

Yearly Report: 2010

Date 15/10/2014

Station **Obied**

Unit	Generated GWh	Ka%	Aux.Consum p. GWh	Running Hours h	Diesel cons Tons/m	Gas cons Tons/m^3	Fernis cons Tons/m	Trips
7	1.52657	0	.0576	1982.59	176.44	188.72	0	3
8	1.67502	0	.0625	2176.76	190.79	212.23	0	4
ct1	.21832	7.96	0	304.84	0	50.51	0	1
CT2	1.61243	39.41	0	1575.51	0	374.59	0	4
SW1	7.35921	93.27	.03048	3337.35	1708.64	12.63	0	8
SW2	6.33097	78.61	.02796	3075.36	1476.81	0	0	9
SW3	5.44469	74.35	.17959	2945.02	1268.5	9.57	0	8
SW4	7.62106	93.75	.23805	3727.69	1788.09	0	0	7

Month of the Year	Monthly Generated GWh	Forecast GWh	Aux.Consump. GWh	Capability Factor (Ka)%	Gen.Target Factor %
01	6.098	1.534	.104	70.72	398.00%
02	6.057	1.534	.109	73.13	395.00%
03	7.013	.000	.133	78.14	.00%
04	6.462	.000	.115	81.70	.00%
05	4.751		.098	68.33	.00%
06	1.401		.036	64.72	.00%
07	.000		.000	100.00	.00%
08	.000		.000	100.00	.00%
09	.000		.000	100.00	.00%
10	.000		.000	100.00	.00%
11	.000		.000	100.00	.00%
12	.006		.000	97.92	.00%
Total	31.788	3.068	.596		1036.00%

Energy Managemen

Forecast	3.068	GWh
Generated	31.788	GWh
Aux.Consump	.596	GWh
Total unplanned Outages	1.860085	GWh
Planned Outages	14.5336	GWh
Losses due to Trips	.001	GWh

Unit Tripping

Unit	Trip Cause	Total
7	Engine over load.	1
7	Feeder earth fault.	4
7	0	0
8	0	0
8	loss of excitation	1
8	Feeder earth fault.	6
ct1	Feeder earth fault.	2
ct1	0	0
CT2	Engine over current.	1
CT2	Feeder earth fault.	6
CT2	0	0
SW1	0	0
SW1	Fuel oil low press.	2
SW1	Engine over current.	1
SW1	Generator protection	1
SW1	Feeder earth fault.	8

Yearly Report: 2010

Date 15/10/2014

SW2	loss of excitation	1
SW2	Fuel oil low press.	2
SW2	Engine over current.	1
SW2	Feeder earth fault.	8
SW2	0	0
SW2	Engine over volt.	1
SW3	Engine under frequency.	3
SW3	0	0
SW3	Feeder earth fault.	8
SW3	Engine over volt.	1
SW4	0	0
SW4	loss of excitation	1
SW4	Feeder earth fault.	6
SW4	Engine under frequency.	2
SW4	Engine over volt.	1
Total		68

Trip Statistics				
Unit	Plant failure	External fault	Human error	Total trips
7	1	2	0	3
8	1	3	0	4
ct1	0	1	0	1
CT2	1	3	0	4
SW1	4	4	0	8
SW2	5	4	0	9
SW3	4	4	0	8
SW4	4	3	0	7
Total	20	24	0	44

Outage Energy Losses (MWH)

Unit	Total Unplanned Outage	Planned Outages	Total Outages
7	0	0	0
8	0	0	0
ct1	1408.108	3387.8	4795.908
CT2	3.237	3153.8	3157.037
SW1	52.95	1716	1768.95
SW2	319.92	2406	2725.92
SW3	8.94	3168	3176.94
SW4	66.93	702	768.93
Total	1860.085	14533.6	16393.685

F.O Management

Month	Diesel Cons	Gas Oil Cons.	HFO Cons.	Diesel Delivery	Gas Oil Deliver	HFO Delivery
01	1265.11	141.25	0	1634.86	210.43	0
02	1252.46	148.24	0	781.46	222.42	0
03	1316.32	307.36	0	1209.1	162.76	0
04	1367.9	125.72	0	1183.36	127.49	0
05	1036.34	116.3	0	1137.22	115.81	0
06	369.68	9.38	0	671.16	190.58	0
07	0	0	0	-350	0	0
08	0	0	0	0	0	0
09	0	0	0	0	0	0
10	0	0	0	0	0	0

Yearly Report: 2010

Date 15/10/2014

11	0	0	0	0	0	0
12	1.46	0	0	0	0	0
Total	6609.27	848.25	0	6267.16	1029.49	0

The Cost of Energy Generated (SDG)

Month	KWh Cost
01	.276
02	.376
03	.279
04	.286
05	
06	
07	0
08	0
09	0
10	0
11	0
12	

Conclusion & Comments

<u>Total Energy Sent Out=</u>	<u>31.19209</u> GWh
<u>No. of Forced Outages=</u>	<u>0</u>
<u>No. of Planned Outages</u>	<u>0</u>
<u>Total No. Of Human Accidents=</u>	<u>0</u>

**Major Technical Problems In The Plant
During The Year and Still Outstanding**

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