TECHNICAL SPECIFICATION OF IRREVERSIBLE ELECTROPORATION SYSTEM/HIGH FREQUENCY ABLATION UNIT

1	The IRE System should be the latest state of the art equipment using non-thermal ablation technology for precise ablation of soft tissue.
2	The system should have inbuilt treatment planning software for ablation planning.
3	It should comprise of the generator, foot switch, compatible electrodes and supplied with compatible ECG synchronization device.
4	**Applications**
a	Should be capable of ablating lesion of size upto 5cm or more.
b	The system should be able to capable of treating tumors close to critical structures in Liver, Kidneys, Pancreas and prostrate
5	**Generator**
a	Electrical Supply: The unit should be robust to sustain the power conditions locally, ie, 110-240 Volts, 50-60 Hz universal power supply.
b	The system should you have inbuilt safety features like output current restriction and delivery of test pulse.
c	Maximum current delivery should be 50 Ampere.
d	The generator should have a 6 probe output with the capability of connecting 6 electrodes at a time.
e	The generator should be capable of delivering up to 100 pulses with pulse amplitude ranging from 500 to 3000Volt.
f	The generator should have compatible electrodes of lengths up to 25cms.
6	**Consumables:** Electrode probe for tumor ablations to be supplied with system - 20 units.
7	**Others**
a	The vendor should provide comprehensive warranty for the first five years and comprehensive maintenance from 6 to 10 years. Should perform yearly calibration/Validation and preventive maintenance.
b	The system should have BIS/CDSCO/US FDA/European CE certification.
c	The Software/Hardware upgrades for first 5 year should be provided free of cost.
d	Vendors shall provide adequate operator and procedural training on site.
e	Performance user certificate from reputed Government Institute in India with special mention of after sales service and availability consumables.
f	Consumables/Disposables price should be fixed for three years from the date of Installation.