



राष्ट्रीय प्रौद्योगिकी संस्थान, मणिपुर
NATIONAL INSTITUTE OF TECHNOLOGY, MANIPUR
Langol Campus, .Ph. (0385) 2445812 / email: - nitmn@nitmanipur.ac.in
An Autonomous Institute under MHRD, Govt. of India

CORRIGENDUM
Imphal, 20th March, 2019

**Subject: NIT Manipur TEQIP-III advertisement No. TEQIP-III/2019/nitm/shopping/87
Sr. No. 2 dated 21.02.2019 for the supply of Civil Lab Equipments at NIT Manipur.**

NITM.1/(227-TEQIP-III)/2019 (PART 1)(Pf)- In partial modification to the above referred Advertisement, it is hereby notified for information to all the prospective/potential bidders that there is some changes in the specification of items, last date of submission extended till 6th April 2019 and can be obtained from the institute website at www.nitmanipur.ac.in.

Revised Equipment Specification stands as in Annexure I

Other terms and conditions of the tender document will remain unaltered.

(Dr. Kh. Manglem Singh)
Registrar (i/c), NIT Manipur

Copy to:

1. PS to the Director, NIT Manipur
2. TEQIP-III, Nodal Officer (Procurement)
3. Technical Officer, NIT Manipur for uploading in website
4. CF/GF.

Specifications for UAV

Type - Fixed wings with or without VTOL.

Flight operation - Automatic 3D flight Planning Should work in PPK mode.

Geometric quality of Images - Should be capable of providing Geo-referenced image without GCP requirement.

Camera to be supplied - S.O.D.A RGB 20 megapixels or more & Multispectral (Bands Green, Red, Red Edge and Near infrared).

Area covered in one battery charge: (@Flying Height 400 ft) - At least 300 hectares.

Ground Sampling Distance - 1.2 cm or less

Absolute X, Y, Z accuracy (PPK activated mode) - 3 cm or higher

Absolute X, Y, Z accuracy (no PPK, no GCPs) - 1m to 5 m

Dust & shock protection – Yes

Wind resistance 30-45 km/hour or higher

Cruise speed - 40 km/h or higher

Minimum flight time in one battery charge - At least 50 minutes

Radio communication link with base station At least 3 Km

Automatic landing Required with around 5-6 m accuracy

SOFTWARE

1. Flight planning & control software
2. Image processing software (Photogrammetric)
3. Accessories: Battery (extra), Wings (extra), Propellers (extra).
4. Any other part which may get damaged during flight operation
5. Appropriate Tablet PC and software should be supplied which can control UAV.
6. A tracking system should be provided with UAV which should be capable of sending location details if the UAV is lost due to any fault. Comprehensive training on the operation and maintenance of the equipment should be provided free of charge at the suitable location/site in NIT Manipur.