

Asset Performance Statistics

Jhajjar

- Coal-fired power station
- 1,320MW (2x660MW)
- Plant commissioned in 2012
- Wholly owned and operated by CLP



Parameter	Unit	2016	2015	2014	2013
1. Operation					
Electricity sent out	GWh	2,965	5,406	5,877	5,375
Coal consumed	TJ	30,750	53,591	58,963	52,731
Oil consumed	TJ	103	71	36	21
Thermal efficiency	%	34.7	36.3	35.9	37.2
Equivalent availability factor (EAF)	%	93.2	82.5	80.0	89.5
2. Air Emissions					
CO ₂ e (Scopes 1 & 2)	kT	2,805	4,852	5,331	5,015
CO ₂ (Scopes 1 & 2)	kT	2,788	4,826	5,302	4,988
SO ₂	kT	12.0	11.9	18.9	15.8
NO _x	kT	4.0	4.7	7.1	4.8
Particulates (Total)	kT	1.3	2.6	4.3	0.6
3. Water					
Water Withdrawal	Mm ³	7.5	10.9	13.1	13.0
from marine water resources ⁽¹⁾	Mm ³	-	-	-	-
from freshwater resources	Mm ³	7.5	10.9	13.1	13.0 ⁽²⁾
from municipal sources ⁽¹⁾	Mm ³	-	-	-	-
Water Discharged	Mm ³	0	0	0	0
cooling water blowdown discharged ⁽³⁾	Mm ³	-	-	-	-
treated wastewater discharged ⁽³⁾	Mm ³	-	-	-	-
Water Reused / Recycled	Mm ³	37.0	54.2	66.2	- ⁽⁴⁾
4. Environmental Compliance					
Regulatory non-compliances resulting in fines or prosecutions	No.	0	0	0	0
Licence limit exceedances & other non-compliances	No.	2	12	1	2

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5. By-products & Waste Management

Ash produced	kT	753	1,179	1,139	1,023
Ash recycled / sold	kT	587	1,078	993	868
Gypsum produced	kT	0	8.1	0.4	5
Gypsum recycled / sold	kT	0	8.1	0.4	5
Hazardous waste ⁽⁵⁾					
produced	T (solid) / kl (liquid)	149 / 49	130 / 15	3 / 60	0 / 7
recycled	T (solid) / kl (liquid)	12 / 49	15 / 15	3 / 60	0 / 7
disposed	T (solid) / kl (liquid)	136 / 0	115 / 0	0 / 0	0 / 0
Non-hazardous waste ⁽⁵⁾					
produced	T (solid) / kl (liquid)	624 / 0	867 / 0	891 / 0	60 / 0
recycled	T (solid) / kl (liquid)	624 / 0	867 / 0	891 / 0	0 / 0
disposed	T (solid) / kl (liquid)	0 / 0	0 / 0	0 / 0	60 / 0

6. Safety

Employee - Fatalities	No.	0	0	0	0
Employee - Days lost / charged	Days	0	22	0	8
Employee - Lost Time Injuries ⁽⁶⁾	Cases	0	1	0	-
Employee - Occupational Disease ⁽⁶⁾	Cases	0	0	0	-
Employee - Total Work Hours ⁽⁶⁾	Manhours	457,320	390,776	487,688	-
Contractor - Fatalities ⁽⁶⁾	No.	1	0	0	-
Contractor - Lost Time Injuries ⁽⁶⁾	Cases	1	1	4	-
Contractor - Total Work Hours ⁽⁶⁾	Manhours	3,537,216	3,480,904	3,421,256	-

Notes:

(1) Not applicable to Jhajjar.

(2) Data updated to align with reporting definition.

(3) All wastewater is treated and reused on site, no wastewater is being discharged out of site boundary.

(4) No measurement data are routinely collected.

(5) Waste categorised in accordance with local regulations. Contractor waste is included.

(6) Started reporting in 2014.

2016 data have been independently verified by DNV GL Business Assurance India Pvt Limited.