

BHAGALPUR COLLEGE OF ENGINEERING

NH -80, SABOUR, BHAGALPUR- 813210

(Department of science & Technology, Government of Bihar)



Ref: TEQIP / cell / 0217 .


Dated: _____

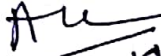
Letter for Expression of Interest

Bhagalpur College of Engineering intends to procure equipments/items for **Microwave Lab** for **Electronics & Communication Engineering Department** under **TEQIP-III**. Scope of work is mentioned in Annexure-1. Interested vendors are requested to submit following details through mail by **10-02-2019**, at **tpobcebpg8@gmail.com**.

Information Required:

- (1) Name of the firm:
- (2) Complete address with pin
- (3) Name of contact person
- (4) Email id of the contact person
- (5) Mobile no of the contact person


Principal 04/2/19
BCE, Bhagalpur


4-02-19

Annexure-I

Sl. No.	component	Specification		Quantity
I	Waveguide Twist	Band	x	1
		Frequency(GHz)	8.2-12.4	
		Waveguide	WR-90	
		Flange	UG-39/U	
		VSWR	1.09 At 10.5GHz	
		Return Loss	-26.9dB At 10.5GHz	
ii	Matched Termination	Band	x	2
		Frequency(GHz)	8.2-12.4	
		Waveguide	WR-90	
		Flange	UG-39/U	
		VSWR	1.03 At 10.5GHz	
		Return Loss	-33dB At 10.5GHz	
		Av. Power	2W	
		Type	Fixed	
iii	Movable Shorts	Band	x	2
		Frequency(GHz)	8.2-12.4	
		Waveguide	WR-90	
		Flange	UG-39/U	
		Reflection Coefficient	0.98	
Iv	Multihole Directional Coupler	Band	X	2
		Frequency Range(GHz)	8.2-12.4	
		Waveguide	WR-90	
		Flange	UG-39/U	
		VSWR Max.	1.06 At 10.5GHz	
		Return Loss	31 dB At 10.5GHz	
		Coupling (dB)	10.1 ± 0.6	
		Directivity (Min)	46.0 dB (3%)	
V	Magic Tee / E-H Tee	Band	x	1
		Frequency(GHz)	8.2-12.4	
		Waveguide	WR-90	
		Flange	UG-39/U	
Vi	H Plane Tee	Band	x	1
		Frequency(GHz)	8.2-12.4	
		Waveguide	WR-90	
		Flange	UG-39/U	

vii	E Plane Tee	Band	x	1
		Frequency(GHz)	8.2-12.4	
		Waveguide	WR-90	
		Flange	UG-39/U	
		Max. Length of cell	200mm	
		Plunger Movement	65mm	
viii	Ferrite Isolator	Band	X	1
		Frequency Range(GHz)	8.2-12.4	
		Waveguide	WR-90	
		Flange	UG-39/U	
		Max. VSWR	1.15	
		Min. Insertion Loss	0.46 dB	
		Min. Isolation	20 dB	
		Return Loss	22.4	
ix	Y Circulator	Band	X	1
		Frequency Range(GHz)	8.2-12.4	
		Waveguide	WR-90	
		Flange	UG-39/U	
		Max. VSWR	1.15	
		Min. Insertion Loss	0.46 dB	
		Min. Isolation	20 dB	
		Return Loss	22.4	