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**Council of Scientific and Industrial Research
NATIONAL AEROSPACE LABORATORIES**

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Date: 19-Aug-2020

ADDENDUM

Tender No. NAL/PUR/ALD/580/19-Z
Tender ID: 2020_CSIR_52134_1 Dated 06-Jul-2020

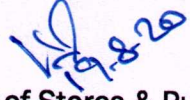
In continuation of CSIR-National Aerospace Laboratories Tender No. NAL/PUR/ALD/580/19-Z Dated 06-Jul-2020 for **“Fabrication, wiring, Integration, Testing and Installation of Avionic test rig instrumentation Racks,”**, the additional information/clarification may be read as under: -

Clause No.	Query	Additional information /clarification
1	“Error reference source not found ” found all the clause	DOC corrected appended below
2	Clause 4.2.3.2 page no - 42 Ground floor to Mezzanine floor cable harness length details required	Approximately 20 feet
3	Clause no 4.2.6.2.3 page no-49 For the connector end required any boot and band it?	Boot may be provided otherwise from the connector heat shrink sleeves may be provided on the harness
4	Clause no 4.2.6.2.3 page no- 49 For the fabrication of the cable looms to be cover with HS tube (Heat shrinking tube) or Nylon Expandable Braided Sleeve?	Nylon Expandable Braided Sleeve
5	Clause 4.2.6.3 page no- 51,table 4 and SI no 1,2,3,6,7,8,9 and 13 Part number and manufacture details required	All the part no and model no will be provided once bid is selected
6	Clause 4.2.6.3 page no- 51,table 4 and SI no 45 “Interconnection Loom” – For the fabrication of the loom NAL will be provided the cable or not?	To fabricate loom NAL will provide cables



Clause No.	Query	Additional information /clarification
7	Clause 4.2.6.3 page no- 51, table 4 and SI no 45 "Interconnection Loom" - Required length for the cable loom	To fabricate loom NAL will provide cables, and length is based on rack arrangements
8	Clause 4.2.6.3 page no- 51, table 4 and SI no 46,47,48,50,51,52 Part numbers and manufacture and specification details required	All the part no and model no will be provided once bid is selected
9	Clause 4.2.6.3 page no- 51 switches type and current ratings, Voltage ratings	All the part no and model no will be provided once bid is selected
10	Clause 4.2.6.3 page no- 15 Mechanical drawings and Hardware details required	All the part no and model no will be provided once bid is selected
11	Miscellaneous found in the list deliverable details and BOQ	No clarity on this comment
12	Clause 4.6 page no- 59 Installation and commissioning for the testing - Required Man days details	Will be provided once bid is selected
13	For AMC -Including material or Only Man power	No AMC

Other clauses of the bidding document remain unchanged.


Controller of Stores & Purchase
For and on behalf of CSIR

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Controller of Stores & Purchase
एरोस्पेस आइ-आर-एनएसी प्रयोगशालाए
CSIR-National Aerospace Laboratories
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PAGE NO	SECTION	WAS	CHANGED TO
38	4.2.1.1	For Acronyms and Abbreviation Refer Error! Reference source not found..	For Acronyms and Abbreviation Refer Error! Reference source not found.
39	4.2.3	The top-level architecture of Avionics Integration Test Rig is as shown in Error! Reference source not found.. The Avionics Integration Rig (AIR) shall be designed to use as system integration platform for functional testing of SARAS Mk II avionics system in lab environment.	The top-level architecture of Avionics Integration Test Rig is as shown in. The Avionics Integration Rig (AIR) shall be designed to use as system integration platform for functional testing of SARAS Mk II avionics system in lab environment.
40	4.2.3.2	The proposed Avionics Integration Rig layout is as shown in Error! Reference source not found. and detailed layout of the Rig is as shown in Error! Reference source not found. and Error! Reference source not found.. The layout proposed in these figures are indicative in nature and Bidder can also propose any other possible schemes (layout LRU arrangement interfaces in the racks etc.) to CSIR-NAL.	The proposed Avionics Integration Rig layout is as shown in Error! Reference source not found. and detailed layout of the Rig is as shown in Error! Reference source not found. and Error! Reference source not found. and Error! Reference source not found.. The layout proposed in these figures are indicative in nature and Bidder can also propose any other possible schemes (layout LRU arrangement interfaces in the racks etc.) to CSIR-NAL.
46	k	The Rig shall have provision to mount the aircraft LRUs as listed in Error! Reference source not found..	The Rig shall have provision to mount the aircraft LRUs as listed in Error! Reference source not found..
46	m	Bidder shall develop mounting platform with the exact dimension as provided by OEM for the installation of LRUs in the Rig. Detailed information including weight and volume of LRUs are given in Error! Reference source not found.	Bidder shall develop mounting platform with the exact dimension as provided by OEM for the installation of LRUs in the Rig. Detailed information including weight and volume of LRUs are given in Error! Reference source not found.
47	4.2.4.3-b	Maximum score and weightage against each evaluation criteria is mentioned in the Error! Reference source not found. and shall be uniform for all bidders.	Maximum score and weightage against each evaluation criteria is mentioned in the Error! Reference source not found. and shall be uniform for all bidders.
47	4.2.5.1-c	NAL shall provide DC power supply distribution units. (Refer Rack 3 in Error! Reference source not found. for DC power distribution units).	NAL shall provide DC power supply distribution units. (Refer Rack 3 in Error! Reference source not found. for DC power distribution units).
48	4.2.5.2.-note	Note: Bidder shall refer Error! Reference source not found. and Error! Reference source not found. for details of BOM and BIBO patch panel details.	Note: Bidder shall refer Error! Reference source not found. and Error! Reference source not found. for details of BOM and BIBO patch panel details.
48	4.2.6.1-a	Bidder shall fabricate the BIBO panels for each LRU as per as per drawings provided by NAL (refer Error! Reference source not found. for BIBO panel details).	Bidder shall fabricate the BIBO panels for each LRU as per as per drawings provided by NAL (refer Error! Reference source not found. for BIBO panel details).



48	4.2.6.1.1-g	The signals required to pass through BIBO panel are provided in Error! Reference source not found..	The signals required to pass through BIBO panel are will provided NAL.
49	4.2.6.2.3-c	The electrical loom shall be according to LRUs listed in Error! Reference source not found. and layout of LRUs is as specified in Error! Reference source not found. and Error! Reference source not found. Detailed ICD/drawing shall be provided by NAL after the selection of bid.	The electrical loom shall be according to LRUs listed in Error! Reference source not found. and layout of LRUs is as specified in Error! Reference source not found. and Error! Reference source not found. Detailed ICD/drawing shall be provided by NAL after the selection of bid.
50	4.2.6.3	Deliverables and BOM are as provided in Error! Reference source not found.	Deliverables and BOM are as provided in Error! Reference source not found.
53	Table 5	Patch panel details with location in respective rack are as provided in Error! Reference source not found..	Patch panel details with location in respective rack are as provided in Error! Reference source not found. Error! Reference source not found.
55	4.2.9-a	Bidder shall meet the program schedule mentioned in Error! Reference source not found.	Bidder shall meet the program schedule mentioned in Error! Reference source not found. Error! Reference source not found.
60	Table 7-a-1	Fabrication of BIBO (Please refer Sl. No. 1 to 44 & 46 to 62 in Error! Reference source not found.)	Fabrication of BIBO (Please refer Sl. No. 1 to 44 & 46 to 62 in Error! Reference source not found.)
60	Table 7-a-2	Fabrication of loom for the interconnectivity (Please refer Sl. No. 45 in Error! Reference source not found.)	Fabrication of loom for the interconnectivity (Please refer Sl. No. 45 in Error! Reference source not found. Error! Reference source not found.)
60	Table 7-a-3	Integration of BIBO and wiring to 19" Racks (Please refer Sl. No. 45 in Error! Reference source not found.)	Integration of BIBO and wiring to 19" Racks (Please refer Sl. No. 45 in Error! Reference source not found.)

