

69 MW (50 Hz) Diesel Power Plant

The power station described in this brief outline was initially put on-line in April 1969. Through the years other generator sets were added to keep up with demand and today the capacity is at 69 MW. All the plants equipment was maintained regularly and is in good condition. Maintenance logbooks were kept up to date for all units.

Recent discoveries and utilization of low cost natural gas in this region have made the continuance of using distillate uneconomical. Therefore a decision has been reached to offer this plant for sale.

This plant consists of the following:

Two	(2) 12.25 MW each	MAN/Mitsubishi gensets, 1981 , 428 RPM, 11 KV
Three	(3) 8.21 MW each	Stork Werkspoor gensets, 1976-1979, 11 KV
Four	(4) 2.5 MW each	Mirrlees/Brush Gensets, 1971, 500 RPM, 11 KV
Two	(2) 2.5 MW each	Mirrlees/Brush Gensets, 1973, 500 RPM, 11 KV
One	(1) 2.5 MW each	Mirrlees/Brush Genset, 1975, 500 RPM, 11 KV
One	(1) 3 MW each	Mirrlees/Brush Genset, 1975, 600 RPM, 11 KV

All of the above are in operating condition and could be fueled with Heavy Oil with the addition of fuel treating equipment.

The entire power plant which is still installed includes the building, switchgear, cooling towers, mufflers and auxiliaries.

This plant can be broken up for individual generator set sale.

Price (As is Where is, Australia) Please Contact Us.

Estimated cost to overhaul:	MAN Gensets	US\$400,000 each
	Stork Gensets	US\$300,000 each
	Mirrlees Gensets	US\$200,000 each

- These estimates will be verified once customer commits to an inspection.

Terms: To be determined at a later date and dependant on buyer financial strength.

69 MW Power Station
Engine Service Hours

<i>Engine #</i>	<i>Operational Hours to 6/17/96</i>	<i>Last Type of Overhaul</i>	<i>Hours to Next Overhaul</i>	<i>Type of Overhaul</i>
MAN 18	67,700	Top	3,380	Major
MAN 17	71,680	Top	960	Major
SWD 16	66,726	Top	5,800	Major
SWD 15	36,549	Major	1411	Top
SWD 14	37,362	Major	1,918	Top
MIRR 13	13,136		2,806	Top
MIRR 12	49,400	Top	12,070	Major
MIRR 11	81,970	Top	9,900	Major
MIRR 10	91,323	Top	8927	Major
MIRR 9	76,162	Top	15,000	Major
MIRR 8	81,869	Major	881	Top
MIRR 7	90,130	Major	2,920	Top
MIRR 6	96,200	Top	15,000	Major

Engine Statistic Report Summary

April 1996

The following has been correlated from a monthly report kept on this power station.

Station #1

With a plant factor at 67.41% the Mirrlees gensets average fuel consumption was 234.7 g/kWh, which if based on 18570 Btu/lb (LHV), these gensets heat rate would be about 9,588 Btu/kWh. The engine lube oil consumption is about 2.2 liters/hr (0.585 gal/hr).

Station #2

With a plant factor at 69.84% the Stork Werkspoor gensets average fuel consumption was 226.6 g/kWh, which if based on 18570 Btu/lb (LHV), these gensets heat rate would be about 9,258 Btu/kWh. The engine lube oil consumption is about 15.39 liters/hr (4.07 gal/hr).

With a plant factor at 65.5% the MAN gensets average fuel consumption was 217.6 g/kWh, which if based on 18570 Btu/lb (LHV), these gensets heat rate would be about 8,890 Btu/kWh. The engine lube oil consumption is about 28.14 liters/hr (7.43 gal/hr).

Total Station

With a total plant factor at 67.67% the power stations average fuel consumption was 224.3 g/kWh, which if based on 18570 Btu/lb (LHV), these gensets heat rate would be about 9,164 Btu/kWh. The plants average lube oil consumption if all the gensets were running at once would be approximately 103 liters/ht (27 gal/hr).

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