

Rajiv Gandhi Institute of Technology, Kottayam

No. D3/1761/18/RIT

Dated: 04.05.2018

TENDER SCHEDULE

Superscription	: Tender No.D3/1761/18/RIT, Purchase of various items PE Lab & EC lab of EEE Department
Last date and time receipt of tender	: 20/06/2018 2 p.m
Date and time of opening of tender	: 21/06/2018 2 p.m
Last date and time of sale of tender form	: 19/06/2018 2 p.m
Date upto which the rates are to be firm	: 31/03/2019
Cost of tender form	: Original Rs. 560/- includes GST 12% Duplicate Rs.336 " " By Post Rs.595/- includes GST and postal charges
Address of the Officer from whom Tender Forms are to be obtained to whom tenders are to be send	: THE PRINCIPAL, RAJIV GANDHI INSTITUTE OF TECHNOLOGY, VELLOOR P.O. PAMPADY, KOTTAYAM, KERALA, PIN - 686 501

List of Items Required

<u>Details of items</u>	<u>Quantity</u>
1 List attached	

PRINCIPAL

List of items required

Sl.No.	Item	Specification	Quantity
1	Isolation transformer with enclosure: 200 VA, 230/230V, input pin type, output socket type	<p>Rating: 200 VA, Frequency :50 Hz, No of Phase:1 PRI: Voltage:230 VAC +/-10%, PRI Tappings: 210 & 250 Volt Sec Volt:230 VAC,Current:0.87A Regulation <10% Efficiency>90% Dielectric Strength (HIPOT TEST):2 KV AC PRI to SEC: & Windings to Core Insulation Resistance > 100MΩ@1000VDC Insulation Class:F, Ambient Temperature:50$^{\circ}$C Terminations: Screw type closed connector GXT2 Mounting: Base mounting with 4 nos screw fixing Winding: super enameled copper wire grade 2 core: Silicon steel grade 50A 1000 -TYPE 16 Vaccum impregnation with Class F insulating varnish Enclosure: Metallic powder coated enclosure with input side 3 pin mains cord & output side 6 amp 2 in 1 - one number socket.</p>	16 Nos (PE Lab - 12, EC Lab-4)
2	DC side inductor for rectifier: 90 mH, 5A, and tapping at 30 mH and 60 mH	<p>DC Side Inductor for Rectifier Inductance(L):90mH+/-20%, Tappings:30mH & 60mH Current(I): 5 AMP, Phase:1 Dielectric Strength (HIPOT TEST): 2KV AC; Windings to core Insulation Resistance>100MΩ@1000VDC Insulation Class:F, Ambient Temperature:50$^{\circ}$C Terminations: Screw type closed connector GXT2 Mounting: Base mounting with 4 nos screw fixing Winding: Super enameled copper wire grade 2 Core: Silicon steel grade 50A 1000-TYPE E1 96 Vaccum impregnation with Class F insulating varnish</p>	3 nos
3	DC side inductor for rectifier: 360mH, 5A, and tappings at 120 mH and 240 mH	<p>DC side Inductor for Rectifier Inductance(L):360mH+/-20%, Tappings:120mH & 240 mH Current (I): 5 AmP, Phase:1 Dielectric Strength (HIPOT TEST): 2KV AC; windings to core Insulation Resistance>100MΩ@1000VDC Insulation Class:F, Ambient Temperature:50$^{\circ}$C Terminations: Screw type closed connector GXT2 Mounting: Base mounting with 4 nos screw fixing Winding: super enameled copper wire grade 2 Core: Silicon steel grade 50 A 1000-TYPE EI 96 Vacuum impregnation with Class F insulating varnish</p>	3 nos
4	AC side inductor for rectifier:60 mH, 5A and tappings 15 mH and 30 mH	<p>AC side Inductor for Rectifier Inductance(L):60mH*+/-20%, Tappings:15 mH & 30 mH Current (I): 5 amp, Phase:1 Dielectric Strength (HIPOT TEST):2KV AC; Windings to core Insulation Resistance>100MΩ@1000VDC Insulation Class:F, Ambient Temperature:50$^{\circ}$C Terminations:Screw type closed connector GXT2 Mounting: Base mounting with 4 nos screw fixing Winding: super enameled copper wire grade 2 Core: silicon steel grade 50A 1000-TYPE EI 96 Vaccum impregnation with Class F insulation varnish</p>	3 nos
		<p>High frequency Single phase Inductor Inductance(L): 5mH +/-25%, Tappings: 1mH, 2 mH, 3mH,</p>	

5	Single phase high frequency inductor: 5mH, 15A, and tappings at 4mH 3mH, 2mH, 1mH:	4mH Current (I):15A, Phase:1 Frequency:upto 100KHz Dielectric Strength (HIPOT TEST):2KV A; Windings to Core Insulation Resistance>100MΩ@1000VDC Insulation Class:F, Ambient Temperature:50°C Terminations: Brass screws M6 Mounting: Base mounting with 4 nos screw fixing Winding: Super enameled copper wire grade 2 Core: Ferrite core- CF 196 Grade one pair Vacuum impregnation with Class F insulating varnish	6 nos
6	Three-phase high frequency inductor: 5mH, 25A, and tappings at 4 mH, 3mH, 2mH, 1 mH	High Frequency Three phase Inductor Inductance(L):5mH+/-25%, Tappings:1mH, 2 mH, 3 mH, 4 mH, Current (I):25 A, Phase:3 Frequency:upto 100KHz Dielectric Strength (HIPOT TEST):2KV AC; Windings to Core Insulation Resistance>100MΩ@1000VDC Insulation Class: F, Ambient Temperature:50°C Terminations: Brass screws M6 Mounting: Base mounting with 4 nos screw fixing Winding: Super enameled copper wire grade 2 Core: Ferrite core - CF 196 Grade Three pair Vacuum impregnation with Class F insulating varnish	3 nos