

ال قسم . Date : REPORT NO: 9

Dated : April 1, 1973.

Analysis of the Power Statistics relating to

Government Power Corporation, Muscat

Of

The Sultanate of Oman

For

The Period 1969 to 1972

(In Arabic and English

ص. ب ٥٥٠/ ٥٥٠ تلفون ٨- ٧ - ٢٨٠٦ برقياً : بلاندف تلكس : ام. بي ٢٨٠ جواب الشلكس : عماندوف ، مسقط P. O. Box 550 / 551 ※ Telephone 2806-7-8 ※ Cable: PLANDEV ※ Telex : MB 280. A. B. OMANDEV, MUSCAT 2 e 14:

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<u>REPORT NO. 9</u> Dated : 1/4/1973.

> Analysis of the Power Statistics relating to Government Power Corporation, Muscat for the period 1969 - 1972, INTRODUCTION

The Government Power Corporation which looks after the supply of electric power to the twin towns of Muscat and Mutrah was requested to supply information about Power Statistics in a proforma designed in the National Statistical Department. The information received is shown in Appendix I and II. In addition to the power generated by the Power Corporation, electricity is generated at Salalah and by the Power Corporation, electricity is generated at Salalah and by the P.O.(0) authorities for their own use. Morsover there are quite a few generating sets operating throughout Omen which produce electric power. Information about these categories is being collected separately. Thus, the following gives the piature for Government Power Corporation only.

### Installed and Generated Capacity

2. The installed capacity with the Power Corporation was 3 magawatts in 1969. It remained stationary during 1970 and 1971. During 1972, there was a sharp increase in the capacity and by the and of 1972 the capacity hed increased to 12 maga watts. (an increase of 300 percent). The information about units generated and sold during various years is given below:

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## Table 1 : Unites generated and units sold by Power

#### Corporation

1. Units generated	<u>1969</u> 6380	(In <u>1970</u> 8065	thousand <u>1971</u> 11961	Watte) 1972 22504
2. Units sold	5323	6825	10234	19351
<ol> <li>Unit sold expressed as percent of units generated.</li> </ol>	83.4	84.6	85.5	81.5

### Service lines installed

3. The number of service lines installed for the supply of electricity to the consumers during various years is shown below:

#### Table 2 : Number of service lines installed by Power

	Corporation	
Year	Number of service lines installed	Percentage increase over previous year
At take over	1382	
1969	238	
1970	344	44.5
1971	577	67.7
1972	995	72.4

It may be observed there has been an major increase in the installation of service lines during this period perticularly during the last two years.

REPORT NO. 9

# Aralysis of the Power Statistics relating to Constants Power Contraction (Names for the owing 1969 - 1975) Islandschut

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#### Installed and Lunchesed Convertey

2. The Installed Expective with the Power Encountien was 5 mapsunits in 1985. It excelmed stationery during 1970 and 1971. Duting 1972, there was a sharp increased in the escelity and her her and of 1972 was especity had increased in 12 maps white, (an inpresent of 300 percent). The Information about units generated and and during variate years in given friends.

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## Cost of generation of electricity

4. The average per unit cost of generation of electricity over various years is given below:

## Table 3 : Average per unit cost of generation of electricity

Year	<u>Cost per unit generated</u> (in baises)	Reduction in cost of gene- ration over previous year's , <u>cost (percent)</u>
1969	27	
1970	25	7.4
1971	16	36.0
1972	15	6.2

Thus over a period of 3 years the average per unit cost of generation has fallen from 27 beloes to 15 beloos - decremes of 44.4 percent.

#### Expenditure and Revenue.

5. The information about the expenditure and revenue of the Power Corporation for the period 1969 to 1972 is given below:

### Table 4 : Expenditure & Revenue of Power Corporation

		(In	thousand Rial Omani)
Year	Expenditure	Revenue	Profit (+) Loss (-)
1969	173.71	146.43	(-) 27.28
1970	201.48	182.54	(-) 18.94
1971	189.31	268,24	(+) 78.93
1972	326.97	460.31	(+) 133.34

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#### Corporate

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#### Sarvice Lines Lates

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It may be beerved there has been an helper increase in the instalistion of service lines during this period perticularly during the last two wares.

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From the above figures, the progress looks encouraging. Not only the per unit cost of generation has come down, the Corporation has shown an a increasing profit during the last two years. However, the present per unit cost is still quite high as compared to the cost of generation in other neighbouring countries. There is, therefore, need for bringing the cost further down in the near future.

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6. Break up of the expenditure under various items shows the following composition:

### Table 5 : Break up of the Expenditure under various items

### (Percent)

\*\*\*\* \* \*

Item	Percer	t of the	total expe	nditure
	1969	1970	1971	1972
1. Fuel, Lub Oil and Water	21	22	35	36
2. Salaries and Wages	13	19	19	15
<ol> <li>Other (including deprecia- tion and interest on loan)</li> </ol>	66	46	46	49
Total	100	100	100	100

Thus the main proportionate increase has been under Fuel, Lub Gil end Water which is perhaps unavoidable.

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## Table 4 : Expandibute & Havonus of House Cappergils

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48_8* (=)	48,581	201,105	
	266,24	109.21	1921
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Appendix I

National	Statistical	Department

Ι.	Installed Capacity		at the e	nd of	
	end generated	1969	1970	1971	1972
٩.	Installed Capacity (MW)	3	3	3	12
2.	Units generated (actual)	6,380	8,065	11,961	22,504
з.	Units sold	5,323	6,825	10,234	18,351
	(in thousands)				
II.	Number of Service lines		Total at th	e end of	
	installed (net)	1969	1970	1971	1972
	At take over 1382	238	344	577	995
III.	Cost per unit generated (Average per year)	1969	<u>1970</u>	<u>1971</u>	<u>1972</u>
	(In baisas)	27	25	16	15
IV.	Expenditure (Generation Distribution & Management)	<u>1969</u>	<u>1970</u>	<u>1971</u> (In Rial	<u>1972</u> Omani)
1.	.Fuel, Lub Dil and Water	35,879	44,537	65,799	119,278
2.	Salaries and Wages	22,131	25,690	36,715	48,850
3.	Other (Including Depricia- tion and Interest on loan)	114,696	131,252	86,793	159,841
٧.	Revenue (actual)			(In Rial	Omani)
		1969	1970	<u>1971</u>	1972
		146,429	182,543	268,239	460,304

Source : Government Power Corporation, Muscat vide their

letter No. M/12.10/605 dated 18th March, 1973.

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## Appendix II

## GOVERNMENT POWER CORPORATION

## MUSCAT

## STATISTICS FOR THE MONTH OF JAN. 173

	Estimated	Actual	<u>+ or -</u>	- 10 + K	
Jnits Generated	1,179,200	1,231,890	+ 52,690	+ 4%	
Jnits Sent out	1,111,200	1,139,735	+ 28,535	+ 3%	
Units Sold	970,000	1,089,507	+119,507	+10%	
Units used in Auxiliaries	68,000	92,155	+ 24,155	+26%	
Units used in Staff Quarters & Stores	5,700	6,119	+ 419	+ 7%	
Calculated Distributed efficiency	86%	95%	+ 7%	+ 7%	
Cost per unit generated	21 Baizas	20 Baizas	- 1 Baiza	s = 5%	
Fuel cost per unit generated	5.3 "	4.9 "	4 "	- 7%	
	Total Generation Cost		R.D. 24,734		
	Cost per uni	t sent out	22 baizas		
	Cost per uni	t sold	22.7 "		

## COMMERCIAL DEPARTMENT

Number	of	service	lines	installed	during	the	month	:	97
."		п	n	removed					4
н		consume:	rs bil	led during	the mor	nth:			3,441
Cash c	011	ected up	tom 3	1.1.1973 :			R.O.	22.2	29.197
Consum	ers	ledger	outsta	nding bala 3	nce as 1.1.197	at 3	R.O.	39,5	20,458

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1872				
		<u>9361</u>		
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		22,138		
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	+ 52,690	1,231,890	1,179,200	
172 ×		1,139,736	1,111,200	
		1,099,507		
	* 20,955	92,155		
			6,700	
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### TURMER DEPLETATION

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Number of service lines installed during the month : 99 n 4 7 removed 7 7 4 4 r consumers billed during the month? 5,441 Cesh collected up tam 31.7.1973 : 6.0. 25,229,197 31.1.1975 estending collected as 51