

DIFM for R-118/RWR SYSTEM

SI No	Details	Comments
1	Nomenclature/ Part No/ GIG Number	DIFM for R-118/ RWR SYSTEM/ 455611130120/1301859
2	Year of Procurement/ Source	2018 / BEL (BC)
3	Fleet/ Sub System/Wpn System	RWR System
4	Technical Applicability/ Broad Purpose	The DIFM is a DFD (Digital Frequency Discriminator) and its purpose is to measure the frequency of incoming radar signals. Its frequency coverage is 2 GHz to 18 GHz for R-118 for Tarang RWR and 1 to 18 GHz for R-118 RWR
5	Technical Specifications (attach as separate sheets)	Attached
6	Publication Details (attach as separate sheets)	Tech Manual Part I, Vol II
7	Photograph of Equipment(attach as separate sheets)	Attached
8	Brief Description	DIFM is an instantaneous frequency measuring receiver whose frequency coverage is 2 GHz to 18 GHz. The unit measures pulsed & CW signals and outputs frequency data with nominal 12-bit resolution. The RF input connection is made via an SMA connector and the data output connection through a miniature D-type connector. It is a mission critical and airborne SRU. At present, it is sent to BEL, (BC) the OEM for repair. The Turn Around Time (TAT) is very high (as high as nine months). Hence, if an alternate source of supply is

		developed in India, it will help reduce TAT with availability of alternate source. As on date 20DIFM for R-118 are under PHU which is severely affecting the operational availability R-118 RWR
9	Classification of Equipment- LRU/Testers/ Ground Equipment/ Role Equipment (Electrical, Electronics, Mechanical, Software based etc.):	Shop Replaceable Unit (Electronics)
10	Previous Repair History	Nil
11	Criticality (Priority I, II or III)	Mission Critical
12	Requirement: Repair or Indigenisation or both?	Indigenisation
13	Quantity Required (One time/ Annual)	75 as on date and 70 over next three years
14	Sample Availability	Yes
15	Scale/ Deficiency	Scaled
16	If deficient - How deficiency is being plugged?	N/A
17	SPOC	SPE Indg 12 BRD

Photograph

