



**SHRI GURU GOBIND SINGHJI  
INSTITUTE OF ENGINEERING AND TECHNOLOGY, NANDED**  
(Govt. Aided Autonomous Institute)  
Vishnupuri, Nanded-431606, MH.

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No. SGGSI&T/Store-3342/ of Practical Kits Electronics /Electronics & Telecommunication Engineering  
Dept./2024-2025 Date: -24/02/2025

### Inquiry

Subject: - Quotation for Supply & Installation of Practical Kits Electronics  
[As Attached Herewith Annexure "A"]

Dear Sir,

You are requested to send your most competitive quotation for the supply of the above / as per list enclosed item/s, subject to Conditions mentioned. The quotation in sealed cover should reach this office on or before **06/03/2025** at 5.00 PM.

The sealed cover should super scribe as **QUOTATION for of Practical Kits Electronics** Due on **06/03/2025**. The quotation will be opened on **07/03/2025** At. 01=00 pm. in the presence of such suppliers who remain present.

#### COMPULSORY DOCUMENTS: -

1. Shop act.
2. PAN Card.
3. GST Certificate.
4. Quotation on your letter head.

#### TERMS AND CONDITIONS:

1. Rates quoted are F.O.R. At Vishnupuri, Nanded.
2. The validity period for the rates offered should be clearly mentioned and it should be 90 days from the date of opening the quotation.
3. The delivery period shall be clearly stated.
4. The institution reserves the right to accept any quotation or reject any quotations and to order any of the item/s in any quantity without assigning any reason.
5. **The selected quotation will have to submit three (03) years Income Tax Return (If needed).**
6. The item will be checked at the institute level and acceptance is subject to the approval of the institute.
7. If the supply of any part thereof is rejected by the institute the supplier will have to bear all expenses. Incurred in the matter including all charges for return and replacement of the items.
8. Guarantee should be minimum Twelve months from demonstration/installation.
9. 100% payment will be made after receipt of material in good condition and approved by us.
10. If your item/s is /are PROPRIETARY item, then you may please send the **PROPRIETARY ITEM CERTIFICATE** along with the quotation.
11. If you are an **AUTHORISED DEALER** of any manufacturer, then please provide an authorization certificate with quotation. We require proper demo and service.
12. **Penalty clause:** If supplier fails to supply the ordered material within the scheduled delivery period, for late delivery of goods we will be entitled to recover the liquidated damages as a sum equal to ½ percent of the price of stores delivered late per week. As per store purchase manual revised as per G.O.(P) No.3/2013/SPD, dated 21.06.2013

Thank you,

*Atal*  
DIRECTOR






**Annexure "A"**

➤ You must quote the rate of the following format on your letter head.

Sr.No.	Name of the kit	Q ty	Rate with GST/Taxes	Total Rs. With including GST/Taxes
	<b>Supply &amp; Installation of Practical Kits Electronics with Buyback Scheme.</b>			
1	Study of DSB/SSB AM transmitter	03		
a	Double Sideband (DSB) AM Generation: Study of balance modulator and band pass filter for DSB AM generation.			
b	Modulation Index Calculation: Study and calculation of modulation index using trapezoidal method.			
c	Single Sideband (SSB) AM Generation: Study of balance modulator and ceramic band pass filter for SSB AM generation.			
d	AM Transmission: Study of tuned amplifier for AM transmission.			
2	Study of DSB/SSB AM Receiver	03		
a	Double Sideband (DSB) AM Reception and Diode Detector Study			
b	Single Sideband (SSB) AM Reception and Product Detector Study			
c	Automatic Gain Control (AGC) Characteristics			
d	Receiver Sensitivity Measurement			
e	Receiver Selectivity Measurement			
3	Study of Frequency Modulation and Demodulation	03		
a	Frequency Modulation using Reactance Modulator			
b	Frequency Modulation Using Varactor Modulator			
c	Operation of Quadrature Detector			
d	Operation of Detuned Resonance Detector			
e	Operation of Ratio Detector			
f	Operation of Phase-Locked Loop (PLL) Detector (IC4046 based)			
g	Frequency Modulation using VCO-based Frequency Modulator (IC XR2206 based)			
h	Phase-Locked Loop Detector (IC LM565 based) as a Frequency Demodulator			
4	Study of PAM-PWM-PPM Modulation and Demodulation	03		
a	Pulse Amplitude Modulation (PAM):			
i	Natural Sampling			
ii	Flat-Top Sampling			
iii	Demodulation of PAM signals			
b	Generation of PWM signals			
c	Demodulation of PWM signals			
d	Generation of PPM signals			
e	Demodulation of PPM signals			
5	Study of study of FM Communication	03		
a	Frequency Modulation (FM) Generation			
b	Spectrum Analysis of FM Signal			
c	FM Demodulation using Phase-Locked Loop (PLL) Detector			
d	FM Demodulation using Quadrature Detector			
e	FM Demodulation using Ratio Detector			
6	Study of Noise Audio Amplifier	03		
a	Examine the operation of noise generator			
b	Measurement of noise figure			
7	Study of Armstrong frequency Modulator and Demodulator	03		
a	Observe the DSBSC AM generation using Armstrong			

	b	Operation of PLL as Fm demodulator			
8		Study of Synchronous AM Detector	03		
	a	Study and observe the working of Amplitude Modulator			
	b	Study and observe frequency of Synchronous detector			
9		Study of DSB-AM Modulation and Demodulation	03		
	a	Study of Amplitude modulation using Balanced Modulator			
	b	Study of Amplitude modulation using transistorised AM Modulator			
	C	Study of Envelope detector and its utilization in AM Detection			
	d	Study of Modulation Index			
10		Study of FM Modulation and Demodulation	03		
	a	Study of frequency Modulation using Voltage controlled Oscillator			
	b	Study of frequency demodulation using Phase lock Loop.			
	c	Measurement of modulation index			

  
 Concern Faculty/Staff  
 (Dr. AFTambol)

Name of Firm: -  
Stamp of Firms: -

Name of Proprietor: -  
Date: -