

## DIRECTORATE OF AVIATION, GOVT. OF M. P., BHOPAL

### GUIDELINES & PARAMETERS FOR THE CONSTRUCTION / EXTENSION / REPAIR OF AIRSTRIPS IN MADHYA PRADESH.

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The following parameters are hereby established for the construction/ extension / repair to airstrips of Madhya Pradesh.

1. RUNWAY: A minimum length of 6000 ft by 100 ft width available for take-off run. The length should be extendible by 1,000 ft to 1,500 ft for the operation of pure jet aeroplane. This runway dimensions should be adequate for up to Boeing 737, as well as most executive jet type of aircraft with adequate fuel reserves from Bangluru, Kolkatta, Chennai, Delhi, Mumbai etc.
2. OVERRUN AREA: A minimum of 1000 ft overrun available on both ends of the runway. These areas are to be kept level with the runway free of any undulations, trees, bushes, wires and any other obstructions etc.
3. LONGITUDINAL GRADIENT: Level surface with longitudinal gradient not to exceed 1%.
4. DUMB BELL: Turning area of 75 ft. diameter for the aircraft on the left hand side at either end of the runway.
5. APRON: This area is required to clear the runway for disembarking of the passengers and parking of the aircraft. A hard standing of 200 ft by 200 ft approximately 200 ft away from the shoulder of the runway. The terminal building shall be constructed adjoining the Apron.
6. TAXIWAY: A path of 75 ft width from the runway to the apron.
7. SHOULDERS: A 10 ft wide area running parallel to the runway length on either sides of the runway. These areas are to be kept level with the runway free of any undulations, trees, bushes, wires of any other obstruction etc. A top coat of 6 inches of murum be spread on the shoulders periodically to prevent erosion during monsoon season.
8. Clear approaches on both the ends of the proposed runway, minimum 1.2% gradient.

Continued-2

9. No unusually high obstructions within a radius of five nautical miles (approx. 10 kms) of the proposed site.
10. Easy accessibility from the nearest habitat.
11. Construction viability technical from the P.W.D point of view.
12. Clear of Defence Installation and any other notified Prohibited / Restricted areas.
13. Approaches to the proposed airstrip not over flying any Wildlife Sanctuary so as to agitate the wildlife to prevent their stampeding.
14. Preferably a boundary wall or else barbed wire fence around the airstrip to prevent encroachments and cattle hazard during flying operations.

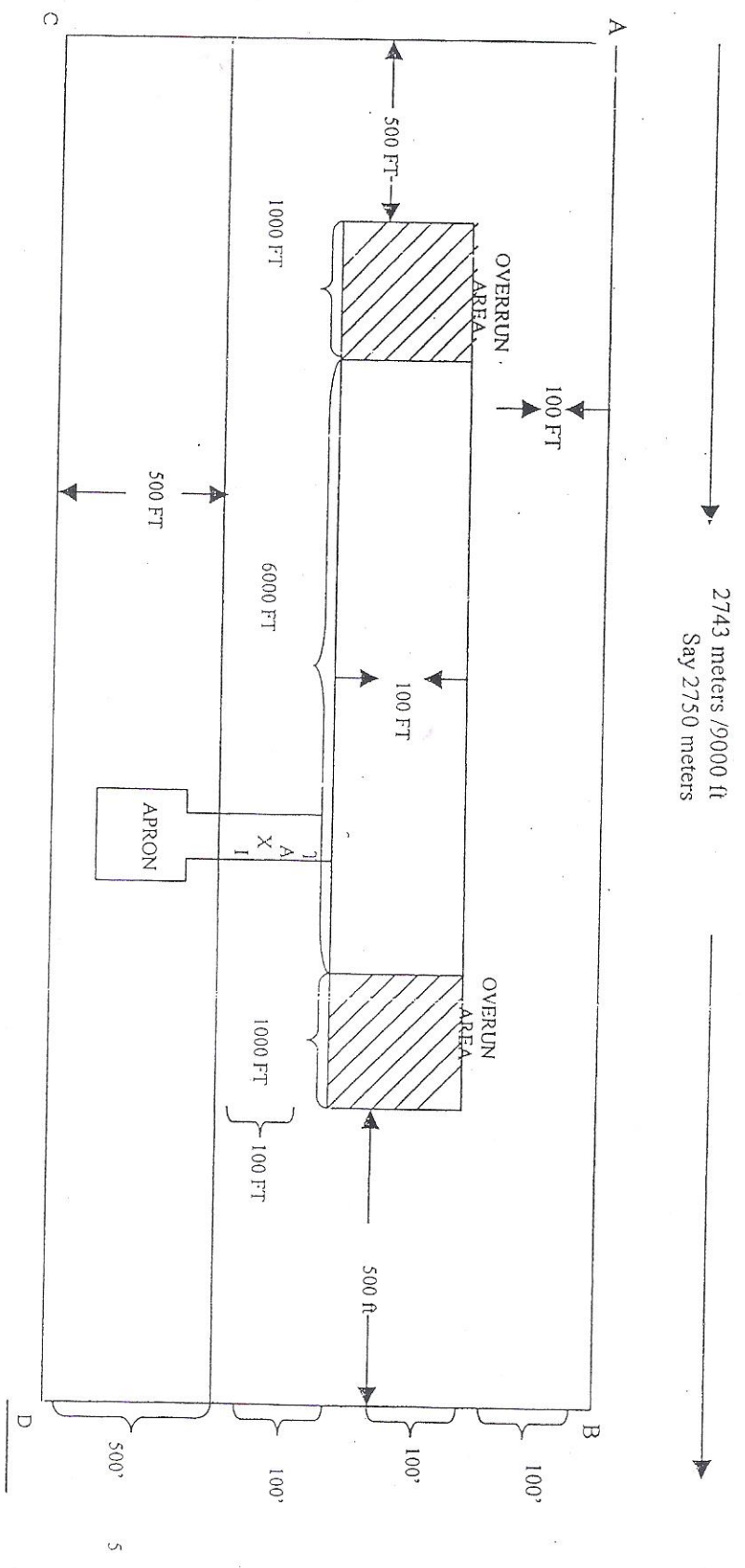
Deviations, if any from the above mentioned details should be approved by this office in specific cases.

Attending to the details with regard to construction, marking, provision of safety services, communication and navigation facilities, layout of the passengers handling area, intimation to the related organisations by the Central Government would be done by this office subsequent to the finalisation of the site.

Dated: 4.8.2011  
Place : Bhopal

  
(Arun Kocher) IAS  
Director Aviation

PROPOSED LAYOUT FOR THE CONSTRUCTION OF AIRSTRIP  
IN EACH DISTRICT OF STATE

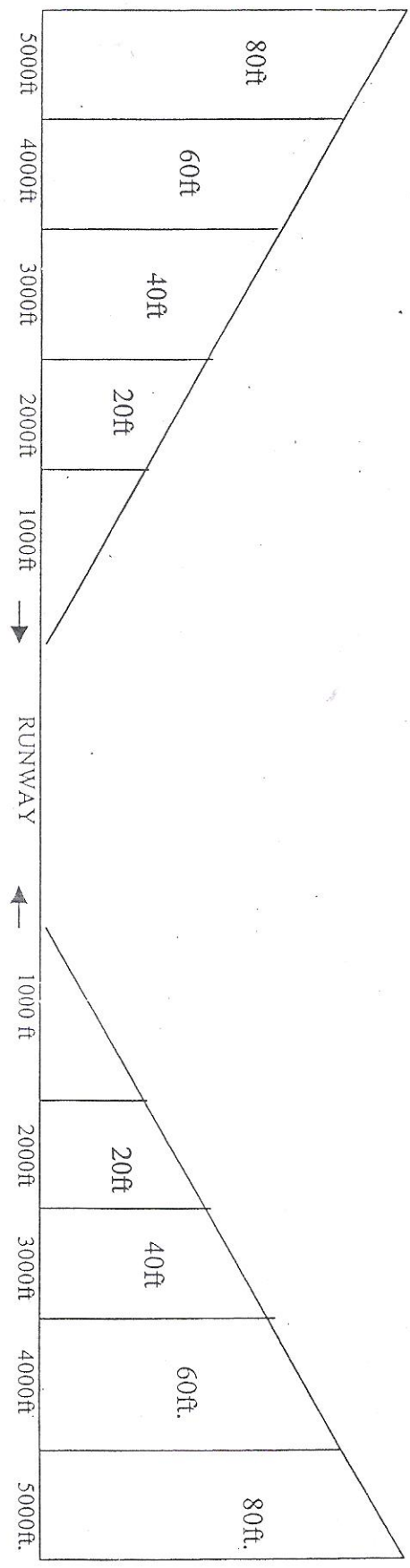


The total area required for ABCD = 2750 x 245 meters (9000 X 800 ft)

800 ft  
Or  
243.9  
say 245 meters.

*[Handwritten signature]*

### OBSTACLE CLEARANCE AROUND THE AIR STRIP



NOTE: No obstacle/ construction/ high tension lines should exist above the heights detailed above up to 5000 ft from either end of the airstrip and the same shall be applicable at the similar ratio (1.2%) for additional distance longitudinally from the airstrip.