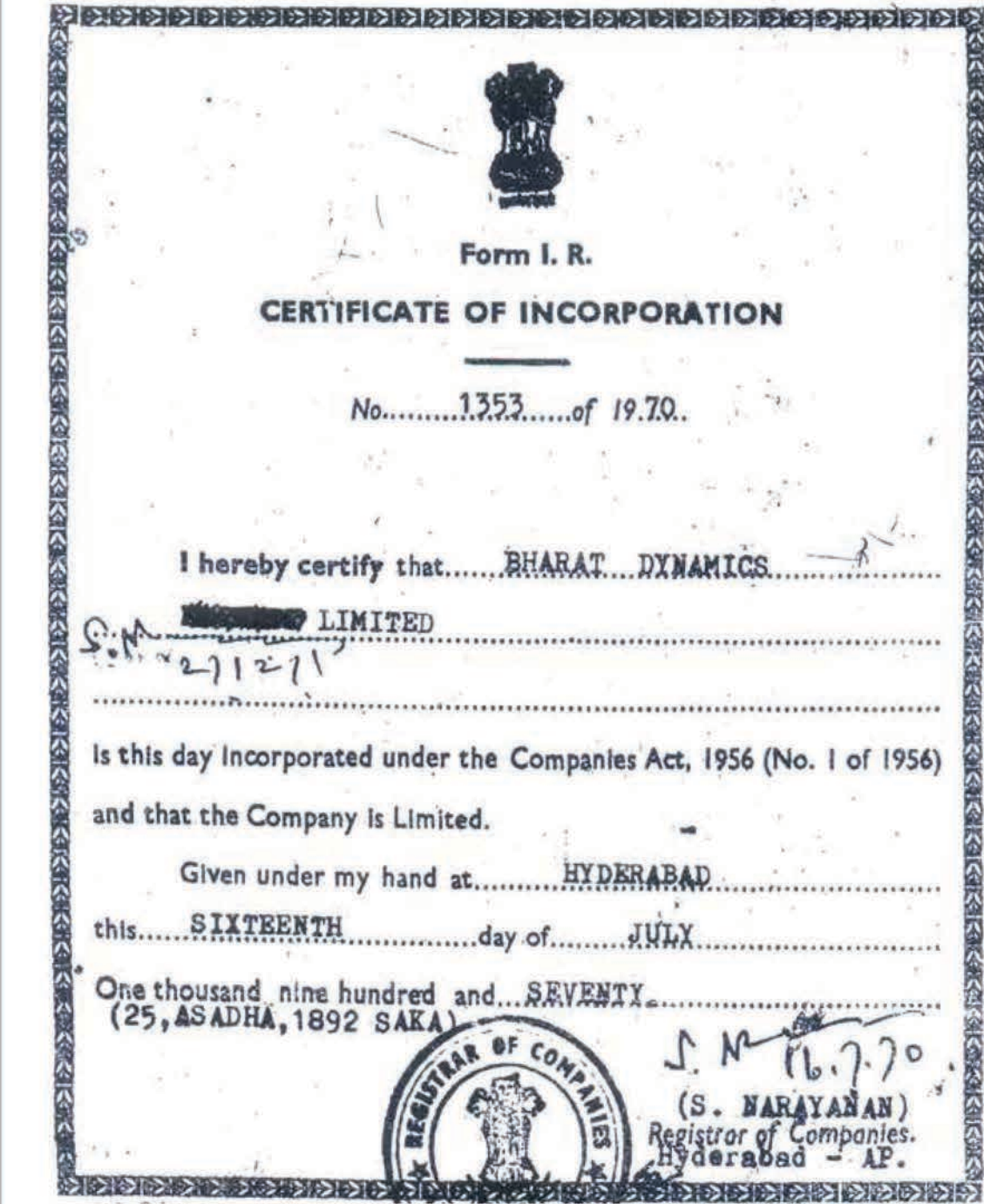
Bharat Dynamics Limited (BDL)
in the year 1970.

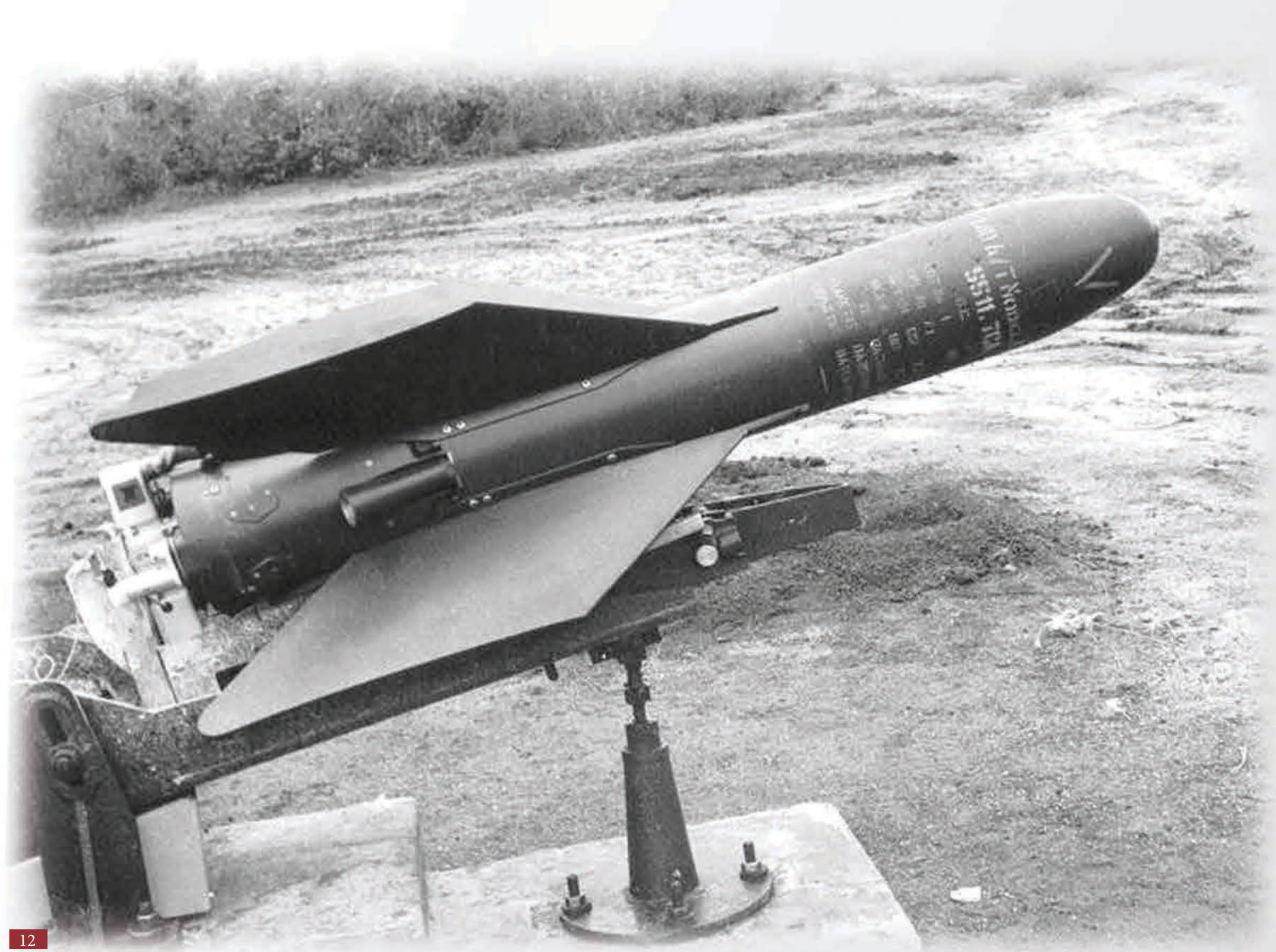


“The name, Bharat Dynamics Limited, was chosen by Babu Jagjivan Ram, Hon’ble Defence Minister, Government of India out of two names viz., Hindustan Dynamics Limited and Bharat Dynamics Limited, that were forged out to name the company.”

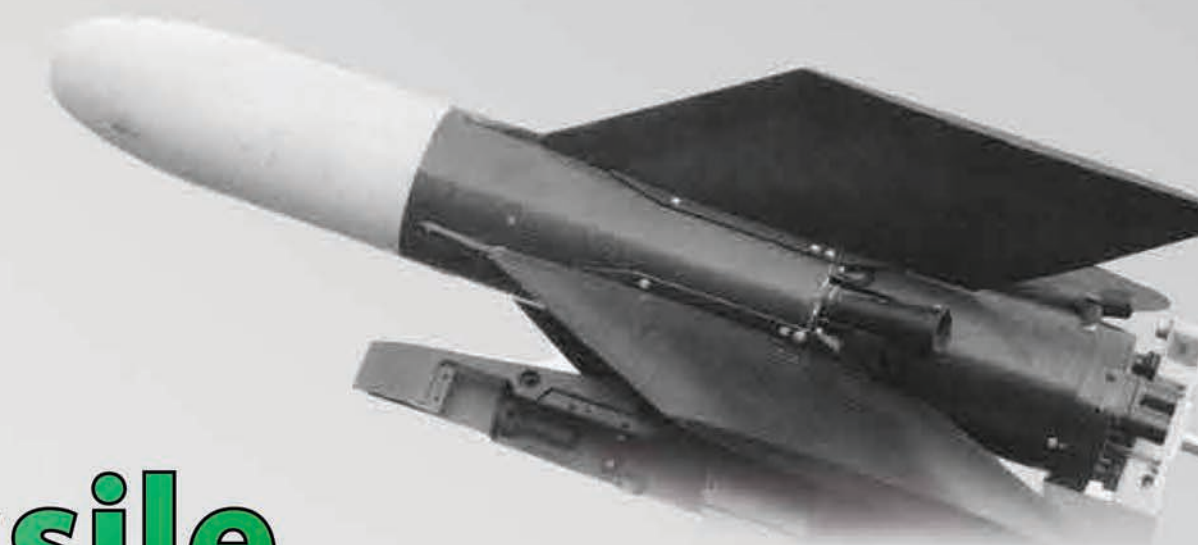
Brig J P Anthony (Retd)
Managing Director, BDL
(11th April, 1974 to 31st Aug, 1977)

The Company was registered by the name **BHARAT DYNAMICS LIMITED** on 16th July, 1970. Subsequently, the present logo, in dark maroon colour, came into existence with the tag line ‘The Force Behind Peace’.





SS11B1 – The First Missile Manufactured in India



Soon after the incorporation of BDL, the company was given the responsibility to manufacture and deliver SS11B1 Anti-Tank Guided Missiles (ATGM) to the Indian Army.

The missile was manufactured by BDL under a comprehensive license agreement dated 2nd March, 1970 between the Government of India and M/s. Aerospatiale (Nord Aviation) of France.

BDL's production of SS11B1 ATGM within a year of its inception marked the first step in the company's saga of technological achievements.

With this, BDL had taken the Nation a generation ahead of many other countries.

The production of first missile on the Indian soil, the SS11B1, started during the year 1971 at BDL.



SS11B1 Missile Firing from a helicopter on 28th October, 1975.

Prof. M.G.K. Menon, Chairman, BDL, Brig J.P. Anthony (Retd), Managing Director, BDL and others at the site.

The first order was placed by the Indian Army for supply of SS11B1 Missile during the year 1970-71. The production commenced during July, 1971.



Officers of the Indian Air Force during their visit to the SS11B1 production facility at BDL, Sanathnagar on 16th July, 1977. Customer visits are one of the most cherished activities at BDL.



Hindi Workshop in progress.



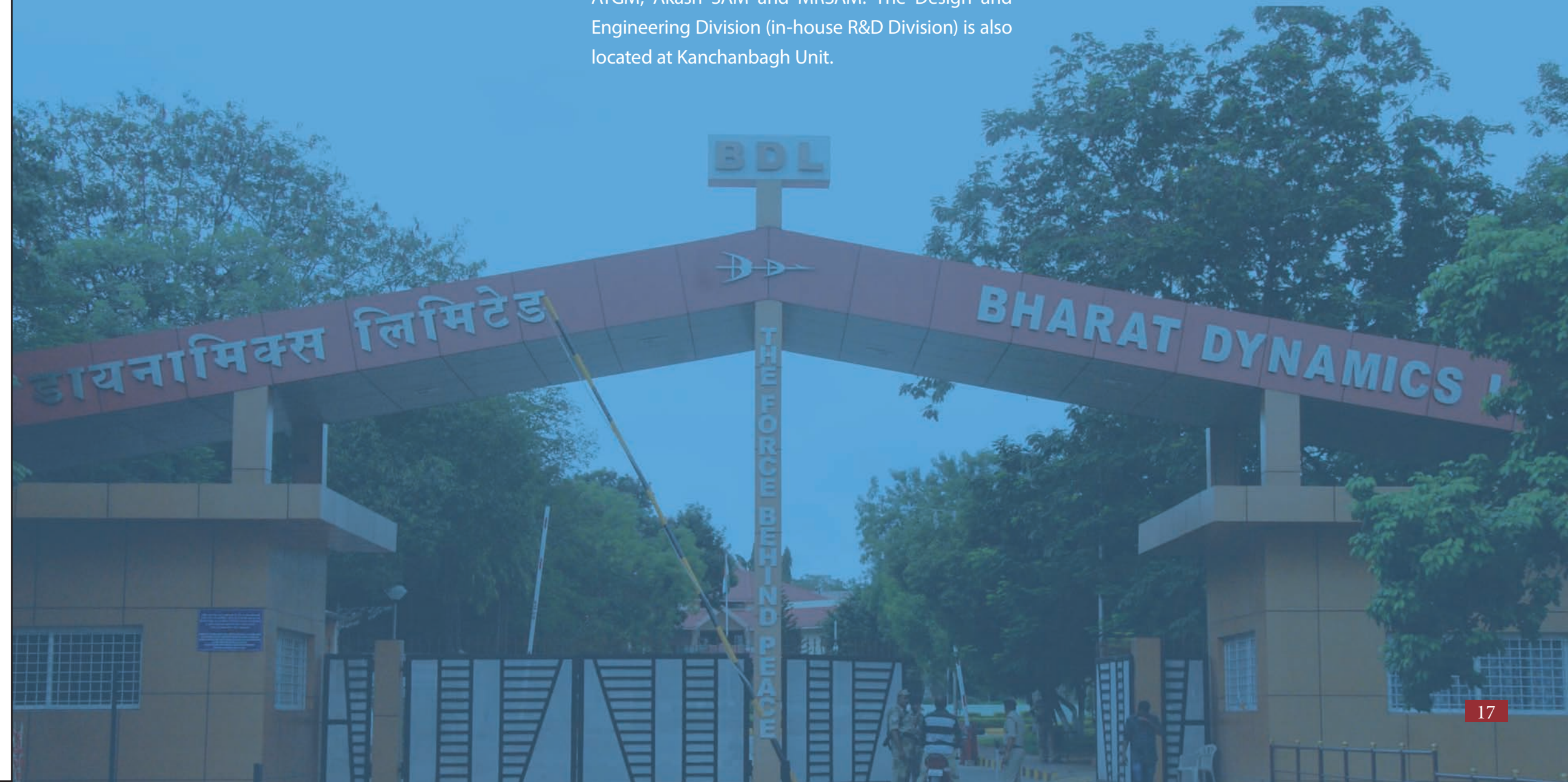
Former Chief of the Air Staff during his visit.



Former Chief of the Army Staff during his visit.

KANCHANBAGH UNIT

BDL moved its production base and Corporate office from temporary hired buildings at Sanathnagar to a permanent location at Kanchanbagh in the year 1981. Spread over an area of about 350 acres, the unit has state-of-the-art facilities for manufacturing MILAN ATGM, Akash SAM and MRSAM. The Design and Engineering Division (in-house R&D Division) is also located at Kanchanbagh Unit.





A view of the Corporate Office, which was co-located with manufacturing facilities at Kanchanbagh unit till Nov, 2017.



Bhoomi Pooja for the construction of Factory Buildings at Kanchanbagh being performed by Wg Cdr V.M. Chitale (Retd), MD, BDL on 27th November, 1978.



Republic Day Celebrations.



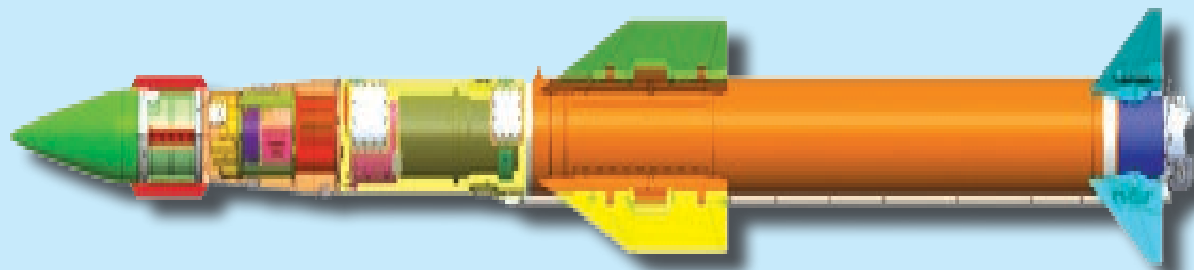
*Corporate office building under construction at Kanchanbagh site.
The company started working from Kanchanbagh unit from the year 1981.*



Canteen facility for the employees.



AKASH is a medium range surface to air missile system having a range of 25 km and designed for Air Defence of Vulnerable Areas/points. A troop of AWS consists of a Long Range Surveillance Radar, a Target and Missile Tracking Radar, Troop Control Centre and Launchers



Quick Reaction Surface to Air Missile System (QRSAM) is a Short Range Surface to Air Missile system designed to protect moving armoured columns from aerial attacks. The entire weapon system is configured on highly mobile platforms and is capable of providing air defence on the move.



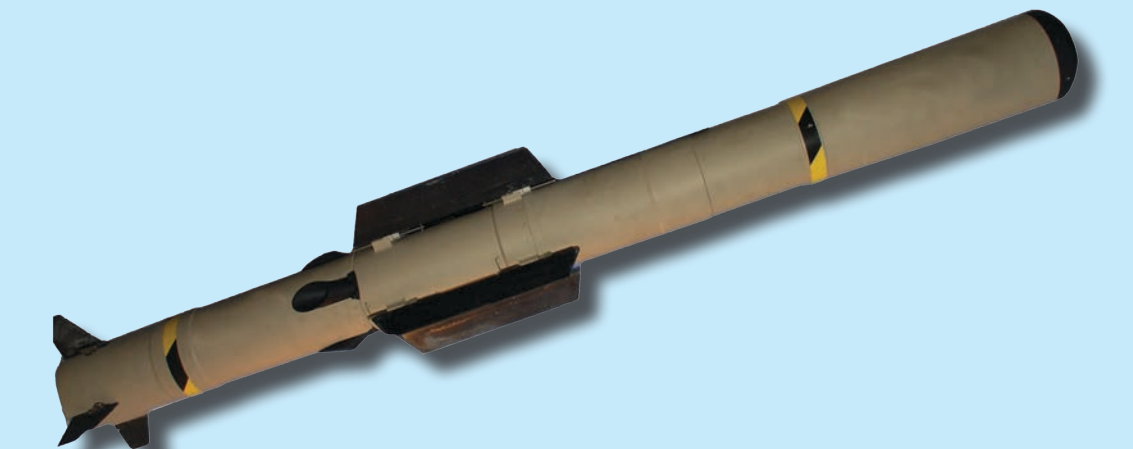
MEDIUM RANGE SURFACE - TO - AIR MISSILE (MRSAM) is a high response, quick reaction, vertically launched supersonic missile, designed to neutralize enemy aerial threats – missiles, aircraft, guided bombs, helicopters. Used by Army, Navy and Air Force as different variants.



PRITHVI is a 350 Km range Surface-to-Surface Missile, designed and developed by DRDO and indigenously manufactured by BDL.



MILAN - 2T is a man portable (Infantry) second generation ATGM, to destroy Tanks fitted with Explosive Reactive Armour, moving and stationary targets.



NAG is a third generation (Fire and Forget) mechanized infantry ATGM, to destroy armored vehicle equipped with Explosive Reactive Armour, moving and stationary targets.

In-house developed products



FLAME or Fagot Launcher Adapted to Milan Equipment an indigenously modified cost-effective launcher for firing Milan - 2T ATGM.



Amogha-III is a third generation fire-and-forget Anti-Tank Guided Missile designed and developed by the in - house R&D Division of BDL.



COUNTER MEASURES DISPENSING SYSTEM (CMDs) is a state of the art Flare and Chaff Dispensing System. CMDs is an airborne defensive system providing self-protection to the aircraft against Radar guided & IR seeking missiles by dispensing Chaffs and Flares.

KONKURS LAUNCHER TEST EQUIPMENT



KONKURS LAUNCHER TEST EQUIPMENT is designed and developed for checking the serviceability of Konkurs – M Missile Launchers.

KONKURS MISSILE TEST EQUIPMENT



Konkurs Missile Test Equipment is designed for checking the serviceability of Konkurs - M Anti-Tank Guided Missiles.

Manufacturing Facilities (Kanchanbagh Unit)



WILLEM 6-AXIS CNC MACHINE



SMT Line



Environmental (Thermal) Test Chambers



CNC TURNING CENTRE

BHANUR UNIT

The second manufacturing unit of the company is located at Bhanur in Telangana State. Spread over an area of about 1000 acres, the unit has state-of-the-art facilities for the manufacture of Konkurs-M and Invar Missiles being produced under license agreement with erstwhile USSR. Facilities are being established for the production of MP ATGM and Astra. The unit has well-developed township, school, hospital and a stadium for welfare of employees working in the unit.



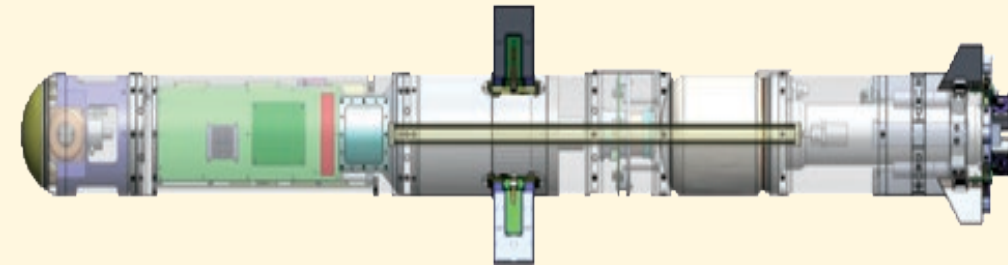


Laying of the foundation stone for BDL, Bhanur Unit by Shri K.C. Pant, Hon'ble Defence Minister on 23rd Aug, 1987.





INVAR is a 2nd plus generation mechanised infantry ATGM fired from the gun barrel of T90 tank wvto destroy armoured vehicles equipped with Explosive Reactive Armour panel.



Man Portable Anti - Tank Guided Missile or M PATGM is for infantry and Parachute (Special Forces) of the Indian Army. It is 'Soft' launched from a canister using an Ejection Motor. It uses a state-of-the-art IIR seeker for homing on to the target.



KONKURS - M is a Second Generation, mechanized infantry ATGM, to destroy armored vehicle equipped with Explosive Reactive Armour, moving and stationary targets.



ASTRA is an indigenously developed Air - to - Air Beyond Visual Range missile comprising of Astra Missile and Launcher.

Products

Manufacturing Facilities (Bhanur Unit)



PLC Based Automated Plating Lines



3D Coordinate Measuring Machine



Wirepool Assembly



Environmental Chambers

VISAKHAPATNAM UNIT

The third manufacturing unit of BDL is located at Visakhapatnam. Spread over an area of about 10 acres, the unit has been set up exclusively for the manufacture of underwater weapons. Apart from the Admin building, the unit has an integration building, acoustic tank, technical services, security building, CISF barracks and a natural pond.



Unveiling of Foundation stone for BDL, Visakhapatnam Unit by
Shri M.M. Pallam Raju, Hon'ble Minister of State for Defence on 27th Sep, 2010.



A view of the main building of Visakhapatnam Unit.

Products



LIGHT WEIGHT TORPEDO is a state-of - art underwater weapon which can be launched from a ship and/or a Helicopter.



VARUNASTRA is an advanced state-of-the-art, ship launched heavy weight, anti-submarine Torpedo capable of targeting submarines operating in shallow / deep waters.

Products



SUBMARINE FIRED DECOY acts as a preferred target in presence of own submarine to a passive or active homing torpedo.



C-303 ANTI-TORPEDO DECOY SYSTEM is meant to counter the threat posed to any submarine by an active or passive homing torpedo.

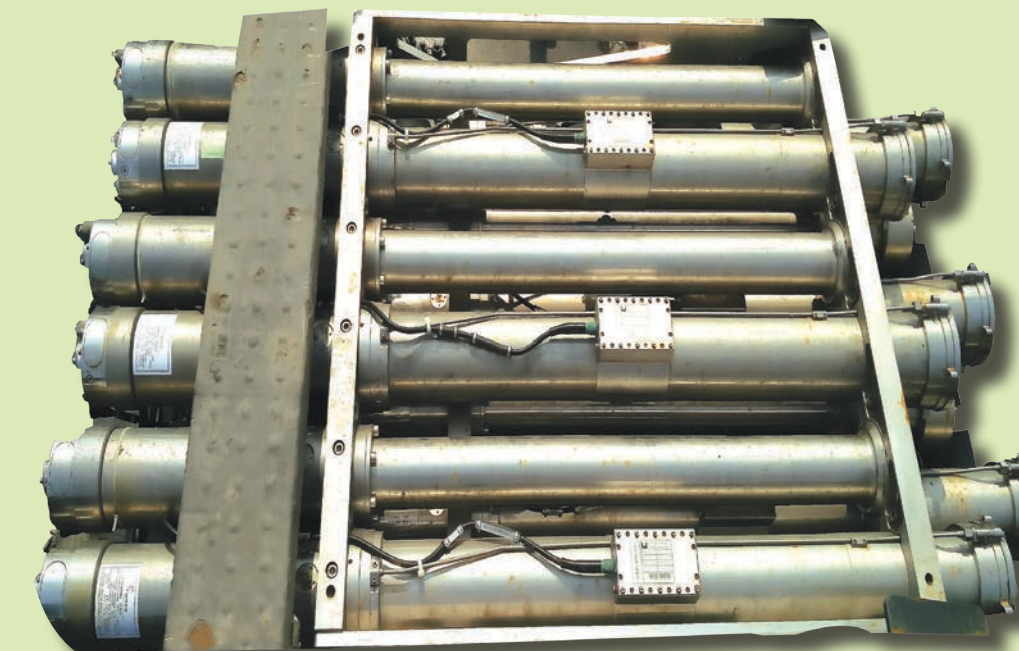
Products



DISHANI is a directional Sonobuoy and an expendable air-deployed ASW sensor system in a compact, self-contained package comprising of acoustic sensors, electronics, and mechanical assemblies and parachute.



MULTI - INFLUENTIAL GROUND MINE (MIGM) is equipped with multiple sensors for recording of influences like Acoustic, Magnetic, Pressure, UEP/ELFE signatures as generated by Marine vessels.



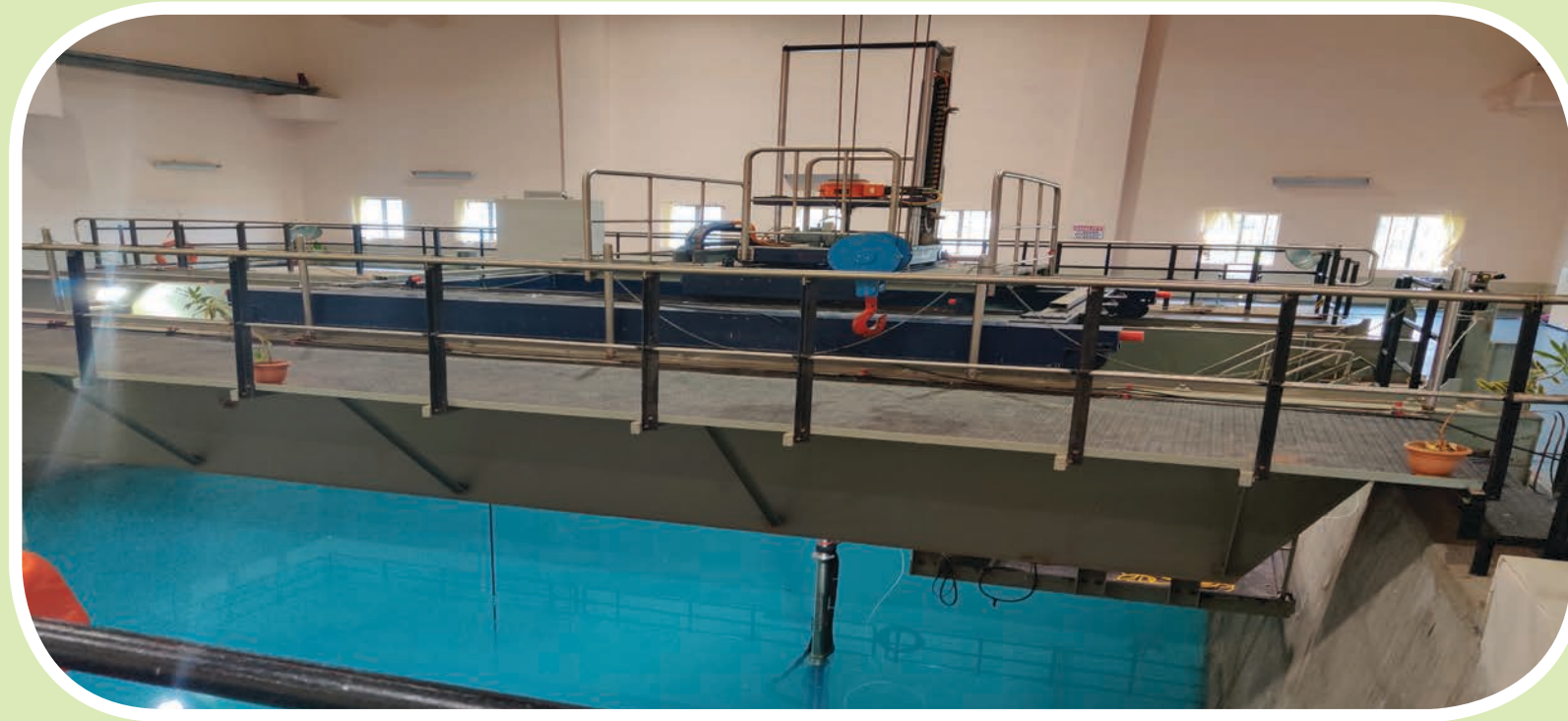
C – 303S Anti-Torpedo Decoy Launching System is meant to counter the threat posed by any active and/or passive homing Torpedo.

Manufacturing Facilities (Vishakapatnam Unit)



*A view of the
Assembly Line*

Acoustic Tank Facility





Handing over of 10,000th missile, manufactured by BDL, by Air Cmde R. Gopalswami, AVSM, VSM (Retd), CMD, BDL to the Indian Army.



Hon' ble Chief Minister of Andhra Pradesh Shri N. Kiran Kumar Reddy laying the foundation stone for BDL's unit at Ibrahimpattam (near Hyderabad) on 18th March, 2012.



Hon'ble President of India, Her Excellency Smt Pratibha Devisingh Patil unveiling the foundation stone for BDL's unit at Nandgaon Peth in Amravati District, Maharashtra on 11th Dec, 2011.



Signing of the single largest-ever Defence contract for the production of Akash SAM with the Indian Army.



Dedication of 'Akash Weapon System' to Indian Army by BDL on 5th May, 2015. Shri V. Udaya Bhaskar, CMD, BDL, handing over the "symbolic key" of AWS to Chief of Army Staff General Dalbir Singh.



Handing over of LRSAM to Indian Navy by CMD, BDL on 27th August, 2017.



First indigenous LWT-XP being handed over to a friendly country by CMD, BDL.



Varunastra, the Heavy Weight Torpedo manufactured by BDL was handed over to the Indian Navy by Hon'ble Raksha Mantri during Defexpo – 2020.



Handing over of Medium Range Surface to Air Missile to the Indian Air Force by Hon'ble Raksha Mantri on 3 Aug 2019.



Dr G. Satheesh Reddy, Secretary, Department of Defence R&D and Chairman, DRDO flagging off the first Varunastra, the Heavy Weight Torpedo, being delivered to the Indian Navy, at BDL, Visakhapatnam Unit on 21 Nov 2020.



Handing over of Astra Weapon system by Hon'ble Raksha Mantri Shri Rajnath Singh to Chief of Air Staff Air Chief Marshal Rakesh Kumar Singh Bhadauria PVSM AVSM VM ADC on 18 Dec 2020 .





Silver Jubilee Celebrations of BDL on 16th July, 1995. Dr. A.P.J. Abdul Kalam and Shri V.K. Kapoor, Secretary (Defence Production) during the celebrations.



Inauguration of Institute for Systems and Technology Management (ISTM) by Shri V.K. Kapoor, Secretary (Defence Production) on 18th Nov, 1993.



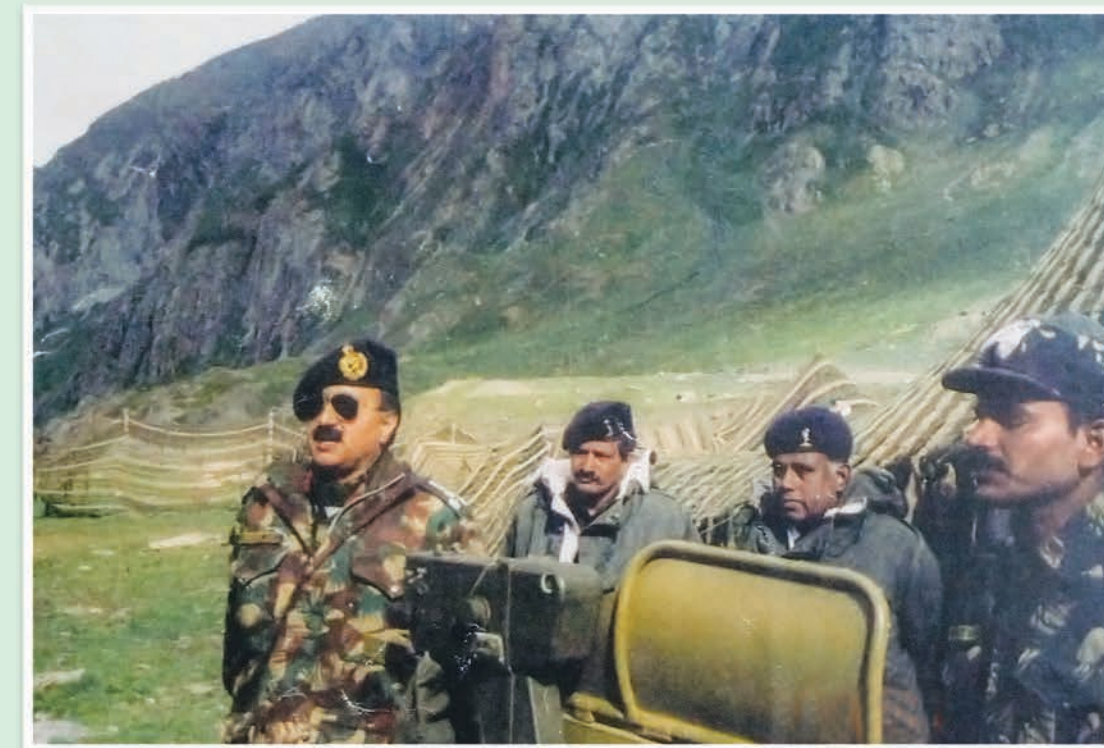
Gen S. Roy Choudhary, PVSM, ADC, Chief of the Army Staff and Dr. A.P.J. Abdul Kalam along with other DRDO scientists at Prithvi manufacturing facility at Kanchanbagh Unit, Hyderabad.



Air Chief Marshal S.K. Sareen, PVS, AVSM, VM, ADC, Chief of the Air Staff during his visit to BDL.



Admiral Sunil Lanba, Chief of the Naval Staff accompanied by Dr G. Satheesh Reddy, Scientific Advisor to Defence Minister and Director General, Missiles and Strategic Systems during his visit to BDL on 15th December, 2017.



BDL team was deputed to Forward Areas to assist the Indian Army during "OP VIJAY" from 5th to 26th June, 1999 and "OP PARAKRAM" during 15th to 25th April, 2002.





Hon'ble President of India, Her Excellency Smt Pratibha Devisingh Patil during her visit to BDL on 05th July, 2011.



BDL became a listed Company with its debut in Bombay Stock Exchange and National Stock Exchange on 23rd March, 2018.



Ground Breaking Ceremony at BDL, Ibrahimpatnam Unit for Phase II Facilities
Creation by Shri Arun Jaitley, Hon'ble Defence Minister on 27th August, 2017.



Inauguration of Astra Weapon System Production at BDL, Bhanur Unit by
Hon'ble Defence Minister on 27th August, 2017.



Secretary (Defence Production) Dr Ajay Kumar inaugurating the Acoustic Tank
Test Facility at BDL Visakhapatnam Unit on 25 Jan 2019

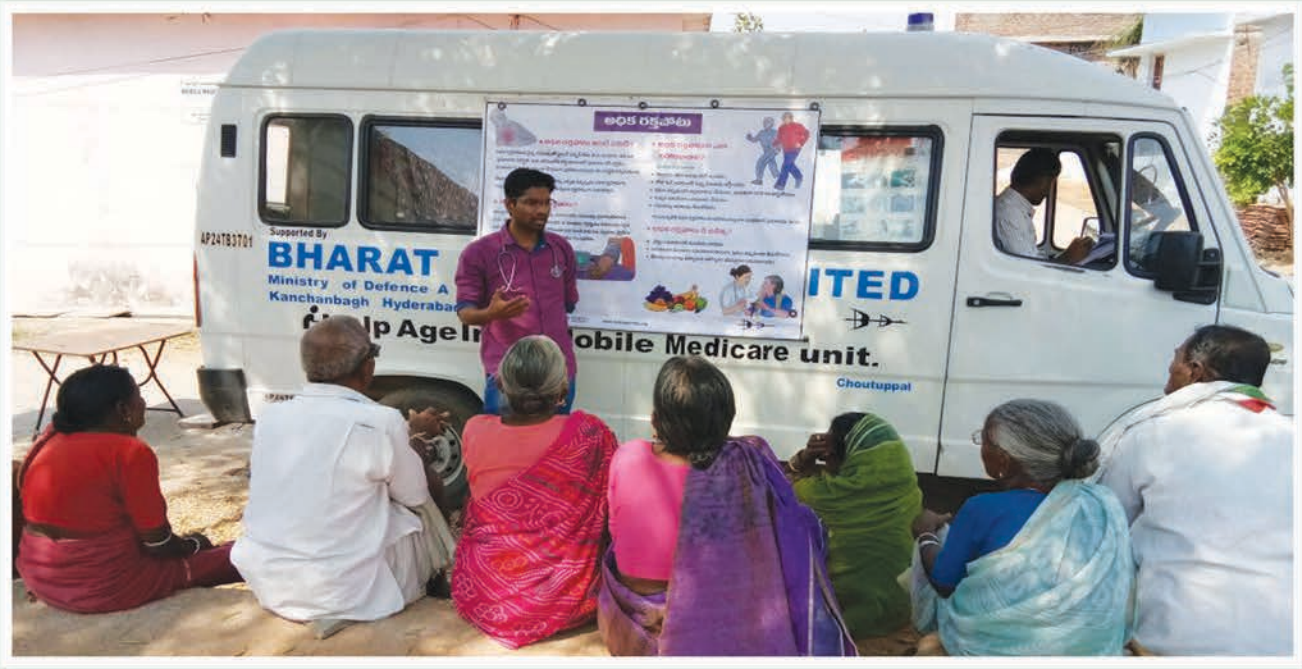


Dedication of Static Test Facility to the Nation by Hon'ble Defence Minister at BDL,
Ibrahimpatnam Unit on 27th August, 2017.



Dr G. Satheesh Reddy, Secretary, Department of Defence R&D and Chairman, DRDO
laid the foundation stone for setting up of state-of-the-art Central Stores on 21 Nov
2020 at BDL, Visakhapatnam Unit

Mobile Medicare Units



BDL seeks to address critical gaps in the delivery of healthcare in rural India. Company's efforts enabled the last mile reach for preventive and primary health services in rural areas that helped nearly 4000 beneficiaries to lead long and fulfilling lives.



Doctors along with medical staff visiting villages to provide treatment and medicines to beneficiaries.

'Swachhta Pakhwada'



Tree plantation was undertaken in factory premises and township during 'Swacchta Pakhwada'.



A Mini - Marathon for employees and their families was held to spread Awareness about Swacchta



Commodore Siddharth Mishra (Retd), CMD, BDL addressing employees of the Company during 'Swacchta Pakhwada' celebrations at BDL.

As a part of the CSR initiative, BDL has built toilets in public places, funded them and leveraged the Swachh Bharat Mission by acting as the catalyst of positive transformation.

Construction of School Toilets



Construction of 'She' Toilets



Investing in a child's nutrition is one of the most effective ways to ensure the development of our nation. With that in mind, BDL, in partnership with The Akshaya Patra Foundation, significantly contributed to the Mid-Day Meal Programme for approximately 15,000 school children in the states of Telangana and Andhra Pradesh.

Contribution to Mid-Day Meal Programme



Hon'ble Raksha Mantri Shri Manohar Parrikar, flagging-off the Mid-Day Meal Distribution van donated by BDL to Akshaya Patra Foundation.





Inauguration of 3 laboratories (Electrical, Electronic-Mechanic & COPA) at Shanthinagar, Govt. ITI Hyderabad by Commodore Siddharth Mishra (Retd), CMD, BDL



Classroom Building inauguration by Shri N. Srinivasulu, Director (Finance), BDL at Old city Govt. ITI, Hyderabad.

Celebrating 50 years of service to the Nation



To commemorate the vision of Bharat Ratna Dr APJ Abdul Kalam, a statue of Dr Kalam was unveiled by the Hon'ble Raksha Mantri, Shri Rajnath Singh in BDL on 3 Aug. 2019.



"Veer Naris" from the State of Telangana and Andhra Pradesh were felicitated by Hon'ble Raksha Mantri on the occasion of Golden Jubilee Celebrations of BDL

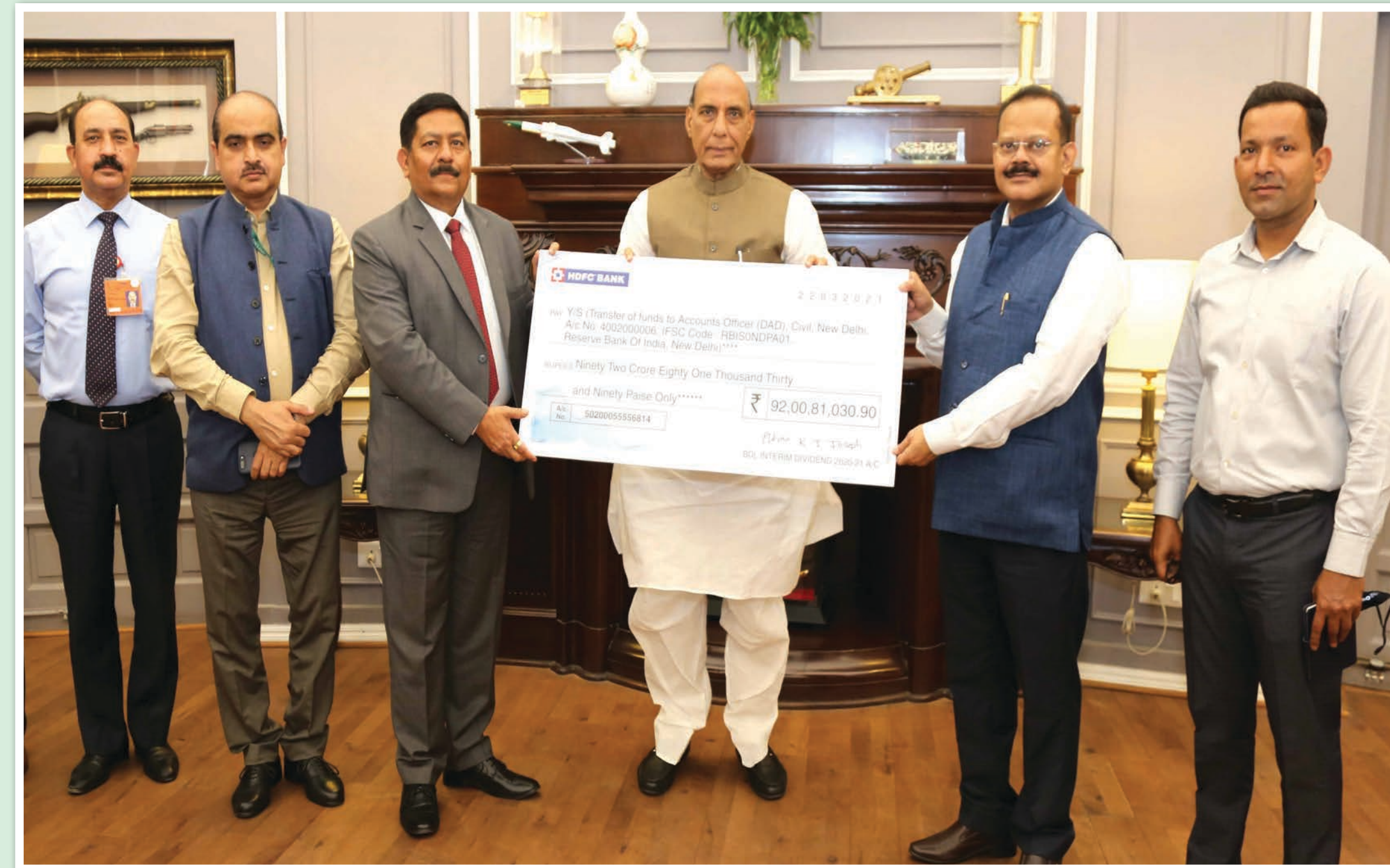


A commemorative stamp on BDL was released by the Hon'ble Raksha Mantri as a part of the Golden Jubilee Celebrations of the Company.



CMD, BDL Commodore Siddharth Mishra (Retd), administering the Vigilance Pledge to employees of BDL on the eve of inauguration of Vigilance Awareness Week - 2020 at BDL on 27 Oct 2020. Chief Vigilance Officer, BDL Dr. Upender Vennam, IPoS, Director (Technical), Shri N P Diwakar, Director (Production) Shri P. Radhakrishna and other senior executives of the company were present.

"Chetana", an annual newsletter published by Vigilance Department of BDL being released by Prof. Madabhushi Sridhar Acharyulu, Former Central Information Commissioner in the presence of Cmde Siddharth Mishra (Retd), CMD, BDL, Shri N P Diwakar, Director (Technical), Shri P. Radha Krishna, Director (Production), Dr Vennam Upender, IPoS, Chief Vigilance Officer, BDL and senior executives of the company.



CMD, BDL Commodore Siddharth Mishra (Retd) presenting interim Dividend cheque for Rs 92.008 Crore to Hon'ble Raksha Mantri, Shri Rajnath Singh at New Delhi on 22 March 2021. Shri Raj Kumar, Secretary (Defence Production) and Shri Anurag Bajpai, Joint Secretary (Pe&C) from Ministry of Defence & senior officials from BDL were present on the occasion.

'Azadi ka Amrit Mahotsav' begin at BDL from 26 Mar 2021 with a 'Freedom March' participated by war veterans and serving officers



Felicitation of war veterans by BDL as a part of 'Azadi ka Amrit Mahotsav'



Few reactions from the participants

Thankyou Team BDL for organising such a beautiful event!!
Regards....

Cdr Chandrasekar

Thank CMD & entire BDL for the most rejuvenating
experience for the Veterans

Col Jafar Naseem

It was a heart touching event bringing great honour to the
veterans. Thank you CMD and staff of BDL –

Lt Col KSN Sukumaran

Very well organised. Thank you all – Lt Col B Lakshmi
Narayana Prasad

Thanks to CMD, BDL and his team for such a well-
coordinated event, befitting the occasion. Proud to be part
of it.rgds

Cdr S M Varanasi

Excellent conducted even my best wishes toCMDnd Mr
Sumit Saxena lots of thanks

Capt JBS Anand

I have attended many Veterans related events in the past
Ten years or so.But today's Event organized by CMD &
and his team of BDL colleagues is, Outstanding in every
aspects.....Kudos to Team BDL.....Best wishes,

Maj. Sadasivarao, Veteran

Very thoughtful gesture. Truly appreciate the efforts by
CMD and the team of BDL!

Capt E Satish Kumar

Thanks to BDLand CMD team for outstanding and heart
touching honour to the veterans,
Regards.

Col Bhubinder Singh

Thank you team BDL for organising such a beautiful event.
It's a pleasure taking part in it.I feel honoured.

Lt Col V L Narayan

KUDOS to CMD, & team BDL for organizing an Excellent
event.Speaks Very High of person @ Helm.Thanks you all
from the bottom of my Heart.

Cdr K. Praveen Chandra, Veteran

A very well conducted event. Truly appreciated the
thoughts given to conduct such event. Thank you all.
Regards.

Major Krishnan K V

It is really a great event as part of Celebrations of India
@ “Azadi Ka Amrit Mahotsav” organized by BDL. It is well
organized, coordinated and conducted. It clearly indicates
an excellent team work from BDL. I am really thankful to
Cmde. Siddharth Mishra, CMD and each one of his Team
for this Excellent Show. Thanks and Regards

Colonel Arjuna & Family

We thank the Cmdr S Mishra,Dir, and all the elite staff
of BDL for organising the Azadi Ka Amrit Mahotsav and
felicitating the War Veterans in befitting manner.

Col Uttakalla Sundaram

Thank you for organizing the Freedom March on the eve
of 75th Independence Day of our great country!Thank the
Team BDL and the CMD of BDL.It is very thoughtful of you
to felicitate the Veterans!Regards.

Lt Col MV Kesava Rao

Team BDL,Appreciate if individual pictures with BDL staff
are also shared. Regards.

Cdr K Praveen Chandra

It was a very well organised event and enjoyed every
moment. Thank you so much CMD BDL and his team. It
was indeed thoughtful of you to felicitate the Veterans
on this momentous occasion of 75 years of India's
Independence. Jai Hind.

Brig Venugopal

IT was a heart touching event bringing great honors to
the veterans.Thanks a lot to the CMD and the staff of CMD.
Regards.

Lt Col SP Bedi

The CMD and team BDL.Thank you very much for
organising a very beautiful event intertwined with the
Defence PSUs and the Armed forces veterans. Jai Hind.

Lt Gen ARK Reddy

Thanks to CMD for his leadership.Very well organised
programme. We are really grateful to BDL for showing
respect to our sacrifice/ services to Nation.Also grateful
to their (BDL's) services to produce missiles which bring
laurels to Nation. Perfect timings maintained. Thanks for
breakfast befitting to veterans in the morning. Thanks
CMD and his Team once again.GpCaptKannappa
Extremely grateful to Cmde. SIDDARTH MISHRA, Chairman
& Managing Director of BDL and the entire staff of BDL for
honouring the War Veterans of the Armed Forces of our
Great Nation.
May God Almighty bless the BDL.

Col Venkatesh Mahadevan

Thanks entire BDL team for meticulously planned and
executed today's War Veterans March event as part of
75 years of Independence, AZADI KA AMRIT MAHOTSAV
celebrations at RSI Secunderabad. Regards. Brig

K. Suchender Rao(Retd)

Thanks and very grateful to Cmde S Mishra, CMD of BDL
and entire staff of BDL for honouring the war veterans of
Armed forces. Regards,

Lt Col G S Ranawat (retd)

My complements to Cmde Siddharth Mishra and his
wonderful Team from BDL in organizing the entire event
with clockwork precision coupled with personal touch. Felt
honoured.Thanks and Regards.Col SR Poluri
Cmde Misra , CMD & team BDL.Grand Show.Congrats &
Thanks to you all
JAI HIND

Gp Capt Vinay Raj Vr C



Building a Resurgent Atmanirbhar Bharat

A paradigm shift in manufacturing process



Hon'ble Prime Minister of India being briefed by CMD, BDL during Defexpo – 2020 about industry 4.0 adopted by BDL.



Shri BHVS Narayanamurthy, Distinguished Scientist & Director, RCI, DRDO inaugurating the 'High Performance Computing facility' set up at BDL as a part of 'Atmanirbhar Bharat' Week observed by the Company.



Shri BHVS Narayanamurthy, Distinguished Scientist & Director, RCI, DRDO inaugurating the 'Surface-Mount Technology facility' set up at BDL as a part of 'Atmanirbhar Bharat' Week observed by BDL from 7th to 14th Aug.2020.

Laying of foundation stone for new manufacturing facilities



Hon'ble Raksha Mantri Shri Rajnath Singh laid the foundation for creation of Warhead production facility at BDL on 10 Aug 2020.



Hon'ble Raksha Mantri Shri Rajnath Singh laid the foundation for creation of Seeker Facility Centre at BDL during an event held virtually as a part of Atmanirbhar Bharat Week celebrations.



Dr G. Satheesh Reddy, Secretary, Department of Defence R&D and Chairman, DRDO laid the foundation for establishing High Temperature Carbon Composite manufacturing facility at an event held virtually as a part of Atmanirbhar Bharat Week celebrations.

New Products Launched



BDL launched two new products – the **Dishani** and **Garudastra** during Aero India – 2021. Commodore Siddharth Mishra (Retd), CMD, BDL presented a model of the new products to Hon'ble Raksha Mantri Shri Rajnath Singh during a ceremony held as a part of Aero India - 2021 in the presence of Chief of Integrated Defence Staff, Chief of the Indian Army, Chief of the Indian Navy, Secretary (Defence Production), Ministry of Defence, Secretary, Department of Defence R & D and Chairman, DRDO, Air Officer Maintenance and other dignitaries.



New Products Launched



Konkurs Launcher Test Equipment and Konkurs Missile Test Equipment were launched by Hon'ble Raksha Mantri as a part of Atmanirbhar Bharat Week celebrations

Amogha – III, a third Generation Anti-Tank Guided Missile designed and developed by BDL with the support of DRDO, was launched during Defexpo – 2020. A model of the missile was presented by CMD, BDL to Hon'ble Raksha Mantri during Defexpo – 2020 in the presence of Hon'ble Raksha Rajya Mantri, Hon'ble Chief Minister of UP and other dignitaries.



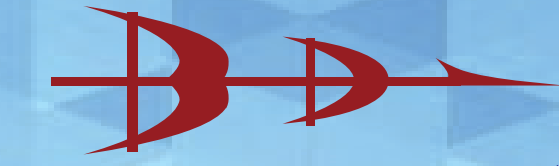
MoUs / Agreements signed



BDL has entered into Memorandum of Understanding (MoU) / agreements during Aero India - 2021 with foreign and Indian firms.



BDL and Thales signed a teaming agreement on 13 Jan 2021 to manufacture STARStreak Air Defence System in India. The agreement provides an opportunity for BDL to offer STARStreak Missile System to Indian Armed Forces with a minimum of 60% of indigenous content, as well as design and development of the system, qualifying it under 'Make in India' Programme.



भारत डायनामिक्स लिमिटेड
BHARAT DYNAMICS LIMITED

शांति का आधार अस्त्र-बल
 THE FORCE BEHIND PEACE



Corporate Office



Kanchanbagh Unit



Bhanur Unit



Visakhapatnam Unit



Ibrahimpatnam Unit

(भारत सरकार का उपक्रम, रक्षा मंत्रालय A Govt. of India Enterprise, Ministry of Defence)

Registered Office : Kanchanbagh Post Hyderabad – 500 058 Telangana State, India

Corporate Office : Plot No. 38-39, TSFC Building, Financial District,
 Gachibowli, Hyderabad - 500032. Telangana State, India

E-mail: bdbdl@bdl-india.in

Website: www.bdl-india.in