

**भारत इलेक्ट्रॉनिक्स लिमिटेड**

(भारत सरकार का उद्यम, रक्षा मंत्रालय)

पंजीकृत कार्यालय :

आउटर रिंग रोड, नागवारा, बेंगलूर - 560 045, भारत

**Bharat Electronics Limited**

(Govt. of India Enterprise, Ministry of Defence)

Registered Office : Outer Ring Road,

Nagavara, Bangalore - 560 045, INDIA.

CIN : L32309KA1954GOI000787

टेलीफैक्स/Telefax : +91 (80) 25039266

ई-मेल/E-mail : secretary@bel.co.in

वेब/Web : www.bel-india.com

प्रति To,

नेशनल स्टॉक एक्सचेंज ऑफ इंडिया लिमिटेड  
National Stock Exchange of India Ltd.  
एक्सचेंज प्लाज़ा, प्लॉट नं/सी .1, जी ब्लॉक  
Exchange Plaza, Plot No. C/1, G Block,  
बान्द्रा -कुर्ला कॉम्प्लेक्स, बान्द्रा (पूर्व)  
Bandra-Kurla Complex, Bandra (E)  
मुंबई/Mumbai – 400 051

**सं.No. 17565/6/SE/NSEC/SEC**

**दिनांक / Date: 25<sup>th</sup> May, 2022**

महोदय / महोदया,

Dear Sir/Madam,

विषय - प्रेस विज्ञप्ति और वित्तीय वर्ष 2021-22 के लिए कंपनी के प्रदर्शन पर प्रेस कॉन्फ्रेंस में की गई प्रस्तुतीकरण।

**Sub: Press Release and Presentation Made at Press Conference on Performance of the Company for the FY 2021-22.**

सेबी (एलओडीआर) विनियम, 2015 के विनियम 30 के प्रावधानों के अनुसरण में, हम '2021-22 के प्रदर्शन हाइलाइट्स' शीर्षक वाली प्रेस विज्ञप्ति और 25 मई, 2022 को आयोजित प्रेस कॉन्फ्रेंस में किए गए प्रस्तुतीकरण की प्रति की एतद्वारा संलग्न कर रहे हैं।

In pursuance of the provisions of Regulation 30 of SEBI (LODR) Regulations, 2015, we are enclosing therewith Press Release titled 'Performance Highlights of 2021-22' and copy of presentation made at the Press Conference held on 25<sup>th</sup> May, 2022'.

सूचना व अभिलेख हेतु।

This is for your information and record.

सधन्यवाद / Thanking you,

भवदीय/Yours faithfully,

कृते भारत इलेक्ट्रॉनिक्स लिमिटेड/  
**For Bharat Electronics Limited**

  
एस श्रीनिवास/S Sreenivas  
कंपनी सचिव /Company Secretary



संलग्न-यथा उपरोक्त।

Encls: As stated above.

## **Bharat Electronics Limited**

*Empowering the Nation's Defence Forces*

### **Performance Highlights of 2021-22**

#### **FINANCIAL HIGHLIGHTS**

<b>Parameter</b>	<b>2021-22 (Audited)</b>	<b>2020-21 (Audited)</b>
Turnover (Rs. Crs)	15044	13818
Profit Before Tax (Rs. Crs)	3158	2935
Profit After Tax (Rs. Crs)	2349	2065
Export (US \$ Million)	33.30	51.93
Turnover per Employee (Rs. Lakhs)	170	151
Value added per Employee (Rs. Lakhs)	68.96	64.95
Order Book Value (Rs. Crs)	57570 as on 01.04.2022	53434 as on 01.04.2021
Expenditure on R&D (Rs. Crs)	1045	873

#### **HIGHLIGHTS OF 2021-22**

- BEL registered a turnover growth of 9% over the previous year, in spite of challenges due to Covid-19 pandemic, global chip shortage and stiff competition.
- Export turnover of 33.30 Million USD.
- Achieved Market Capitalization of Rs. 60,000 Crores.
- BEL's Armoured Engineer Reconnaissance Vehicle inducted into Indian Army.

## Empowering the Nation's Defence Forces

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- First prototype of indigenously developed Universal Driver Training Simulator for Rolling Stock (i-UDTS) inaugurated by Secretary (MoHUA).
- Turnover from indigenous technology is 78%.
- Sales from Defence business is 88%.

### **MAJOR ORDERS EXECUTED**

Some of the major orders executed during the year include:

- Long Range Surface to Air Missile
- Akash Weapon System
- Fire Control System
- Integrated Air Command & Control System
- Advanced Composite Communication System
- Integrated Electronic Warfare Suite
- Coastal Surveillance System

### **NEW PRODUCTS**

Some of the new products / systems introduced during the year are:

- Laser Fence System
- IR Jammer for Active Tank Protection System
- Gimbal for Tethered UAV
- Drainage Intrusion Detection System
- Solid State Power Controller Cards for Akash NG / QRSAM
- S-Band 150W Power Amplifier
- GNSS Receiver
- Managed Ethernet Switch -12 Port
- IP EPABX System
- Navigation Complex System
- C BAND GaN PA & C BAND GaAs MMICs
- Oxygen Concentrator 5LPM & 10 LPM and Dialysis Machine

## **MAJOR ORDERS RECEIVED**

During the year 2021-22, the Company received many orders. Significant among these orders include:

- Avionics Package for LCA
- Advanced Electronic Warfare (EW) suite for fighter aircraft
- Instrumented Electronic Warfare Range (IEWR)
- CDR TI cum Day Light Sights for T-90 Tanks
- Electronic Voting Machine & VVPAT
- RWR & MAWS for C-295 Aircraft
- Gun Electronic Upgrade
- Electronic Warfare Systems for Ships
- Weapon Locating Radar
- Integrated Observation Equipment

## **EXPORT PERFORMANCE**

- Achieved Export sales of 33.30 MUSD.
- Order Book of 269 MUSD, acquired orders worth 179 MUSD.
- Major products include Coastal Surveillance System, sub-systems of Radar and EW Systems, Data Link II, Cable Looms, Communication Equipment, Radar Finger Printing System, etc.
- Signed contract with Airbus for supply of Radar Warning Receiver (RWR) and Missile Approach Warning Systems (MAWS) as part of Offset under C295 aircraft programme of GoI.
- Collaborated with new local partners in Kenya, Chile, Suriname, Malaysia, Nepal and Bangladesh.
- Increased contract manufacturing portfolio by increasing empanelment as global supply chain partner with OEMs.
- Strategic alliances with Indian platform manufacturers initiated processes for signing agreements to create strong support within the country and with foreign OEMs to address global markets.

# Empowering the Nation's Defence Forces

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## **R&D INITIATIVES**

- Successful development, testing & completion of Multi Target Tracking Radar.
- Successful completion of BMP Electro Optic Upgrade and Combat Management System.
- BEL initiated two major activities for Delhi Metro Railway Corporation namely Super-Supervisory Control and Data Acquisition (SCADA) System and Indigenous Automatic Train Supervision System (i-ATS).
- BEL has signed LAToT with DRDO in the areas of Radar, EW Systems, Robotics and Weapon Systems.
- BEL has signed MoUs with the Tri-Services towards Technology Co-operation and Innovation.
- Future thrust areas are Quantum Cryptography, Photonics-based EW Systems, High-power Lasers, Geospatial Analytics, Image Profiling using LiDARs, Drone Guard systems, Intelligent Process Automation, AI based products, Unmanned Systems, etc.

## **MANUFACTURING INITIATIVES**

- Infrastructure enhancement is one of the major objectives of the Company in order to stay upgraded for global opportunities and to be the best in business.
- During the year 2021-22, the Company has spent around Rs 465 Crores as part of CAPEX investment towards modernization of Plant & Machinery, Test instruments, R&D investments, Infrastructure up-gradation etc.
- Following are some of the major facilities established during 2021-22:
  - Infrastructure & Test facilities for LRSAM
  - Augmentation of Facilities for AKASH Missile Systems
  - Virtual Desktop Infrastructure (VDI)
  - Regional Product Support Centres

## **BUSINESS INITIATIVES**

- Expansion of geo-spatial reach, full scale operationalization of Overseas Marketing Offices in Vietnam, Sri Lanka and Oman. Singapore and New York offices expanded with marketing cells.

## Empowering the Nation's Defence Forces

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- Ten Regional Product Support Centres with storage facility and test labs made operationalised.
- Leasing agreement signed with Tamil Nadu Industrial Explosives Limited for further expansion in the area of Arms and Ammunitions.
- TAs / TCAs signed with potential Strategic Partners in **the** areas of Electronic Warfare and Medical Electronics
- Signed MoU with Airport Authority of India for Advance Surface Movement Guidance and Control System.
- Dedicated business verticals for Arms and Ammunitions and Land Based Electronic Warfare Systems.

### **QUALITY INITIATIVES**

- All Units / SBUs certified for ISO 9001 QMS & ISO 14001-2004 EMS standards
- 19 Units / SBUs certified for AS 9100 Aerospace standard
- Central Software Development Group at Bangalore Complex and Hyderabad are CMMi level 5 certified and Central Research Laboratory, Network Centric Systems, DCCS at Ghaziabad and Chennai Unit are CMMi level 3 certified
- 10 Units / SBUs certified ISO 27001 (Information Security System)
- 385 engineers certified as CRE (Certified Reliability Engineers) and 335 engineers as CQE (Certified Quality Engineers) 72 engineers as CSQE (Certified Software Quality Engineers) and 124 Executives as CMQOE (Certified Manager of Quality for Organizational Excellence) by American Society of Quality (ASQ)
- 709 PMPs (Project Management Professionals) are certified by Project Management Institute till date

### **MAKE IN INDIA INITIATIVES**

- 78% of Sales Revenue from indigenous technology.
- BEL is focusing more on core areas and R&D to retain IP, all non-core areas are being outsourced to Indian Industries including MSMEs.
- Procurement from MSMEs contributed around 31%.

## Empowering the Nation's Defence Forces

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- Import substitution of critical sub-systems through in-house/domestic vendor development.
- BEL's Test facilities are being provided to Private vendors.
- EOIs published for imported items under Make-II to attract capable / prospective domestic manufacturers for indigenization.
- Details of items planned for indigenization uploaded on 'Srijan Portal', Indigenization portal of MoD.

### **HR INITIATIVES**

- Release of 3-year Training Plan of BAE in technology, leadership and quality domains.
- Company wide per capita training man days was 6.86 during 2021-22.
- Employee Engagement & Satisfaction Survey was conducted and BEL has been rated under "Best Employer Zone".
- Commencement of M.Tech programs in collaboration with IITs.
- BEL e-Shiksha was re-launched in association with M/s Coursera.
- BESAFE scheme implemented for assistance to the family of deceased employees.

### **ENVIRONMENTAL INITIATIVES**

- All 9 Units of BEL are ISO 14001 (Environmental Standard) certified.
- Well-established Environmental Management System with pollution control measures, Waste Water Treatment, Zero Effluent Discharge, Rainwater Harvesting, Energy Conservation and proper disposal of Hazardous Waste.
- With a total capacity of 13.9 MW wind energy plants, Green energy generated during 2021-22 is about 210 Lakh units.
- With cumulative capacity of 5.1 MWp Grid connected solar power plants installed at roof tops of various building, 54 Lakh units of energy was generated.
- Green Building concept has been introduced in all new buildings, and all future buildings will meet Green Rating for Integrated Habitat Assessment (GRIHA) rating compliance.

## Empowering the Nation's Defence Forces

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- Total renewable energy contribution during the year is around 49% which resulted in reduction of 251161 MT equivalent of CO<sub>2</sub>.

### **CORPORATE SOCIAL RESPONSIBILITY**

- Cold-Chain Equipment (Deep Freezers & Walk-in Freezer) donated to Government of Karnataka for COVID-19 Vaccination program.
- Medical Oxygen Generation Plants set up in 12 Govt. Hospitals across 6 States.
- Augmentation of Infrastructure in remote Govt. Schools.
- RO water plants installed in remote villages.
- Community Toilets for Tribal community.
- Water distribution facilities in rural villages.
- Inclusive & sustainable development interventions in remote villages.
- Sewage Treatment Plant established for Rejuvenation of Doddabommasandra Lake.

### **AWARDS**

- Rajbhasha Kirti Award
- Business Standard Annual Awards for Corporate excellence -2021
- Star PSU of The Year
- BEL CMD conferred with "C V Raman Mahila Vijnan" Puraskar for 2021 & PRCI Chanakya Award
- Greentech Corporate Governance Professional of the Year Award 2021
- Golden Star Outstanding R&D Leadership Award for Excellence and Leadership in Innovation
- CII CFO of the Year – PSU category





## BEL Press Conference

25.05.2022

## Financial Highlights of 2021-22



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## Highlights of 2021-22

- Registered a turnover growth of 9% over the previous year, in spite of challenges due to Covid19 pandemic, Global chip shortage & stiff competition
- Company achieved Market Capitalization of Rs. 60,000 Crores
- Chandigarh smart city inaugurated by Hon'ble Home Minister
- Turnover from indigenous technology is 78%
- Sales from Defence business is 88%
- BEL's Armoured Engineer Reconnaissance Vehicle inducted into Indian Army
- First Prototype of Indigenously developed Universal Driver Training Simulator for Rolling Stock (i-UDTS) inaugurated by Secretary (MoHUA)

# Major Orders Executed in 2021-22

### Long Range Surface to Air Missile



### Akash Weapon System



### Fire Control System

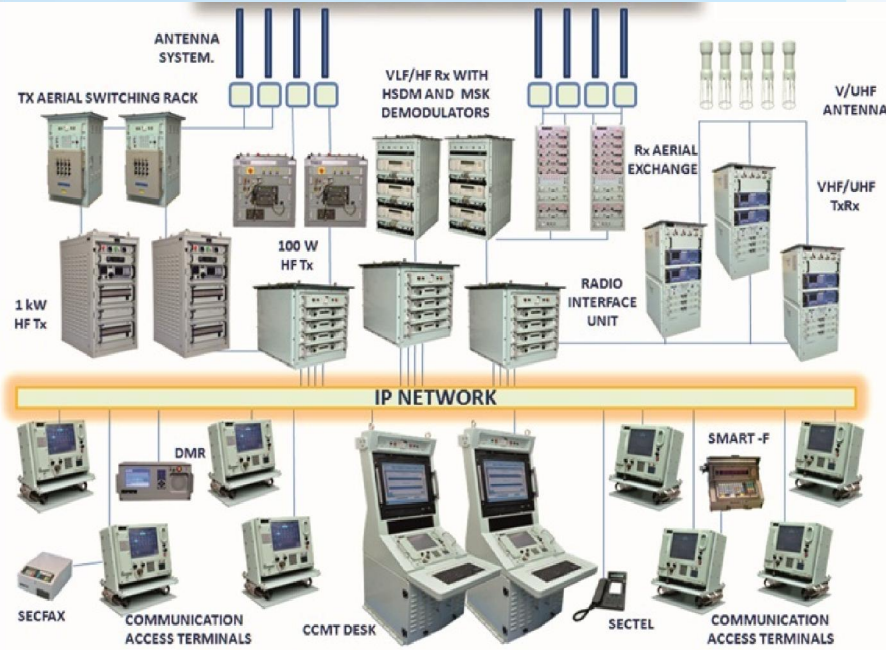


### Integrated Air Command & Control System



# Major Orders Executed in 2021-22

## Advanced Composite Communication System

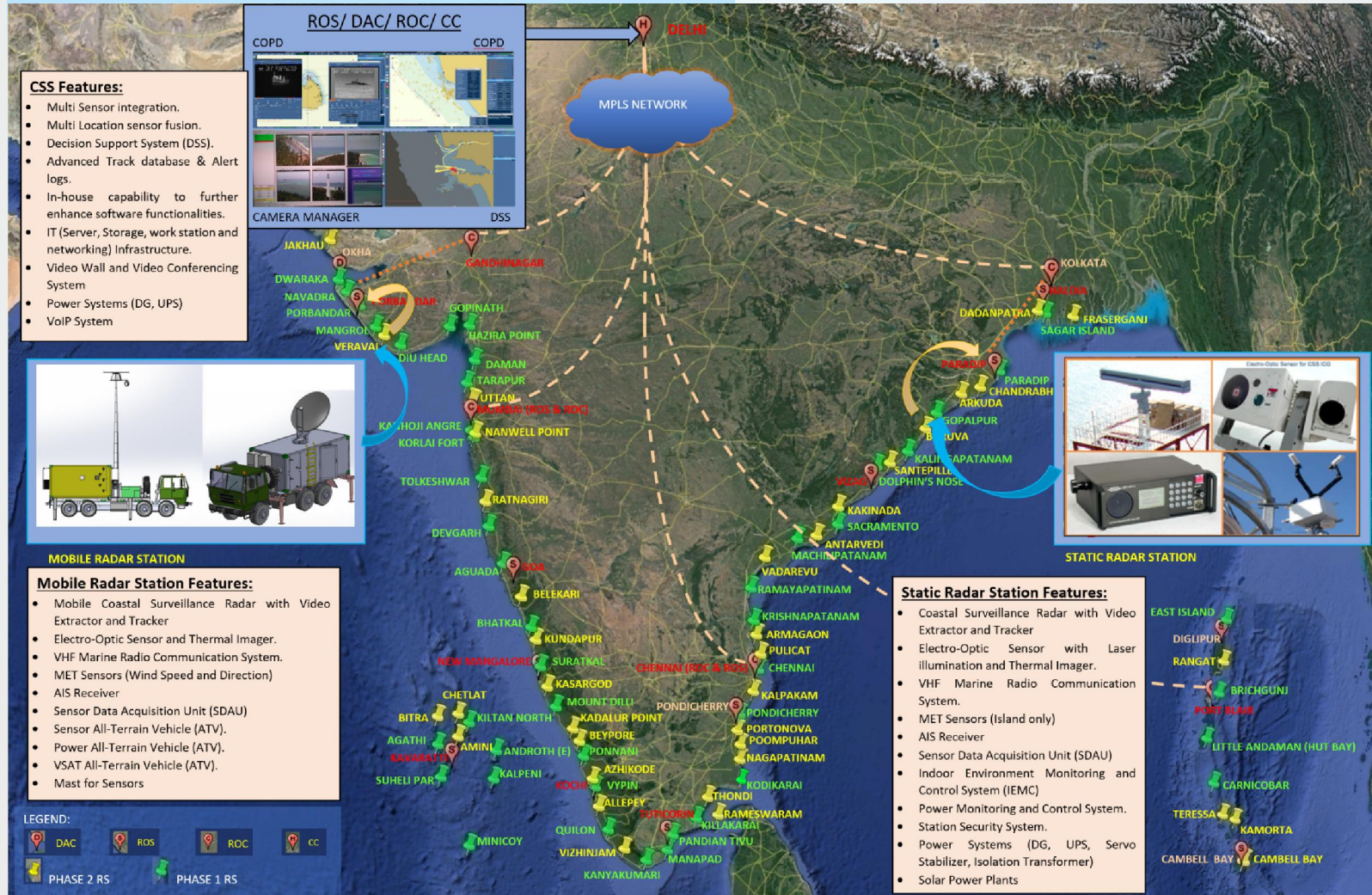


## Integrated Electronic Warfare Suite



# Major Orders Executed in 2021-22

## Coastal Surveillance System



## Major Orders Received in 2021-22

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## Export Performance

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## Research & Development

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# Manufacturing Initiatives

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- EOIs published for imported items under Make-II to attract capable / prospective domestic manufacturers for indigenization.
- Details of items planned for indigenization uploaded on 'Srijan Portal', Indigenization portal of MoD

# Environmental Initiatives



- All 9 Units of BEL are ISO 14001 (Environmental Standard) certified
- Well-established Environmental Management System with pollution control measures, Waste Water Treatment, Zero Effluent Discharge, Rainwater Harvesting, Energy Conservation and proper disposal of Hazardous Waste

# Environmental Initiatives

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- Green Building concept has been introduced in all new buildings, and all future buildings will meet Green Rating for Integrated Habitat Assessment (GRIHA) rating compliance
- Total renewable energy contribution during the year is around 49% which resulted in reduction of 251161 MT equivalent of CO<sub>2</sub>



# Corporate Social Responsibility



**Cold-Chain Equipment (Deep Freezers & Walk-in Freezer) donated to Government of Karnataka for COVID-19 Vaccination program**



**Medical Oxygen Generation Plants set up in 12 Govt. Hospitals across 6 States (Karnataka - 6, Uttar Pradesh – 2, Maharashtra – 1, Telangana – 1, Andhra Pradesh – 1, Tamil Nadu – 1)**



**Govt. Higher Primary School, Nelamangala, Karnataka**



**Govt. Senior Secondary School, Azhividaithane Village, Tiruvannamalai Dist, TN**

## **Augmentation of Infrastructure in remote Govt. Schools**

# Corporate Social Responsibility



**RO water plants installed in remote adopted village (Chowdammagutta Tnanda, Telangana)**



**Community Toilets for Tribal community at H.D. Kote, Mysore**



**Water distribution facilities in rural village at HD Kote, Mysore**



**Inclusive & sustainable development interventions in remote village in Yadigiri Aspirational District, Karnataka**

- Adopted 3 gram panchayat
- Building toilets in Village Govt Schools
- Augmentation of Infrastructure in PHC
- Hand wash platforms in 122 Govt. Primary schools
- Smart Class rooms in 100 Govt. High Schools



# Corporate Social Responsibility



**Sewage Treatment Plant established for Rejuvenation of Doddabommasandra Lake at Cost of Rs. 13.5 Crores**

# Awards



**BEL Bags Rajbhasha Kirti Award**



**Greentech Corporate Governance Professional of the Year Award 2021**



**The Golden Star Outstanding R&D Leadership Award for Excellence and Leadership in Innovation**

**BEL wins Business Standard Annual Awards for Corporate excellence -2021 "STAR PSU OF THE YEAR"**

**CMD was conferred with "C V RAMAN Mahila Vijnan" Puraskar for 2021 & PRCI Chanakya Award**



**CII CFO of the Year – PSU category**

*Thank You*