



विद्युत अभियांत्रिकी विभाग  
DEPARTMENT OF ELECTRICAL ENGINEERING  
भारतीय प्रौद्योगिकी संस्थान कानपुर  
INDIAN INSTITUTE OF TECHNOLOGY KANPUR  
कानपुर - 208 016 (भारत)  
KANPUR - 208 016 (INDIA)

Phone : (0512)-2596523  
2597403  
Fax : (0512)-2590063  
Webpage : <http://www.iitk.ac.in/ee>

ENQ No.: EE/MJA/WR19-1/2013

Date: December 15, 2014

**Inviting sealed quotation for Waveguide Calibration Kit-WR-19 and Flexible coaxial cable**

Sealed Quotations are invited for the Calibration Kit-WR-19 and Flexible coaxial cable, with the specifications given below.

**SPECIFICATIONS for WR19**

**W/G type** : **WR-19**  
**Frequency** : **40 to 60 GHz**  
**Dimensions** : **(4.7752x2.3876) mm**  
**Kit Type** : **TRL (THROUGH REFLECT LOAD)**  
**VNA used** : **Compatible to Agilent PNA Series Vector Network Analyzer (E8361C)**  
**Number** : **1(One)**

WR 19 Cal Kit Should include following components:

1. Waveguide (WR-19) to Coaxial Adaptor (1.85 mm(F), Waveguide (WR-19) to Coaxial Adaptor (1.85 mm(M) each.
2. WR-19 Short Plate
3. Waveguide Offset length
4. Alignment Tool
5. Fixed/Matched Termination

**Specifications for Flexible coaxial cable**

**Frequency** : **DC to 65 GHz**  
**Length** : **≥1.5 M**  
**Insertion Loss** : **<2db (Typical)**  
**Typical Return Loss** : **20dB**  
**Connector type** : **1.85 (M) -1.85(F), 1.85 (F)-1.85(F) each.**

Good stability of Phase & VSWR for moderate bend radius

**Last date for submission of quote is 30 January 2014.**

The Quotation in sealed envelope should be sent to the following address:

Dr. M. J. Akhtar  
Asst. Professor  
ACES-326  
Department of Electrical Engineering  
IIT Kanpur, Kanpur-208 016