



BHARAT DYNAMICS LIMITED

(A Govt. of India Enterprise, Ministry of Defence)

CIN :- L24292TG1970GOI001353

Corporate Office: - Plot No. 38-39, TSFC Building, Near ICICI Towers, Financial District,
Nanakramguda, Hyderabad-500032

Registered Office: - Kanchanbagh, Hyderabad-500058

Tel: 040-23456145; Fax: 040-23456110

e-mail: investors@bdl-india.in; website: www.bdl-india.in

Date: July 17, 2019

To, The Manager Compliance Department The National Stock Exchange of India Ltd Exchange Plaza, Bandra-Kurla Complex, Bandra (East) Mumbai- 400051	To, The Manager Compliance Department BSE Limited Phiroze Jeejeebhoy Tower, Dalal Street, Mumbai- 400001
---	--

Scrip Code / Symbol :541143 / BDL

Dear Sir / Madam,

Subject: News article carried in the Newspapers on the occasion of Golden Jubilee inaugural event along with clarification

1. Please find enclosed news article carried in the newspapers on BDL as **Annexure-I**.
2. In this regard we wish to inform and clarify that -
During the media interaction, CMD BDL has stated that "BDL is expecting total orders inflow worth Rs.25000 Crore in the next five years. The present order book is Rs.8000 Crore (approx)". This may please be noted and read accordingly.
3. Also, please find attached complete press note (as **Annexure-II**) released on the occasion of Golden Jubilee inaugural event.
4. This is for your information and records please

Thanking you,

Yours faithfully

For Bharat Dynamics Limited

N.Nagaraja
Company Secretary

Encl:- As stated above

Benchmarks >

Nifty LIVE
11,692.70 30.10



NSE Gainer-Large Cap >

HDFC Asset Manage...
2,072.00 81.70



Precious Metal >

Gold (MCX) (Rs/10g.)
34,755.00 -57.00



Stock Analysis, IPO, Mutual Funds, Bonds & More

Market Watch

Missile manufacturer BDL to have Rs 25,000 crore orders

Post a Comment

BY IANS | JUL 16, 2019, 03.02 PM IST

HYDERABAD: Bharat Dynamics Limited (BDL), a defence public sector undertaking, will have an order book of Rs 25,000 crore for the next five years, including Rs 8,084 crore orders currently on hand.

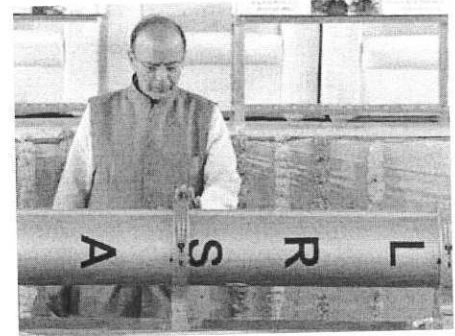
BDL Chairman and Managing Director Siddharth Mishra told reporters on Tuesday that except one export order, all others were from the Indian armed forces.

The existing orders will be executed by 2023-24 and include seeker-based multi-role air defence missile MRSAM being jointly developed by the Defence Research and Development Organisation (DRDO) and Israel Aerospace Industries (IAI).

BDL, which entered its golden jubilee year on Tuesday, plans to set up a facility at Amaravati in Maharashtra for manufacturing of VSHORADS missiles. The facility will be established based on the orders and it is likely to cost Rs 300 crore.

Mishra said BDL was engaged in co-development programmes with the DRDO for QR SAM, Akash 1S, Akash NG, MPATGM, ASTRA missiles as well as sonobuoys (a navigation mark equipped to detect underwater sounds and transmit them by radio).

The company has an MoU with Thales, UK for STARSTREAK missiles. It is also in talks with various OEMS to get new technologies.



In this file image, former Defence Minister Arun Jaitley inspects a missile at the handing over ceremony of Long Range Surface to Air Missile (LRSAM) developed at BDL to the Indian Naval command in Hyderabad.

RELATED COMPANIES

EXPAND

Bharat Dyna...

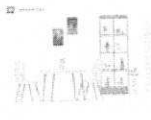
Big Change:

The end of Five-Year Plans: All you need to know

Recommended By Colombia



Easy Way to Regrow Hairs by Naturally
indiafitandhealth.life



Why buy when you can rent? Use Code: TRYIT & get 500 OFF!
Rentomojo

BDL is currently manufacturing Anti-Tank Guided Missiles like MILAN-2T, Konkurs-M, Invar, surface-to-air missiles like Akash and MRSAM, underwater weapons like light weight Torpedo (TAL), heavy weight Torpedo (Varunastra), C-303 and counter measures dispensing systems for various aircraft platforms of the Indian Air Force.

Stay on top of business news with The Economic Times App. Download it Now!

HYDERABAD THE HINDU
WEDNESDAY, JULY 17, 2019

BDL going strong with ₹8,000-cr. missile orders

We plan to make third-generation missiles soon, says CMD Siddharth Mishra

SPECIAL CORRESPONDENT
HYDERABAD

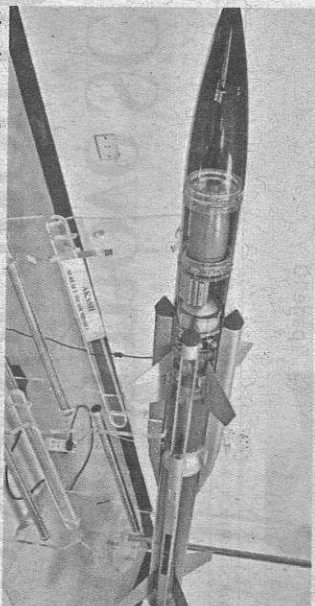
The Bharat Dynamics Limited (BDL), celebrating its golden jubilee this year, has orders worth ₹8,000 crore for making various missiles for the armed forces to be delivered within the next five years. This order is expected to reach up to ₹25,000 crore in the next four-five years even as it ramps up the production of next-generation missiles.

Working under the Ministry of Defence, the BDL has also entered into a pact with IIT-Hyderabad for making use of artificial intelligence in the development of systems and products. Further, it

would be tying up with T-Hub for developing an ecosystem for start-ups to solve problems through hackathons, said chairman and managing director Commodore (retd) Siddharth Mishra on Tuesday.

More exports

Addressing a press conference on the institute premises at Kanchanbagh, Mr. Mishra said the BDL has also begun exports and has just completed the first consignment of missiles to a "friendly country", with more orders in the pipeline. It was game for more exports depending on the demand and permissions obtained from



Akash, a surface-to-air missile, manufactured by Bharat Dynamics Limited to meet the requirement of Indian armed forces. • BY ARRANGEMENT

the Government of India.

Established this day in 1970 as a manufacturing base of guided missiles and allied defence equipment to meet the Indian armed forces' re-

quirement, it began work with Anti-Tank Guided Missile (ATGM) SSMBI under technical collaboration with Aerospaceale of France. It now works in partnership

with the DRDO and armed forces in making the latest missile systems. The company currently makes ATGMS, Akash surface-to-air missiles, torpedos, seeker-based multi-role air defence missile or the MRSAM - medium-range surface-to-air missile - being jointly developed by the DRDO, IAI (Israel) and others.

It has also been in the process of collaborating with various original equipment manufacturers for technology transfers for next-generation missiles. A pact with British Thales is already through for 'Starstreak missiles'. "We are now making second-generation missiles and plan to go

for third-generation ones soon. The international market has players making fourth and fifth-generation missiles," admitted Commodore Mishra, candidly.

Commodore Mishra added that the BDL would soon unveil a statue of former President A.P.J. Abdul Kalam near the front gate of the Kanchanbagh unit to commemorate his vision for the Integrated Guided Missile Development Programme, which gave a lot of opportunities to develop its skilled manpower and invest in high-end technology to make various types of missiles as it was the prime production agency.

BDL expects orders worth ₹25,000 crore in 5 years

EXPRESS NEWS SERVICE
@ Hyderabad

IN what could be seen as the Central government's increasing focus on strengthening the country's defence capabilities, city-based defence PSU Bharat Dynamics Limited (BDL) on Monday announced that it expects an order of ₹ 25,000 crore in the next five years, apart from the ₹8,084 crore worth orders at hand.

Speaking at the Golden Jubilee celebrations of the PSU, Commodore Siddharth Mishra, CMD of BDL, said that as of now the bulk of the orders are from the country's Armed forces which include 9M113 Konkurs missiles, INVAR missiles and the MRSAM missile which is jointly being developed by DRDO and Israel Aerospace Industries.

Mishra said the orders also include exports. "We are looking towards exporting to friendly



BDL CMD Siddhartha Mishra (third from left), GM (HR) S Narayanan, Director (Finance) S Piramanayagam, Director (Technical) NP Diwakar, Director (Production) P Radhakrishna at the firm's golden jubilee celebrations in Hyderabad on Tuesday | EXPRESS

countries. As of now, we have got clearance to export Advanced Lightweight Torpedo (TAL), Varunashtra torpedo."

The defence PSU is also looking towards expansion and announced that they have created a storage facility and a missile testing facility with an administrative block at Ibrahimpatnam.

BDL plans to set up a facility

at Amaravati in Maharashtra for manufacturing VSHORADS missiles. The facility will be established based on the orders and it is likely to cost ₹300 crore.

The company has signed an MoU with Thales, UK for STAR-STREAK missiles, apart from being in talks with various OEMs to get new technologies.

S Piramanayagam, Director (Finance), BDL, said "This fi-

nancial year there was a de-growth compared to the previous FY in 17-18. In the 2018-2019 FY, the company's growth was at ₹3,069 crore. However, in FY 17-18, it was at ₹4059 crore."

It is also exploring new technologies like Artificial Intelligence. The company recently had signed an MoU for setting up of a Centre of Excellence with IIT-Hyderabad.

BDL to expand its wings

COREENA SUARES | DC
HYDERABAD, JULY 16

Bharat Dynamics Limited (BDL), one of the leading defence PSUs in the city, which is approaching its 50th anniversary, is tying up with international defence manufacturing companies. The defence sector is BDL's largest customer.

BDL in 2018 recorded a turnover of ₹3,069 crore and purchase orders worth ₹8,084 crore with execution time up to 2023-24. BDL manufactures anti-tank

guided missiles like MILAN-2T and Konkurs-M, surface-to-air missiles like Akash and underwater weapons like light and heavy torpedoes (Varunastra) among others. Chairman and managing director Commodore Siddharth Mishra (retired) said BDL is the only defence PSU to manufacture guided missiles for the armed forces.

"We manufacture and supply Prithvi surface-to-surface missiles, Akash surface-to-air missiles (inducted into the Army in May

2015) and the seeker-based multirole air defence missile MRSAM (medium-range surface-to-air missile), which is being developed jointly by the DRDO & IAI, Israel," he said.

BDL is engaged in the co-development programmes of the DRDO. These include QR SAM, Akash 1S, Akash NG, MPATGM, ASTRA and Sonobuoys.

BDL heads claimed discussions are underway to acquire new technology by signing an MoU with M/s Thales, UK, for

STARSTREAK missiles.

BDL presently has three manufacturing units of which, two are located in Telangana — in Hyderabad and Bhanur — and one in Visakhapatnam. Further, BDL has created a facility in Ibrahimpatnam, which has a one-of-its-kind static test facility for testing all types of rocket motors, for the production and testing of SAMs.

BDL recently also acquired land to manufacture VSHORADs in Amravati, Maharashtra.

At 50, Bharat Dynamics eyes missile exports, offset projects

V RISHI KUMAR

Hyderabad, July 16

Defence PSU Bharat Dynamics Ltd (BDL) is executing orders worth over ₹8,000 crore at present, and expects the order book to swell to ₹25,000 crore over three or four years. The company is set to celebrate its 50th year of formation.

BDL has been supplying to the country's defence sector and, lately, to a friendly neighbour, too, said Siddharth Mishra, CMD. "The company has been mandated to step up exports to about 10 per cent of its business and we look forward to achieving this goal," he said.

Maharashtra facility

The defence firm is also in the process of setting up a facility at Amravati in Maharashtra, where it expects to invest about ₹300 crore. It has already acquired the land and all clearances are in place. Once it secures orders, the fa-



Siddharth Mishra, Chairman and MD, Bharat Dynamics

cility will be developed, said Mishra.

BDL is engaged in the manufacture of second-generation missile systems, and is working on the third-generation range that it expects to roll out by next year.

Going forward, BDL expects to optimise existing production lines, maximise the geo-static reach by increasing exports and indigenisation, work towards co-development with design agencies for new projects, take up more

offset projects with global OEMs and suppliers, and upgrade its manufacturing facilities, said Mishra.

New domains

Apart from its engagements in co-development programmes with the Defence Research and Development Organisation (DRDO), BDL is entering new domains, he added.

Over the years, it has partnered with Aerospatiale of France, Konkurs of Russia, and with Israel through joint development with DRDO, among others.

It has partnered with IIIT-H for using artificial intelligence in processing systems and missiles, and is close to tying up with T-Hub to give a filip to start-ups.

Established in 1970, BDL has facilities at Kanchanbagh and Bhanur near Patancheru, and the third one in Vishakhapatnam, all in Andhra Pradesh.

BDL to export indigenous torpedos and missiles

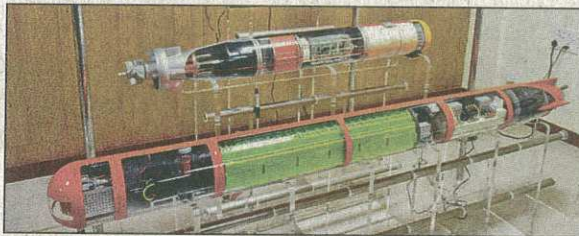
Sushil.Rao@timesgroup.com

Hyderabad: Missile manufacturer Bharat Dynamics Limited (BDL) will export torpedoes to several countries as India propels itself into producing third generation missile systems with indigenous technology.

"The public-sector company has already pocketed an order book of ₹8,084 crore and by 2024, the order value, including exports will scale up to ₹25,000 crore," said Commodore Siddharth Mishra, chairman and managing director, BDL.

While some of the second general missiles manufactured at BDL, Hyderabad, have already hit the international market, the company will soon supply Indian Navy its first consignment of the indigenous 'varunastra' this year. The navy will get delivery of Konkur and Invar missiles by 2019-20. The company has signed a MoU with Thales, UK for the technology of 'Starstreak' missiles.

He said the government has given the company a target of 10% of its revenues to come from exports and accordingly they are geared up to export its missile systems to



The Torpedo Advanced Light (bottom) and the Heavy Weight Torpedo

India to develop its own missile shield

BDL is in the process of developing a defence missile shield for India. Some preliminary work on it has already begun. "It will completely be developed indigenously," Siddharth Mishra, chairman and managing director, Bharat Dynamics Limited (BDL) Commodore said on Tuesday.

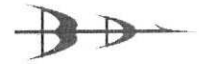
Mishra said an MoU has been signed with IIT Hyderabad and BDL will work on five new projects together in the next four years for developing artificial intelligence. "This will be put to use for process line development, improving production, bringing about innovation in products and product development," he said. The 'Centre of Excellence' was established by IIT-Hyderabad and BDL with the intention of making use of Artificial Intelligence (AI) in developing missile technology. TNN

'friendly foreign countries,' the names he said were being kept a secret. The government approval has come for exporting advanced light weight torpedo 'Tal', heavy weight torpedo 'varunastra' and anti-tank guided missile 'Milan'.

"A decision will be taken

on a case by case basis in firming up export contracts. Some foreign countries have shown interest, though now, we have supplied the missile systems to only one country," Mishra said.

BDL has acquired land at Amaravati in Maharashtra for setting up another unit.



BHARAT DYNAMICS LIMITED
(A Govt. of India Enterprise under Ministry of Defence)
Hyderabad

BDL/104/Corp. HR-CC/06

Dt. 16 July, 2019

Press Note

**BDL enters into 50th year of its service to the nation with greater
commitment and conviction**

Bharat Dynamics Limited (BDL), a Defence PSU under the Ministry of Defence, Government of India has entered into its 50th year of its service to the Nation.

Commodore Siddharth Mishra (Retd), CMD, BDL, speaking to the Media, as a prelude to the year-long Golden Jubilee Celebrations being observed by the Company, stated that the Company rededicates itself to serve the defence forces with greater commitment and conviction.

The journey, since the inception of the Company, has been very exciting filled with lot of challenges and opportunities. The challenges could be met successfully with the whole-hearted dedication, cooperation and hard work of our employees, encouragement from our esteemed customers, support from our vendors, technological support from the DRDO and guidance from the Ministry of Defence, Government of India.

BDL was established on this day in the year 1970 to be the manufacturing base of the Guided Missiles and allied defence equipment to meet the requirements of the Indian Armed Forces.

Prior to this, India was meeting this requirement by importing from other countries. Though even today, India continues to be one of the largest defence importers in the world, but percentage of import has reduced, as few of the defence equipment are being manufactured within India. It is in this context, I take pride in mentioning that BDL is the only Defence Public Sector in the Country to manufacture and supply Guided Missiles to the Indian Armed Forces.

In order to establish itself, BDL, in its formative years, entered into technical collaboration with friendly foreign OEMs to roll out the first series of Anti-Tank Guided Missiles, the SS11B1, to meet the immediate defence requirements of the Indian Armed Forces.

The SS11B1 was the first missile manufactured on the Indian soil by BDL in early 70s. This missile was manufactured by BDL under technical collaboration from M/s Aerospatiale of France. This missile is not in the current product range, as missiles of next generation are being manufactured due to advancements in defence technology and modernization of the Armed Forces.

Later, BDL started the production of second generation MILAN Anti-Tank Guided Missile, which was under the technical collaboration with MBDA, France at its Kanchanbagh Unit, the first manufacturing Unit owned by the Company. Later, this was upgraded to MILAN - 2T which came with the tandem warhead in the year 2008.

The second manufacturing unit of BDL came up at Bhanur unit, near Patancheru in the present Telangana State into operation in the year 1989. BDL manufactured Konkurs under technical collaboration with Russia at Bhanur Unit. Konkurs has been modified to an upgraded version of Konkurs – M and is under production. Invar is another Anti-Tank Guided Missile being manufactured under technical collaboration with Russia at BDL, Bhanur Unit.

The Integrated Guided Missile Development Programme, a brainchild of Bharat Ratna Dr APJ Abdul Kalam, launched by India during late 80s gave BDL a plenty of opportunities to develop its skilled manpower and invest in high-end technology areas to manufacture the five types of missiles contemplated under the IGMD Programme. BDL was nominated as the Prime Production Agency for these missiles. To commemorate Dr Kalam's vision, BDL, very soon, will be unveiling his statue near the front gate of our Kanchanbagh Unit.

BDL has manufactured and supplied the Prithvi Surface-to-Surface Missile to the Indian Armed Forces. Today, BDL manufactures the Akash Surface- to- Air Missiles, which was inducted into the Indian Army during May 2015. BDL is also manufacturing the seeker based multirole Air Defence Missile, the MRSAM (Medium Range Surface

to Air Missile) which is being jointly developed by DRDO & IAI, Israel. The present orders will be progressively executed by 2023 - 24.

BDL has set up its third Manufacturing Unit, which is at Visakhapatnam in Andhra Pradesh in the year 2013. The unit is exclusively for manufacture of Underwater weapons and Systems for the Indian Navy. Underwater weapons such as the Light Weight Torpedoes, the Heavy Weight Torpedo or the Varunastra, C-303 Anti-Torpedo Decoy System are being manufactured at BDL, Visakhapatnam Unit.

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

As BDL enters into 50th year of its Service to the Nation today, the Company rededicates itself to serve the defence forces with greater commitment and conviction.

In the years to come, BDL will be primarily focussing in the following areas:

1. Optimization of existing production lines
2. Maximizing the geostrategic reach by increasing the export and indigenization.
3. Co-development with design agencies for new projects.
4. Offset projects
5. Upgradation through innovation of its products.

Presently, BDL is engaged in Co-Development Programmes of DRDO. These include QR SAM, Akash 1S, Akash NG, MPATGM, ASTRA and Sono buoys.

BDL is expecting total orders inflow worth Rs.25000 Crore in the next five years. The present order book is Rs.8000 Crore (approx).

BDL is entering into new domains and is in the process of developing infrastructure for manufacture of seekers.

BDL is also under discussions with various OEMs to get new technologies like the MoU with M/s Thales, UK for STARSTREAK Missiles.

The Company is currently manufacturing Anti-Tank Guided Missiles viz., MILAN - 2T, Konkurs – M, Invar, Surface-to-Air Missile like Akash & MRSAM Underwater Weapons like Light Weight Torpedo (TAL), the Heavy Weight Torpedo (Varunastra), C – 303 and Counter Measures Dispensing Systems for various aircraft platforms of the Indian Air Force. etc.

The Company operates from three manufacturing units, of which, two are located in Telangana viz., Hyderabad and Bhanur and one in Visakhapatnam in Andhra Pradesh. In addition, BDL has created an exclusive facility for production and testing of SAMs at Ibrahimpatnam, which has a static test facility of one of its kind used for the purpose of testing all kinds of Rocket Motors. Also, BDL has acquired land for manufacture of VSHORADs at Amravati in Maharashtra.

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

The Company has also forayed into the international market by offering its products to friendly foreign countries.

Commodore Mishra attributed the success of the Company to the whole-hearted dedication, cooperation and hard work of its employees, encouragement received from its esteemed customers, support from vendors, Technology Development and hand holding from DRDO, guidance from the Ministry of Defence, Government of India and the wholehearted support received from the Media over the years.

Director (Finance), Shri S. Piramanayagam, Director (Technical), Shri NP Diwakar, Director (Production), Shri P. Radhakrishna were present along with General Managers of the Company. General Manager (HR) welcomed the gathering and Shri Shivanand S. Khanapet, General Manager (Bhanur Unit) delivered the vote of thanks.

Earlier during the day, a pledge was administered to employees in all units of the Company on the occasion of Golden Jubilee Year Celebrations.

---XXX---