



Kanpur, September 15, 2014:

MKU introduces 6th generation armour technology – sets new benchmarks for performance and mission capabilities of armoured helicopters

MKU has introduced its 6th Generation armour technology - **Polyshield V6**. The new technology reduces the weight of the armour of a helicopter by up to 40% and is almost 30% thinner than standard solutions. The reduced weight improves the performance and mission capability of armoured helicopters. This technology has been developed after extensive R&D by MKU's team of experts and engineers based in Germany and India.

Helicopter armouring solutions manufactured using the 6th Generation Polyshield V6 technology and conforming to Stanag 4569 level I weigh only 12kg /sqm. "Since weight is one of the most important parameters controlling the performance of a helicopter, and the only one that can be controlled, this development is extremely significant," said Neeraj Gupta, Managing Director of MKU.

MKU will display solutions developed using the new technology at AAD, South Africa from 17-21 Sep and at Land Forces 2014, Brisbane, Australia from 22-25 Sep.

MKU, a leading manufacturer of armour solutions for personnel and land – air-sea platforms has been investing heavily in R&D to develop lighter solutions for helicopters. Polyshield V6 armouring solutions technology increase 'useful payload' of the helicopter without compromising on protection or mission range. It enables the pilot of a CH53 to carry at least three extra soldiers or 250kg of ammunition and provisions or 320lt of additional fuel which increases its endurance, flight radius and the rate of climb. This is especially useful in critical situations which require immediate take off from the theatre of action. It also improves overall performance as less power is required for take-off & landing.

The use of Polyshield V6 solutions increases the hovering ceiling of the helicopter which improves mission capability and reduces vulnerability.

The above findings are based on calculations made for Sikorsky CH53 helicopter having 40sqm of armoured area conforming to standards as per Stanag Level 1.

MKU was setup in 1985 and till date has provided protection to over **1.5 million** soldiers and 1500 platforms. It has, in its repertoire, 1000+ solutions covering more than 100 threats. Its products are used and trusted by 230 forces in over 100 countries including the UN and NATO. Its facilities are certified according to AS9100C.

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