



**NATIONAL INSTITUTE OF TECHNOLOGY KARNATAKA,
SURATHKAL, SRINIVASNAGAR, MANGALORE-575025**

Date: 16-08-2022

Corrigendum No. 01

With reference to the Bid for "UAV Spare Parts" for Ref. Number: **NITK/CSD/2022/VLAB-2/UAV-SP/PU-88** Dated: **02-08-2022** please note the following:

Additions/Corrections to Technical Specification:

ADS-B Carrier Board (1 No)

32bit ARM® STM32H753 Cortex®-M7 (with DP-FPU, 400 Mhz/1 MB RAM/2 MB Flash, 32 bit STM32F103 failsafe co-processor, Three redundant IMUs (Accelerometers/Gyroscopes), Two Barometers, One Magnetometer, ICM 20649 integrated accelerometer / gyro, MS5611 barometer on baseboard, InvenSense ICM20602 IMU, ICM20948 IMU/MAG, MS5611 barometer on temperature controlled, vibration isolated board, All sensors connected via SPI.

GPS with RTK BASE COMBO module (1 No)

Receiver Type : u-blox M8 high precision GNSS modules (M8P), Satellite Constellation : GPS L1C/A, GLONASS L1OF, BeiDou B1I, Positioning accuracy : 3D FIX: 2.5 m/RTK: 0.025 m, Processor : STM32F302, IMU sensor : ICM20948, Navigation Update Rate Max : 8Hz, Communication Protocol CAN, Operating Temperature : -40°C to 85°C.

2.4GHz Radio signal Transmitter and Receiving Unit (1 No)

16 (ACCST D16) / 24 (ACCESS) channels. Internal RF module : ISRM-N, Operating Voltage (VDC): 6.5~8.4, Current Consumption (mA): 160mA@7.2V, Available Port: Smart Port, Micro SD card slot, Mini USB Port and DSC Port.

2.4GHz Radio Signal Receiving (1 No)

Number of channels: 16 (ACCST D16), RSSI Output (DC Analog): 0~3.3V, Servo Frame Rate: 9ms/18ms, Operating Voltage (VDC): 3.5~10V, Max. Operating Current (mA): 100mA@5V, Operating Range: Full Range (>1.5km).

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16/08/2022

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