

S.No	Equipment	Specifications	Yes/ No	
	<b><u>Pulsed Electric Field Machine - (1No.)</u></b>  Model: _____  Make: _____	<b>Output</b>		
		Voltage	up to 40000 V or higher	
		Peak Power:	5800- 6200 W	
		Polarity	Positive	
		Reactor	Indirect type	
		<b>Input</b>		
		Voltage	190 to 260 VAC, 1PH, 50/60 Hz	
		Power	5400- 5600W, single phase	
		Current	15 @ 230VAC	
		Power Factor	>0.98	
		<b>PULSE MODE</b>		
		Single Pulse	One shot	
		Multi Pulse	1 to 200 pulses or higher	
		Continuous burst operation	<i>n</i> pulses	
		Pulse flexibility	1 to 100Hz or higher, 10µs to 100/150 µs – Average 300ns rise time	
		<b>Safety Precautions</b>		
		Reset	After power on	
		Safety Interlock	Yes	
		<b>Regulations</b>		
		Leakage current	< 500µA	
		Isolation	4000 VA	
		<b>Connections</b>		
		HV cable	3m URM67 with HV plug Connection to oscilloscope possible (BNC Connector)	
		<b>Environment</b>		
		Operation Temp	10°C to 40°C	
		Humidity	Up to 90% non- condensing	
		<b>Stainless Steel Treatment Chamber</b>		
		Material	SS 316 or equivalent	
		Size (L x W x H)	680-750 mm x 580-640 mm x 1180- 1300 mm	
		Connections	16 pin plug in connector	
	<b>Experimental module for solid food</b>			
	Material	PTFE or equivalent		
	Chamber Size (L x W x H)	250 -280 mm x 220-240 mm x 50-70 mm		
	Chamber Capacity	1.4 to 1.8 Liters		
	Connections	6mm plug in connector		

<b>Experimental module for liquid food</b>		
Material	PTFE & SS 316 or equivalent	
Chamber Capacity	120 - 160 ml	
Size	90-110 mm (Dia) x 160-180 mm (H)	
Connections	6 mm plug in connector	
<b>Experimental module for parallel plate</b>		
Material	PTFE & SS 316 or equivalent	
Chamber Capacity	280 – 340 ml	
Size	110-130 mm (Dia) x 190-210 mm (H)	
Connections	6 mm plug in connector	
<b>Mandatory</b>		
Warranty	Minimum 1 Year	
Installation	Total machine erection, installation, commission and operation training to the operator at ICAR-IIMR, Rajendranagar, Hyderabad-500030.	