

Item #	Category	Description	Condition	Currentstatus
1	Gas turbine test berth.	Hot End Drive (HED) generator package with hydraulic start system (electric motor driven pump) to test Solar Centaur 40, 50 and Taurus 60 twin shaft gas turbines.	Maintained	Good working order – in service.
2	Gas turbine test berth.	Cold End Drive (CED) generator package with hydraulic start system (electric motor driven pump) to test Solar Centaur 40 single shaft gas turbines.	Maintained	Good working order – in service.
3	Gas turbine test berth.	MARS generator package with hydraulic start system (Detroit diesel engine driven pump) to test Solar Mars 90 and Mars 100 gas turbines.	Maintained	Good working order – in service.
4	Fuel system.	HED package: electro hydraulic fuel control valve for liquid fuel only.	Maintained	Good working order – in service.
5	Fuel system.	CED package: electro hydraulic fuel control valve for liquid fuel only.	Maintained	Good working order – in service.
6	Fuel system.	MARS package: electro hydraulic fuel control valve for liquid fuel only.	Maintained	Good working order – in service.
7	Gearbox.	HED package: Lufkin reduction gearbox, input:15514,29rpm, output: 1500rpm.	Maintained	Good working order – in service.
8	Gearbox.	CED package: Solar reduction gearbox, input: 15000rpm, output: 1500rpm.	Maintained	Good working order – in service.
9	Gearbox.	Mars package: Allen gears’ reduction gearbox, input 8625rpm, output 1500rpm.	Maintained	Good working order – in service.
10	Alternator.	HED package: AVK synchronous AC generator, 10KV, 5350kVA, 3ph, 50 Hz	Maintained	Good working order – in service.
11	Alternator.	CED package: AVK synchronous AC generator, 10KV, 4163kVA, 3ph, 50 Hz	Maintained	Good working order – in service.
12	Alternator.	Mars package: Leroy Somer synchronous AC generator, 15KV, 13000kVA, 3ph, 50Hz	Maintained	Good working order – in service.
13	Switchgear.	15kV system: RTU_1 (Remote terminal unit to control switching of main breaker RMU_1)	Brand new	Good working order – in service.
14	Switchgear.	15kV system: RTU_2 (Remote terminal unit to control switching of feeder breakers RMU_2, RMU_3, RMU_4 AND RMU_5).	Brand new	Good working order – in service.
15	Switchgear.	15kV system: RMU_1 (Lucy ring main unit – main 630A breaker with MICOM P124 protection module)	Brand new	Good working order – in service.
16	Switchgear.	15kV system: RMU_2 (Lucy ring main unit – feeder 250A breaker with MICOM P124 protection module).	Brand new	Good working order – in service.
17	Switchgear.	15kV system: RMU_3 (Lucy ring main unit – feeder 250A breaker with MICOM P124 protection module).	Brand new	Good working order – in service.
18	Switchgear.	15kV system: RMU_4 (Lucy ring main unit – feeder 250A breaker with MICOM P124 protection module).	Brand new	Good working order – in service.
19	Switchgear.	15kV system: RMU_5 (Lucy ring main unit – feeder 250A breaker with MICOM P124 protection module).	Brand new	Good working order – in service.
20	Switchgear.	10kV system: RMU_1 (Lucy ring main unit – switch between CED and HED test berths feeding 10kV/380V transformers.	Maintained	Good working order – in service.
21	Switchgear.	10kV system: main breaker.	Maintained	Good working order – in service.
22	Switchgear.	15kV/10kV Prisma Electric manual transfer switch, MTS_1 (rating 4000A, 400V, 3ph, 50Hz with MICROLOGIC protection module)	Brand new	Good working order – in service.
23	Switchgear.	15kV/10kV Prisma Electric manual transfer switch, MTS_2 (rating 4000A, 400V, 3ph, 50Hz with MICROLOGIC protection module)	Brand new	Good working order – in service.
24	Transformer.	TX1: Federal transformer 10kV/380V, 2500kVA, Dyn11, 50Hz.	Maintained	Good working order – in service.
25	Transformer.	TX2: Federal transformer 10kV/380V 2500kVA, Dyn11, 50Hz.	Maintained	Good working order – in service.
26	Transformer.	TX3: Charoenchai transformer HV: 15000/11000V; LV: 380/220V; 3150kVA; Dyn11; 50Hz. (portable/mobile package – housed inside a 40ft Lloyd’s register container).	Brand new	Good working order – in service.
27	Transformer.	TX4: Charoenchai transformer HV: 15000/11000V; LV: 380/220V; 3150kVA; Dyn11; 50Hz. (portable/mobile package – housed inside a 40ft Lloyd’s register container).	Brand new	Good working order – in service.
28	Transformer.	TX5: Charoenchai transformer HV: 15000/11000V; LV: 380/220V; 3150kVA; Dyn11; 50Hz. (portable/mobile package – housed inside a 40ft Lloyd’s register container).	Brand new	Good working order – in service.