

### Summary of potential savings Movenpick deadsea.

Area	Annual Energy Savings			Investment Required (JD)	Pay Back Period (Years)
	KWh/yr		Cost Savings (JD/yr.)		
	Electrical	Thermal			
<b>Chapter 4 : Electrical System</b>					
New tariff			486	0	immediate
<b>Chapter 5 : Lighting System</b>					
Replacement of Conventional Ballast by Electronic Ballast for fluorescent lamps	79182		4988	6651	1.3
Replacement of 35 watt by 20 watt Halogen Lamps	47786		3011	1091	0.4
Replacement of 25 watt incandescent lamps by 7 watt Compact Fluorescent lamps	177245		11167	4093	0.37
<b>Chapter 6: Boilers</b>					
Tuning-Up the hot water boilers No1 & No.2		38181	<b>1202</b>	200	0.167
Lowering the stack temperature of the Right & the Middle hot water boilers		3636	<b>114</b>	0	immediate
Tuning-Up the middle boilers during one nozzle operation (SPA)		51363	<b>1618</b>	100	0.06
Replacing the Electrical Heater in the Jacuzzi with Hot Water heat exchanger.		115636	<b>1500</b>	1800	1.20
Insulating un-insulated surfaces		9818	<b>2745</b>	360	0.13
<b>Chapter 7: Heating Ventilation and Air Conditioning</b>					
Air economizer	12,188	-	770	2000	2.6
<b>Chapter 8: Cooling System</b>					
Run the efficient Chillers	31,277		4,235	Nil	Immediate
<b>Chapter 9: Swimming Pool</b>					
covering the winter pool and reducing temperature to 27° C		183,889	9,447	1,250	0.1
covering the Jacuzzi pool		50,833	2,576	165	0.1
covering the indoor pools		38,611	2,000	342	0.2
<b>Chapter 10: Solar Heating System</b>					
Installation of a solar heating system for domestic water heating		597,222	30,962	42,000	1.4
<b>Total</b>	<b>347,678</b>	<b>1177552</b>	<b>76821</b>	<b>60050</b>	<b>2.5</b>
<b>% Saving (based on 2004 consumption)</b>					<b>13.28 %</b>

