

BRIEF

MOUNTAIN RADAR (AIR DEFENCE FIRE CONTROL RADAR)

1. Name of Proposal. Mountain Radar (Air Defence Fire Control Radar)
2. User Directorate. Army Air Defence Directorate (AAD-9).
- ~~3. Estimated Quantity. It is approximately 1000 units.~~
4. Estimated Cost. The vendor has indicated Rs 25 Crores as the cost of development.
5. Op Justification of Proposal (Including Quantity being Sought). There is a requirement for the replacement of the existing Air Defence Fire Control Radar (ADFCR) system presently held with Army Air Defence.
6. Technical Parameters. The broad specifications of Mountain Radar required for deployment in mountains is as under :-

S No	Parameter	Mountain Radar
(a)	Type of Antenna- Search Radar	Active Phase Array Antenna/Latest Technology.
(b)	Search Range	20-25 kms
(c)	Type of Antenna- Track Radar	Latest Technology as per vendor solution
(d)	Tracking Range	10-12 km (Target RCS $\leq 1m^2$) 06-08 km (Target RCS $\leq .05m^2$)
(e)	Camera Tracking	Desirable
(f)	Approx Indigenous Content	>40%
(g)	Weight	5-6 Tons

7. Indigenous Content. > 40%.

8. Additional Information (If any).

(a) Mountain Radar weighing 5 to 6 tons (to include weight of the vehicle) and capable of being transported and deployed in mountainous terrain, is undergoing operations evaluation.

(b) The system should be able to control fire of three existing Air Defence Guns.

