

**073 Technical bid - microtrip antenna setup - E&C**

Stores BMSCE &lt;storessection@bmsce.ac.in&gt;

To: Procurementmanager - &lt;procurementmanager@bmsce.ac.in&gt;

Cc: Dayanethra R Stores Section &lt;dayanethra.office@bmsce.ac.in&gt;, Storessection BMSCE &lt;storessection1@bmsce.ac.in&gt;

**BMS COLLEGE OF ENGINEERING**

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PO Box: 1908, Bull Temple Road, Bengaluru - 560019, Karnataka India. Tel: 080-26622130 - 135 (Extn 5021), Email ID: [storessection@bmsce.ac.in](mailto:storessection@bmsce.ac.in)**Reference Number:** ST/E&C-4/2026-27/006/73**Date:** 01.09.2026**Enquiry Number:** 073**Department:** Electronics & Communication Engineering**Last date for submission of Technical Bid – submission of technical compliance report on or before 07.09.2026 – 5 PM t****Subject: Procurement of Microstrip Antenna Setup as per the specifications and quantity - 4 sets mentioned below on**

To,

THE VENDOR,

Dear Sir/Madam,

You are requested to provide the Technical Bid – Specification **Microstrip Antenna Setup** intended to quote Technical complian

| Sl. No. |                                                                                                                                                                                              |
|---------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1.      | MICROWAVE SIGNAL SOURCE<br>Voltage controlled Oscillator based with minimum power output > 5 dBm, provision for display of Tuning Voltage                                                    |
| 2.      | RF Power Meter<br>Absolute RF power meter with 2.4 Inch TFT display, frequency range : 10 MHz to 8.0 GHz, Power level +20 to -40 dB / 100 mW to 100 nW,                                      |
| 3.      | MICROCONTROLLER BASED ANTENNA TURN TABLE<br>Microcontroller based Automatic Antenna Turn table with provision for display of Angle Movement in degree and                                    |
| 4.      | MECHANICAL TURN TABLE<br>Tripod Stand with adjustable 3 level height adjustment, Level Indicator, Hydraulic based for easy movement bot                                                      |
| 5.      | Microstrip Patch Antenna<br>Transformer type printed patch Antenna made out of 3.2 dielectric substrate and height 0.79 mm , Gold Polished                                                   |
| 6.      | Microstrip 5 Element Yagi Uda Antenna<br>Printed 5 element Yagi Uda Antenna made out of<br>FR 4, dielectric 4.3, Height 1.6 mm, connector type SMA(F), resonance frequency : 2.45 to 2.6 GHz |
| 7.      | Microstrip Dipole Antenna<br>Printed Dipole Antenna made out of<br>FR 4, dielectric 4.3, Height 1.6 mm, connector type SMA(F), resonance frequency : 2.45 to 2.6 GHz                         |
| 8.      | Ring Resonator<br>Housed in Aluminium casing, resonance frequency 2.5 +/- 0.2 Ghz, Gold Polished, SMA(F) connector, Dielectric                                                               |
| 9.      | POWER DIVIDER( 3 dB)<br>Wilkinson type power divider, Housed in Aluminium casing, resonance frequency 2.5 +/- 0.2 GHz, Gold Polished                                                         |
| 10.     | PARALLEL LINE DIRECTIONAL COUPLER )<br>Housed in Aluminium casing, resonance frequency 2.5 +/- 0.2 GHz, Gold Polished, SMA(F) connector, Dielectric                                          |
| 11.     | BRANCH LINE DIRECTIONAL COUPLER )<br>Housed in Aluminium casing, resonance frequency 2.5 +/- 0.2 GHz, Gold Polished, SMA(F) connector, Dielectric                                            |
|         | <b>Accessories</b>                                                                                                                                                                           |
| 12.     | Fixed Attenuator 6 dB – Cylindrical type, Gold chromate, SMA (M) and SMA(F) type input and output connectors                                                                                 |
| 13.     | Termination : SMA male type, frequency : DC to 18 Ghz, power handling > 1 W, Hard Steel body                                                                                                 |
| 14.     | RF cable terminated with SMA (M) Connectors, Teflon cable with insertion < 1 dB – Length 1 Mtrs                                                                                              |
| 15.     | RF cable terminated with SMA (M) Connectors, Teflon cable with insertion < 1 dB – Length 45 Cms                                                                                              |

**SPECIAL NOTE: PLEASE DO NOT SEND ANY PRICE BID / DETAILS technical bid and compliance statement submission is mandatory as i**

1. Technical Bid (mandatorily along with Sole Dealer Authorisation / Dealership Certificate from OEM - Brand quoted ) as per <https://bmsce.ac.in/assets/files/Tenders/BMSCE%20Technical%20Compliance%20Statement%20for%20Vendors%202025%20> and should be sent to the email id storessection@bmsce.ac.in, [storessection1@bmsce.ac.in](mailto:storessection1@bmsce.ac.in)
2. Quote our Enquiry Ref No & Your reference No./Quotation No. with date in all your correspondence
3. Warranty/Validity: Two years/Standard
4. Product details with Brand/Manufacturer/other details should be included.
5. Details of the current customers to whom similar/same equipment is supplied with contact name and numbers should be provided
6. For any clarification regarding the Specifications, commercial terms and such, email/contact the above contact details.
7. For all the other detailed Terms & Conditions; refer to the Link: <https://bmsce.ac.in/assets/files/Tenders/BMSCE%20General%20TERMS%20&%20>
8. BMSCE reserves all rights. Jurisdiction: Bengaluru

**VICE PRINCIPAL**

**Sd/- PRINCIPAL - BMS College of Engineering,  
BENGALURU - 560019**

For any clarifications regarding procurement contact:

Dayanethra. R

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Ph: 080-26622130-135 Extension: 5021

Proposers ! for Procurement Guidelines & Forms,

Vendors ! for Tenders

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