

EQUIPMENT SPARES

Sr#	Description	Qty
1	Filter Elements (for Oil Filter)	10
2	Filter Elements (for Mist Separator)	5
3	Piston Ring (for Turbo Expander)	6
4	Bearing (Inner Bearing for Turbo Expander)	2
5	Bearing (Outer Bearing for Turbo Expander)	2
6	Seal Ring (for Impeller of Booster of Turbo Expander)	2
7	Seal Ring (for Impeller of Expander of Turbo Expander)	2
8	Commissioning Kit (Complete set OF o-rings, etc., for Commissioning of Turbo Expander)	2
9	Shaft Seal (for Booster Side of Turbo Expander)	2
10	Shaft Seal (for Expander Side of Turbo Expander)	2
11	Rotor Assembly (for Turbo Expander)	2
12	Speed Sensor (for RPM Measurement of Turbo Expander)	2
13	Valve (Inlet Emergency Shut-Off Valve)	1
14	Valve (Inlet Guide Vane Pneumatic Control Valve)	1
15	Oil Pump (for Turbo Expander)	1
16	Filter Element (for Oil Pump Inlet)	5
17	Tachometer (DTZ-C-061SJ Intelligent Tachometer designed for Expansion Turbine) (Make: Jiujiang Ourui Automation Technology Co., Ltd., China)	1
18	Nozzle Assembly (for Turbo Expander)	1
19	Turbo Expander (Completely assembled of oil-bearing turbo expander including rotor assembly, bearings, rpm sensor, booster & expander side seals, etc.)	1

Manufacturer: Hangzhou Hangyang Cryogenic Liquefy Equipment Co., Ltd., China.