

## TECHNICAL SPECIFICATION AND OTHER ALLIED REQUIRMENT

SI No.	Description of items	Quantity
1.	<b>RADIO MODEM</b> with following features (a) Gross data Rate: more than 1.0 Mbps (b) Frequency band: 135-175; 335-400; 400-470 MHz (c) Channel spacing: 6.25/12.5/25/50/100/150/200kHz (d) Modulation: 256QAM (linear) (e) FEC: ON/OFF, 2/3, $\frac{3}{4}$ , 5/6 (f) Interface: 4xETH, 1xSFP, 1xCOM, 1xUSB (g) Physical Dimensions; within 2.5 x 7.5 x 5 inches, weight less than 3.5lbs (h) Carrier output power: 0.1-10W with standard features like RADUS, HW tamper proof, Expansion ready – mPCIe, Full duplex ready etc. Make: RACOM or similar (RIPEX2)	2 (Two) Nos.

### 1. WARRANTY

Warranty for a period of **one year** must be provided to be effective from the date after delivery and final acceptance of the ordered items / equipment at the user's laboratory / Institute.

### 2. QUALIFICATION REQUIREMENT

Bidder shall have to furnish a tender specific **Manufacturer Authorization Form (MAF)** (in the prescribed Form enclosed) from M/s. RACOM INC., Czech Republic/ other office of M/s. RACOM INC., Czech Republic. Bids not accompanied with the required MAF are liable to be rejected.

(Note: The term Bidder / Supplier as appearing in the Tender Document shall be interpreted in the manner indicated above)