BRIEF

‘INTEGRATED AIR DEFENCE COMBAT SIMULATOR’ (IADCS)

1. **Name of Proposal**. Integrated Air Defence Combat Simulator ( IADCS)

2. **User Directorate**. Army Air Defence Directorate (AAD-12 ).

3. **Estimated Quantity**. Being ascertained .

4. **Estimated Cost**. The vendor has indicated Rs 8-9 Crores as the cost of development .

5. **Op Justification of Proposal (Including Quantity being Sought)**.

(a) Training of AD crew (Gun & Missile) is challenging due to peculiar requirements of large field firing ranges & expensive target systems (aeromodels /pilotless training aircraft etc). Use of Simulators provide effective training especially at the unit level which not only are cost effective but also result in saving time and reducing move of troops (to far flung ranges). Present simulators are outdated and may not provide desired feel of operational/combat experience to the AD crew, therefore the need to exploit newer generation systems for the same.

(b) The proposed Integrated Air Defence Combat Simulator ( IADCS) utilises latest technology and is likely to provide a comprehensive training solution at the unit level.

(c) The vendor has proposed two versions namely ‘Virtual’ (indoor) and ‘Live’ (outdoor) Simulator. Considering existing requirements, ‘Live Simulator’ version is recommended for procurement.

6. **Technical Parameters**. Parameters of the ‘Live version’ are as fwg:-

(a) Environmental specifications.

(i) Operating Temperature: -5 to 500 C (outdoor system)

(ii) Storage Temperature: -5 to 550 C.

(b) Drones simulating air targets.

(c) Solid state Laser and Sensor for quantified assessment of fire.

7. **Indigenous Content**. > 80%.

8. **Additional Information (If any)**. Vendor had presented the proposal, briefing the Directorate on various aspects of the proposed IADCS. Certain issues conveyed to the vendors are as below:-

(a) Broad requirements specific to training of Gun crews.

(b) The proposed simulator system includes replicas of guns and radars. Only ‘Gun’ replicas are recommended to be included.

(c) The proposed system includes simulation of Command Post and C&R System which is not required presently.