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## **MBDA'S PARS 3 LR SHORT LISTED FOR INDIAN ARMY PROCUREMENT PROJECT**

MBDA's PARS 3 LR guided missile system has been short listed for the Indian Army helicopter future air-to-ground requirement. MBDA Deutschland has delivered proposals for its PARS 3 LR multi-target, long range weapon system for HAL's Advanced Light Helicopter (ALH DHRUV) and for two attack helicopters, the KAMOV KA-52 and the MIL MI-28.

Within the framework of MBDA Deutschland's export campaign for India, three PARS 3 LR firings were carried out from a German Tiger helicopter at the Vidsel test range in Sweden in April 2011. All three missiles were equipped with live warheads and all three struck their intended targets at the optimal hit points. Two firings were carried out within one minute of each other, the first against a static target at a range of 7,000 m and the second against a moving target at a range of 700 m. The third firing was carried out with the helicopter in fast forward flight against a static target at a range of 7,000 m.

Werner Kaltenegger, Managing Director of MBDA Deutschland, said: "I am delighted that the Indian Army has short listed PARS 3 LR for its procurement project. This represents a further confirmation of the close partnership MBDA has developed with India over the years. The successful industrial trials confirm the high level of reliability of the PARS 3 LR guided missile system. We are proud to offer the Indian Army such a powerful fire-and-forget system that can deploy precision attacks against a wide range of targets".

### **Notes to editors**

PARS 3 LR (third generation missile/long-range) is the main armament for the Tiger helicopter ordered by the German Army. PARS 3 LR is a high-precision, fire-and-forget weapon system for engaging mobile and stationary targets such as armoured vehicles equipped with the latest generation of armour protection, field fortresses, bunkers and other high-value targets.

PARS 3 LR enables the Tiger helicopter to achieve its required operational performance. The PARS 3 LR fire-and-forget system allows the helicopter to quit its position immediately after firing a missile, thereby exposing itself only as briefly as necessary to the threat of retaliation. The infrared seeker head locks on to the target before firing (lock-on before launch) after the gunner has detected and identified the target via the optical system integrated into the Tiger's mast mounted sight. The missile navigates to the target autonomously, without requiring further input or control from the gunner.

The 10µm-technology employed in both the gunner's sight and the seeker head and its technical layout and design enable unambiguous target identification and target designation at a distance of 7,000 m. The capabilities of the tandem shaped-charge warhead and the IR-seeker, which have been successfully proven in extensive tests,

allow the engagement of a wide variety of targets.

On 30th June 2006, the procurement contract for the PARS 3 Long Range precision fire-and-forget missiles was signed in Koblenz by the Federal Office of Defence Technology and Procurement (BWB), MBDA Deutschland / LFK and Diehl BGT Defence. The contract covers industrialization and delivery of 680 missiles for the German Army by the year 2014.

The contract for industrialisation and series production of the PARS 3 LR missiles will be managed by PARSYS, a joint venture between LFK-Lenkflugkörpersysteme GmbH (50%), now MBDA Deutschland, and Diehl BGT Defence (50%). Development of the overall PARS 3 LR system was formally completed in mid-2004. However, MBDA Deutschland has been manufacturing key components (electronics, launchers) of the PARS 3 LR system which have then been integrated by Eurocopter into the platform since the series production contract for the 80 Tiger helicopters was signed in 1998.

With industrial facilities in four European countries and within the USA, in 2010 MBDA achieved a turnover of 2.8 billion euros with an order book of 10.8 billion euros. With more than 90 armed forces customers in the world, MBDA is a world leader in missiles and missile systems.

MBDA is the only group capable of designing and producing missiles and missile systems that correspond to the full range of current and future operational needs of the three armed forces (land, sea and air). In total, the group offers a range of 45 missile systems and countermeasures products already in operational service and more than 15 others currently in development.

MBDA is jointly held by BAE SYSTEMS (37.5%), EADS (37.5%) and FINMECCANICA (25%).