

Council of Scientific and Industrial Research NATIONAL AEROSPACE LABORATORIES

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CORRIGENDUM/ADDENDUM-2

Tender No. NAL/PUR/ALD/037/19-Z

Tender ID: 2012_CSIR_28444_1 Dated 05-July-2019

In continuation of CSIR-National Aerospace Laboratories Tender No. NAL/PUR/CFD/037/19-Z Dated 05-July-2019 & the pre-bid meeting minutes dated. 19-july-2019 for "Design, Development, Testing & Certification of Engine Monitoring Display Unit (EMDU) for HANSA NG towards Integration and Indigenization", kindly note the other Information on Technical Speciation, as detailed below: -

SI.No	Query	Clarification
1	Operating pressure at 55000'; to be verified from NAL	As per D0160 CAT A1; Decompression test shall be as per D0160 sec 4.6.2
2	DO-160, Short-Time Operating Low Temp. is -40C. During this can the display be off	Display should be ON for Short-Time Operating Low Temp.
		System targeted to operating with both 14vdc and 28vdc aircraft equipment.
3	Operating voltage as per tender notice is 9V-32V, but in DO-160 the minimum voltage is 18V. In this case DO-160 voltage levels will be considered	HANSA aircraft operates with 14vdc systems, so required min. operating voltage will be 9V. As per DO 160, Tests levels for 14vdc equipment are half those shown for 28vdc equipment.
4	Motor drive +12V and -12V should be verified if this is only polarity reversal of output pins and not ±12V W.R.T. ground	Yes it is polarity reversal of output pins
5	Page-39; Point-10 in tender notice: Industry practice is 5years. Cannot give a written commitment for 10 years of component availability	Bidder shall take the responsibility to manufacture the system/ components for next 10 Year.
6	DO-160 tests can be done in NAL	No, Bidder has to take care of qualifying for DO160
7	Hardware will follow DAL-D process	DAL-C process to be adopted.
8	'LCD brightness of 600fL' is it 600nits	Yes, it is 600nits

Other clauses of the bidding document remain unchanged.

Stores & Purchase Officer