

## Specification for Bullet Proof Glass

VFJ/SP/BP Glass/EN/01

dtd 18.11.23

Bullet Proof Glass is made of transparent ballistic resistant glass and conforms to the parameters as specified below-

i. Protection Level (EN 1063 BR5, AK47) –

The Bullet Proof Glass panel is able to with stand the fire of 03 rounds of 7.62 x 39 millimetre (as per EN 1063 BR5) Hard Steel Core rounds from a distance of 10 meter ( $\pm 1$  meter) and Muzzle Velocity of 700 meter/second ( $\pm 15$  meter/second) at 90-degree angle.

The Bullet Proof Glass must be certified by Terminal Ballistics Research Laboratory / National Forensic Science University, Gandhinagar and the certificate must not be older than three months from date of bid submission.

- ii. Thickness of Bullet Proof Glass panel should be 33mm ( $\pm 2$  millimetre).
- iii. No distortion in vision is to be ensured.
- iv. No de-lamination or discoloration from sunlight and ultra violet rays to be ensured.
- v. Transparency of Bullet Proof glass should be greater than 70% as per Central Motor Vehicle Rules (CMVR) and supported with a certificate from Government of India (GoI) certified laboratory.
- vi. The bullet proof glasses should ensure maximum visibility and no dead zone.
- vii. Glass Panel: BP Glass panels should be having dimensions of 1'6"x1'6" conforming to above parameters. All panels should be marked for traceability.
- viii. The bidder will have to submit test reports for sr.no i & v, as mentioned above, during bid submission.
- ix. The bidder will have to submit 02 BP Glass Panels (a per sr. no. vii) within 07 days from date of opening of bid.

  
WM/PD