

**QUESTIONNAIRE ON ACTIVE PROTECTION AND
COUNTER MEASURE SYSTEM (APS) FOR TKS**

S No	Question	Reply
1.	Is the system proposed by you capable of being installed without interfering with existing systems of the tank?	
2.	Does the system impact the functioning of the crew?	
3.	Does the system have inherent protection against splinters and small arm firing?	
4.	Can the system deflect or destroy hostile attack to protect against threats from guided missiles, RGP/RL and projectile fired at high velocity? If yes, against how much velocity of the incoming projectile can be intercepted?	
5.	Does the system have provision for future upgrades to protect against KE projectile?	
6.	What is the percentage of protection the APS proposed by you able to protect against:- (a) RPG/RLs. (b) ATGMs. (c) HEAT amn fired from 125mm Tank Gun.	
7.	Is the system resistant to jamming?	
8.	Does the system affect the sealing of tank during deep fording and NBC protection?	
9.	Are the externally fitted components of system proposed by you water tight for fording?	
10.	For how much duration can the APS proposed by you operate without switching off?	
11.	Is the system capable to withstand climate and durability test as per JS: 5555?	
12.	Does the system have safety against accidental activation?	
13.	What would be the radius of danger zone for dismounted troops from the centre of the tank?	
14.	Are the radiation waves from the system safe for human?	
15.	Is the APS proposed by you functional when the tank is static and on the move in all weather, both by day & night?	
16.	Does it have a laser warning device to detect the incoming laser?	
17.	Does the system proposed by you provide all around protection to the tank and the crew inside?	
18.	Does the system provide protection to the tank in the vertical plane? If yes then at what degree of elevation and depression is the protection provided?	
19.	Is the system capable of identifying an incoming projectile posing threat to the tank and engage only those, while avoiding accidental activation by artillery shell explosions, bullets and fragments in the vicinity?	
20.	What is the normal power consumption and operating voltage of the system during operation?	
21.	Is the system capable of detecting incoming attacks onto the tank from more than one direction? If yes, what is the minimum time different between two attacks that the system can neutralise the two, almost simultaneous incoming projectiles?	
22.	Is the system modular, able to strap on and suitable for retrofitting on the tanks without major modifications?	
23.	What is the overall weight of the system proposed by you?	
24.	Does the system have a "Built in Test Equipment"?	
25.	Does the system have multi launcher capability / auto loading to address threats from different direction simultaneously?	

RESPONSE MATRIX FOR FEASIBILITY STUDY : AFV PROTECTION AND COUNTER MEASURE SYS

Appx B

Ser No	Name of Firm	Cat (Large/MSME/Startup)	Annual Turnover	Infrastructure/ Manufacturing Capacity	Experience in R & D for Similar Projs	Existing in House R&D Capb for Similar Projs	Proposed Design	Approximate Indigenus Content by Percentage	Time Frame for Prototype Development	Approximate Prototype Development Cost	Approximate Production Capacity Per Yr for the Finalised Design	Approximate Production Cost	Any other Similar Def R&D Proj Undertaken
1	2	3	4	5	6	7	8	9	10	11	12	13	14

Any other Similar Def R&D Proj Undertaken	Your Concurrence for Participating Under Make-II	Proposed Model (Fully Indigenus/ JV/ TOT)	DIPP License	Explosive License	GSTIN No	List of core Technologies being Indigenised	IPR Holding	Remarks
15	16	17	18	19	20	21	22	23