

# INDIAN INSTITUTE OF TECHNOLOGY KANPUR

## Department of Physics

### Central Cryogenics Facility

#### Notice Inviting Quotation

**Enquiry No: PHY/LHE/2018-2019/01**

**24-01-2019**

The Central Cryogenics Facility, Department of Physics, IIT Kanpur invites quotation for the Spare Parts For Helium liquefier Model Linde- 1610. The specification of spare parts, terms & conditions are as follows

S.no	Tag.No.	Part.No	Description	Qty.
1	F61	0540462	10 micron Gas Inline filter element,	1
2	OS-1	3839140G1	Over speed switch	1
3	TE-A	3999962	Temperature diode	1
4	V309	35452022	3-way solenoid valve 1/8" FPT N. C. Brass	1
5	V348	35421345	2-way solenoid valve	1
6	V350	35421585	2-way solenoid valve	1
7	V374	35421346	2-way solenoid valve	1
8	V378	202924	2-way solenoid valve	1
9	V602	35421348	2-way solenoid valve	3
10	V609	205416	2-way solenoid valve	1
11	V620	35452022	3-way solenoid valve	1
12	V622	35421347	2-way solenoid valve	2
15	VT-43&44	205075	Vacuum gauge transmitter assembly	2
16	-----	204854	Fuse (15A, 1.5X13/32, FAST)	5
17	-----	204704	Fuse.(2A,1.5X13/32, TIME DELAY)	5
18	-----	204705	Fuse.(3A, 5MMX20MM TIME DELAY)	5
19	-----	MCS SI16	Circuit board for chiller	1
20	V208	.....	Unload Solenoid valve RS Compressor	1
21	V209	.....	Load Solenoid valve RS Compressor	1
22	V634	203507	Auto Regulating Valve	1
23	V617	35421348	2-way solenoid valve	1
24	V618	3542394	Auto Regulating Valve	1
25	V395	0515424	Check Valve	1
26	V334	35421346	2-way solenoid valve	1
27	.....	204655	EMI Filter	1
28	SY-1	3545422	VFD, Variable Speed Drive	1
29	LF-2	204757	Filter, Surge Protector 120V 3A	1
30	-----	205454	Switch Ethernet 10/100 Base T	1
31	-----	204657	Supply, Power 24VDC 2.1A	2
32	-----	0828064	Contractor, Motor 3Pole W/AUX	1
33	-----	204830	Transformer, 208-600/120 250W	1
34	-----	204763	Relay, 600V 6A SPDT DIN MTD CE	4
35	-----	205145	Relay Solid State 330V 10A	1
36	-----	204656	Switch, Disconnect, 4Pole	1
37	-----	205165	Transmitter, Signal Conditioner	1
38	-----	205229	Trans, Signal Conditioner	2
39	-----	204678	Resistor, Brake 400W 50OHM	2

40	-----	51-24-54	GENERANT CV750-B-B-0.15 Check Valve,3/4 Inch FPT, Brass	1
41	V645	203306	Check Valve	1
42	V807	0514479	Relief valve 35PSIG	1
43	V805	203787	Two way solenoid valve	1
44	V802	0514480	Check Valve	1
45	V636	0514437	Check Valve	1
46	V634	203507	Auto regulating valve	1
47	V633	3542410	Relief Valve 80PSIG	1
48	V631	204084	Relief Valve 50PSIG	1
49	V630	300561	Relief Valve 20PSIG	1
50	V628	0513482	Metering Valve	1
51	V623	0513496	Relief Valve 450PSIG	1
52	V364& V353	0513483	Check Valve	2
53	V351	0512477	Relief Valve 10PSIG	1
54	V390	0514468	Relief Valve 300PSIG	1
55	V333	3542393	Relief Valve 13PSIG	1
56	V313	0515406	Relief Valve 5PSIG	1
57	V305	0514433	Relief Valve 70PSIG	1
58	PI-33	204772	Pressure gauge	2

#### **General Terms and Condition of purchase**

1. The quotation must reach undersigned on or before 06/02/2019 at 15:00 Hrs.
2. Quotation must be valid for 90 days.
3. Delivery period should not be more than 75 days.
4. Quotation should carry proper certifications like proprietary certificate or authorization certificate from manufacturer.
5. These spare parts are used in Helium Liquefier Model Linde-1610 from Linde Cryogenics.
6. The supplier should certify that these spare parts are replacement part of Helium liquefier Model Linde-1610.

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