

# HSE Management Systems

## Safety Management System

Asset	Generation Type	Safety Management	
		Safety Management System	NOSA Audit in 2019 (Grading)
<b>HONG KONG</b>			
Castle Peak	Coal	ISO45001:2018	N/A
Black Point	Gas	ISO45001:2018	N/A
Penny's Bay	Oil	ISO45001:2018	N/A
Transmission & Distribution Network	Power Delivery	ISO45001:2018	N/A
<b>MAINLAND CHINA</b>			
Fangchenggang I & II	Coal	NOSA	5 stars <sup>1</sup>
Laiwu I & II	Wind	OHSAS 18001 & NOSA	4 stars
CLP Laizhou I & II	Wind	OHSAS 18001 & NOSA	3 stars
Penglai I	Wind	OHSAS 18001 & NOSA	5 stars
Qian'an I & II	Wind	OHSAS 18001 & NOSA	5 stars
Sandu I	Wind	OHSAS 18001 & NOSA	3 stars
Xundian I	Wind	OHSAS 18001 & NOSA	4 stars
Dali Yang_er	Hydro	ISO45001 & NOSA	5 stars
Huaiji	Hydro	ISO45001 & NOSA	5 stars and 4 stars <sup>2</sup>
Jiangbian	Hydro	ISO45001 & NOSA	5 stars
Huai'an	Solar	Under Development	N/A
Jinchang	Solar	OHSAS 18001 & NOSA	4 stars
Lingyuan	Solar	Under Development	N/A
Sihong	Solar	ISO45001 & NOSA	4 stars
Xicun I & II	Solar	ISO45001 & NOSA	4 stars
Meizhou	Solar	Under Development	N/A
<b>INDIA</b>			
Jhajjar	Coal	NOSA	5 Stars
Andhra Lake	Wind	N/A <sup>3</sup>	N/A <sup>3</sup>
Bhakrani	Wind	N/A <sup>3</sup>	N/A <sup>3</sup>
Chandgarh	Wind	N/A <sup>3</sup>	N/A <sup>3</sup>
Harapanahalli	Wind	N/A <sup>3</sup>	N/A <sup>3</sup>
Jath	Wind	N/A <sup>3</sup>	N/A <sup>3</sup>
Khandke	Wind	N/A <sup>3</sup>	N/A <sup>3</sup>
Mahidad	Wind	N/A <sup>3</sup>	N/A <sup>3</sup>

Safety Management			
Asset	Generation Type	Safety Management System	NOSA Audit in 2019 (Grading)
Samana I & II	Wind	N/A <sup>3</sup>	N/A <sup>3</sup>
Saundatti	Wind	N/A <sup>3</sup>	N/A <sup>3</sup>
Sipla	Wind	N/A <sup>3</sup>	N/A <sup>3</sup>
Tejuva	Wind	N/A <sup>3</sup>	N/A <sup>3</sup>
Theni I & II	Wind	N/A <sup>3</sup>	N/A <sup>3</sup>
Tornado	Solar	N/A <sup>3</sup>	N/A <sup>3</sup>
Gale	Solar	N/A <sup>3</sup>	N/A <sup>3</sup>
Veltoor	Solar	N/A <sup>3</sup>	N/A <sup>3</sup>
Satpura Transco Private Limited (STPL) Transmission Network <sup>4</sup>	Power Delivery	ISO 45001	N/A
<b>AUSTRALIA</b>			
Mount Piper	Coal	OHSAS 18001	N/A
Yallourn	Coal	OHSAS 18001	N/A
Hallett	Gas	OHSAS 18001	N/A
Tallawarra	Gas	OHSAS 18001	N/A
Jeeralang	Gas	AS 4801 <sup>5</sup>	N/A
Newport	Gas	AS 4801 <sup>5</sup>	N/A

- NOSA - National Occupational Safety Association
- N/A - Not Applicable to the type of operation

- Under Development - System being set up with resources and staff support in place
- OHSAS - Occupational Health and Safety Assessment Series

1 The NOSA audit in Fangchenggang for 2019 was completed in January 2020.

2 The Weifa station obtained 5 stars and the Gaotang station obtained 4 stars.

3 The contractors implement their own safety management systems with reference to CLP's safety standards and guidelines.

4 CLP acquired Satpura Transco Private Limited (STPL) transmission network in November 2019 and will report its HSE data in 2020 reporting cycle. Its ISO14001 Environmental Management System will be developed within two years.

5 Audit completed to upgrade to OHSAS 18001 and currently working on closing out findings by April 2020.

## Environmental Management System

Asset	Generation Type	Environmental Management System	CEMS	Environmental Management				
				Particulate Control Equipment	Low NO <sub>x</sub> Burner	FGD	Water Management	Waste Management
<b>HONG KONG</b>								
Castle Peak	Coal	ISO14001	Yes	Yes	Yes	Yes	Yes	Yes
Black Point	Gas	ISO14001	Yes	N/A	Yes	N/A	Yes	Yes
Penny's Bay	Oil	ISO14001	Nil	N/A	N/A	N/A	Yes	Yes
Transmission & Distribution Network	Power Delivery	ISO14001	N/A	N/A	N/A	N/A	Yes	Yes
<b>MAINLAND CHINA</b>								
Fangchenggang I & II	Coal	ISO14001	Yes	Yes	Yes	Yes	Yes	Yes
Laiwu I & II	Wind	ISO14001	N/A	N/A	N/A	N/A	Yes	Yes
CLP Laizhou I & II	Wind	ISO14001	N/A	N/A	N/A	N/A	Yes	Yes
Penglai I	Wind	ISO14001	N/A	N/A	N/A	N/A	Yes	Yes
Qian'an I & II	Wind	ISO14001	N/A	N/A	N/A	N/A	Yes	Yes
Sandu I	Wind	ISO14001	N/A	N/A	N/A	N/A	Yes	Yes
Xundian I	Wind	ISO14001	N/A	N/A	N/A	N/A	Yes	Yes
Dali Yang_er	Hydro	ISO14001	N/A	N/A	N/A	N/A	Yes	Yes
Huaiji	Hydro	ISO14001	N/A	N/A	N/A	N/A	Yes	Yes
Jiangbian	Hydro	ISO14001	N/A	N/A	N/A	N/A	Yes	Yes
Huai'an	Solar	ISO14001	N/A	N/A	N/A	N/A	Yes	Yes
Jinchang	Solar	ISO14001	N/A	N/A	N/A	N/A	Yes	Yes
Lingyuan	Solar	Under Development	N/A	N/A	N/A	N/A	Yes	Yes
Sihong	Solar	ISO14001	N/A	N/A	N/A	N/A	Yes	Yes
Xicun I & II	Solar	ISO14001	N/A	N/A	N/A	N/A	Yes	Yes
Meizhou	Solar	Under Development <sup>1</sup>	N/A	N/A	N/A	N/A	Yes	Yes
<b>INDIA</b>								
Jhajjar	Coal	ISO14001	Yes	Yes	Yes	Yes	Yes	Yes
Andhra Lake	Wind	ISO14001	N/A	N/A	N/A	N/A	Yes	Yes
Bhakrani	Wind	ISO14001	N/A	N/A	N/A	N/A	Yes	Yes
Chandgarh	Wind	ISO14001	N/A	N/A	N/A	N/A	Yes	Yes
Harapanahalli	Wind	ISO14001	N/A	N/A	N/A	N/A	Yes	Yes
Jath	Wind	ISO14001	N/A	N/A	N/A	N/A	Yes	Yes
Khandke	Wind	ISO14001	N/A	N/A	N/A	N/A	Yes	Yes

Asset	Generation Type	Environmental Management System	Environmental Management					Water Management	Waste Management
			CEMS	Particulate Control Equipment	Low NO <sub>x</sub> Burner	FGD			
Mahidad	Wind	ISO14001	N/A	N/A	N/A	N/A	Yes	Yes	
Samana I & II	Wind	ISO14001	N/A	N/A	N/A	N/A	Yes	Yes	
Saundatti	Wind	ISO14001	N/A	N/A	N/A	N/A	Yes	Yes	
Sipla	Wind	ISO14001	N/A	N/A	N/A	N/A	Yes	Yes	
Tejuva	Wind	ISO14001	N/A	N/A	N/A	N/A	Yes	Yes	
Theni I & II	Wind	ISO14001	N/A	N/A	N/A	N/A	Yes	Yes	
Tornado	Solar	Under Development <sup>2</sup>	N/A	N/A	N/A	N/A	Yes	Yes	
Gale	Solar	Under Development <sup>2</sup>	N/A	N/A	N/A	N/A	Yes	Yes	
Veltoor	Solar	ISO14001	N/A	N/A	N/A	N/A	Yes	Yes	
Satpura Transco Private Limited (STPL) Transmission Network <sup>3</sup>	Power Delivery	Under Development	N/A	N/A	N/A	N/A	Yes	Yes	
<b>AUSTRALIA</b>									
Mount Piper	Coal	ISO14001	Yes	Yes	Nil	Nil	Yes	Yes	
Yallourn	Coal	ISO14001	Yes	Yes	Nil	Nil	Yes	Yes	
Hallett	Gas	ISO14001	Nil	N/A	Nil	N/A	Yes	Yes	
Tallawarra	Gas	ISO14001	Yes	N/A	Yes	N/A	Yes	Yes	
Jeeralang	Gas	ISO14001	Nil	N/A	Nil	N/A	Yes	Yes	
Newport	Gas	ISO14001	Yes	N/A	Nil	N/A	Yes	Yes	

- CEMS - Continuous Emission Monitoring System
- FGD - Flue Gas Desulphurisation
- Nil - Not required by operational license
- N/A - Not Applicable to the type of operation (for Environmental Management)
- Under Development - System being set up with resources and staff support in place

1 Meizhou solar farm, acquired in 2019, will develop its ISO14001 Environmental Management System within two years.

2 Gale and Tornado solar farm, acquired in 2018 and 2019, will develop its ISO14001 Environmental Management System within two years.

3 CLP acquired Satpura Transco Private Limited (STPL) transmission network in November 2019 and will report its HSE data in 2020 reporting cycle. Its ISO14001 Environmental Management System will be developed within two years.