sembcorp

Driving Energy Transition

LEADING ASIAN ENERGY PLAYER

Sembcorp is a leading Asian renewable and low-carbon energy player, we are driving a just and balance energy transition that supports our partners and communities.

Total Energy Portfolio

28.3GW

Across 11 Countries

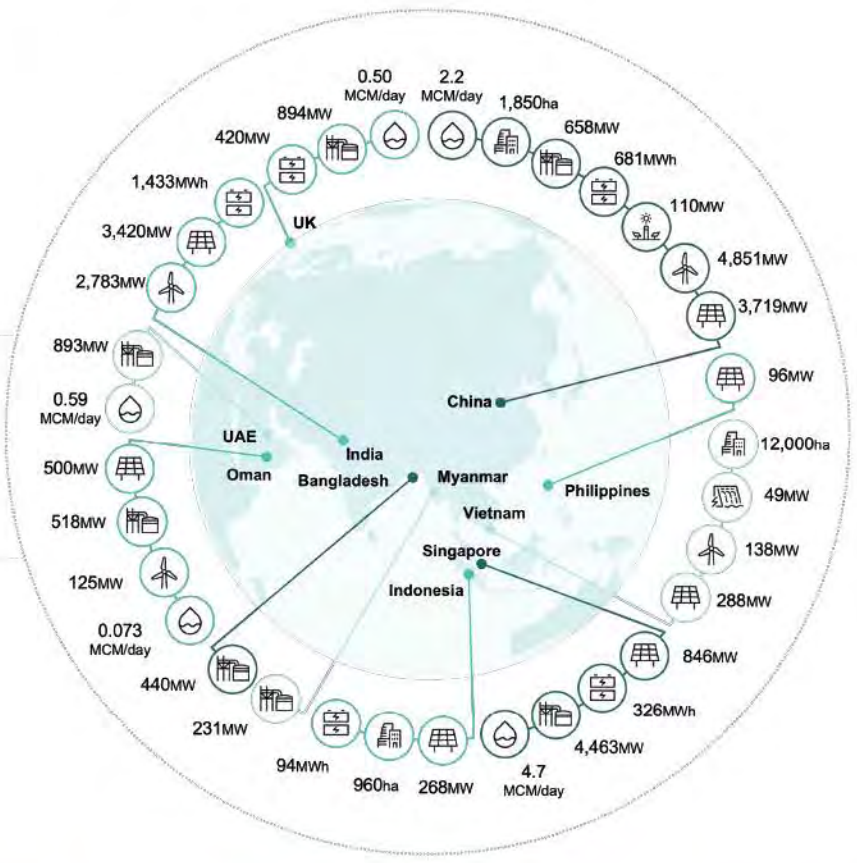
From Renewable Energy

20.2GW*

*Gross renewables capacity includes acquisitions pending completion and projects secured and under construction

49.5%

TEMASEK HOLDINGS Shareholding



WIND **7.9GW**

SOLAR **9.2GW**

ENERGY STORAGE SYSTEMS **3.0GWh**

HYDRO **49MW**

GAS AND RELATED SERVICES **8.0GW**

www.sembcorpmyingyanipp.com

Sembcorp Industries Ltd

Driving Energy Transition

MYANMAR'S LANDMARK POWER PLANT

SEMBCORP MYINGYAN POWER COMPANY

Water pipelines transport feedwater to the power plant and discharge treated wastewater from the power plant

230kV **transmission towers** transmit electricity from the power plant to the national power grid

Water pump station draws water from Ayawaddy River to be used for the power plant's steam turbines and cooling systems

6.6kV **overhead transmission lines** supply electricity from the power plant to the water pump station

- One of the largest and most efficient power plants
- First internationally financed independent power project
- First to power entire Administrative Building and Warehouse with solar energy
- Environmental and Social Impact Assessment (ESIA) done in accordance with national and international standards

99% Myanmar nationals (**24% from Myingyan District**)
1% Foreigners

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MITIGATING ENVIRONMENTAL IMPACT

We implement a robust environmental management plan to mitigate potential impacts on the surrounding environment, in accordance with the guidelines of the Ministry of Natural Resources and Environmental Conservation (MONREC) and the World Bank^.

AIR QUALITY MANAGEMENT

- Emissions monitored and reduced following MONREC standards
- Air pollutants dispersed by air emission stacks to reduce ground level concentration
- NOx emissions reduced to below 25ppm at all times by built-in NOx burners
- Continuous Emission Monitoring Systems (CEMS) installed

Ambient Air Quality Readings (Tested quarterly)*

Parameters	March 2025				June 2025				September 2025				MONREC	World Bank	Unit
	ASR 4	ASR 3	ASR 5	ASR 14	ASR 4	ASR 3	ASR 5	ASR 14	ASR 4	ASR 3	ASR 5	ASR 14			
PM_{10}	12.92	10.38	12.82	11.37	10.76	11.9	13.41	9.92	10.86	11.00	12.49	9.16	-	50	µg/m³
$PM_{2.5}$	6.56	5.02	6.43	6.01	5.11	5.85	6.45	4.97	5.38	5.52	6.39	4.67	-	25	µg/m³
CO	0.00028	0.00027	0.00046	0.00048	0.00223	0.0037	0.00349	0.00272	0.0028	0.003	0.0029	0.0023	-	9	ppm
CO_2	412.22	391.96	432.56	424.79	378.98	392.17	382.97	371.98	360.86	381.94	369.44	343.08	-	5000	ppm
SO_2	0.52	0.3	0.5	0.51	3.28	4.17	4.19	3.04	5.24	4.72	6.80	4.98	20	20	µg/m³
NO_2	12.36	8.75	7.08	8.71	5.25	6.69	8.95	6.83	5.42	7.10	6.69	7.16	200	200	ug/m³

WASTEWATER MANAGEMENT

- Liquid effluents treated at Sewage Treatment Plant to meet MONREC standards before discharge
- Online sensors installed at Central Monitoring Basin for pH, turbidity and chlorine levels ensure standards compliance to ensure non-disruption of effluent discharge
- Wastewater from canteen kitchens are discharged into sanitary sewers via grease traps
- Regular monitoring of wastewater quality conducted by internal and external parties

Surface Water Quality (Tested monthly internally and quarterly by 3rd party)*

No	Parameters	Unit	Jan-25	Feb-25	Mar-25	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	MONREC & World Bank
1	Wastewater Discharge (pH)	S.U.	7.97	8.01	7.91	8.04	8.11	7.53	7.46	7.67	7.39	7.98	7.82	6~9
2	TSS[1]	mg/l	9	11	2	6	11	16	7	7	20	13	10	50
3	COD	mg/l	0	12	14	11	17	23.6	37	64	14.9	47	5	125
4	Oil & Grease[1]	mg/l	-	-	<3.1	-	-	<3.1	-	-	<3.1	-	-	10
5	Total Nitrogen	mg/l	0	7	1.8	6	6	2.9	5	1	1.4	0	4	10
6	Total Phosphorus	mg/l	0.882	1.4	1.42	1.4	1.56	1.5	1.24	1.33	1.33	0.78	1	2
7	Mercury[1]	mg/l	-	-	<0.002	-	-	<0.002	-	-	<0.002	-	-	0.005
8	Zinc[1]	mg/l	-	-	0.5	-	-	0.318	-	-	0.238	-	-	1
9	Arsenic[1]	mg/l	-	-	<0.010	-	-	<0.010	-	-	<0.010	-	-	0.5
10	Total Chromium[1]	mg/l	-	-	<0.002	-	-	<0.002	-	-	<0.002	-	-	0.5
11	Cadmium[1]	mg/l	-	-	<0.002	-	-	<0.002	-	-	<0.002	-	-	0.1
12	Copper[1]	mg/l	-	-	<0.002	-	-	<0.002	-	-	<0.002	-	-	0.5
13	Lead[1]	mg/l	-	-	<0.002	-	-	<0.002	-	-	<0.002	-	-	0.5
14	Iron	mg/l	0.33	0.09	0.108	0.06	0.06	0.039	0.081	0.058	0.242	0.13	0.08	1
15	Total Chlorine	mg/l	0.01	0	<0.1	0	0	<0.1	0	0	<0.1	0	0.01	0.2
16	Temperature Increase	°C	-2.7	-2.7	-1.7	-1.8	-1.2	0.7	-0.8	-1.0	-1.1	-1.8	-1.2	<3 -

NOISE MANAGEMENT

- Noise quality inside and outside the plant monitored regularly to ensure compliance with MONREC standards

Noise Levels (Tested quarterly)*

Monitoring point		Mar-25	Jun-25	Sep-25	MONREC & World Bank	Unit
Sembcorp Myingyan Power Plant	Day	54.77	55.58	52.27	70	db
	Night	55.03	54.75	50.18	70	db

*Highest recorded readings
^MONREC Guidelines:
https://www.ecd.gov.mm/wp-content/uploads/2020/12/National-Environmental-Quality-Emission-Guidelines.pdf
World Bank Guidelines:
https://www.ifc.org/content/dam/ifc/doc/2000/2008-thermal-power-ehs-guidelines-en.pdf
[1]IFC EHS Guidelines 2008 (Thermal Power):
https://www.ifc.org/content/dam/ifc/doc/2000/2008-thermal-power-ehs-guidelines-en.pdf" and
[2]Intervention values for Soil Remediation (Dutch Standard, 2000):
https://support.esdat.net/Environmental%20Standards/dutch/annexs_i2000dutch%20environmental%20standards.pdf

WASTE MANAGEMENT

- Domestic, industrial and hazardous waste materials regularly collected and disposed of by authorised collector
- Medical waste incinerated in the Myingyan Hospital compound
- Sludge properly disposed of in designated sludge disposal area outside of Myingyan

Sludge Quality (Tested biannually)*

No	Parameters	Unit	Mar-25	Sep-25	Dutch Standard[2]
1	Cadmium	mg/kg	0.048	1.292	12
2	Arsenic	mg/kg	37.91	3.740	55
3	Lead	mg/kg	0.68	6.936	530
4	Mercury	mg/kg	≤0.068	≤0.068	10
5	Selenium	mg/kg	≤0.340	≤0.340	100
6	Chromium	mg/kg	1.53	4.488	380
7	pH (sludge pH measured in water at 25°C)		7.85	7.32	

GIVING BACK TO OUR COMMUNITY

Our operations in Myingyan have contributed to local job creation and facilitated knowledge transfer within the community. In 2025, we successfully implemented 19 initiatives aimed at enhancing the quality of life for local residents. These initiatives provided support across key areas, including education, healthcare, clean energy and access to safe drinking water.

Improving Livelihood Skills
Trained 24 women in basic tailoring and design

Youth Development
Conducted Basic 4-Skill English training to build communication skills for workplace readiness

Infrastructure Enhancements
Built fences for schools & clinic compounds, and village main gates

Enhance Access to Clean Drinking Water
Contributed 112 water filters to support community water treatment system

Storage Containers
Provided clean containers to communities

Solar Street Lights
Enhanced safety & quality of life

Completion of CSR activities for Year 2025

No	Parameters	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	Water Treatment Filters Support to 13 Villages												
2	Basic Tailor and Designer Training (Gyoke Pin)												
3	Ka Lain Chone Village School - Classroom Ceiling												
4	Ma Yoe Kone Village Clinic - Brick Wall Fence												
5	Aye Village - Village Entrance Doors												
6	Sarhaar Village - Clean Energy Support (SDG7)												
7	Nyaung Kan Village - Clean Energy Support (SGD7)												
8	Theim Village School - Water Tank												
9	Gyoke Pin Village - Clean Energy Support (SGD7)												
10	Hta Naung Tai Village - Clean Energy Support (SDG7)												
11	Tha Pyay Thar Village School - Clean Energy Support (SGD7)												
12	Skill set Training (Aye)												
13	English 4 Skills - Beginner Level (GTI and Intership)												
14	Hnan Village School - Brick Wall Fence												
15	Phet Taw Village School - Brick Wall Fence												
16	Clean Drum Contribution to the Community												
17	Skill set Training (Hta Naung Tai)												
18	Sate Nyan Village - School Toilet												
19	Kyun U Village School - School Brick Wall Fence												

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ENGAGING OUR STAKEHOLDERS

We actively engage with our stakeholders by hosting annual public meetings and organizing regular initiatives throughout the year to foster ongoing collaboration and communication.

We value your feedback! Scan here to share your thoughts with us.

Sembcorp values and encourages feedback from all stakeholders as they play a vital role in our continuous improvement efforts.

To ensure transparency and effective resolution, all village representatives are part of a dedicated Grievance Committee tasked with addressing suggestions and concerns from affected individuals.

If you have any suggestions, issues, or concerns, please submit through the suggestion boxes or by contacting any Sembcorp staff directly.

The Grievance Committee includes representatives from:

- Village communities
- Electric Power Generation Enterprise (EPGE)
- Sembcorp Myingyan Power Company (SMPC) including:
  - Government Affairs Manager
  - Plant Manager
  - HR & Admin Manager
  - HSSE Manager
  - Community Relations Team