

# SP's *Special* SUPPLEMENT



A SP GUIDE PUBLICATION

ALAB & MARK, SYSTEMS EXHIBITION

## India Spurs Modernisation

▶ Visit us at **DEFEXPO '06**, Jan 31 to Feb 3, Hall No. 13, Booth No. 6 ◀

## BMP are the vehicles that will always be needed

For many years already the concepts of BMP and "Kurganmashzavod" JSC are inseparably tied to each other and mean high quality, reliability and simplicity. Successful application of Russian infantry fighting vehicles BMP-1, BMP-2 and BMP-3 manufactured by "Kurganmashzavod" JSC in numerous wars and local conflicts of the last decades of 20 century proved survivability and high combat characteristics of the vehicles.

BMP-2 is one of the most widely spread infantry fighting vehicles in service of land forces of various countries in the world. Due to high efficiency, design simplicity and high degree of reliability BMP-2 was appreciated by military specialists in many countries of the world. Licensed production of BMP-2 was developed in several countries of the

world including India and Iran and spare parts for the vehicles are purchased by more than 30 countries of the world.

Nevertheless taking into account the change of modern conduct of combat conditions, BMP-2 infantry fighting vehicle requires modernization. The complex modernization program developed at "Kurganmashzavod" JSC is aimed at increase of firepower, mobility, protection and ergonomics of the vehicle.

Increase of firepower factor is reached at the expense of improvement of fire control system by way of installing "Rubezh" sighting complex with thermal imaging camera and commander's vision device with laser active-pulse illumination. These improvements increase the range of target detection/identification and accuracy of target

range measurement. Furthermore BMP-2 can be equipped with AG-17 automatic grenade launcher enabling delivery of fire at various trajectory angles and increasing possibility of enemy's personnel defeat. Effectiveness of BMP-2 armament system and possibility of enemy's targets defeat are increased 1.7 times as compared with the serial vehicle.

Mobility of BMP-2 is increased at the expense of installing new UTD-23 engine and new reinforced running gear. It enables increasing of the vehicle specific power and average traveling speed on dirt roads. TVK-1 driver's multipurpose vision device increases visual range of roadbed and possibility of night driving.

To increase the vehicle protection appliques are installed on side of BMP-2 hull and rear of turret. Protection of floor in engine transmission compartment and driving compartment (seats of driver and troopers commander) against destructive effect of personnel mines is provided by special antimine bottom plates. The experience of operation and combat use caused installation of new fire-fighting system. "Raduga-2" fire-fighting system is intended for automatic detection and extinguishing of fire in fighting compartment.

High intensity of modern combat, big workload and possibility of BMP-2 use in various climatic areas brought about improvement of the vehicle ergonomic characteristics. Installation of KBM-2 conditioner provides comfort conditions in the vehicle for the crew and troopers at ambient temperature up to +50°C.

Testing of modernized BMP-2 was held within several years both in Russia and abroad. The vehicle proved its best in the most severe conditions of Siberian winter (where temperature reached sometimes -50°C) and in African countries. There were held negotiations for conducting tests of some modernization trends (in the first place new engine and reinforced running gear) for India but no concrete results in this direction are reached yet.

Introduction of modernization measures considerably increased the vehicle combat capabilities and characteristics. Appreciation of representatives of Russian Ministry of Defense is confirmed by the intention to purchase first batch of such vehicles in the next year already. Furthermore at present negotiations are being held with numerous foreign buyers for delivery of both modernized vehicles and sets for BMP-2 modernization.





KURGANMASHZAVOD

# The Way an IFV's Meant To Be

