भारत सरकार Government of India
अंतरिक्ष विभाग Department of Space
विद्युत प्रकाशिकी तंत्र प्रयोगशाला
LABORATORY FOR ELECTRO-OPTICS SYSTEMS
प्रथम स्टेज,प्रथम क्रॉस /1ST STAGE, IST CROSS,
पीण्या औद्योगिक सम्पदा/ PEENYA INDUSTRIAL ESTATE,
बेंगलुरु /BENGALURU-560 058.
दूरभाष सं°./ Phone No.080 28398836
फ़ैक्स सं/ Fax No:080-28391964
ई मेल : Email:purchase@leos.gov.in

Ref :लियोस / LEOS/ पी टी /PT/30/2024-25 / दिनांक / Dated 10 Jan. 2025.

संशोधन संख्या : CORRIGENDUM NO.1 / निविदा विज्ञापन संदर्भ सं /TO TENDER ADVERTISEMENT REF. NO: LEOS/PT/26/2024-25 दिनांक / Dated 29 Nov. 2024

विषय / Subject: LE202400033601 **FOR Test Console for sensor processing electronics.**

कृपया उपरोक्त निविदा को इसरो, ई-पोर्टल के दिनांक 29/11/2024
Kindly refer the subject e tender published in ISRO e portal dated 29.11.2024

अधोहस्ताक्षरी के द्वारा उक्त निविदा में निम्नलिखित परिवर्तन अधिसूचित किया जाता है।
The undersigned hereby notify the following changes in the subject e tender.

निविदा संख्या / Tender No	LE202400033601
विवरण Description	Test Console for sensor processing electronics

क्रम सं Sl. No	बदले में In Place of	यथा परिवर्तित Read As
1	Bid Submission Due Date : UP TO 09-01-2025 AT 17.00 Hrs (IST)	Bid Submission Due Date : UP TO 17-01-2025 AT 17.00 Hrs (IST)
2	बोली खोलने की तिथि / Bid Opening Date : ON 10-01-2025 AT 10.30 Hrs (IST)	बोली खोलने की तिथि / Bid Opening Date : ON 20-01-2025 AT 10.30 Hrs (IST)
3	मूल्य बोली खोलने की तिथि / Price Bid Opening Date : ON 17-02-2025 AT 10.30 Hrs (IST)	मूल्य बोली खोलने की तिथि / Price Bid Opening Date : ON 17-02-2025 AT 10.30 Hrs (IST)

S.no	Corrigendum
1	LEOS Software details • The device driver should be compatible with the PCI card to be used for MIL-STD-1553 data communication. • It will read the data from PCI card memory location and will transmit data to LEOS Software as Message Queue (Standard Inter Process communication protocol). • The details of MIL-STD-1553 Sub address and word details should be user configurable and device driver should take those details as input file. ➢ Source code of device driver along with deliverables to be provided for future modification.
2	Current required for 29V pulse ~60mA

<table>
<tr><td>3</td><td><u>Dual Output Power Supply:</u> Output1 will be either 70V or 42V. _Output2 will be 28-32V. Any given time both output1 and output2 will be ON
<table>
<tr><th></th><th>Voltage</th><th>Current rating</th></tr>
<tr><td>Output 1
• Raw Bus Supply</td><td>28V to 72V based on user requirement. (Overvoltage and undervoltage protection should be available)</td><td>>3A for all condition (Overcurrent protection should be available)</td></tr>
<tr><td>Output 2
• Console Supply
• Also for 29V/5V Command pulse generation</td><td>28V to 32V based on user requirement. (Overvoltage and undervoltage protection should be available)</td><td>>1A for all condition (Overcurrent protection should be available)</td></tr>
</table></td></tr>
<tr><td>4</td><td>The connector named “Arduino” to be read as “USB”.</td></tr>
<tr><td>5</td><td>The wire gauge for all the interface shall be 26AWG</td></tr>
<tr><td>6</td><td>In sec 6.0 d) , the sentence, “The Data that arrives from the sensor should be copied from kernel memory to user memory.”, to be read as : “There should not be any data miss while capturing 1553 data and vendors should design it accordingly.”</td></tr>
<tr><td>7</td><td>No Analog telemetry will be required.</td></tr>
<tr><td>8</td><td>All Data logging is required along with provision to start and Stop.</td></tr>
<tr><td>9</td><td>Grounding scheme detail is provided in Fig 1</td></tr>
<tr><td>10</td><td>Signals to be verified
a) Raw Bus Supply at package connector end.
b) 5V/29V Telecommand voltage waveform.
c) Current stimuli setting using software and measurement using multimeter.
d) All MIL-STD-1553 signal levels is the corresponding pins.
e) All MIL-STD-1553 Transmit and Receive sub address data.
f) Data log file and extraction of the logged data.</td></tr>
<tr><td>11</td><td>Rack shall be of convenient height (1m-1.3m approx)</td></tr>
<tr><td>12</td><td>Connectors can be of industrial grade</td></tr>
<tr><td>13</td><td>Delivery of 1 unit shall be within 5 months after PO release.
However all 5 units delivery should be completed by 6 months after PO release</td></tr>
</table>

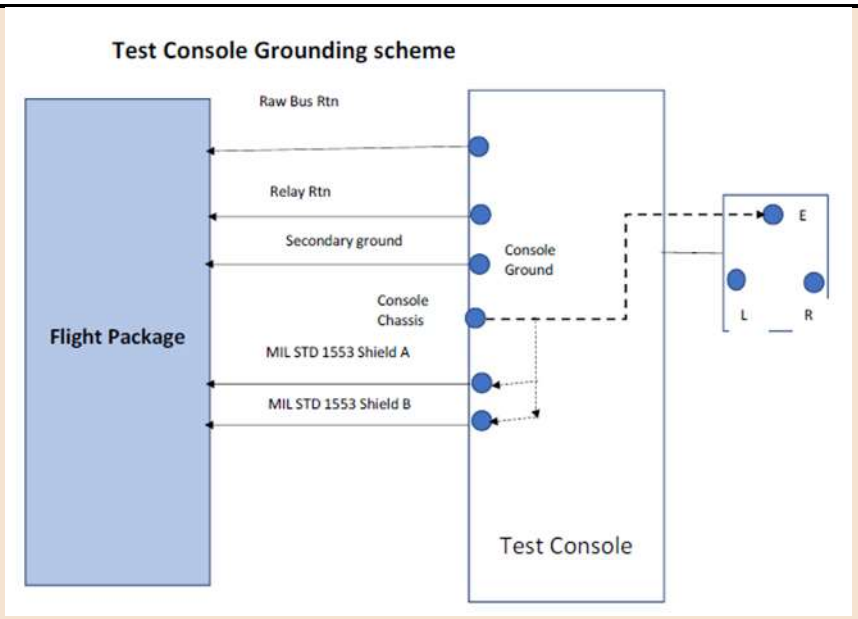

Fig 1 Test console Grounding scheme

Test Console grounds are shown as above

1. Raw Bus Rtn to be connected to package and no grounding will be inside console. Outside connections should be there for external grounding.
2. Relay Rtn to be connected to package and no grounding will be inside console. Outside connections should be there for external grounding.
3. Console ground will be connected to package ground and also connected to all console internal ground.
4. Console ground will not be connected with console chassis and connection should be possible from outside.
5. 1553 shield should be connected to package as well as console chassis.
6. Chassis will be connected to earth pin of power supply.
7. All metal part of the console should be connected with chassis.
8. Provisions should be there for connecting console ground with console chassis with external connection.
9. All grounding points should be nearby so that easy grounding is possible.

मूल निविदा सूचना की अन्य सभी नियम और शतें अपरिवर्तित रहेगी।

All other terms and conditions of the original tender notice shall remain unchanged.

Sd/-
क्रय एवं भंडार अधिकारी
Purchase & Stores Officer
कृते एवं वास्ते भारत के राष्ट्रपति,क्रेता
For & on behalf of President of India,
The Purchaser