

Institute for Plasma Research
Plasma Exhibition : List of Exhibits

No.	Name of the Exhibit	Type of exhibit	Table (1.5x 0.5m)	Power
1.	Glow discharge plasma	Working	2	230V / 5A
2.	Electrostatic confinement of plasma	Working	1	230V / 5A
3.	Plasma Nitriding	Working	1	230V / 5A
4.	Jacob's Ladder	Working	1	230V / 5A
5.	Plasma jets	Working	1	230V / 5A
6.	Plasma Crackle tube	Working	1	230V / 5A
7.	Terrella - Earth's magnetic field and charged particles	Working	1	230V / 5A
8.	Plasma Globes	Working	1	230V / 5A
9.	Plasma torch for medical applications	Working	1	230V / 5A
10.	Plasma sterilization unit	Working	1	230V / 5A
11.	RF plasma device	Working	1	230V / 5A
12.	Plasma textile etching	Working	1	230V / 5A
13.	Superconductivity & Meissner effect	Working	1	230V / 5A
14.	Plasma ion thruster	Working	1	230V / 5A
15.	Tesla Coil, Corona discharge and EM transmission of power	Working	2	230V / 5A
16.	Motion of a charged particle in a perpendicular magnetic field	Working	1	230V / 5A
17.	Motion of a charged particle in a sinusoidal magnetic field	Working	1	230V / 5A
18.	Eddy Currents	Working	1	N.A.
19.	Electrostatic Accelerator	Working	1	230V/5A

20.	Radiation induced plasma discharge	Working	1	230V/5A
21.	Plasma pyrolysis	Static	2	N.A.
22.	Model of a Generic tokamak	Static	2	230V / 5A
23.	Plasma Confinement coil of Aditya Tokamak	Static	1	N.A.
24.	Plasma Confinement coil of SST-1 Tokamak	Static	1	N.A.
25.	Plasma facing components of SST-1 Tokamak	Static	1	N.A.
26.	ITER Tokamak model	Static	1	N.A.
27.	ITER Tokamak parts	Static	1	N.A.
28.	Cryo-Pump Model	Static	1	230V / 5A
29.	Cryo-Pump application model	Static	1	230V / 5A
30.	High Heat Flux Test Facility	Static	2	230V / 5A
31.	Tritium Breeding Blanket Module (TBM)	Static	1	230V / 5A
32.	TBM in a Tokamak machine	Static	1	230V / 5A
33.	Helicon Thruster	Static	1	230V / 5A
34.	TokoToy : The toy Tokamak	Static	1	N.A.
35.	Virtual Reality (VR)	Interactive	1	230V/5A + Internet
36.	3D Holographic display	3D LED display	0	230V / 5A
37.	LED posters (12 nos)	Posters of exhibits	0	230V / 5A
38.	49" TVs (2 nos)	Videos	0	230V / 5A
39.	Resource Materials (Books, comic, posters)	Materials	1	N.A.

Tables: 40

Chairs: 50

Power Points (230V, 5A) : 35

The final number of exhibits will depend on the availability of the exhibits and the area provided by the host institution for the exhibits.

Minimum Area required = 15m x 15m