

Addendum 01

The Pre – Bid Meeting was held on **01 /06 /2019** at **12.00 p.m.** through video conference in **Board Room**, NITK Surathkal for the purchase of “**LiDAR - 3D mapping KIT**” (Tender Notification No : NITK/CRF/CSD/2020/PU-353/04 Date:08/05/2020). The following queries were discussed & the Reply/Clarification given to the prospective bidders.

Queries & Reply/Clarification

Sl. No.	NITK Tender Specifications	Questions asked by the vendor	Reply/Clarification	Changes to the Tender
1	<p>GNSS accuracy (PPK mode) 1cm+1ppm or better, GNSS update rate: 100Hz or more IMU update rate: 200Hz or more</p> <p>Mounting bracket for dual camera system along with LiDAR on multi-rotor UAV LiDAR-3D mapping KIT should be able to capture the data around it digitally as point cloud with good accuracy for applications like Civil Engineering (buildings, tunnels, highway, rail networks etc), Archaeology and forestry / Environmental research and create photorealistic true colour CAD/ DEM which is compatible with multi-color 3D printer</p>	<p>UNIT A-1 Drive GNSS update rate 100 Hz is too high. Most systems have update rate of 5-20Hz. Kindly change it to 5 Hz or 10 Hz IMU update rate For normal speed scanning, 100 Hz is sufficient. Kindly update it to 100 Hz or more Photorealistic model Photorealistic model is not possible with Mobile/drone LiDAR system. Kindly update this condition.</p> <p>UNIT A-2 Fly LIDAR Photogrammetry Kit Generally, Photogrammetry is done separately from LiDAR data collection, mainly due to big difference in flight plans. Kindly make Sony camera additional to LiDAR instead one integrated system. It doesn't solve the purpose anyways.</p>	<p>Low data rates of GNSS & IMU may give reliable data on good quality roads with low traffic density. The specification mentioned is as per the project requirement.</p> <p>The Quoted equipment should have LiDAR & Camera systems to create photorealistic DEMs.</p> <p>The Quoted equipment should have LiDAR & Camera systems to create photorealistic DEMs simultaneously. Collecting the photos & LiDAR data separately doubles the fieldwork and has the potential of adding to the office work of matching and integrating 2 datasets.</p>	<p>No changes in Tender Docuemnt</p>

It is decided to extend the Bid submission date by following dates

Last date for request tender document	: 14/07/2020, before 3.00 p. m.
Last date for Bid submission	: 14/07/2020, before 4.00 p. m.
Bid opening date	: 16/07/2020 @ 11.00 a.m.

Sd/-
Buyer
(Dr. Pruthviraj U)

Sd/-
Chairman
Central Research Facility
NITK, Surathkal