

**Summary of Plant Available.****All below subject to approval****All below subject to approval**

<b>Plant Ref</b>	<b>Plant</b>	<b>Comments (1st Unit)</b>	<b>Comments (2nd Unit Exceptions)</b>
<b>P02</b>	<b>Station Auxiliary Boiler System</b>	1-Off Aux Blr. & Assoc. eqpt.	
<b>P21</b>	<b>Turbine &amp; Associated Equipment</b>		
	HP & IP Top & Btm. Loop Pipes IP/LP Cross-over pipes HP & IP Stm. Chests HP & IP Stop & Governor Valves HP & IP Steam Strainers	Inc. Expansion Bellows & Assoc. Equip. Fasteners not be available	1-Off HP Loop Pipe not avail. Inc. Expansion Bellows & Assoc. Equip. Fasteners not be available V/v couplings may be missing
<b>P21 04</b>	<b>HP Turbine Incl. All Assoc. Support &amp; Expan. Steelwork</b>		
	Stm. Inlet & Outlet Connections HP Rotor Diaphragms & Diaphragm Glands Front & Rear Glands Top & Btm. Inner Casing Top & Btm. Outer Casing HP/IP Coupling & Bolts No1 & 2 Pedestals	Fasteners may not be available Fasteners may not be available Fasteners may not be available Original design Incl. Brgs. & all Assoc. equipment without liners	L/H Top I/L pipe not available Retained - Strategic spare Retained - Strategic spare 1-Off set require refurbishment Retained - Strategic spare Retained - Strategic spare Original design Incl. Brgs. & all Assoc. equipment without liners
<b>P21 05</b>	<b>IP Turbine</b>		
	Stm. Inlet & Outlet Connections IP Rotor Diaphragms & Diaphragm Glands Top & Btm. Inner Casings Top & Btm. Outer Casing Front & Rear Glands IP/LP Coupling & Bolts Thrust Bearing & Assoc. Equip.	Fasteners may not be available Fasteners may not be available Fasteners may not be available Original design	Retained - Strategic spare 1-Off set require refurbishment Retained - Strategic spare Retained - Strategic spare 1-Off set require refurbishment Original design

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No3 Pedestals

Incl. Brgs. & all Assoc. Equipment without liners

**P21 06**

**LP Turbine**

LP Rotor  
Diaphragms & Diaphragm Glands  
LP Hood & Exhaust Chamber  
Top & Btm. Inner Casing  
Stm. Inlet & Outlet Connections  
Bled Stm. Outlet Connections  
No4 Pedestals  
LP/Gen Coupling and Bolts

Inc. Expansion Bellows & Assoc. Equip.  
Inc. Expansion Bellows & Assoc. Equip.  
Incl. Brgs. & all Assoc. Equipment without liners  
Original design

Retained - Strategic spare  
Retained - Strategic spare  
Retained - Strategic spare  
Retained - Strategic spare  
Inc. Expansion Bellows & Assoc. Equip.  
Inc. Expansion Bellows & Assoc. Equip.  
Incl. Brgs. & all Assoc. Equipment without liners  
Original design

**P21 07**

**Turbine Support & Expansion**

Main Steel Platform & Legs  
Bedplates HP IP LP Gen. & B'gear  
Expansion Blocks & Assoc. Equip.

**P21 08**

**Turbine Gland Sealing**

Strainers, HP, IP, LP Separators  
HP, IP, LP, De-superheaters  
Gland Stm Condenser  
Exhausters  
Control, Drain & Isol Valves  
HP/IP Gland Leak Off

As Available

**P21 09**

**Turbine Flange Warming**

**P21 10**

**Turbine Barring Gear**

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<b>P21 11</b>	<b>HP Turbine Drains</b> HP Drains Flash Vessel Spray & Isol. Valves		
<b>P21 12</b>	<b>IP Turbine Drains</b> IP Drain Flash Vessel Spray & Isol. Valves		
<b>P21 13</b>	<b>LP Spray Water Cooling</b> Spray Water Pumps		
<b>P21 14</b>	<b>Turbine Protection System</b>	Obsolete and incomplete	Obsolete and incomplete
<b>P21 15</b>	<b>Compressed Air Control System</b> Turb. Inst. Air & Loading Receivers		
<b>P21 16</b>	<b>Turbovisory</b>	Obsolete and incomplete	Obsolete and incomplete
<b>P22 02</b>	<b>Lubrication Oil System</b> Main Oil Tank Main Oil Tank Strainer Main Oil Pump Vent Blower Aux Oil Pump (AC) Booster Oil Pump AC & DC Flushing Oil Pumps Jacking Oil Pump Duplex Oil Strainer Thrust Brg. Auto Clean Oil Filter	Coolers not available  Not Avail.	Coolers not available  Not Avail.  1-Off requires refurbishmnet

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	Pipework, Valves, Orifices		
<b>P22 03</b>	<b>Governor Oil System</b> Governor HP Stop & Governor Valve Actuators IP Stop & Governor Valve Actuators Pipework, Valves & Assoc. Equip.	<b>Hardware Items Available</b> (Original – may need refurbished) (Original – may need refurbished) (Original – may need refurbished)	 (Original – may need refurbished) (Original – may need refurbished) (Original – may need refurbished)
<b>P23 02</b>	<b>Condenser</b> Supports and Springs Waterboxes Shell Inlet & Outlet Isol Valves CW Priming Pumps	Tube Plates and tubes not available To be Refurbished if Available	Tube Plates and tubes not available To be Refurbished if Available
<b>P23 03</b>	<b>Air Extraction System</b> Quick Start Exhauster Unit (Nash) Condenser Priming Exhausters	Condenser Air Pumps not available Inc. Silencer & air/water Separators	Condenser Air Pumps not available Inc. Silencer & air/water Separators
<b>P24 02</b>	<b>Generator</b> Stator and Rotor Terminals & Main Connections Slip Rings & Brushgear Bearings 7 & 8 Front and Rear Hyd. Seals Front & rear End Shields	<b>All subject to approval</b> Rotor to be Repaired As available As available Liners not available As available	Retained - Strategic spare As available Retained - Strategic spare Retained - Strategic spare Retained - Strategic spare Retained - Strategic spare
<b>P24 03</b>	<b>Excitation Supply &amp; Control</b>	Exciter requires refurbishment	Exciter & AVR - NOT Available.

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<b>P24 04</b>	<b>Generator Gas System</b> Hyd. Control & Metering panels CO2 Supply HP & LP liquid Leakage detectors Gas Press. Regulator Gas Analysis Equipment Pipework & Valves	Hydrogen Blower Not Included      As available	Hydrogen Blower Not Included      As available
<b>P24 05</b>	<b>Seal Oil System</b> Seal Oil Unit	Coolers not available	Coolers not available Retained - Strategic spare
<b>P24 06</b>	<b>Distilled Water System</b>	Coolers not available	Coolers not available
<b>P24 07</b>	<b>Stator Water System</b>	Coolers not available	Coolers not available
<b>P24 08</b>	<b>Gen. C/breaker &amp; Assoc. Equipment</b> Gen. CB (Red, Yellow & Blue Phases) Air Comp. (2 Off) Air Receivers (2 Off) Pipework & Valves Local Control Panel	    As available As available	1-Off not available - to be retained as spare.  1-Off not available As available As available
<b>P24 11</b>	<b>Protection System (GSX5 etc)</b>	Not included	Not included
<b>P26 02</b>	<b>LP Feed System</b> Reserve Feed Water Tanks Extraction Pumps (2 Off) Polishing Plant Equipment Chemical Injection Pumps	Will not include Pipework & Valves   Incl. Vessel, Pumps, Resin Trap & Valves Not Avail.	Will not include Pipework & Valves   Retained - Strategic spare Incl. Vessel, Pumps, Resin Trap & Valves Not Avail.

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	Drains Flash Condenser LP Heaters 1, 2 & 3 Flash Boxes & Flash Condensers Valves	As Available	As Available
<b>P26 03</b>	<b>Deaerator</b> Vent Condenser Main Tank Stm Heating Coils Pipework & Valves Local Control Panel Bled Steam Pipework & valves	Part erected in Boiler house  As Available As Available	Part erected in Boiler house  As Available As Available
<b>P27</b>	<b>HP Feed Pumps</b> Booster Pump Motor Variable Speed Fluid Coupling Main Pump Aux Coolers Control Panels & Instrumentation Leak Off System valves Suction Valves & Strainers	Not Avail.  Casings only Avail. Not Avail. As Available Possibly not available As Available	Not Avail. 1-Off only avail. Retained - Strategic spare Casings only Avail. Not Avail. As Available Possibly not available As Available
<b>P28 02</b>	<b>HP Heaters 5, 6, &amp; 7 &amp; Assoc. Flash Boxes</b> Pipework & Valves Bled Steam Pipework & valves Control Panels	As Available As Available As Available	1-Off set only available As Available As Available As Available
<b>P31 02</b>	<b>Structure</b>	Roof Raft not Included	Roof Raft not Included

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	Boiler Girths	Items to be Identified	Items to be Identified
	Casing, Cladding and Insulation	Not Included	Not Included
	Burner Corners (4 Off)		
	Galleries, walkways,ladders and stairs	Not Included	Not Included
<b>P31 03</b>	<b>Feed Water &amp; Saturated Steam System</b>	Items to be Identified	Items to be Identified
	Feed Regulators & Associated Valves	As Available	As Available
	Inlet Feed Pipework	As Available incl. pipe supports	As Available incl. pipe supports
	Economiser Inlet Header		
	Top & Bottom Bank Economiser Tubes		
	Front & Rear Economiser Collector Headers		
	Economiser Riser Tubes		
	Economiser Top Collector Header		
	Econ. Header to Drum pipework		
	Main Steam Drum, incl. Support Rods	Drum Internals Not Included	Drum Internals Not Included
	Downcomers		
	Downcomer Collector Header		
	Boiler Circulating Pump Casings		Retained - Strategic spare
	Boiler Circulating Pumps		Retained - Strategic spare
	BCP Isol V/v & Assoc. Pipework	As Available	As Available
	Waterwall Bottom Distribution Header		
	Boiler Waterwall Tubes & Panels		
	Waterwall Collector Headers		
<b>P31 04</b>	<b>Super Heater &amp; Reheater System</b>		
	1st Stage Supheater inlet Header		
	1st Stage Supheater Elements (24 Off)		
	1st Stage Superheater outlet Header		
	Roof Panels		

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	Top Dead Space connecting Pipework		
	2nd Stage inlet Headers		
	Rear Wall Panels		
	Rear Pass Side Wall Panels		
	2nd Stage outlet Headers		
	3rd Stage Superheater Inlet Header		
	3rd Stage Superheater Elements (96 Off)		Incomplete
	4th Stage Superheater Elements (96 Off)		Incomplete
	5th Stage Superheater Elements (96 Off)		Incomplete
	5th Stage Superheater Outlet Header (2 Off)		Incomplete
	Attemperators		
	6th Stage Inlet Header		Incomplete
	6th Stage Superheater Elements (48 Off)		Incomplete
	6th Stage Outlet Header		Incomplete
	Main Steam Pipework	Including Hangers - condition to be verified	
	Reheater Inlet Header		Incomplete
	Reheater Elements (96 Off)		Incomplete
	Reheater Outlet Header		Incomplete
	Hot & Cold Reheat Lines	Including Hangers	Incomplete
<b>P31 05</b>	<b>Boiler Mountings</b>	<b>Not Included</b>	
	Safety Valve Silencers	Currently Installed on Roof	Currently Installed on Roof
<b>P31 06</b>	<b>Drainage System &amp; Valves</b>		
	Pipework & Valves	Not Included	Not Included
	Blowdown Tank	Not Included	Not Included
<b>P31 07</b>	<b>Boiler Sootblowers</b>		
	Sootblowers (Design on Oil 32 Off)	Total No. to be confirmed	Total No. to be confirmed

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	Control Panels	As Available	As Available
<b>P32 02</b>	<b>Combustion Air System</b> FD Fans 'A' & 'B' Motors Inlet Vane Controls	Incl. Hydraulic package	1-Off only available
<b>P32 03</b>	<b>Gas System</b> GR Fans " " Motors ID Fans 'A' & 'B' " " Motors Inlet Vane Controls	Rotors may need refurbished.  Incl. Hydraulic package	1-Off only available Rotors may need refurbished. 1-Off only available
<b>P32 06</b>	<b>Ignition Air &amp; Flame Monitor</b> Purge System	Fans (4 Off)	1-Off set only available.
<b>P33 02</b>	<b>Fuel Preparation System</b> LP Fuel Oil Filters (3 Off) LP Fuel Oil Pumps (3 Off) HP Fuel Oil Pumps HP Fuel Oil Heaters (3 Off) HP Fuel Oil Filters (3 Off)	Duplex Type  Not Available  Duplex Type	Duplex Type 1-Off set only available Not Available
<b>P34 40</b>	<b>Instrument Air Supplies</b> Main Air Receiver Air Dryers Buffer Receiver Compressors	Not available  Not available	Not available  Not available

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<b>P35 02</b>	<b>LP &amp; HP Wash Water Pumps</b>		
<b>P35 04</b>	<b>Boiler Filling Pump</b>		Only 1-off set avail.
<b>P36 02</b>	<b>Steam Air Heaters (6 Off)</b>		Only 1-off set avail.
<b>P36 03</b>	<b>Regenerative Airheaters</b>		
	Stator		
	Elements	Not Included.	Not Included.
	Shafts & Bearings		
	Drive Assembly	Pin racks missing	Pin racks missing
	Hoods & Seals	Seals not available	Seals not available
	Lub Oil System		
	Sootblowers & Assoc. Seals	Incomplete	Incomplete
	Wash Water & Firefighting		
	Damper Power Unit		Only 1-off set avail.
<b>P49 26</b>	<b>Boiler House Lift 'B'</b>		
	<b>Ducts</b>	<b>As Available</b>	
	<b>Supports, Hangers, Guides etc</b>	<b>As Available</b>	
	<b>Standby Diesel Generator</b>		
	<b>Hydrogen Plant</b>	<b>Installed plant now redundant - Available.</b>	

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