

TECHNICAL SPECIFICATION OF AVIATOR WATCH - DP-5

Ser	Fact/Parameters	Technical Specification	To be filled by Principal/ Manufacturer
PART – 1 GENERAL SPECIFICATION			
1.	General		
	a. Nomenclature	Aviator Watch	
	b. Brand Name	To be mentioned	
	c. Model	To be mentioned	
	d. Country of Origin	Group A or B	
	e. Country of Assembly and Manufacture	Group A or B	
	f. Year of Manufacture	Not before the calendar year of contract	
	g. Name, Address, Contact Number, Website/ E-mail Address of the Manufacturer	To be mentioned	
	f. Name, Address, Contact Number, Website/ E-mail Address of the Principal	To be mentioned	
	h. Name, Address, Contact Number, Website/ E-mail Address of the Local Agent	To be mentioned	
PART – 2 TECHNICAL SPECIFICATION			
2.	Strap Material	Silicone or Leather strap	
3.	Lens Material	Corning® Gorilla® Glass 3 or Sapphire Crystal	
4.	Bezel Material	Stainless steel or Titanium	
5.	Case Material	Fiber-reinforced Polymer with stainless-steel or Titanium rear cover	
6.	Quick Release Bands	Yes 20 mm or 22 mm	
7.	Physical Size	Must Fit wrists with a circumference of 125-190 mm	
8.	Weight	To be mentioned	
9.	Display	AMOLED Display	
10.	Display Size	Minimum 1.3" (33.0 mm) diameter or more	
11.	Display Resolution	Minimum 416 x 416 pixels	
12.	Color Display	Must have color display	
13.	Clock Feature	Following clock feature to be available: a. Time. b. Date. c. Stopwatch. d. Timer. e. GPS Sync.	
14.	GPS	GPS, Glonass and Galileo to be available	
15.	Sensors	Following sensors to be available: a. Barometric Altimeter. b. Compass. c. Gyroscope. d. Accelerometer e. Ambient Light Sensor.	
16.	Worldwide Airport Database(S)	To be available	



FOR OFFICIAL USE ONLY

Ser	Fact/Parameters	Technical Specification	To be filled by Principal/ Manufacturer
17.	Altimeter with adjustable Baro Setting	To be available	
18.	3-Axis Compass with Horizontal Situation Indicator (HSI)	To be available	
19.	Multiple Time Zones With Zulu/Utc	To be available	
20.	Moving Map with Aviation Airports, Nav aids, Roads, Bodies of Water	To be mentioned (if available)	
21.	Waypoint Information Page	To be available	
22.	Worldwide Navaid And Intersection Database(S)	To be available	
23.	Direct-To Navigation with Horizontal Situation Indicator (HSI)	To be available	
24.	In-Flight Pulse Oximeter	To be available	
25.	Aviation Alerts	To be mentioned	
26.	Mos & Meteogram	To be mentioned	
27.	Fly Activity Emergency Mode	To be mentioned	
28.	Density Altitude Calculator	To be mentioned	
29.	Metar (Meteorological Aerodrome Report)	To be available	
30.	Taf (Terminal Aerodrome Forecast)	To be available	
31.	Connectivity	Following wireless connectivity to be available: a. Bluetooth. b. ANT+. c. WiFi.	
32.	Storage Capacity	To be mentioned	
33.	Smartphone Compatibility	Must be compatible with iPhone® and Android™ version Smartphone	
34.	Smartphone Notifications	To be available	
35.	Smart Features	To be mentioned	
36.	Health Features	To be mentioned	
37.	Power Supply System		
	a. Number and Type of Battery	To be mentioned.	
	b. Battery Life	Minimum 20 hours with fly activity.	
	c. Charger and cable	Charging cable/ Data cable with Compatible AC Adapter to be provided	
38.	List of Standard Accessories	List to be provided	
39.	List of Optional Accessories	List to be provided	
40.	Model Validity	Minimum 10 years	
41.	Warranty	Two year after issuance of I/Note	
42.	Duration of after sales svc support	Minimum 10 years	
43.	Books and Publications		
	a. Owners /Operators manual in English (Book type)	01x hard copy with soft copy	
	b. Workshop/Repair and Maintenance manual in English (Book type)	01x hard copy with soft copy	
	c. Troubleshooting Manual: Fault Isolation Manual.	01x hard copy with soft copy	
	d. Manuals: all components / parts of the system	01x hard copy with soft copy	



FOR OFFICIAL USE ONLY

Ser	Description	Technical Specification	To be filled by Principal/ Manufacturer
<u>TRAINING REQUIREMENT</u>			
44.	Operational Training	As per requirement of user Directorate	
45.	Repair and maintenance training	As per requirement of EME Directorate	
46.	Inventory control management training	As per requirement of Ordnance Directorate	
<u>PART – 4 REPAIRS AND MAINTENANCE REQUIREMENT LESS LIST OF SPARES</u>			
47.	Measuring & testing set, fault finding equipment and diagnostic set	List to be provided (As per requirement of EME Directorate)	
48.	Special Service Tools (SST)	List to be provided (As per requirement of EME Directorate)	
49.	Special Service Material (SSM)	To be provided (As per requirement of EME Directorate)	
50.	Maintenance tools requirement for 3 rd line maintenance	Details to be mentioned	
51.	Repair and maintenance: Supply of spares cost to cost basis till the life time of the system	Details to be confirmed	
<u>PART – 5 LISTS OF SPARES</u>			
52.	Spare parts list (Fast and Slow Moving Spares)	To be provided	
53.	List of consumable items	To be provided	
<u>PART – 6 TOOLS LIST FOR DIFFERENT LEVEL OF MAINTENANCE</u>			
54.	Measuring & Testing set, Fault Finding equipment, Diagnostic Set, SST and SSM	To be provided as per the list of Part 4 (if applicable)	
<u>PART – 7 FINANCIAL ASPECTS</u>			
55.	Financial Implication/ Specifications	To be provided	

