



भारत इलेक्ट्रॉनिक्स

BHARAT ELECTRONICS

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,

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To

Manager (Listing),
BSE Ltd.,
Floor 25, PJ Towers,
Dalal Street, Fort
Mumbai - 400 001

No. 17565/4/SE/MUMC/SEC
14th February 2017

Dear Sir/Madam,

Sub: Press Release.

Pursuant to Regulation 30 of SEBI (LODR) Regulations, 2015, we are enclosing herewith a copy of the press release titled '~~BEL launches Remote Controlled Weapon Station for MBT Arjun Mk II~~', being issued to the press.

This is for your information and record.

Thanking you,

Yours faithfully,

for **Bharat Electronics Ltd.**


S. Sreenivas
Company Secretary

Encls: As above

Press Release

BEL launches Remote Controlled Weapon Station for MBT Arjun Mk II



Photo Caption:

Mr M V Gowtama, Chairman & Managing Director, Bharat Electronics Limited, launching the Remote Controlled Weapon Station for MBT Arjun Mk II at the BEL stall at Aero India 2017 at Bengaluru today (February 14, 2017). Also seen are (from left) Mr Girish Kumar, Director (Bangalore Complex), Dr Ajit T Kalghatgi, Director (R&D), Mrs Anandi Ramalingam, Director (Marketing), Mr Nataraj Krishnappa, Director (Other Units), and Mr R N Bagdalkar, Director (HR).

Bengaluru, February 14, 2017: Navratna Defence PSU Bharat Electronics Ltd (BEL) has unveiled a new Weapon Control system — Remote Controlled Weapon Station (RCWS)/Air Defence Weapon Station (ADWS) for 12.7 mm Gun of MBT Arjun Mk II battle tank, at Aero India 2017, today.

The RCWS is an improvised version of the manually operated air defence gun. It enables the soldier to aim and fire at aerial targets from the safe interiors of the battle tank. Presently, the 12.7 mm guns of all tanks are manually operated. RCWS integrated on MBT Mk II has successfully completed tank integration and firing trials in September 2015. RCWS has also been developed for use in Armed Repair and Recovery Vehicle (ARRV). It can also be mounted on hovercraft / fast moving boats for the Coast Guard.

The features of RCWS include: Remote Firing option; Automatic Cocking; DSP Based Brushless Drive Technology; 2 Axis Self-stabilised platform; Day Camera & Night Vision; Automated FCS & Ballistics corrections; and Automatic Target Tracking.

Salient Features

The RCWS for MBT ARJUN Mk II is intended to lay and stabilise the NSVT 12.7 mm machine gun along with the optical sensors in traverse and elevation mounted on the MBT turret. The system allows the operator to control the gun and sight from the operating console and joy stick from inside the turret. The optical sensors include a day camera, Thermal Imager and a Laser Range Finder integrated on a single housing. The system allows automatic target tracking for air and ground targets and performs necessary ballistic computations to feed the ballistic offsets to the gun / sight. The system has a provision for the operator to do automatic loading and firing of the gun.

The system can operate on power mode without stabilisation or in stabilised mode where the gun along with the optical sensors is stabilised. The system can position the turret with an angular travel of 360 deg and elevate the gun in 60 to -5 degree elevation. The sight has a freedom of +/- 17 degree in azimuth and in elevation it can move from -5 to +60 degree. It operates from the 28V DC power source available on the tank. The RCWS meets all environmental specifications and EMI specifications as per MIL STD 461 F.

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| BANGALORE | ASHISH KANSAL |
| February 14, 2017 | Sr DGM (CORPORATE COMMUNICATION) |