



# **ASSESSMENT REPORT**

REPORT NUMBER: STS-ESG-W15840F004-2023-06-20-001-R00

**ISSUANCE DATE: 2023/6/20** 

## **ESG REMOTE ASSESSMENT**

**CLIENT: SSCP Members** 

**ORGANIZATION** Confidential

**SEQUENCE: Initial** 



## 1. Assessment Information

- 2. Company profile
- 3. ESG Summary
- 4. ESG Assessment
- 5. Annexure



1. Assessment Information

Initial Report Number: STS-ESG-W15840F004-2023-06-06-001-R00

Issuance date: 2023/6/20
Organization: Confidential
Site: Confidential

## 1. GENERAL INFORMATION

Name: SSCP Members	
Country: N/A	

ORGANIZATION			
Name:	Confidential		
Site:	Confidential		
Address:	Confidential		
Address 2:	~		
Province/ State / Region:	Zhejiang		
Country:	China		

ASSESSMENT	
Туре:	ESG REMOTE ASSESSMENT
Sequence:	Initial
Standard:	UN Guiding Principles on Business and Human Rights, UN Global Compact Principles, UN Sustainable Development Goals, Core ILO Conventions, SA8000 Social Accountability, ISO26000 Guidance on social responsibility, ISO 14001 environmental management system.
Scope:	Sustainability Management, Labor & Human Rights, Health & Safety, Ethics, Environment & Responsible Sourcing
Assessment Dates:	June 1, 2023 ~ June 6, 2023

ASSESSMENT						
Report Number: STS Auditor(s) Name STS Authorized Approver Name						
STS-ESG-W15840F004-2023-06-20-001-R00	Adam Wang	Shivkumar Baghele				
Work order:	Adam wang					
W15840F004	Signature of Auditor(s)	Signature of Approver				
Issuance Date:	A1. 71/2.					
2023/6/20	Adam Wang					

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## **GENERAL INFORMATION**

Manufacturer Name	Confidential	
Headquarter	Confidential	
City	Confidential	
State / Province	Zhejiang	
Country	China	
Ownership	Private	
Ownership Structure	Joint Stock Company	
Ownership Origin	China	
CEO / President	Confidential	

#### **GROUP NUMBER OF EMPLOYEES**

Total	2497
Production	1544
R&D	14
Quality	196
Administration	42
Others	701

## **GROUP PRODUCTION CAPACITY**

Product	Capacity	Measuring Unit
Solar Module (Polysilicon series)	165 per year	MW
Solar Module (M2 series)	715 per year	MW
Solar Module (G1 series)	888 per year	MW
Solar Module (M6 series)	2685 per year	MW
Solar Module (M10 series)	66 per year	MW
Solar Cell (M2 series)	1463 per year	MW
Solar Cell (G1 series)	2066 per year	MW
Solar Cell (M6 series)	5763 per year	MW
Solar Cell (M10 series)	6770 per year	MW

#### MANUFACTURING FOOTPRINT

Site name	Location	Date started	5	Production capacity				
	(Country, state, city)	(production)	Product	2019	2020	2021	2022	2023
			M2	302MW	33MW	31MW	29MW	4MW
Solar Module	Camfidantial		G1	0	187MW	59MW	9MW	0
Factory 1	Confidential, Zhejiang Province,	2011/1/1	M6	0	79MW	272MW	455MW	151MW
r actory r	China		M10	0	0	36MW	11MW	7MW
			Polysilicon	35MW	11MW	0	0	0
	Confidential, Zhejiang Province, China	iang Province, 2018/5/1	M2	176MW	121MW	0	0	18MW
Solar Module			G1	56MW	144MW	234MW	183MW	12MW
Factory 2			M6	0	0	64MW	181MW	67MW
			Polysilicon	12MW	75MW	32MW	0	0
Solar Module	Confidential,		G1	0	5MW	0	0	0
Factory 3	Zhejiang Province, China		M6	0	80MW	484MW	668MW	184MW
China		China		M10	0	0	0	0
Calan Call	Zhejiang Province, China		M2	801MW	400MW	47MW	158MW	58MW
Solar Cell Factory 2		2010/9/1	G1	0	456MW	557MW	268MW	11MW
1 dotory Z				M6	0	25MW	204MW	1MW
Solar Cell	Confidential,	2020/6/1	G1	0	52MW	85MW	76MW	563MW
Factory 6	Zhejiang Province, China	2020/0/1	M6	0	874MW	2163MW	2353MW	142MW
Solar Cell Factory 7	Confidential, Zhejiang Province, China	2021/10/1	M10	0	0	388MW	4713MW	1669MV

## 2.2 Manufacturing Site Profile

## GENERAL INFORMATION

Site Name	Confidential
City	Confidential
State / Province	Zhejiang
Country	China
Date of Registration	1999/3/30
Number of Workshops	6
Number of Lines	47

## SITE NUMBER OF EMPLOYEES

Total	2497
Production	1544
R&D	14
Quality	196
Administration	42
Others	701

## SITE PRODUCTION CAPACITY

Product	Capacity	Measuring Unit
Solar Module (Polysilicon series)	165 per year	MW
Solar Module (M2 series)	715 per year	MW
Solar Module (G1 series)	888 per year	MW
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Solar Module (M10 series)	66 per year	MW
Solar Cell (M2 series)	1463 per year	MW
Solar Cell (G1 series)	2066 per year	MW
Solar Cell (M6 series)	5763 per year	MW
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Initial

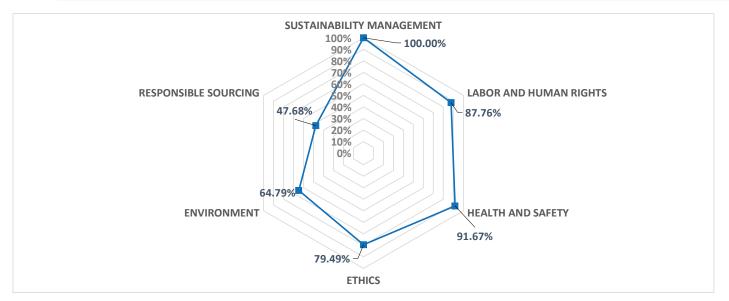
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### 3.1 ESG RESULTS SUMMARY

ESG IRONMENT,SOCIAL,GOVERNANCE) REMOTE ASSESSMENT RESULT	EVALUATION ELEMENTS	Score Achieved	Maximum Score	Score Achieved (%)	Weightage of Section (%)	Net Score Achieved	Final Score (%)
OVERNAI RESULT	SUSTAINABILITY MANAGEMENT	19.0	19.0	100.00%	10.00%	10.00%	
S IAL,G(	LABOR AND HUMAN RIGHTS	43.0	49.0	87.76%	25.00%	21.94%	79.19%
ESG F,SOCI SSESSIN	HEALTH AND SAFETY	22.0	24.0	91.67%	20.00%	18.33%	
VIMEN OTE A	ETHICS	10.3	13.0	79.49%	10.00%	7.95%	
(ENVIRONMENT REMOTE AS	ENVIRONMENT	46.0	71.0	64.79%	25.00%	16.20%	
	RESPONSIBLE SOURCING	15.7	33.0	47.68%	10.00%	4.77%	



## STRENGTHS

The Site has a certified Social responsibility management system in place (SA 8000:2014). The company has a Social Responsibility Performance Group responsible for the management of human rights topics withing the company. The site has social responsibility objectives, indicators and management plan, trainings and a well-documented grievance procedure.

The site has implemented a number of specific social responsibility procedures, including "Forced labor control procedure" and "Relief and Protection Control Procedure for Child and Underage Workers." Trainings are also conducted on those topics.

The site does not work with employment agencies and all employees are directly contracted by the company in observance of the minimum employment age in China (which is 16 years of age).

### OPPORTUNITIES FOR IMPROVEMENT

The company should consider extending its human rights management system to cover more substantially external stakeholders as well. This may include, conducting stakeholder consultations and establishing partnership with local authorities to address specific issues. In case any impacts are detected, a remediation process should be in place. Stakeholders refers to anybody impacted by a company's operations and goes beyond shareholders and employees.

The company may want to consider reducing the consumption of minerals during production, including by using recycled materials.

ESG considerations should be part of the Supplier Management Policy and should be taken into account in the full procurement lifecycle, including supplier qualification.



# ESG REMOTE ASSESSMENT 3. ESG Summary

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Audited organization: Confidential
Site: Confidential

## **3.2 ESG ASSESSMENT DIVERGING POINTS**

A diverging point is recorded when the Manufacturer has selected an answer, but STS has not been able to verify the claim. It may be that 1) STS deemed that the evidence provided was not sufficient or relevant for the verification, or that 2) no evidence was provided at all. Either way, the point is marked as "diverging.

YES ✓ NO

Section	No	Requirements	Selection by Manufacturer in ESG Questionnaire	STS auditor comment
N/A	N/A	N/A	N/A	N/A



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## 4.1 SUSTAINABILITY MANAGEMENT

SR NO	REQUIREMENTS	MAXIMUM SCORE	ACHIEVED SCORE	STATUS OF VERIFICATION	AUDITOR COMMENTS
MANA	AGEMENT PERSON				
1	The company has a management person res	sponsible fo	or:		
<b>√</b>	Social Sustainability			Verified	Manufacturer has provided the contact details for the Environmental Protection engineer, and the management
✓	Compliance	3	3	Verified	responsible for Social Sustainability, Compliance, and Environmental Sustainability.  2. Checked the "2022 Environmental, Social, and Governance (TSC) Proceedings of the Confidence of the Conf
✓	Environmental Responsibility			Verified	(ESG) Report of Confidential" (Certification body: TUV Nord; Audit Period: 2023/2/27-2023/3/1.)".
SUST	AINABILITY REPORT				
2	The company publishes a sustainability rep	ort.			
✓	Yes	2	2	Verified	Checked the "2022 Environmental, Social, and Governance (ESG) Report of Confidential": Certification body: TUV Nord. Audit Period: 2023/2/27-2023/3/1.
0.4	The containability consult is been don interes	tion of the same			
✓	The sustainability report is based on internation of the sustainability report is based on international version of the sustainability report is based on international version of the sustainability report is based on international version of the sustainability report is based on international version of the sustainability report is based on international version of the sustainability report is based on international version of the sustainability report is based on international version of the sustainability report is based on international version of the sustainability report is based on international version of the sustainability report is based on international version of the sustainability report is based on international version of the sustainability report is based on the sustainability report is based on the sustainability report is based on the sustainability of the sustainability report is based on the sustainability of the sustainability report is based on the sustainability of the sustai	2	ognized guid	Verified	Based on the requirements of the "Environmental, Social and Governance Guidelines" of the Hong Kong Stock Exchange for sustainable development reports, the report has been evaluated.     According to the requirements of the "GRI Sustainable Development Reporting Standards (GRI Standards)" for social responsibility reporting in terms of balance, comparability, accuracy, timeliness, clarity, and reliability, the report has been evaluated.
					According to the "AA1000 Verification Standard (V3)".
2.2	The report assured by a third party.				0
✓	Yes	2	2	Verified	Checked the "2022 Environmental, Social, and Governance (ESG) Report of Confidential": Certification body: TUV Nord. Audit Period: 2023/2/27-2023/3/1.
	No				ESG Website link: https://www.chinadmegc.com/investor.html?sweiper=4
CODE	OF CONDUCT				
3	The company has a Code of Conduct.				
✓	Yes	2	2	Verified	Manufacturer has provided the "Code of business conduct and ethics (Document No.: SA-TYN-09)".
3.1	The Code of Conduct covers the following to Environment, health, and safety	opics:		Verified	Manufacturer has provided the "Code of business conduct and ethics (Document No.: SA-TYN-09)", which includes "Health and safety" in chapter 12.
•	LIVIORITION, Iteals, and Salety	_		vermeu	<ol> <li>Manufacturer has provided the "Occupational health guidance (Document No.: 01222S30453R3M)", and "Environmental protection guidance (Document No.: 01221E20316R6L)".</li> </ol>
✓	Harassment and discrimination	_		Verified	Manufacturer has provided the "Code of business conduct and ethics (Document No.: SA-TYN-09)", which includes "Harassment and discrimination" in chapter 10.
✓	Freedom of association and collective bargaining			Verified	Manufacturer has provided the "Code of business conduct and ethics (Document No.: SA-TYN-09)", which includes "Freedom of association and collective bargaining" in chapter 13.
✓	Privacy and personal data protection			Verified	Manufacturer has provided the "Code of business conduct and ethics (Document No.: SA-TYN-09)", which includes "Privacy and personal data protection" in chapter 6.
✓	Confidential information	2	2	Verified	Manufacturer has provided the "Code of business conduct and ethics (Document No.: SA-TYN-09)", which includes "Confidential information" in chapter 6.
✓	Conflict of interests	2	2	Verified	Manufacturer has provided the "Code of business conduct and ethics (Document No.: SA-TYN-09)", which includes "Conflict of interests" in chapter 3.
<b>√</b>	Competition and fair trading			Verified	Manufacturer has provided the "Code of business conduct and ethics (Document No.: SA-TYN-09)", which includes "Competition and fair trading" in chapter 11.
<b>√</b>	Gifts and entertainment expenses			Verified	Manufacturer has provided the "Code of business conduct and ethics (Document No.: SA-TYN-09)", which includes "Gifts and entertainment expenses" in chapter 4.
✓	Corruption and bribery			Verified	Manufacturer has provided the "Anti-Corruption Policy" (Document No.: SA-TYN-08)".
✓	Others (please specify)			Verified	Manufacturer has provided the "Code of business conduct and ethics (Document No.: SA-TYN-09)", which also includes other content, such as: "Protection and use of company assets" in chapter 5, "Accuracy of financial reports and other public" in chapter 7, "Company records" in chapter 8, "Compliance with laws and regulations" in chapter 9, and "Advice seeking and case handling" in chapter 14.

3.2	To promote awareness of the Code of Condu	ct, the site:	:		
1	Conducts trainings	2	2	Verified	1. Checked the "2023 Annual Training Plan (Document No.: R/DMTYN-S2-01-09-01-01)", which includes "Code of business conduct and ethics and Anti-Corruption Policy".  2. Checked the "Code of business conduct and ethics training material and records (Document No.: R/DMTYN-6.2-01-09)". The training was held on 2023/1/10.  3. Checked the "Anti-Corruption Policy training material and records (Document No.: R/DMTYN-6.2-01-09)". The training was held on 2023/2/3.
✓	Employs other awareness raising methods			Verified	Manufacturer provided Occupational health notices on the bulletin board in the workshop.     Manufacturer sets a bulletin board, grievance mailbox, complaint hotline and reporting email to promote awareness of the child or forced labour issues.
	None of the above			-	Not applicable

## **GRIEVANCE MECHANISM**

4	The company has a grievance mechanism in	place.			
✓	For external stakeholders			Verified	1. Checked the "Supplier code of conduct (Document No.: Q/DMTYN-S4-02-04-02), which inclues "Suppliers and their members should immediately appeal any non-compliance with this guideline to the manufacturer" chapter 9.2.  2. Checked the "Supplier SA 8000 Audit Report (Audit Period: 2023/2/7~2023/2/8), which includes "Supplier's Complaint management and resolution" in chapter 9.6.  3. Complaint hotline for external stakeholders: Reporting phone number and a reporting email
<b>√</b>	For employees	2	2	Verified	1. Manufacturer has provided the "Appeal and Complaint Management Procedure (Document No.: DMTYN-SAP-021-A1)". 2. Manufacturer has provided the "SA 8000 Management System (Document No.: DMTYN-SA-01-2020)", which includes "Complaint Management and Resolution" in chapter 23. 3. Manufacturer has provided the "Code of business conduct and ethics (Document No.: SA-TYN-09)", which includes "Complaint Management and Resolution" in chapter 14. 4. Manufacturer has provided the "Employee Manual (Document No.: SA-TYN-10", which includes "Complaint Management and Resolution" in chapter 4. 5. Manufacturer sets a bulletin board, grievance mailbox, Reporting phone number and a reporting email
	No			-	Not applicable

4.1	To promote awareness of the grievance med	chanism, th	e site:		
<b>√</b>	Conducts trainings	2	2	Verified	1. Manufacturer provided Grievance mechanism training material and training records. 2. Manufacturer has provided the "Social Responsibility Management System Training Records (Meeting date: 2023/4/10)". 3. Manufacturer has provided the "Employee Manual Training Records (Meeting date: 2023/4/14)". 4. Manufacturer has provided the "Code of business conduct and ethics Training Records (Meeting date: 2023/1/10)".
<b>✓</b>	Employs other awareness raising methods			Verified	Manufacturer sets a bulletin board, grievance mailbox, complaint hotline and reporting email, and employee performance grievance system.
	None of the above			-	Not applicable

Initial

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## 4.2 LABOR AND HUMAN RIGHTS

SR NO	REQUIREMENTS	MAXIMUM SCORE	SCORE ACHIEVED	STATUS OF VERIFICATION	AUDITOR COMMENTS							
POLIC	Y											
5	The company has a formal written policy in	place cove	ring working	conditions and/or hum	an rights.							
<b>√</b>	Yes	2	2	Verified	Checked the "Social responsibility management system (Document No.: DMTYN-SA-01-2020-A1)", which includes "working conditions and human rights".      Checked the "Social Responsibility Management System Certificate      Cortification have: \$48000: 2014: Certificate No.: 44.114.211409: Velidity until							
	No				(Certification type: SA8000: 2014; Certificate No.: 44 114 211408; Validity until 2024/09/06)".							
5.1	The policy covers the following topics:											
<b>√</b>	Working hours			Verified	Checked the "Social responsibility management system (Document No.: DMTYN-SA-01-2020-A1)", which includes "Working hours" in chapter 16.     Checked the "Working Hours Control Procedure (Document No.: DMTYN-SAP-015".							
<b>√</b>	Wages and benefits			Verified	Checked the "Social responsibility management system (Document No.: DMTYN-SA-01-2020-A1)", which includes "Wages and Benefits" in chapter 17.     Checked the "Wages and Benefits Control Procedure (Document No.: DMTYN-SAP-014".							
•	Child labour and young workers			Verified	Checked the "Social responsibility management system (Document No.: DMTYN-SA-01-2020-A1)", which includes "Child Labour and Young Workers" in chapter 10.     Checked the "Relief and Protection Control Procedure for Child and Underage Workers (Document No.: DMTYN-SAP-02".							
<b>√</b>	Forced labour			Verified	Checked the "Social responsibility management system (Document No.: DMTYN-SA-01-2020-A1)", which includes "Forced Labour" in chapter 11.     Checked the "Forced Labour Control Procedure (Document No.: DMTYN-SAP-03".							
<b>√</b>	Freedom of association and collective bargaining										Verified	Checked the "Social responsibility management system (Document No.: DMTYN-SA-01-2020-A1)", which includes "Freedom of Association and Collective Bargaining" in chapter 13.     Checked the "Freedom of Association and Collective Bargaining Control Procedure (Document No.: DMTYN-SAP-011".
<b>√</b>	Discrimination and harassment	2	2	Verified	Checked the "Social responsibility management system (Document No.: DMTYN-SA-01-2020-A1)", which includes "Discrimination and Harassment" in chapter 14.     Checked the "Discrimination and Harassment Control Procedure (Document No.: DMTYN-SAP-12".							
<b>√</b>	Disciplinary practices										Verified	Checked the "Social responsibility management system (Document No.: DMTYN-SA-01-2020-A1)", which includes "Disciplinary Practices" in chapter 15.     Checked the "Disciplinary Practices Control Procedure (Document No.: DMTYN-SAP-13".
<b>4</b>	Training and career development					Verified	Checked the "Social responsibility management system (Document No.: DMTYN-SA-01-2020-A1)", which includes "Training and Career Development" in chapter 26.     Checked the "Training and Career Development Control Procedure (Document No.: DMTYN-SAP-23".					
<b>√</b>	Diversity and Inclusion								Verified	1. Checked the "Discrimination and Harassment Control Procedure (Document No.: DMTYN-SAP-12", which includes "Employees shall not be discriminated against in terms of employment, compensation, training, promotion, etc. based on ethnicity, race, gender, age, religion, belief, disability, etc." in chapter 5.1.5.  2. Checked the Employee Handbook, which includes "During the recruitment process, there should be no discrimination based on race, skin color, disability, gender, educational background, social or ethnic group, or other personal characteristics." in chapter 4.2.		
<b>✓</b>	External stakeholder human rights								Verified	Checked the "Social responsibility management system (Document No.: DMTYN-SA-01-2020-A1)", which includes "External stakeholder human rights" in chapter 27.     Checked the "Supplier code of conduct (Document No.: Q/DMTYN-S4-02-04-02), which inclues "Labour and human rights requirements" in chapter 5.1-5.7.     Checked "Supplier assessment checklist (Document No.: RDMTYN-7.4-02-02-A1), which includes "Labour and human rights requirements".		
	Others (please specify)			-	Not selected by manufacturer							
5.2	To promote awareness of the labour and hu	man rights	policy, the s	ite:								
<b>,</b>	Conducts trainings	2	2	Verified	Checked the "Anti discrimination and anti harassment training material and records (Document No.: R/DMTYN-6.2-01-09)". The training was held on 2023/4/20.     Checked the "Anti Forced Labor Training Record training material and records (Document No.: R/DMTYN-6.2-01-09)". The training was held on 2023/3/6.							
1	Employs other awareness raising methods			Verified	Manufacturer sets a bulletin board, grievance mailbox, complaint hotline and reporting email to promote awareness of the labor and human rights policy.							
	None of the above			-	Not applicable							

#### MANAGEMENT SYSTEM

SR NO	REQUIREMENTS	MAXIMUM SCORE	SCORE ACHIEVED	STATUS OF VERIFICATION	AUDITOR COMMENTS							
6	6 Management system in place to manage labour and human rights topics.											
1	The site has a management system in place.			Verified	Checked Social Responsibility Management System Certificate: Certification type: SA 8000 : 2014 Certification body: TUV Nord							
<b>✓</b>	The management system is certified.	2	2	Verified	Certification No.: 44 114 211408 Certificate valid from 2021/09/7 Certificate valid until 2024/09/6							
	No			-	Not selected by manufacturer							
6.1	In relation to employees, the labour and hun	nan rights n	nanagement	system includes:								
<b>✓</b>	Management person: The site has a designated management person			Verified	The Social Responsibility Performance Group are responsible for the management of human rights topics within the company.     Manufacturer has provided the "Minutes of the Social Responsibility Performance Group Meeting (Meeting date: 2022/11/10)", which includes "Management Person".							
1	Risk assessment: The site conducts a labour and human rights risk assessment			Verified	Manufacturer has provided the "Risk Assessment Form for the Operation of Social Responsibility Management System (Document No.: SA-TYN-AD-07-01)".							
<b>✓</b>	Objectives and action plan: The site has documented objectives and action plans to address labour and human rights issues	5	5	Verified	Manufacturer has provided the "Table of Social Responsibility Objectives, Indicators, and Management Plans (Effective Date: 2022/1/3)".							
<b>✓</b>	Monitoring: The site has a process to periodically review labour and human rights performance			5	Verified	Manufacturer has provided the "Minutes of the Social Responsibility Performance Group Meeting (Meeting date: 2022/11/10)".						

Verified

Verified

Manufacturer has provided the "Social Responsibility Management System Training Records (Meeting date: 2023/4/10)".

The manufacturer has provided the "Appeal and Complaint Control Procedure (Document No.: DMTYN-SAP-021)".
 Manufacturer sets a bulletin board, grievance mailbox, complaint hotline and reporting email, and employee performance grievance system.

STATUS OF

MAXIMUM

SCORE

6.2	In relation to external stakeholders, the human rights management system includes:									
<b>√</b>	Risk assessment: The site conducts (external stakeholder) human rights risk assessment		4 1	Verified	<ol> <li>The manufacturer has provided the "Social Responsibility System Risk Assessment Management Procedure (Document No.: DMTYN-SAP-018)".</li> <li>Manufacturer has provided the "Risk Assessment Form for the Operation of Social Responsibility Management System (Document No.: SA-TYN-AD-07- 01)", which includes "The site conducts (external stakeholder) human rights risk assessment".</li> </ol>					
	Stakeholder consultations: The site performs stakeholder consultations with local populations and other relevant stakeholders	4		-	Not selected by manufacturer					
	Partnerships: The site has formal collaboration/partnerships with (local) NGOs and/or (local) authorities to address external stakeholder human rights issues			-	Not selected by manufacturer					
	Remediation: The site has a remediation procedure in place for identified cases of violations of external stakeholders' human rights			-	Not selected by manufacturer					

## **TOPIC: WORKING HOURS/ WAGES AND BENEFITS**

**Training**: The site organizes trainings on labour matters and factory's related

Grievance mechanism: The site has an

employee grievance mechanism in place

procedures

7	Regarding working hours and renumeration	, the site has:				
✓	Compensation for extra or atypical working hours			Verified	Checked the "Social responsibility management system (Document No.: DMTYN-SA-01-2020-A1)", which includes "Working hours" in chapter 10.     Checked the "Working Hours Control Procedure (Document No.: DMTYN-SAP-015", which inclues "Compensation for extra or atypical working hours".	
✓	Additional leave beyond standard vacation days	5 <b>5</b>			Verified	Checked the "Social responsibility management system (Document No.: DMTYN-SA-01-2020-A1)", which includes "Working hours" in chapter 10.     Checked the "Working Hours Control Procedure (Document No.: DMTYN-SAP-015", which inclues "Additional leave beyond standard vacation days".
<b>4</b>	Flexible organization of work available to employees (e.g. remote work, flexi-time)		5 <b>5</b>	Verified	Checked the "Social responsibility management system (Document No.: DMTYN-SA-01-2020-A1)", which includes "Working hours" in chapter 10.     Checked the "Working Hours Control Procedure (Document No.: DMTYN-SAP-015", which includes "Flexible organization of work available to employees (e.g. remote work, flexi-time)".	
<b>√</b>	Health care coverage of employees			Verified	Checked the "Social responsibility management system (Document No.: DMTYN-SA-01-2020-A1)", which includes "Wages and Benefits" in chapter 16.     Checked the "Wages and Benefits Control Procedure (Document No.: DMTYN-SAP-014", which includes "Health care coverage of employees".	
<b>✓</b>	Employee satisfaction survey			Verified	Checked the "Employee satisfaction survey reports (Document No.: SA-TYN-QA-01-06)".	
<b>4</b>	Bonus scheme related to company performance			Verified	Checked the "Social responsibility management system (Document No.: DMTYN-SA-01-2020-A1)", which includes "Wages and Benefits" in chapter 16.     Checked the "Wages and Benefits Control Procedure (Document No.: DMTYN-SAP-014", which includes "Bonus scheme related to company performance".	

## TOPIC: CHILD LABOR/ FORCED LABOR

SR NO	REQUIREMENTS	MAXIMUM SCORE	SCORE ACHIEVED	STATUS OF VERIFICATION	AUDITOR COMMENTS	
8	To prevent child and/or forced labour, the si	ite has in pla	ace:			
<b>✓</b>	Risk assessments performed to identify operations exposed to potential child and/or forced labour			Verified	The manufacturer has provided the "Social Responsibility System Risk Assessment Management Procedure (Document No.: DMTYN-SAP-018)".     Manufacturer has provided the "Risk Assessment Form for the Operation of Social Responsibility Management System (Document No.: SA-TYN-AD-07-01)", which incleds "Identify operations exposed to potential child and/or forced labour".	
✓	Awareness raising on child labour, slavery and/or human trafficking			Verified	Checked the "Anti Forced Labor Training Record training material and records (Document No.: R/DMTYN-6.2-01-09)". The training was held on 2023/3/6.	
<b>√</b>	Auditing of internal controls to prevent child and/or forced labour	- 5 5	5	5 <b>5</b> -	Verified	1. Checked the "Social responsibility management system (Document No.: DMTYN-SA-01-2020-A1)", which includes "Child Labour and Young Workers" in chapter 17.  2. Checked the "Social responsibility management system (Document No.: DMTYN-SA-01-2020-A1)", which includes "Internal Audit" in chapter 28.  3. Checked the "Forced Labour Control Procedure (Document No.: DMTYN-SAP-03)".
<b>✓</b>	Remediation procedure in place for identified cases of child and/or forced labour	5			Verified	Checked the "Social responsibility management system (Document No.: DMTYN-SA-01-2020-A1)", which includes "Forced Labour" in chapter 11.     Checked the "Relief and Protection Control Procedure for Child and Underage Workers (Document No.: DMTYN-SAP-002)".
<b>√</b>	Whistleblower procedure on child or forced labour issues			Verified	1. Checked the "Social responsibility management system (Document No.: DMTYN-SA-01-2020-A1)", which includes "Forced Labour" in chapter 11.  2. Checked the "Forced Labour Control Procedure (Document No.: DMTYN-SAP-03)".  3. Checked the "Relief and Protection Control Procedure for Child and Underage Workers (Document No.: DMTYN-SAP-002)".  4. Checked the "Appeal and Complaint Management Procedure (Document No.: DMTYN-SAP-021)".  5. Manufacturer sets a bulletin board, grievance mailbox, complaint hotline and reporting email to promote awareness of the child or forced labour issues.	

9	The site employs, directly or through an employment agency, employees below 18 years of age :								
	Yes	Not Not	Verified	Manufacturer provided the Employee Personnel Files of direct employees. All					
✓	No	Scored	Scored	vermed	employees are 18 years old or older.				

9.1	For employees below 18 years of age, the site monitors and records the type of work assigned, so as to comply with relevant child labor laws.							
	Yes							
	No	Not Scored N	Not Scored	Not Applicable	Not Applicable			
✓	Not Applicable							

## TOPIC: HARASSMENT AND DISCRIMINATION

10	To prevent discrimination and harassment, the	site has in place:			
✓	Awareness training to prevent discrimination and/or harassment		Verified	Checked the "Anti discrimination and anti harassment training material and records (Document No.: R/DMTYN-6.2-01-09)". The training was held on 2023/4/20.	
✓	Measures to prevent discrimination during recruitment phase		Verified	1. Checked the "Social responsibility management system (Document No.: DMTYN-SA-01-2020-A1)", which includes "Discrimination and Harassment" in chapter 14.  2. Checked the "Discrimination and Harassment Control Procedure (Document No.: DMTYN-SAP-12".  3. Checked the "Personnel Recruitment Control Procedure (Document No.: DMTYN-SAP-25".  4. To prevent discrimination, the manufacturer provides external recruitment information and job advertisements for HR, including "The applicant is physically healthy and at least 16 years old" in chapter 2.	
✓	Measures to promote wage equality in the workplace (e.g. equal pay monitoring)	5 5	Verified	<ol> <li>Checked the "Discrimination and Harassment Control Procedure (Document No.: DMTYN-SAP-12", which includes "The company's wage and remuneration policy requires fairness and reasonableness, and does not discriminate between race, social class, nationality, religion, physical disability, gender, sexual orientation, trade union members, Political faction or age. Men and women should be equal, and equal pay for equal work should be applied." in chapter 5.3.</li> <li>Checked the "Salary Management Procedure Control Procedure (Document No.: DMTYN-SAP-15".</li> </ol>	
<b>√</b>	Measures to promote a gender/minority inclusive environment		5 5	Verified	Checked the "Social responsibility management system (Document No.: DMTYN-SA-01-2020-A1)", which includes "Discrimination and Harassment" in chapter 14.     Checked the "Discrimination and Harassment Control Procedure (Document No.: DMTYN-SAP-12".
<b>√</b>	Remediation procedure in place for identified cases of discrimination and/or harassment		Verified	Checked the "Social responsibility management system (Document No.: DMTYN-SA-01-2020-A1)", which includes "Discrimination and Harassment" in chapter 14.     Checked the "Discrimination and Harassment Control Procedure (Document No.: DMTYN-SAP-12".     Checked the "Remediation procedure in place for identified cases of discrimination and/or harassment (Document No.: DMTYN-SAP-22)".	
✓	Whistleblower procedure on discrimination and harassment issues		Verified	1. Checked the "Social responsibility management system (Document No.: DMTYN-SA-01-2020-A1)", which includes "Discrimination and Harassment" in chapter 14.  2. Checked the "Discrimination and Harassment Control Procedure (Document No.: DMTYN-SAP-12".  3. Checked the "Appeal and Complaint Management Procedure (Document No.: DMTYN-SAP-21)".  4. Manufacturer sets a bulletin board, grievance mailbox, Reporting phone number and a reporting email	

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#### TOPIC: DIVERSITY AND INCLUSION

11	To promote diverstiy and inclusion opportun	ities, the s	ite has in pla	ice:		
<b>√</b>	Awareness training to promote diversity and inclusion			Verified	1. Checked the "2023 Annual Training Plan (Document No.: R/DMTYN—S2-01-09-01-01)", which includes "Code of business conduct and ethics and Anti-Corruption Policy".  2. Checked the "Social Responsibility Management System Training Records (Meeting date: 2023/4/10)".  3. Checked the "Anti-Corruption Policy training material and records (Documen No.: R/DMTYN-6.2-01-09)". The training was held on 2023/2/3.  4. Checked the "Employee Handbook". The training was held on 2023/4/14.  5. Checked the "Social responsibility management system (Document No.: DMTYN-SA-01-2020-A1)", which includes "The training methods should be flexible and diverse, including classroom teaching, seminars, group meetings, bulletin boards, and broadcasts, which can be assessed in written and practica ways, and recorded. If necessary, conduct a survey of the training effectivenes and adjust the training methods and content based on the survey results." in chapter 26.4.6.	
<b>√</b>	Measures to encourage diversity during recruitment phase	3	3	3	Verified	1. Checked the "Discrimination and Harassment Control Procedure (Document No.: DMTYN-SAP-12", which includes "Employees shall not be discriminated against in terms of employment, compensation, training, promotion, etc. based on ethnicity, race, gender, age, religion, belief, disability, etc." in chapter 5.1.5.  2. Checked the Employee Handbook, which includes "During the recruitment process, there should be no discrimination based on race, skin color, disability, gender, educational background, social or ethnic group, or other personal characteristics." in chapter 4.2.  3. Checked the "Social responsibility management system (Document No.: DMTYN-SA-01-2020-A1)", which includes "The company does not engage in o support any discriminatory behavior based on race, ethnic or social background, social class, nationality, descent, religion, physical disability, gender, gender orientation, age, family responsibility, language use, marital status, union membership, political opinion, or geographical affiliation in matters such as employment, training opportunities, salary compensation, job allocation promotion, dismissal, and retirement." in chapter 14.3.1.
✓	Measures to promote a gender/minority inclusive environment			Verified	1. Checked the "Discrimination and Harassment Control Procedure (Document No.: DMTYN-SAP-12", which includes "Employees shall not be discriminated against in terms of employment, compensation, training, promotion, etc. based on ethnicity, race, gender, age, religion, belief, disability, etc." in chapter 5.1.5.  2. Checked the "Social responsibility management system (Document No.: DMTYN-SA-01-2020-A1)", which includes "The company does not engage in o support any discriminatory behavior based on race, ethnic or social background, social class, nationality, descent, religion, physical disability, gender, gender orientation, age, family responsibility, language use, marital status, union membership, political opinion, or geographical affiliation in matters such as employment, training opportunities, salary compensation, job allocation promotion, dismissal, and retirement." in chapter 14.3.1.	
12 ✓	The site tracks the following:  Gender and/or age distribution within governance bodies			Verified	The company tracks gender distribution within its board of directors. In its annual CSR report, the company reports that out of 7 directors in total, 1 director is female.	
1	Gender and/ or distribution of employees per employee category	3	2	Verified	Checked the "All Employee Personnel Files", which includes "Gender and/ or distribution of employees per employee category".	
	Ratio of the basic salary of women to men per employee category and location			-	Not selected by manufacturer	
	Other diversity indicators (please specify)			-	Not selected by manufacturer	
OPIC	: RECORD KEEPING					
13	The site maintains a personnel file on:				M	
<b>√</b>	Direct employees  Temporary contract workers hired through an	1	1	Verified	Manufacturer provided the Employee Personnel Files of direct employees.  Not selected by manufacturer	
	agency (if relevant)  No personnel files maintained	1	1		Not selected by manufacturer  Not selected by manufacturer	
					<u> </u>	
13.1	Personnel files contain information on:					
✓	Age			Verified	Checked Employee Personnel Files, which contain age information.	
1	Province/ country of origin			Verified	Checked Employee Personnel Files, which contain province information.	
	Wage	2	1	-	Not selected by manufacturer	
	Hours worked	2		_	Not selected by manufacturer	
	Tiodio Worked				· · · · · · · · · · · · · · · · · · ·	

## TOPIC: EMPLOYMENT AGENCY OVERSIGHT

14	The site contracts workers through an employment agency.									
	Yes	Not	Not	Self Declared	<ol> <li>The manufacturer does not hire contract workers through an employment agency.</li> </ol>					
1	No	Scored	Scored	Gen Declared	Manufacturer provided the Employee Personnel Files of direct employees.					
14.1	14.1 The site tracks number of contract workers hired through an employment agency									
	Yes			-	Not selected by manufacturer					
	No	Not Scored	Not Scored	-	Not selected by manufacturer					
✓	Not Applicable			Not Applicable	Not applicable					

14.2	The site has a system in place to ensure the	at employme	ent agencies a	dhere to all relevant l	abour laws?
	Yes			-	Not selected by manufacturer
	No	Not Scored	Not Scored	-	Not selected by manufacturer
1	Not Applicable			Not Applicable	Not applicable
торіс	: COMMUNITY PROJECTS				
15	The site is involved in community projects	/ charitable f	unds.		
✓	Yes	2	2	Verified	Manufacturer provided a list of community projects/charitable funds for the local community (Document No.: SA-TYN-17).     Checked the "2022 Environmental, Social, and Governance (ESG) Report of Confidential" (Certification body: TUV Nord; Audit Period: 2023/2/27-2023/3/1.)", which includes "Activity of Community Projects and
	No				Employee Volunteering". A "Family Day" event with the theme of "Walking with Love". August 3, 2022. 3. Manufacturer provided the "Family Day" event with the theme of "Walking with Love (Date: 2022/8/3)".
15.1	In terms of community projects/ charitable	funds, the si	te tracks and	report on:	
✓	Number of local community projects/ funds supported			Verified	Manufacturer provided a list of community projects/charitable funds for the local community (Document No.: SA-TYN-17), which inclues "Number of local community projects/ funds supported".
1	Amount of donations to local community projects/ funds	2	2	Verified	Manufacturer provided a list of community projects/charitable funds for the local community (Document No.: SA-TYN-17), which inclues "Amount of donations to local community projects/ funds".
	None of the above			-	Not applicable
TOPIC	:: EMPLOYEE VOLUNTEERING				
16	Employees are engaged in volunteering so	homos			
√ /	Yes	2	2	Verified	Checked the "2022 Environmental, Social, and Governance (ESG) Report of Confidential" (Certification body: TUV Nord; Audit Period: 2023/2/27-2023/3/1.)", which includes "Activity of Community Projects and
	No				Employee Volunteering".  2.OMiDutaduganized/idjethingovervanteliff (Distipate) 1210-231/Inteer activities of

Verified

-

-

Manufacturer provided the news of "Participate in the volunteer activities of COVID-19 organized by the government (Date: 2022-03-29)".

Not selected by manufacturer

Not applicable

16.1 In relation to employee volunteering, the site tracks and reports on:

2

1

Number of employees volunteering

None of the above

Number of employee hours spent volunteering

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## 4.3 HEALTH AND SAFETY

SR NO	REQUIREMENTS	MAXIMUM SCORE		STATUS OF VERIFICATION	AUDITOR COMMENTS					
OLIC	Υ									
17	The company has a formal written policy in place	covering hea	Ith and safe	ty.						
✓	Yes	2	2	Verified	Checked HSSE Manual (Document No.: EMOHSDM/TYN tube 5.1-2010 which listed the policy of health and safety.     Checked the "Health and Safety Management System Certificate (Certification type: ISO 45001: 2018; Certificate No.: 01222S30453R3M; Validity until 2025/06/11)".					
					validity unit 2020/00/11) .					
17.1	The health and safety policy covers the following	opics:								
✓	Personal protective equipment			Verified	Checked PPE management process (Document No.: DMTYN-W-EHS011 A2), which defined PPE management process.					
<b>√</b>	Machine safety			Verified	Checked Equipment and facility management process (Document No.: DMTYN-QP-S3-01), which defined the responsibilities and authorities for machine safety.					
✓	Emergency preparedness	2	2	Verified	Checked Emergency management process (Document No.: DMTYN-SAP 010), which defined the responsibilities and authorities for Emergency preparedness.					
✓	Incident and accident management							Verified	Checked Incident and accident management process (Document No.: DMTYN-SAP-007), which defined the responsibilities and authorities for Incident and accident management.	
1	Handling of chemicals			Verified	Checked the Hazardous chemicals management process (Document No. DMTYN-SAP-028), which defined the responsibilities and authorities for Hazardous chemicals management.					
	Others (please specify)			-	Not selected by manufacturer					
17.2	To promote awareness of the health and safety po	licy, the site								
✓	Conducts trainings	2	2	Verified	1. Checked the "2023 Annual Training Plan (Document No.: R/DMTYN					
1	Employs other awareness raising methods	2		_	_	-	_	_	-	Verified
	None of the above			-	Not applicable					
/IANA	GEMENT SYSTEM									
18	Management system in place to manage health an	d safety topi	cs.							
<b>√</b>	The site has a management system in place.			Verified	Checked Health and Safety Management System Certificate: Certification type: ISO 45001:2018 Certification body: CEPREI					
<b>√</b>	The management system is certified.(ISO 45001, OSHAS 18001)	2	2	Verified	Certification No.: 01222S30453R3M Certificate valid from 2022/06/27 Certificate valid until 2025/06/11					
	No			-	Not selected by manufacturer					
18.1	The health and safety management system include	es:								
√	Management person: The site has a designated management person			Verified	Checked the "Organization chart of the Environment, Health and Safet committee (Document No.: DMTYN-W-EHS100)".     Manufacturer has provided name and contact details for designated					

✓	The management system is certified.(ISO 45001, OSHAS 18001)	2	2	Verified	Certificate valid from 2022/06/27 Certificate valid until 2025/06/11
	No			-	Not selected by manufacturer
18.1	The health and safety management system includes:				
<b>4</b>	Management person: The site has a designated management person			Verified	1. Checked the "Organization chart of the Environment, Health and Safety committee (Document No.: DMTYN-W-EHS100)".  2. Manufacturer has provided name and contact details for designated Environment, Health and Safety management person.
<b>√</b>	Risk assessment: The site conducts a health and safety risk assessment  • As part of regular operation  • In anticipation of change of operation (e.g. start of new operations, change in SOP)	5		Verified	Checked the "Risk assessment records (Document No.: SA-TYN-AD-02-01) ", which listed assessment results by departmental.
✓	Objectives and action plan: The site has documented objectives and action plans to address the main health and safety impacts			Verified	Checked the "2023 HSSE Objectives (Document No.: R/DMTYN-4.3.1-02-01)", which listed 7 HSSE objectives. Manufacturer conducted a follow-up and action plan.
<b>√</b>	Monitoring: The site has a process to periodically review health and safety performance		5	Verified	1. Manufacturers monitor health and safety performance through annual management review. Checked the "2022 Management Review Report (Document No.: MTYN-QP-M2-01-04)", which includes "Manufacturer monitored health and safety performance yearly".  2. Manufacturers monitor health and safety performance through internal audits. Checked the internal audit report (Document No.: R/DMTYN-8.2.2-01-03), which includes "Monitoring the health and safety performance".
<b>√</b>	Training: The site organizes trainings on health and safety risks and good working practices:  For all direct employees For subcontractors working on premises			Verified	Checked the "2023 Annual Training Plan (Document No.: R/DMTYNS2-01-09-01-01)", which includes "health and safety".     Checked Health and safety policy training material and records (Document No.: R/DMTYN -6.2-01-09). The training was held on 2023/2/8.
<b>√</b>	Committee: Joint labour management health and safety committee in operation			Verified	Checked the "Organization chart of the ESH committee (Document No.: DMTYN-W-EHS100)".     Manufacturer has provided name and contact details for designated ESH management person.

19	The site has written procedures in place to ensure:									
✓	Appropriate machinery is well-maintained and equipped with necessary safety devices			Verified	Checked Equipment and facility management process (Document No.: DMTYN-QP-S3-01), which defined the responsibilities and authorities for machine safety.					
<b>√</b>	Safe storage, use, and disposal of each hazardous material used in production (if applicable), in language(s) workers	4	4	Verified	Checked the Hazardous chemicals management process (Document No.: DMTYN-SAP-028), which defined the responsibilities and authorities for Hazardous chemicals management.					
✓	Emergency preparedness			Verified	Checked Emergency management process (Document No.: DMTYN-SAP- 010), which defined the responsibilities and authorities for Emergency preparedness.					
<b>√</b>	Appropriate Personal Protection Equipment (PPE) is provided to employees			Verified	Checked PPE management process (Document No.: DMTYN-W-EHS011-A2), which defined PPE management process.					

## TOPIC: HEALTH CHECKS

20	Health checks are provided for employees.							
<b>√</b>	Health checks are mandatory for all/ relevant employees			Verified	Occupational disease examination is mandatory for employees in occupational-disease-risk positions. General Health checks are for all employees. Manufacturer provided the name list and health check reports (Report No.: 2209139011037).			
<b>√</b>	Health checks are available to all	2 <b>2</b>	2 <b>2</b>	Verified	Occupational disease examination is mandatory for employees in occupational-disease-risk positions. General Health checks are for all employees. Manufacturer provided the name list and health check reports (Report No.: 2209139011037).			
	No			-	Not selected by manufacturer			

## TOPIC: INCIDENT

21	The site monitors and reports on the following incident-related statistics:									
✓	Incident rate			Verified	Checked the "Statistical Table of Health and Safety Objective Indicators (Document No.: R/DMTYN-4.3.1-02-01-A1; Period: Jan~Api, 2023)". There is no incident or accident happened during last year.					
<b>√</b>	Number of work-related injuries with leave			Verified	Checked the "Statistical Table of Health and Safety Objective Indicators (Document No.: R/DMTYN-4.3.1-02-01-A1; Period: Jan~Api, 2023)". There is no incident or accident happened during last year.					
	Lost time incident in HR days per contractor	5	3	-	Not selected by manufacturer					
	Lost time incident in HR days per employee			-	Not selected by manufacturer					
<b>√</b>	Number of fatalities			Verified	Checked the "Statistical Table of Health and Safety Objective Indicators (Document No.: R/DMTYN-4.3.1-02-01-A1; Period: Jan~Api, 2023)". There is no incident or accident happened during last year.					
	No, we do not currently track such information			-	Not selected by manufacturer					

Initial

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Issuance date: 2023/6/6
Organization: Confidential
Site: Confidential

## 4.4 ETHICS

SR NO	REQUIREMENTS	MAXIMUM SCORE	SCORE ACHIEVED	STATUS OF VERIFICATION	AUDITOR COMMENTS		
POLIC	Υ						
22	The company has a formal written policy in	place cover	ing business	ethics.			
<b>√</b>	Yes	2	2	Verified	Checked "Code of business conduct and ethics (Document No.: SA-TYN-09)", and "Anti-Corruption Policy (Document No.: SA-TYN-08)", which defined policy in place covering business		
	No				ethics.		
22.1	The following topics are covered by the pol	icy:					
✓	Corruption, extortion and bribery			Verified	Checked "Code of business conduct and ethics (Document No.: SA-TYN-09)", and "Anti-Corruption Policy (Document No.: SA-TYN-08)", which defined policy in place covering business ethics.		
✓	Privacy			Verified	Manufacturer has provided the "Code of business conduct and ethics (Document No.: SA-TYN-09)", which includes "Privacy and personal data protection" in chapter 6.		
<b>√</b>	Financial responsibility (accurate records)		2	2	2	Verified	Manufacturer has provided the "Code of business conduct and ethics (Document No.: SA-TYN-09)", which includes "Accuracy of financial reports and other public communications" in chapter 8.      Manufacturer has provided the "Anti-Corruption Policy (Document No.: SA-TYN-08)", which includes "Books and Records" in chapter 4.
✓	Information security					Verified	Manufacturer has provided the "Information security (Document No.: DMTYN-SAP-032-A0)"
✓	Fair competition and anti-trust	2				Verified	Manufacturer has provided the "Code of business conduct and ethics (Document No.: SA-TYN-09)", which includes "Competition and fair trading" in chapter 11.
<b>√</b>	Conflicts of interest				Verified	Manufacturer has provided the "Code of business conduct and ethics (Document No.: SA-TYN-09)", which includes "Conflict of interests" in chapter 3.	
✓	Intellectual property				Verified	Manufacturer has provided the "Code of business conduct and ethics (Document No.: SA-TYN-09)", which includes "Company records" in chapter 8, "Compliance with laws and regulations" in chapter 9.	
<b>√</b>	Whistleblowing and protection against retaliation					Verified	1. Manufacturer sets a bulletin board, grievance mailbox, complaint hotline and reporting email. 2. Manufacturer has provided the "Code of business conduct and ethics (Document No.: SA-TYN-09)", which includes "Advice seeking and case handling" in chapter 14. 3. Manufacturer has provided the "Anti-Corruption Policy (Document No.: SA-TYN-08)", which includes "Consultation and Whistleblowing" in chapter 5.
	Others (please specify)			-	Not applicable		
22.2	To promote awareness of the ethics policy,	the site:					
✓	Conducts trainings	2	2	Verified	1. Checked the "2023 Annual Training Plan (Document No.: R/DMTYNS2-01-09-01-01)", which includes "Code of business conduct and ethics and Anti-Corruption Policy".  2. Checked the "Code of business conduct and ethics training material and records (Document No.: R/DMTYN-6.2-01-09)". The training was held on 2023/1/10.  3. Checked the "Anti-Corruption Policy training material and records (Document No.: R/DMTYN-6.2-01-09)". The training was held on 2023/2/3.		
<b>√</b>	Employs other awareness raising methods			Verified	Manufacturer sets a bulletin board, grievance mailbox, complaint hotline and reporting email.		
	None of the above			-	Not applicable		

## MANAGEMENT SYSTEM

23	A management system in place to manage ethics-related topics.							
<b>√</b>	The site has a management system in place.	. 2	1	Verified	Checked the "Code of business conduct and ethics (Document No.: SA-TYN-09)", and "Anti-Corruption Policy (Document No.: SA-TYN-08)", which contained ethics-related topics.			
	The management system is certified.				-	Not selected by manufacturer		
	No			-	Not applicable			

	***				rect applicable
23.1	The ethics management system includes:				
✓	Management person: The site has a designated management person			Verified	The deputy general manager was appointed in charge.
	Risk assessment: The site conducts risk assessment on specific topics			-	Not selected by manufacturer
	Objectives and action plan: The site has documented objectives and action plans to address ethics-related issues			-	Not selected by manufacturer
<b>√</b>	Monitoring: The site has a process to periodically review ethics-related performance	5	3.33	Verified	Checked "Code of business conduct and ethics (Document No.: SA-TYN-09)", which contained a process to periodically review ethics-related performance.
✓	Training: The site organizes trainings on ethics related topics			Verified	Checked the "2023 Annual Training Plan (Document No.: R/DMTYNS2-01-09-01-01)", which includes "Code of business conduct and ethics and Anti-Corruption Policy".     Checked the "Code of business conduct and ethics training material and records (Document No.: R/DMTYN-6.2-01-09)". The training was held on 2023/1/10.     Checked the "Anti-Corruption Policy training material and records (Document No.: R/DMTYN-6.2-01-09)". The training was held on 2023/2/3.
<b>√</b>	Whistleblower: The site has whistleblower mechanisms in place to report on ethics related concerns			Verified	1. Manufacturer sets a bulletin board, grievance mailbox, complaint hotline and reporting email to promote awareness of the labor and human rights policy.  2. Manufacturer has provided the "Code of business conduct and ethics (Document No.: SA-TYN-09)", which includes "Advice seeking and case handling" in chapter 14.  3. Manufacturer has provided the "Anti-Corruption Policy (Document No.: SA-TYN-08)", which includes "Consultation and Whistleblowing" in chapter 5.

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Organization: Confidential

## **4.5 ENVIRONMENT**

SR NO	REQUIREMENTS	MAXIMUM SCORE	SCORE ACHIEVED	STATUS OF VERIFICATION	AUDITOR COMMENTS							
POLIC	Y											
24	The company has a formal written environm	ental policy	y in place.									
<b>√</b>	Yes	2	2	Verified	1. Checked the "HSSE Manual (Document No.: QDM/TYN tube 5.1-2018)", which listed the policy of environment. 2. Checked the "Environmental Management System Certificate (Certification type: ISO 14001: 2015; Certificate No.: 01221E20316R6L; Validity until 2024/04/18)". 3. Checked the "Energy Management System (Document No.: EnM/DM TYN-2019-B0)".							
	No				4. Checked the "Energy Management System Certificate (Certification type: ISO 50001: 2018; Certificate No.: 04121En:20059R2; Validity until 2024/09/6)".  5. Checked the "WEEE compliance 2023 Certificate (Certificate No.: 112852; Signed on 2023/02/06)".  6. Checked the "CDP (Disclosure Insight Action) SCORE REPORT - CLIMATE CHANGE 2022".							
24.1	The environmental policy covers the following	ng topics:										
✓	GHG emissions			Verified	1. Checked the "HSSE Manual (Document No.: QDM/TYN tube 5.1-2018)", which listed the policy of environment. The policy did not contain reduce GHG emissions.  2. Checked the "2022 Environmental, Social, and Governance (ESG) Report of Confidential" (Certification body: TUV Nord; Audit Period: 2023/2/27-2023/3/1.)", which includes "GHG emissions".  3. Checked the "Greenhouse Gas Control Procedure (Document No.: DMIYN-OP-E0-07-70-A0)".  4. Checked the "CDP (Disclosure Insight Action) SCORE REPORT - CLIMATE CHANGE 2022".							
<b>√</b>	Energy efficiency and renewable energy		2	2				Verified	1. Checked the "Environmental Management System Certificate (Certification type: ISO 14001: 2015; Certificate No.: 01221E20316R6L; Validity until 2024/04/18)".  2. Checked the "Energy Management System Certificate (Certification type: ISO 50001: 2018; Certificate No.: 04121En20059R2; Validity until 2024/09/6)".  3. Checked the "Energy Management System (Document No.: EnM/DM TYN-2019-B0)".			
1	End-of-Life Product Stewardship and Circular Economy				Verified	Checked the "WEEE compliance 2023 Certificate (Certificate No.: 112852; Signed on 2023/02/06)", which is about Recycling of Endof-Life Product.						
<b>√</b>	Climate-related risks and opportunities				Verified	Checked the "Greenhouse Gas Emission Control Procedure (Document No.: DW1Y-01-50-02-70-A0)".     Checked the "CDP (Disclosure Insight Action) SCORE REPORT - CLIMATE CHANGE 2022".						
✓	Water quality and consumption	2			2	2	2	2	2	2	2	Verified
<b>1</b>	Waste management			Verified	1. Checked the "HSSE Manual (Document No.: QDM/TYN tube 5.1-2018)", which listed the policy of environment. The policy contained waste management.  2. Checked the "Third party monitoring report for wastewater, exhaust gas, and waste (Document No.: JHHJ221101097)".  3. Checked the "Entrusted Disposal Agreement for Waste Mineral Oil and Hazardous Waste (Agreement No.: HY20230727)".  4. Checked the "Contract for entrusted disposal of oily waste residue (Contract No.: HY20230727-1)".  5. Checked the "Hazardous Waste Control Procedure (Contract No.: DMTYN-OPEO-07-35-A0)".							
1	Recycling			Verified	Checked the "WEEE compliance 2023 Certificate (Certificate No.: 112852; Signed on 2023/02/06)", which is about Recycling of Endof-Life Product.     Checked the "List of technical renovation projects for energy recycling and utilization by manufacturers (Document No.: EnRDMTNN-6.2.1-01-02)".     Checked the "Project for Pure water disc filter backwash water is recycled to the cooling tower for use (Project No.: 2022001)".							
	Others			-	Not selected by manufacturer							

24.2	To promote awareness of the environmental policy, the site:								
✓	Conducts trainings	2	2	Verified	Checked the "2023 Annual Training Plan (Document No.: R/DMTYNS2-01-09-01-01)", which includes "Environmental Policy".     Checked the "Environmental Policy training material and records (Document No.: R/DMTYN-6.2-01-09)". The training was held on 2023/1/19.				
✓	Employs other awareness raising methods			Verified	Manufacturer provided an Environment Day activity and environmental knowledge competition.				
	None of the above			-	Not applicable				

## MANAGEMENT SYSTEM

25	Environmental management system in place.						
✓	The site has a management system in place.		2 <b>2</b>		Checked Environmental Management System Certificate: Certification type: ISO ISO14001: 2015 Certification body: CEPREI Certification No.: 01221E20316R6L Certificate valid from 2021/04/19 Certificate valid until 2024/04/18		
✓	The management system is certified. (ISO 14001 or EU EMAS)	2		Verified			
	No						

25.1	The environmental management system inclu	udes the fo	ollowing asp	ects:		
<b>✓</b>	Management person: The site has a designated management person	5		Verified	Checked the "Organization chart of the Environment, Health and Safety committee (Document No.: DMTYN-W-EHS100)".     Manufacturer has provided name and contact details for designated Environment, Health and Safety management person.	
✓	Risk assessment: The site conducts an environmental risk assessment			Verified	Checked the "Environmental factor identification and evaluation (Document No.: R/DMTYN-EO-01-05)". The latest assessment date was 2022/12/23.	
✓	Objectives and action plan: The site has documented objectives and action plans to address the main environmental impacts			Verified	Checked the "2023 HSSE Objectives (Document No.: R/DMTYN-4.3.3-01-02)", which listed 6 HSSE objectives. Manufacturer conducted a follow-up and action plan.	
✓	Monitoring: The site has a process to periodically review environmental performance		5 <b>5</b>	5 <b>5</b>	Verified	Manufacturer provided EHS KPIs, assessment, and monitoring methods. Manufacturer monitored environmental performance yearly.
<b>✓</b>	Training: The site organizes trainings on environmental matters and factory's environmental procedures			Verified	Checked the "2023 Annual Training Plan (Document No.: R/DMTYNS2-01-09-01-01)", which includes "Environmental Policy".     Checked the "Environmental Policy training material and records (Document No.: R/DMTYN-6.2-01-09)". The training was held on 2023/1/19.	
<b>✓</b>	The site has an environmental committee			Verified	Checked the "Organization chart of the Environment, Health and Safety committee (Document No.: DMTYN-W-EHS100)".     Manufacturer has provided name and contact details for designated Environment, Health and Safety management person.	

## TOPIC: GHG EMISSIONS

26	The site monitors and analyzes greenhouse gas (GHG) emissions.							
✓	Using an internationally recognized scheme		2 <b>2</b>		Checked the "2022 Environmental, Social, and Governance (ESG), which includes "greenhouse gas (GHG) emissions for 2022"     Checked the "Greenhouse Gas Emission Control Procedure (Document No.: DW1Y-01-50-02-70-A0)".     Checked the "CDP (Disclosure Insight Action) SCORE REPORT CLIMATE CHANGE 2022". The report link: https://www.cdp.net/en/.			
	Without public reporting on emissions	2		Verified				
	Not yet							

26.1	The site tracks the following:								
✓	Direct GHG emissions (Scope 1)			Verified	Checked the "2022 Environmental, Social, and Governance (ESG), which includes "Direct GHG emissions (Scope 1) for 2022".     The ESG Website link:     https://www.chinadmegc.com/investor.html?sweiper=4.     Checked the "CDP (Disclosure Insight Action) SCORE REPORT - CLIMATE CHANGE 2022".				
<b>√</b>	Energy indirect GHG emissions (Scope 2)	4	3	Verified	1. Checked the "2022 Environmental, Social, and Governance (ESG), which includes "Direct GHG emissions (Scope 2) for 2022". 2. The ESG Website link: https://www.chinadmegc.com/investor.html?sweiper=4. 3. Checked the "CDP (Disclosure Insight Action) SCORE REPORT - CLIMATE CHANGE 2022".				
	Supply chain GHG emissions (Scope 3)			-	Not selected by manufacturer				
✓	GHG emissions intensity (metric tons CO2 equivalent/ MW)			Verified	Checked the "2022 Environmental, Social, and Governance (ESG), which includes "GHG emissions intensity for 2022".				

26.2	In terms of GHG reduction targets, the site has:								
	Publicly announced targets			-	Not selected by manufacturer				
	An absolute scope 1 reduction target		0	-	Not selected by manufacturer				
	An absolute scope 2 reduction target			-	Not selected by manufacturer				
	An absolute scope 3 reduction target			-	Not selected by manufacturer				
	An intensity reduction target	. 3		-	Not selected by manufacturer				
	Committed to or has targets approved by the Science Based Target initiative (SBT I)			-	Not selected by manufacturer				
	No formal targets yet			-	Not selected by manufacturer				

26.3	If applicable, according to the latest review	of GHG per	formance ag	ainst targets, the site	is:
	Ahead of meeting targets				
	On track to meet targets	Not Scored	Not Scored	-	Not selected by manufacturer
	Falling behind on meeting targets				
26.4	In terms of reporting on GHG practices, the	e site:			
1	Reports publicly			Verified	Checked the "2022 Environmental, Social, and Governance (ESG)", which includes "GHG emissions intensity for 2022".     The ESG Website link: https://www.chinadmegc.com/investor.html?sweiper=4.
1	Responds to CDP	3	3	Verified	Checked the "CDP (Disclosure Insight Action) SCORE REPORT - CLIMATE CHANGE 2022". The report link: https://www.cdp.net/en/
<b>√</b>	Shares emissions data with stakeholders, when relevant			Verified	The manufacturer publishes the "2022 Environmental, Social, and Governance (ESG) on DMEGC's official website (Website: https://www.chinadmegc.com/investor.html?sweiper=4), which anyone can view at any time.
	Does not disclose emissions			-	Not selected by manufacturer

## TOPIC: ENERGY

27	Energy management system for manufacturing sites						
✓	The site has a management system in place.			Verified	Checked the "Energy Management System (Document No.: EnM/DM TYN-2019-B0)".      Checked the "Energy Management System Certificate (Certification type: ISO 50001: 2018; Certificate No.: 04121En20059R2; Validity until 2024/09/6)".		
<b>√</b>	The management system is certified. (E.g. ISO 50001 Energy Management System, US EPA Energy Star)	2	2	Verified	Checked Environmental Management System Certificate: Certification type: ISO 50001: 2018 Certification body: Shenzhen CTI International Certification Co., Ltd. Certification No.: 04121En20059R2 Certificate valid from 2021/10/09 Certificate valid until 2024/09/06		
	No			-	Not applicable		

27.1	The site monitors and analyzes energy cons	umption by	y energy sou	irce.			
✓	Yes	2	2	Varified	Checked 2022 main types and amounts of resources consumed in		
	No	2	2	Verified	the process of production and operation.		
	l	-1					
27.2	In terms of energy consumption, the site trace	CKS:					
✓	Total energy consumed at the site			Verified	Checked the "2022 Energy Review Report (Review Date: January 2023)", which includes "total energy consumed at the site".		
	Energy consumed that was supplied from renewable sources		3			-	Not selected by manufacturer
1	Energy consumed that was supplied from grid electricity	5		Verified	Checked the "2022 Energy Review Report (Review Date: January 2023)", which includes "% energy consumed that was supplied from grid electricity".		
	Energy intensity			-	Not selected by manufacturer		
1	Reduction of energy consumption			Verified	Checked the "2022 Energy Review Report (Review Date: January 2023)", which includes "reduction of energy consumption".		
	None of the above			-	Not applicable		

#### **TOPIC: WATER USAGE**

TOFIC	S: WATER USAGE				
28	The site monitors and analyzes water us	sage and recycli	ing.		
✓	Yes				1. Checked the "2022 Energy Review Report (Review Date: January 2023)". 2. Checked the "Wastewater Monitoring and Control Procedure (Document No.: DMIYN-OPEO-07-71-A0)". 3. Checked the "Third party monitoring report for wastewater,
	No	2	2	Verified	exhaust gas, and waste (Document No.: JHHJ221101097)".  4. Checked the Manufacturer's Monthly COD Monitoring Summary for Wastewater Treatment.  5. Checked the "2022 Drainage Statistics Table (Document No.: R/DMTYN-4.3.1-01-01)".
28.1	In terms of water usage, the site tracks:				
✓	Water withdrawn from all sources			Verified	Checked the "2022 Energy Review Report (Review Date: January 2023)", which includes "Water withdrawn from all sources".
1	Water consumption at the site	3	3	Verified	Checked the "2022 Energy Review Report (Review Date: January 2023)", which includes "Water consumption at the site".
<b>√</b>	Water discharge			Verified	Checked the Manufacturer's Monthly COD Monitoring Summary for Wastewater Treatment.     Checked the "2022 Drainage Statistics Table (Document No.: R/DMTYN-4.3.1-01-01)".

28.2	In terms of water management, the site has i	mplemente	ed:								
1	Technologies or practices to recycle or reuse water			Verified	1. Checked the "List of technical renovation projects for energy recycling and utilization by manufacturers (Document No.: EnRDMTYN-6.2.1-01-02)".  2. Checked the "Project for Pure water disc filter backwash water is recycled to the cooling tower for use (Project No.: 2022001)".  3. Checked the "Third party monitoring report for wastewater, exhaust gas, and waste (Document No.: JHHJ221101097)".  4. Checked the Manufacturer's Monthly COD Monitoring Summary for Wastewater Treatment.						
✓	Water accounting or auditing performed			Verified	Checked the "Third party monitoring report for wastewater, exhaust gas, and waste (Document No.: JHHJ221101097)".     Checked the Manufacturer's Monthly COD Monitoring Summary for Wastewater Treatment.						
✓	Designs or measures to minimize water quality impacts from watercourse crossings			Verified	Checked the "List of technical renovation projects for energy recycling and utilization by manufacturers (Document No.: EnRDMTYN-6.2.1-01-02)".     Checked the "Project for Pure water disc filter backwash water is recycled to the cooling tower for use (Project No.: 2022001)".						
✓	Rainwater harvesting system	5	5	5 <b>5</b>	5	5 <b>5</b>	5 <b>5</b>	5 <b>5</b>	5 <b>5</b>	5 Verified Checked Manufacturer's r.	Checked Manufacturer's rainwater harvesting system
✓	Reduction of water consumption through technology or equipment not mentioned above			Verified	Checked the "List of technical renovation projects for energy recycling and utilization by manufacturers (Document No.: EnRDMTYN-6.2.1-01-02)".      Checked the "Project f+K109or Pure water disc filter backwash water is recycled to the cooling tower for use (Project No.: 2022001)".						
<b>4</b>	On-site or off-site wastewater treatment facilities			Verified	Checked the "Third party monitoring report for wastewater, exhaust gas, and waste (Document No.: JHHJ221101097)".     Checked the Manufacturer's Monthly COD Monitoring Summary for Wastewater Treatment.						
<b>√</b>	Wastewater quality assessment			Verified	Checked the "Third party monitoring report for wastewater, exhaust gas, and waste (Document No.: JHHJ221101097)".     Checked the Manufacturer's Monthly COD Monitoring Summary for Wastewater Treatment.						
<b>√</b>	Control measures to prevent stormwater pollution			Verified	Checked Manufacturer's rainwater harvesting system						
	None of the above			-	Not applicable						

TOPIC	: WASTE				
29	The site monitors and analyzes waste prod	uced and re	cycled.		
<b>√</b>	Yes	2	2	Verified	1. Checked the "2022 Environmental, Social, and Governance (ESG)", which includes "Monitors and analyzes waste usage and recycling".  2. Checked the "HSSE Manual (Document No.: QDM/TYN tube 5.1-2018)", which listed the policy of environment. The policy contained waste management.  3. Checked the "Third party monitoring report for wastewater, exhaust gas, and waste (Document No.: JHHJ221101097)".  4. Checked the "Entrusted Disposal Agreement for Waste Mineral Oil and Hazardous Waste (Agreement No.: HY20230727)".
	No		2	vermeu	5. Checked the "Contract for entrusted disposal of oily waste residue (Contract No.: HY20230727-1)". 6. Checked the "WEEE compliance 2023 Certificate (Certificate N 112852; Signed on 2023/02/06)", which is about Recycling of Endof-Life Product. 7. Checked the "Third party monitoring report for wastewater, exhaust gas, and waste (Document No.: JHHJ221101097)". 8. Checked the "Hazardous Waste Control Procedure (Contract No.: DMTYN-OPEO-07-35-A0)".
29.1	The site uses a subcontractor to handle the	waste			
<b>√</b>	Yes	Not Scored	Not Scored	Verified	Checked the "Entrusted Disposal Agreement for Waste Mineral Oil and Hazardous Waste (Agreement No.: HY20230727)", which described the hazardous waste disposal method and quantity.
	No				<ol><li>Checked the "Contract for entrusted disposal of oily waste residue (Contract No.: HY20230727-1)", which described the hazardous waste disposal method and quantity.</li></ol>
29.2	In terms of waste, the site tracks:				
✓	Total weight of non-hazardous waste generated			Verified	Manufacturer provided statistical results for general waste and hazardous waste.
1	Non-hazardous waste recovered			Verified	The manufacturer provided a disposal form for non hazardous waste recovered for the year 2023, which includes 104.45 tons of waste pallets and 54.78 tons of waste cardboard.
	Non-hazardous waste to landfill			-	Not selected by manufacturer
<b>√</b>	Total weight of hazardous waste generated	5	3	Verified	Checked the "Entrusted Disposal Agreement for Waste Mineral Oil and Hazardous Waste (Agreement No.: HY20230727)", which described the hazardous waste disposal method and quantity.     Checked the "Contract for entrusted disposal of oily waste residue (Contract No.: HY20230727-1)", which described the hazardous waste disposal method and quantity.
	Hazardous waste recycled			-	Not selected by manufacturer
	Others (please specify)				Not selected by manufacturer

## TOPIC: RESOURCE EFFICIENCY AND RECYCLING

30	The site has a program in place to reduce consumption of minerals.						
	Yes  Examples:  • precious metals (e.g. silver)  • other metals (e.g. aluminium)  • others	2	0	Self Declared	Self Declared.		
✓	No						

31	The site monitors and analyzes the use of re	ecycled inp	ut materials.		
✓	Yes				1. Manufacturer has provided the "Solar Energy Waste Management System (Doucment No.: DMTYN-QP-EO-07-31)". 2. Checked the "Statistical Table of Solar Energy Waste Materials (Document No.: R/DMTYN-4.3.1-02-01)", which mainly includes "1) Module product materials, such as waste EVA, waste sheet, waste
	No	2	2	Verified	solder tape, waste aluminum frame, waste battery cells, waste packaging and carton, etc; 2) Solar cell product materials, such as waste silver slurry, waste aluminum slurry, waste silver gloves, etc".  3. Checked the "Statistical Table for the Usage of Packaging and Carton Materials for Recycled Input Materials (Document No.: R/DMTYN-4.3.1-02-01)".

31.1	In terms of used of recycled input materials,	the site tra	acks:		
✓	Recycled materials used from internal recycling of scrap materials during production?	2	1	Verified	Checked the "Statistical Table for the Usage of Packaging and Carton Materials for Recycled Input Materials (Document No.: R/DMTYN-4.3.1-02-01)".      Checked the "Statistical Table for the Usage of Packaging and Carton Materials for Recycled Input Materials (Document No.: R/DMTYN-4.3.1-02-01)".
	Recycled materials from external sources			-	Not selected by manufacturer
	Others (please specify)			-	Not selected by manufacturer

31.2	The folloing components contain a % of rec	ycled mate	rials (PV MO	DULE VERSION)	
	Semiconductor material (feedstock, powder, or wafer)		0	-	Not selected by manufacturer
	Glass	2		-	Not selected by manufacturer
	Frame material			-	Not selected by manufacturer
	Transparent conductive layer			-	Not selected by manufacturer
	Metal pastes and contacts			-	Not selected by manufacturer
	Ribbon			-	Not selected by manufacturer
	Solder			-	Not selected by manufacturer
	Encapsulant			-	Not selected by manufacturer
	Backsheet			-	Not selected by manufacturer

## TOPIC: PRODUCT END-OF-LIFE MANAGEMENT

32	During product design, the company conside	ers the rec	yclability of	the finished product wh	en it reaches its end of life.			
	Yes	2	0		Not coloated by many factures			
✓	No	2		-	Not selected by manufacturer			
33	In terms of end-of-life, the site tracks:							
	Products sold that are recyclable or reusable	3	0	-	Not selected by manufacturer			
	Weight of end-of-life material recovered			-	Not selected by manufacturer			
	Recovered end-of-life material that is recycled			-	Not selected by manufacturer			
					!			
34	The site participates in extended producer re	sponsibili	ty (EPR) or	voluntary initiatives:				
34	The site participates in extended producer re Directly conducts product take-back, recovery, and recycling	sponsibili	ty (EPR) or	voluntary initiatives:	Not selected by manufacturer			
34	Directly conducts product take-back, recovery,	esponsibili 3	ty (EPR) or v	voluntary initiatives:	Not selected by manufacturer  Not selected by manufacturer			
34	Directly conducts product take-back, recovery, and recycling  Supports infrastructure for product recovery and recycling through joint ventures,			voluntary initiatives:				

## TOPIC: LIFE CYCLE ASSESSMENT (LCA)

35	Does your company perform life cycle asses	ssment of t	he products	manufactured at this site	e?
	The company performs LCA			-	Not selected by manufacturer
	The company performs LCA in accordance with international standards (ISO 14040/14044, EU Product Environmental Footprint Guide or IEA Guidelines)	2	0	-	Not selected by manufacturer
	The LCA is reviewed by an independent 3rd party			-	Not selected by manufacturer
	No			-	Not selected by manufacturer



## 4.6 RESPONSIBLE SOURCING

## **TOPIC: SUPPLIER MANAGEMENT**

SR NO	REQUIREMENTS	MAXIMUM SCORE	SCORE ACHIEVED	STATUS OF VERIFICATION	AUDITOR COMMENTS
36	The company has a formal written procurement	policy in p	lace which o	covers ESG topics?	
<b>✓</b>	Yes	2	2	Verified	1. Checked the "Supplier Management Policy (Document No.: Q/DMTYN-S4-02-04-01-B0), which includes "Social Responsibility Assessment" in chapter 4.4. 2. Checked the "Three-link management policy of procurement (Document No.: Q/DMTYN-S4-02-04-03-A0). 3. Checked the "Bidding management rules (Document No.: Q/DMTYN-S4-02-04-04-A0).
37	The common de much make a lieu in alude Abe	fallanda a			
√	The company's procurement policy include the	following a	specis:	Verified	1. Checked the "Supplier code of conduct (Document No.: Q/DMTYN-S4-02-04-02), which inclues ESG requirements towards suppliers. 2. Checked the "Supplier SA 8000 Audit Report (Audit Period: 2023/2/7~2023/2/8). 3. Checked Purchasing contracts, which listed the requirement of Information security and Intellectual property.
	Risk assessment: The supply chain risk assessment includes ESG considerations			-	Not selected by manufacturer
	Objectives and action plan: The site has documented objectives and action plans to address ESG impacts in relation to procurement	5	2 22	-	Not selected by manufacturer
✓	Monitoring: The site has a process to periodically review ESG performance of the supply chain	5	3.33	Verified	Checked the "Supplier SA 8000 Audit Report (Audit Period: 2023/2/7-2023/2/8).     Checked "Supplier assessment checklist (Document No.: RDMT/N-7.4-02-02-41), which includes "Labour and human rights requirements".
<b>√</b>	Training: The site organizes trainings on responsible sourcing and related procedures			Verified	The manufacturer provides regular training on responsible procurement to procurement personnel. For example, Record of anti corruption and bribery training (training time: January 10th, 2023) and Business Conduct Code and Ethics Training Record (Training Time: February 3, 2023).
✓	The site has a committee			Verified	Manufacturer has ESG Management Committee.
38	The company has ESG requirements towards so	uppliers			
<b>✓</b>	Yes	2	2	Verified	Cnecked the Supplier code or conduct (Document No.: Q/DMTYN-S4-02-04-02), which inclues ESG requirements towards suppliers.     Checked the "Supplier SA 8000 Audit Report (Audit Period: 2023/2/7-2023/2/8).     Checked the "Social Responsibility Commitment Letter (Document No.: SA-TYN-SC-01-01)".     Checked the "Supplier Integrity Commitment Letter (Signed on 2023/4/20)".
20.4	The ESC requirements towards cumpliare sover	the followi	na tonico:		011.202.3(4)/201
38.1	The ESG requirements towards suppliers cover Labour and human rights	the followi	ng topics:		
1	Working hours				
1	Wages and benefits				
1	Child labour and young workers				Checked the "Supplier code of conduct (Document No.:      (DATE (1.0.4.00.04.00))
1	Forced labour				Q/DMTYN-S4-02-04-02), which inclues "Labour and human rights requirements" in chapter 5.1~5.7.
	Freedom of association and	0.5	0.50	Verified	Checked "Supplier assessment checklist (Document No.:
<b>√</b>	collective bargaining				RDMTYN-7.4-02-02-A1), which includes "Labour and human
<b>√</b>	Discrimination and harassment				rights requirements".
✓	Disciplinary practices				
✓	Training and career development External stakeholders and human				
✓	rights				
	Health and safety				
✓	Health and safety  Personal protective equipment				1. Checked the "Supplier code of conduct (Document No.:
<b>√</b>	•				Q/DMTYN-S4-02-04-02), which inclues "Health and safety
√ ✓	Personal protective equipment Machine safety Emergency preparedness	0.5	0.40	Verified	Q/DMTYN-S4-02-04-02), which inclues "Health and safety requirements" in chapter 5.8.
	Personal protective equipment Machine safety Emergency preparedness incident and accident	0.5	0.40	Verified	Q/DMTYN-S4-02-04-02), which inclues "Health and safety
<b>✓</b>	Personal protective equipment Machine safety Emergency preparedness	0.5	0.40	Verified	Q/DMTYN-S4-02-04-02), which inclues "Health and safety requirements" in chapter 5.8.  2. Checked "Supplier assessment checklist (Document No.:
√ √ √	Personal protective equipment  Machine safety  Emergency preparedness incident and accident management Workplace ergonomics	0.5	0.40	Verified	Q/DMTYN-S4-02-04-02), which inclues "Health and safety requirements" in chapter 5.8.  2. Checked "Supplier assessment checklist (Document No.: RDMTYN-7.4-02-02-A1), which includes "Health and safety
√ √	Personal protective equipment Machine safety Emergency preparedness incident and accident management Workplace ergonomics Handling of chemicals	0.5	0.40	Verified	Q/DMTYN-S4-02-04-02), which inclues "Health and safety requirements" in chapter 5.8.  2. Checked "Supplier assessment checklist (Document No.: RDMTYN-7.4-02-02-A1), which includes "Health and safety
\frac{1}{\sqrt{1}}	Personal protective equipment Machine safety Emergency preparedness incident and accident management Workplace ergonomics Handling of chemicals Ethics	0.5	0.40	Verified	Q/DMTYN-S4-02-04-02), which inclues "Health and safety requirements" in chapter 5.8.  2. Checked "Supplier assessment checklist (Document No.: RDMTYN-7.4-02-02-A1), which includes "Health and safety
√ √ √	Personal protective equipment Machine safety Emergency preparedness incident and accident management. Workplace ergonomics Handling of chemicals  Ethics Corruption, extortion and bribery	0.5	0.40	Verified	Q/DMTYN-S4-02-04-02), which inclues "Health and safety requirements" in chapter 5.8.  2. Checked "Supplier assessment checklist (Document No.: RDMTYN-7.4-02-02-A1), which includes "Health and safety
✓ ✓ ✓ ✓	Personal protective equipment Machine safety Emergency preparedness incident and accident management Workplace ergonomics Handling of chemicals Ethics Corruption, extortion and bribery Privacy	0.5	0.40	Verified	Q/DMTYN-S4-02-04-02), which inclues "Health and safety requirements" in chapter 5.8.  2. Checked "Supplier assessment checklist (Document No.: RDMTYN-7.4-02-02-A1), which includes "Health and safety
✓ ✓ ✓ ✓	Personal protective equipment Machine safety Emergency preparedness incident and accident management. Workplace ergonomics Handling of chemicals  Ethics Corruption, extortion and bribery	0.5	0.40	Verified	Q/DMTYN-S4-02-04-02), which inclues "Health and safety requirements" in chapter 5.8.  2. Checked "Supplier assessment checklist (Document No.: RDMTYN-7.4-02-02-A1), which includes "Health and safety requirements".  1. Checked the "Supplier code of conduct (Document No.: Q/DMTYN-S4-02-04-02), which inclues "Corruption, extortion
\frac{1}{\sqrt{1}}	Personal protective equipment Machine safety Emergency preparedness incident and accident management Workplace ergonomics Handling of chemicals  Ethics  Corruption, extortion and bribery Privacy Financial responsibility (accurate	0.5	0.40	Verified Verified	Q/DMTYN-S4-02-04-02), which inclues "Health and safety requirements" in chapter 5.8.  2. Checked "Supplier assessment checklist (Document No.: RDMTYN-7.4-02-02-A1), which includes "Health and safety requirements".  1. Checked the "Supplier code of conduct (Document No.: Q/DMTYN-S4-02-04-02), which inclues "Corruption, extortion and bribery and Whistleblowing and protection against
\frac{1}{\sqrt{1}}	Personal protective equipment Machine safety Emergency preparedness incident and accident management Workplace ergonomics Handling of chemicals  Ethics  Corruption, extortion and bribery Privacy Financial responsibility (accurate records)				Q/DMTYN-S4-02-04-02), which inclues "Health and safety requirements" in chapter 5.8.  2. Checked "Supplier assessment checklist (Document No.: RDMTYN-7.4-02-02-A1), which includes "Health and safety requirements".  1. Checked the "Supplier code of conduct (Document No.: Q/DMTYN-S4-02-04-02), which inclues "Corruption, extortion and bribery and Whistleblowing and protection against retaliation" in chapter 7.
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Personal protective equipment Machine safety Emergency preparedness incident and accident management. Workplace ergonomics Handling of chemicals  Ethics Corruption, extortion and bribery Privacy Financial responsibility (accurate records) Information security				Q/DMTYN-S4-02-04-02), which inclues "Health and safety requirements" in chapter 5.8.  2. Checked "Supplier assessment checklist (Document No.: RDMTYN-7.4-02-02-A1), which includes "Health and safety requirements".  1. Checked the "Supplier code of conduct (Document No.: Q/DMTYN-S4-02-04-02), which inclues "Corruption, extortion and bribery and Whistleblowing and protection against retailation" in chapter 7.  2. Checked the "Supplier Integrity Commitment Letter (Signed
\frac{1}{\sqrt{1}}	Personal protective equipment Machine safety Emergency preparedness incident and accident management. Workplace ergonomics Handling of chemicals  Ethics Corruption, extortion and bribery Privacy Financial responsibility (accurate records) Information security Fair competition and anti-trust				Q/DMTYN-S4-02-04-02), which inclues "Health and safety requirements" in chapter 5.8.  2. Checked "Supplier assessment checklist (Document No.: RDMTYN-7.4-02-02-A1), which includes "Health and safety requirements".  1. Checked the "Supplier code of conduct (Document No.: Q/DMTYN-S4-02-04-02), which inclues "Corruption, extortion and bribery and Whistleblowing and protection against retaliation" in chapter 7.
\frac{1}{\sqrt{1}}	Personal protective equipment Machine safety Emergency preparedness incident and accident management. Workplace ergonomics Handling of chemicals  Ethics  Corruption, extortion and bribery Privacy Financial responsibility (accurate records) Information security Fair competition and anti-trust Conflicts of interest				Q/DMTYN-S4-02-04-02), which inclues "Health and safety requirements" in chapter 5.8.  2. Checked "Supplier assessment checklist (Document No.: RDMTYN-7.4-02-02-A1), which includes "Health and safety requirements".  1. Checked the "Supplier code of conduct (Document No.: Q/DMTYN-S4-02-04-02), which inclues "Corruption, extortion and bribery and Whistleblowing and protection against retailation" in chapter 7.  2. Checked the "Supplier Integrity Commitment Letter (Signed

	Environment				
<b>√</b>	GHG emissions  Energy efficiency and renewable				
	energy	0.5 0.30			
	End-of-Life Product Stewardship				Checked the "Supplier code of conduct (Document No.:
	and Circular Economy		Verified	Q/DMTYN-S4-02-04-02), which inclues "GHG emissions, Water quality and consumption, Waste management and Recycling	
	Climate-related risks and opportunities				requirements" in chapter 6.
<b>√</b>	Water quality and consumption				
<i>'</i>	Waste management				
1	Recycling				
38.2	The company communicates ESG requirements  High performing suppliers (on ESG topics) have	to supplie	rs via:		
	access to incentives (e.g. supplier awards,			-	Not selected by manufacturer
	preferred supplier program, access to RFP, etc)				
1	ESG clauses integrated into supplier contracts			Verified	Checked Purchasing contracts, which listed the requirements of
٧	200 dauses integrated into supplier contracts			vermed	Information security and Intellectual property.
	Curalian taninin na				Net calcuted by many factors
	Supplier trainings			-	Not selected by manufacturer
		5	3		
	ESG requirements are part of Supplier Code of				Checked the "Supplier code of conduct (Document No.:
✓	Conduct or Supplier Sustainability Policy			Verified	Q/DMTYN-S4-02-04-02), which inclues ESG requirements towards suppliers.
					towards suppliers.
	ESG requirements are on company website or				ESC Wobeito link
✓	supplier portal or communicate in other way to			Verified	ESG Website link: https://www.chinadmegc.com/investor.html?sweiper=4
	suppliers				
	None of the above			-	Not selected by manufacturer
38.3	To monitors compliance with ESG requirement	s the com	nany:		
30.3	Requires certification or 3rd party audits	5, 1110 00111	purry.		Not selected by manufacturer
	requires certification of 5rd party addits			-	Not selected by manufacturer
					Manufacturers audit their suppliers in accordance with the
					requirements of SA 8000 and issue a supplier's SA 8000 audit report. Checked the "Supplier SA 8000 Audit Report (Audit
	Performs 2nd party audits	5	2		Period: 2023/2/7~2023/2/8). Checked the "Supplier SA 8000
✓				Verified	Audit Report (Audit Period: 2023/2/7~2023/2/8).
					The manufacturer conducts an annual audit of suppliers every year, and the audit report includes content on social
					responsibility. Checked the "2022 Supplier Annual Audit
					Report".
	Deploys a supplier questionnaire			_	Not selected by manufacturer
	Boploys a supplier questionnaire				
	None of the above			-	Not applicable
	None of the above			-	Not applicable
38.4	None of the above  The company has included ESG criteria into its	supplier qu	ualification p	- rocess:	Not applicable
38.4	The company has included ESG criteria into its ESG requirements are part of requests for	supplier qu	ualification p	rocess:	
38.4	The company has included ESG criteria into its	supplier qu	ualification p	rocess:	Not applicable  Not selected by manufacturer
38.4	The company has included ESG criteria into its ESG requirements are part of requests for proposals	supplier qu	ualification p	rocess:	Not selected by manufacturer
38.4	The company has included ESG criteria into its ESG requirements are part of requests for	•••	·	rocess:	
38.4	The company has included ESG criteria into its ESG requirements are part of requests for proposals ESG-related certification/ audit reports are a	<b>supplier qu</b> 5	ualification p	rocess:	Not selected by manufacturer
38.4	The company has included ESG criteria into its ESG requirements are part of requests for proposals ESG-related certification/ audit reports are a	•••	·	rocess:	Not selected by manufacturer
38.4	The company has included ESG criteria into its  ESG requirements are part of requests for proposals  ESG-related certification/ audit reports are a prerequisute for supplier qualification	•••	·	rocess:	Not selected by manufacturer  Not selected by manufacturer
38.4	The company has included ESG criteria into its  ESG requirements are part of requests for proposals  ESG-related certification/ audit reports are a prerequisute for supplier qualification	•••	·	rocess:	Not selected by manufacturer  Not selected by manufacturer
	The company has included ESG criteria into its ESG requirements are part of requests for proposals  ESG-related certification/ audit reports are a prerequisute for supplier qualification  Deploys a supplier questionnaire	5	0	rocess:	Not selected by manufacturer  Not selected by manufacturer  Not selected by manufacturer
38.4	The company has included ESG criteria into its  ESG requirements are part of requests for proposals  ESG-related certification/ audit reports are a prerequisute for supplier qualification  Deploys a supplier questionnaire	5	0	rocess:	Not selected by manufacturer  Not selected by manufacturer  Not selected by manufacturer
39	The company has included ESG criteria into its  ESG requirements are part of requests for proposals  ESG-related certification/ audit reports are a prerequisute for supplier qualification  Deploys a supplier questionnaire  Not yet  To integrates ESG topics within procurement, the	5	0	-	Not selected by manufacturer  Not selected by manufacturer  Not selected by manufacturer  Not applicable
	The company has included ESG criteria into its ESG requirements are part of requests for proposals  ESG-related certification/ audit reports are a prerequisute for supplier qualification  Deploys a supplier questionnaire	5	0	rocess: Verified	Not selected by manufacturer  Not selected by manufacturer  Not selected by manufacturer
39	The company has included ESG criteria into its  ESG requirements are part of requests for proposals  ESG-related certification/ audit reports are a prerequisute for supplier qualification  Deploys a supplier questionnaire  Not yet  To integrates ESG topics within procurement, the Has a formal procurement policy covering ESG	5	0	-	Not selected by manufacturer  Not selected by manufacturer  Not selected by manufacturer  Not applicable  Checked the "Environmental procurement guidelines (Signed
39	The company has included ESG criteria into its  ESG requirements are part of requests for proposals  ESG-related certification/ audit reports are a prerequisute for supplier qualification  Deploys a supplier questionnaire  Not yet  To integrates ESG topics within procurement, the Has a formal procurement policy covering ESG topics	5	0	- - - Verified	Not selected by manufacturer  Not selected by manufacturer  Not applicable  Checked the "Environmental procurement guidelines (Signed on 2023/1/4)"  Checked the "Supplier code of conduct (Document No.:
39	The company has included ESG criteria into its  ESG requirements are part of requests for proposals  ESG-related certification/ audit reports are a prerequisute for supplier qualification  Deploys a supplier questionnaire  Not yet  To integrates ESG topics within procurement, the Has a formal procurement policy covering ESG	5	0	-	Not selected by manufacturer  Not selected by manufacturer  Not applicable  Checked the "Environmental procurement guidelines (Signed on 2023/1/4)"  Checked the "Supplier code of conduct (Document No.: Q/DMTYN-S4-02-04-02), which inclues ESG requirements
39	The company has included ESG criteria into its  ESG requirements are part of requests for proposals  ESG-related certification/ audit reports are a prerequisute for supplier qualification  Deploys a supplier questionnaire  Not yet  To integrates ESG topics within procurement, the Has a formal procurement policy covering ESG topics	5	0	- - - Verified	Not selected by manufacturer  Not selected by manufacturer  Not applicable  Checked the "Environmental procurement guidelines (Signed on 2023/1/4)"  Checked the "Supplier code of conduct (Document No.:
39	The company has included ESG criteria into its  ESG requirements are part of requests for proposals  ESG-related certification/ audit reports are a prerequisute for supplier qualification  Deploys a supplier questionnaire  Not yet  To integrates ESG topics within procurement, the Has a formal procurement policy covering ESG topics  Has a supplier Code of Conduct in place	5	0	- - - Verified	Not selected by manufacturer  Not selected by manufacturer  Not applicable  Checked the "Environmental procurement guidelines (Signed on 2023/1/4)"  Checked the "Supplier code of conduct (Document No.: Q/DMTYN-S4-02-04-02), which inclues ESG requirements towards suppliers.
39	The company has included ESG criteria into its  ESG requirements are part of requests for proposals  ESG-related certification/ audit reports are a prerequisute for supplier qualification  Deploys a supplier questionnaire  Not yet  To integrates ESG topics within procurement, the Has a formal procurement policy covering ESG topics	5	o y:	- - - Verified	Not selected by manufacturer  Not selected by manufacturer  Not applicable  Checked the "Environmental procurement guidelines (Signed on 2023/1/4)"  Checked the "Supplier code of conduct (Document No.: Q/DMTYN-S4-02-04-02), which inclues ESG requirements
39	The company has included ESG criteria into its  ESG requirements are part of requests for proposals  ESG-related certification/ audit reports are a prerequisute for supplier qualification  Deploys a supplier questionnaire  Not yet  To integrates ESG topics within procurement, the Has a formal procurement policy covering ESG topics  Has a supplier Code of Conduct in place  Conducts supply chain ESG risk analysis	5	o y:	- - - Verified	Not selected by manufacturer  Not selected by manufacturer  Not applicable  Checked the "Environmental procurement guidelines (Signed on 2023/1/4)"  Checked the "Supplier code of conduct (Document No.: Q/DMTYN-S4-02-04-02), which inclues ESG requirements towards suppliers.  Not selected by manufacturer
39	The company has included ESG criteria into its  ESG requirements are part of requests for proposals  ESG-related certification/ audit reports are a prerequisute for supplier qualification  Deploys a supplier questionnaire  Not yet  To integrates ESG topics within procurement, the Has a formal procurement policy covering ESG topics  Has a supplier Code of Conduct in place	5	o y:	- - - Verified	Not selected by manufacturer  Not selected by manufacturer  Not applicable  Checked the "Environmental procurement guidelines (Signed on 2023/1/4)"  Checked the "Supplier code of conduct (Document No.: Q/DMTYN-S4-02-04-02), which inclues ESG requirements towards suppliers.
39	The company has included ESG criteria into its  ESG requirements are part of requests for proposals  ESG-related certification/ audit reports are a prerequisute for supplier qualification  Deploys a supplier questionnaire  Not yet  To integrates ESG topics within procurement, the Has a formal procurement policy covering ESG topics  Has a supplier Code of Conduct in place  Conducts supply chain ESG risk analysis  Trains buyers on ESG issues in the supply chain  Integrates sustainable procurement objectives into	5	o y:	- - - Verified	Not selected by manufacturer  Not selected by manufacturer  Not applicable  Checked the "Environmental procurement guidelines (Signed on 2023/1/4)"  Checked the "Supplier code of conduct (Document No.: Q/DMTYN-S4-02-04-02), which inclues ESG requirements towards suppliers.  Not selected by manufacturer  Not selected by manufacturer
39	The company has included ESG criteria into its  ESG requirements are part of requests for proposals  ESG-related certification/ audit reports are a prerequisute for supplier qualification  Deploys a supplier questionnaire  Not yet  To integrates ESG topics within procurement, the Has a formal procurement policy covering ESG topics  Has a supplier Code of Conduct in place  Conducts supply chain ESG risk analysis  Trains buyers on ESG issues in the supply chain	5	o y:	- - - Verified	Not selected by manufacturer  Not selected by manufacturer  Not applicable  Checked the "Environmental procurement guidelines (Signed on 2023/1/4)"  Checked the "Supplier code of conduct (Document No.: Q/DMTYN-S4-02-04-02), which inclues ESG requirements towards suppliers.  Not selected by manufacturer

## **TOPIC: MATERIAL SOURCING**

JIC ICO	SR NO	REQUIREMENTS	MAXIMUM SCORE	SCORE ACHIEVED	STATUS OF VERIFICATION	AUDITOR COMMENTS
40	The com	pany products contain the followi	ng materials:			
1		uminium/ Bauxite	<b>J</b>			
	Co	balt				
<b>√</b>	Co	ppper				
✓	Po	plysilicon				
	Go	old				1. The aluminum frame of the product contains
	Lit	hium				Aluminium/ Bauxite materials.
	Ni	ckel	Not	Not Scored		The Ribbon of the product contains Copper and Tin
	Pa	ılladium	Scored		Verified	materials.
	Ra	are Earth Elements	Scored			
	St	eel/ Iron				The Solar cell of the product contains Polysilicon materials.
	Ta	ntalum				
✓	Tit	1				
	Tu	ngsten				
	Zir	nc				
	None of t	he above				
40.4	Ear any	notorials marked shows the semi	any has a nalisy		ible coursing for that mater	rial
40.1	For any r	materials marked above, the comp	pany has a policy	on respons	ible sourcing for that mater	rial
40.1 ✓	For any r	materials marked above, the comp	pany has a policy	on respons	ible sourcing for that mater	rial
		naterials marked above, the comp	pany has a policy	on respons	ible sourcing for that mater	Self Declared
	Yes				-	
✓	Yes No Not Appli	cable	2	0	Self Declared	
<b>√</b>	Yes No Not Applie		2	0	Self Declared	
	Yes No Not Appli If cobalt Yes	cable	2 y has a Cobalt Re	0 eporting Ten	Self Declared	Self Declared
40.2	Yes No Not Appli If cobalt Yes No	cable was selected in Q36, the company	2 y has a Cobalt Re	0	Self Declared	
✓	Yes No Not Appli If cobalt Yes	cable was selected in Q36, the company	2 y has a Cobalt Re	0 eporting Ten	Self Declared	Self Declared
40.2	Yes  No Not Appli  If cobalt Yes No Not Appli	cable was selected in Q36, the company	y has a Cobalt Re	0 eporting Tem	Self Declared  plate?  Not Applicable	Self Declared  Not applicable
40.2	Yes  No Not Appli  If cobalt Yes No Not Appli	cable was selected in Q36, the company	y has a Cobalt Re	0 eporting Tem	Self Declared  plate?  Not Applicable	Self Declared  Not applicable
40.2	Yes  No Not Appli  If cobalt Yes No Not Appli  If tantalu	cable was selected in Q36, the company	y has a Cobalt Re Not Scored	0 eporting Tem	Self Declared  plate?  Not Applicable	Self Declared  Not applicable



- 1. Assessment Information
- 2. Profile
- 3. ESG Summary
- 4. ESG Assessment
- 5. Annexure



Report Number: STS-ESG-W15840F004-2023-06-06-001-R00

Issuance date: 2023/6/6
Organization: Confidential
Site: Confidential

## 5.1 STS ESG (ENVIRONMENT, SOCIAL, GOVERNANCE) REMOTE ASSESSMENT

#### **PURPOSE**

The ESG (Environment-Social-Governance) assessment aims to provide information on the sustainability management system a specific manufacturing facility has in place.

#### STANDARDS OF REFERENCE

The assessment takes as a basis requirements outlined in internationally recognized frameworks, such as the UN Guiding Principles on Business and Human Rights, UN Global Compact Principles, UN Sustainable Development Goals, Core ILO Conventions, SA8000 Social Accountability, ISO26000 Guidance on social responsibility, ISO 14001 environmental management system, Sustainability Accounting Standard Board (SASB) standards.

#### PROCESS STEPS OF ESG ASSESSMENT

The Assessment is deployed remotely through an assessment questionnaire. Manufacturers are invited to fill out the questionnaire and supply the supporting documentation.

STS verifies the evidence remotely and produces a report.

The report contains a score per section as well as a score on overall performance.

#### ASSESSMENT QUESTION EVALUATION AND SCORE

Each assessment requirements are evaluated based on the evidence received, specific guidance based on STS experts and STS auditor evaluation. The auditor asks requirement-based questions to collect evidence, then evaluates the conformity of those evidence based on requirements and guidance. The assessment grid will automatically calculate for each questions a evaluation score. The table below shows this process

	Self Questionnaire	Evidence	Verification	Score
1	Yes	Verified, evidence is relevant	Verified	100%
✓	Yes	Evidence is not sufficient	Not sufficient	50%
1	Yes	No evidence or evidence is not relevant	Self declared	0%
1	No	Self declared	Self declared	0%

#### **DEFINITION**

- Verified: Supporting evidence is sufficient and relevant to the assessed requirement. The evidence should be a document that is either a controlled document with reference and version, or an official document with company logo, name, or a screenshot of a system with possibility to verify the system page.
- Not sufficient: Evidence provided is not sufficient for STS to verify the manufacturer meets the requirement. Either the document is not receivable as controlled document or it is not fulfilling the requirement.
- Self declared: No evidence provided or evidence is not relevant to the requirement.
- Not Applicable: The requirement is not applicable for assessment.
- ( ): The option under question is not selected by manufacturer in questionnaire.

## **ESG ASSESSMENT - STRUCTURE**

ESG remote assessment is structured in six main sections. Each section is counting for a specific weight on the ESG scoring.
 Below table summaries STS ESG Assessment structure, sections and the associated weights for the calculation of scoring.

	WEIGHT	CHAPTERS
	10%	SUSTAINABILITY MANAGEMENT
	25%	LABOR AND HUMAN RIGHTS
ESG ASSESSMENT	20%	HEALTH AND SAFETY
	10%	ETHICS
	25%	ENVIRONMENT
	10%	RESPONSIBLE SOURCING

## **OVERALL ESG SCORING CALCULATION**

ESG ASSESSMENT	SECTIONS	GROSS SCORING	WEIGHT	SCORING AS PER WEIGHTAGE	FINAL SCORE
	SUSTAINABILITY MANAGEMENT	WEIGHTED AVERAGE PER SECTION	10%	ESG SECTION GROSS SCORE x WEIGHT	TOTAL OF SCORING AS PER WEIGHTAGE OF SECTIONS
	LABOR AND HUMAN RIGHTS	WEIGHTED AVERAGE PER SECTION	25%	ESG SECTION GROSS SCORE x WEIGHT	
	HEALTH AND SAFETY	WEIGHTED AVERAGE PER SECTION	20%	ESG SECTION GROSS SCORE x WEIGHT	
	ETHICS	WEIGHTED AVERAGE PER SECTION	10%	ESG SECTION GROSS SCORE x WEIGHT	
	ENVIRONMENT	WEIGHTED AVERAGE PER SECTION	25%	ESG SECTION GROSS SCORE x WEIGHT	
	RESPONSIBLE SOURCING	WEIGHTED AVERAGE PER SECTION	10%	ESG SECTION GROSS SCORE x WEIGHT	

Initial

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#### 5.2 ESG - DEFINITIONS & INTERNATIONAL STANDARDS REFERENCE GUIDE

#### 1. SUSTAINIBILITY MANAGEMENT

<u>Management system:</u> set of interrelated or interacting elements of an organization to establish policies and objectives and processes to achieve those objectives. A management system can address a single discipline or several disciplines (e.g., quality, environment, occupational health and safety, energy, financial management). The system elements include the organization's structure, roles and responsibilities, planning and operation, performance evaluation and improvement. The scope of a management system can include the whole of the organization, specific and identified functions of the organization, specific and identified sections of the organization, or one or more functions across a group of organizations. NSF-457-2019-1

https://globalelectronicscouncil.org/wp-content/uploads/NSF-457-2019-1.pdf

#### 2. LABOR AND HUMAN RIGHTS

<u>Human rights</u>: An authoritative list of the core internationally recognized human rights is contained in the International Bill of Human Rights (consisting of the Universal Declaration Of Human Rights and the main instruments through which it has been codified: the International Covenant On Civil And Political Rights and the International Covenant On Economic, Social And Cultural Rights), coupled with the principles concerning fundamental rights in the eight ILO core conventions as set out in the Declaration On Fundamental Principles And Rights At Work.

https://www.un.org/en/about-us/universal-declaration-of-human-rights

https://www.ohchr.org/en/instruments-mechanisms/instruments/international-covenant-civil-and-political-rights

https://www.ohchr.org/en/instruments-mechanisms/instruments/international-covenant-economic-social-and-cultural-rights

https://www.ilo.org/declaration/lang--en/index.htm

<u>Community engagement</u>: Companies should encourage local capacity building through close co-operation with the local community, including business interests, as well as developing the enterprise's activities in domestic and foreign markets, consistent with the need for sound commercial practice. OECD Guidelines

https://www.oecd.org/daf/inv/mne/48004323.pdf

<u>Collective bargaining</u>: is a process of negotiations between employers and a group of employees, aimed at reaching an agreement that regulates working conditions.

https://unglobalcompact.org/what-is-gc/mission/principles/principle-3

#### POLICY

As the basis for embedding their responsibility to respect human rights, business enterprises are expected to express their commitment to meet this responsibility through a statement of policy that:

- ~ Is approved at the most senior level of the business enterprise;
- ~ Is informed by relevant internal and/or external expertise;
- ~ Stipulates the enterprise's human rights expectations of personnel, business partners and other parties directly linked to its operations, products or services;
- ~ Is publicly available and communicated internally and externally to all personnel, business partners and other relevant parties;
- ~ Is reflected in operational policies and procedures necessary to embed it throughout the business enterprise. UN Guiding Principles on Business and Human Rights

More resources: Guide from the UN on How to Develop a Human Rights Policy

 $https://www.ohchr.org/sites/default/files/documents/publications/guiding principles business hr\_en.pdf$ 

 $https://d306 pr 3 pise 04h. cloud front.net/docs/issues\_doc\% 2 Fhuman\_rights\% 2 FResources\% 2 FHR\_Policy\_Guide.pdf$ 

## **MANAGEMENT SYSTEM**

<u>Human rights risks</u>: Human rights risks are understood to be the business enterprise's potential adverse human rights impacts. Potential impacts should be addressed through prevention or mitigation, while actual impacts – those that have already occurred – should be a subject for remediation. Human rights due diligence can be included within broader enterprise risk management systems, provided that it goes beyond simply identifying and managing material risks to the company itself, to include risks to rights-holders. UN Guiding Principles on Business and Human Rights

 $https://www.ohchr.org/sites/default/files/documents/publications/guiding principles business hr\_en.pdf and the properties of the propert$ 

<u>Human rights risk assessment</u> includes assessing the human rights context prior to a proposed business activity, where possible; identifying who may be affected; cataloguing the relevant human rights standards and issues; and projecting how the proposed activity and associated business relationships could have adverse human rights impacts on those identified. UN Guiding Principles on Business and Human Rights

https://www.ohchr.org/sites/default/files/documents/publications/guidingprinciplesbusinesshr\_en.pdf

#### TOPIC: CHILD LABOR/ FORCED LABOR

Forced or compulsory labour is any work or service that is exacted from any person under the menace of any penalty, and for which that person has not offered himself or herself voluntarily.

https://unglobalcompact.org/what-is-gc/mission/principles/principle-4

**Child labour**: relates to the prohibition of employment of children who are under the legal minimum working age. ILO Conventions provide the framework for national law to prescribe a minimum age for admission to employment or work that must not be less than the age for completing compulsory schooling, and in any case not less than 15 years.

Type of Work	Developed countries	Developing countries
Light Work	13 Years	12 Years
Regular Work	15 Years	14 Years
Hazardous Work	18 Years	18 Years

https://unglobalcompact.org/what-is-gc/mission/principles/principle-5

#### **TOPIC: HARASSMENT AND DISCRIMINATION**

Discrimination: Discrimination in employment and occupation means treating people differently or less favourably because of characteristics that are not related to their merit or the inherent requirements of the job. In national law, these characteristics commonly include: race, colour, sex, religion, political opinion, national extraction, social origin, age, disability, HIV/AIDS status, trade union membership, and sexual orientation.

https://unglobalcompact.org/what-is-gc/mission/principles/principle-6

#### **TOPIC: EMPLOYEE VOLUNTEERING**

Freedom of association: Freedom of association implies respect for the right of all employers and all workers to freely and voluntarily establish and join groups for the promotion and defence of their occupational interests.

https://unglobalcompact.org/what-is-gc/mission/principles/principle-3

#### 3. HEALTH AND SAFETY

A health and safety management system is a structured set of policies, procedures, and practices implemented by an organization to manage health and safety risks in the workplace. It involves identifying potential hazards, assessing risks, and implementing measures to control or eliminate those risks. The aim of a health and safety management system is to promote a safe and healthy working environment for all employees, as well as to comply with relevant laws, regulations, and standards. It typically includes elements such as hazard identification, risk assessment, training, emergency response planning, and continuous monitoring and improvement. Management systems can be developed in-house or in compliance with national or international standards. Certification of management systems assures stakeholders that a company is committed to operating sustainably and has established all necessary protocols and practices.

#### 4. ETHICS

A **business ethics policy** is a set of guidelines and principles that outline the standards of conduct expected of employees and the organization as a whole in their business activities. It typically covers issues such as bribery, corruption, conflicts of interest, discrimination, harassment, privacy, and environmental responsibility. The policy helps to ensure that the organization acts ethically and in compliance with legal and regulatory requirements, as well as with the organization's own values and standards. A business ethics policy can also help to promote a positive corporate culture, strengthen stakeholder trust, and minimize reputational risks. It is typically communicated to all employees and stakeholders and is subject to periodic review and updating.

#### 5. ENVIRONMENT

#### **POLICY**

Environmental management system (EMS): Part of the management system used to manage environmental aspects, fulfil compliance obligations, and address risks and opportunities. NSF/ANSI 457 – 2019

https://globalelectronicscouncil.org/wp-content/uploads/NSF-457-2019-1.pdf

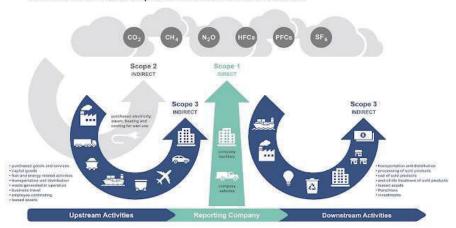
#### **TOPIC: GHG EMISSIONS**

Greenhouse Gasses (GHG) include the six gases listed in the Kyoto Protocol: carbon dioxide (CO2); methane (CH4); nitrous oxide (N2O); hydrofluorocarbons (HFCs); perfluorocarbons (PFCs); and sulphur hexafluoride (SF6). GHG Protocol https://ghgprotocol.org/sites/default/files/standards/ghg-protocol-revised.pdf

According to the GHG Protocol, a key component of effective GHG management is setting a GHG emission reduction target and tracking performance against the target. Emission reduction targets could cover:

- -Scope 1 Direction company emissions related to burning fossil fuel on-site:
- -Scope 2 Indirect company emissions related to the production of purchased electricity, heat or steam;
- -Scope 3 Indirect company emissions related to your company's value chain activities, including upstream and downstream emissions.

#### Overview of GHG Protocol Scopes and Emissions Across the Value Chain



CDP is a non-profit organization that runs a global disclosure system for investors, companies, cities, states and regions to manage their environmental impacts. CDP uses a scoring methodology to incentivize companies to measure and manage environmental impacts through participation in CDP's climate change, water, forests, and supply chain programs. Reporting on GHG emissions is in the scope of CDP's climate change reporting template.

https://www.cdp.net/en/info/about-us

#### **TOPIC: ENERGY**

Solar panel manufacturing typically uses electrical energy purchased from the grid. Energy can account for a considerable share of the total cost of production. In light of rising energy costs and regulatory uncertainty surrounding the future of fossil-based energy, companies that diversify their energy sources may be better able to manage the associated risks and maintain a reliable energy supply. Companies that minimize their energy use through effective energy management can reduce costs and gain a competitive advantage through operational efficiency and competitive pricing of products. This is particularly important given the intense price competition within the solar technology industry.

https://www.sasb.org/wp-content/uploads/2018/11/Solar\_Technology\_Project\_Developers\_Standard\_2018.pdf

#### **TOPIC: ENERGY**

An energy management system (EnMS): is a framework for energy consumers, including industrial, commercial and public sector organizations, to manage their energy use. It helps companies identify opportunities to adopt and improve energy-saving technologies, including those that do not necessarily require high capital investment. In most cases, the successful implementation of an EnMS requires specialized expertise and staff training. An EnMS may cover only part of the manufacturing operations at a given facility, or could include all buildings at a location.

https://www.iso.org/files/live/sites/isoorg/files/store/en/PUB100400.pdf https://www.unido.org/sites/default/files/2017-11/IEE\_EnMS\_Practical\_Guide.pdf

#### **TOPIC: WATER USAGE**

Solar photovoltaic panel manufacturing can be water-intensive, and ultra-pure water is a critical input in some processes. The manufacturing process can also generate wastewater, which must be treated before disposal or reuse, and can therefore result in operating costs and additional capital expenditures. Furthermore, depending on their location, solar equipment manufacturing facilities may be exposed to the risk of reduced water availability (scarcity) and related cost increases or operational disruptions. The use of local water resources is a risk that can generate tension with local water users, potentially disrupting manufacturing operations and adversely impacting brand value. To mitigate water supply and treatment risks, companies can adopt various strategies such as recycling process water, improving production techniques to lower water intensity, and improving water treatment systems.

 $https://www.sasb.org/wp-content/uploads/2018/11/Solar\_Technology\_Project\_Developers\_Standard\_2018.pdf$ 

## Water consumption is defined as:

- -Water that evaporates during withdrawal, usage, and discharge;
- -Water that is directly or indirectly incorporated into the entity's product or service;
- -Water that does not otherwise return to the same catchment area from which it was withdrawn, such as water returned to another catchment area or the sea.NSF/ANSI 457 2019

https://globalelectronicscouncil.org/wp-content/uploads/NSF-457-2019-1.pdf

<u>Water sources</u> include surface water (including water from wetlands, rivers, lakes, and oceans), groundwater, rainwater collected directly and stored by the entity, and water and wastewater obtained from municipal water supplies, water utilities, or other entities. NSF/ANSI 457 – 2019

https://globalelectronicscouncil.org/wp-content/uploads/NSF-457-2019-1.pdf

#### **TOPIC: WASTE**

Solar panel manufacturing may involve the use of hazardous substances that can cause adverse health and environmental impacts if not properly managed. Common thin-film technologies can utilize materials including cadmium, gallium arsenide, and copper indium gallium (di)selenide, which require careful handling during the manufacturing process and disposal. The handling and disposal of hazardous wastes produced during manufacturing can lead to operating costs, capital expenditures, and in some instances result in regulatory costs. As such, effective management of hazardous materials, including through reduction, reuse, recycling, and safe storage and disposal, can lower operating costs and mitigate potential regulatory penalties or reputational damage.

https://www.sasb.org/wp-content/uploads/2018/11/Solar\_Technology\_Project\_Developers\_Standard\_2018.pdf

#### **TOPIC: RESOURCE EFFICIENCY AND RECYCLING**

Recycling: Operations by which products, components, materials, or waste are processed and converted into raw materials for use in the production of new products or in processes, not including energy recovery or disposal. NSF/ANSI 457 – 2019

https://globalelectronicscouncil.org/wp-content/uploads/NSF-457-2019-1.pdf

Recycled material: The following equation shall be used to calculate the percentage:

recycled material by weight/ total material (of the type in the numerator) by weight × 100 = % recycled content

Recycled material calculation is applicable to the following materials:

- -PV modules: semiconductor material (feedstock, powder, or wafer); glass; frame material; transparent conductive layer; metal pastes and contacts; ribbon; solder; encapsulant; and backsheet.
- -PV inverters: enclosure (housing); printed circuit board assembly including capacitors; display; power semiconductor and packaging (e.g., IGBT, silicon carbide and gallium nitride); choke or inductor; cables and switches; and other plastic parts. NSF/ANSI 457 2019

https://globalelectronicscouncil.org/wp-content/uploads/NSF-457-2019-1.pdf

Guidance on PV Modules Design for Recycling is provided by Task-12 of the International Energy Agency (IEA). See PV Module Design for Recycling Guidelines

https://iea-pvps.org/key-topics/pv-module-design-for-recycling-guidelines/

#### **TOPIC: PRODUCT END-OF-LIFE MANAGEMENT**

Solar panels may contain hazardous substances as well as reusable materials of high economic value. Given the rapid expansion of solar energy globally, increasing volumes of solar panels are expected to reach the end of their useful life in the medium term. In some regions, including parts of the EU, manufacturers are required by law to take financial responsibility for their products at the end-of-life stage, including collection and recycling. Product take-back, recycling, and disposal may result in higher upfront investments or capital expenditures for operators in the industry. However, as more modules reach the end of their life and this issue likely receives more legislative attention, companies may differentiate themselves through offering product take-back and recycling services. This could increase revenues as well as result in lower long-term costs by reusing recovered materials in manufacturing processes.

https://www.sasb.org/wp-content/uploads/2018/11/Solar\_Technology\_Project\_Developers\_Standard\_2018.pdf

End-of-life (EOL): Life-cycle stage of a product when it is no longer intended for use and are destined, or intended to be destined for, dismantling, material recovery, recycling or disposal. NSF/ANSI 457 – 2019

https://globalelectronicscouncil.org/wp-content/uploads/NSF-457-2019-1.pdf

#### **TOPIC: LIFE CYCLE ASSESSMENT**

Life cycle assessment (LCA): A framework for the compilation and evaluation of the inputs, outputs, and the potential environmental impacts of a product system throughout its life cycle, from the extraction of resources and the production of raw materials, to product manufacturing, transportation / distribution, use and reuse, maintenance, and recycling and/or disposal. NSF/ANSI 457 – 2019

https://globalelectronicscouncil.org/wp-content/uploads/NSF-457-2019-1.pdf

The ISO 14040 and 14044 standards provide the framework for LCA.

Further guidance for PV electricity generation systems is provided by the International Energy Agency (IEA) - Methodology Guidelines on Life Cycle Assessment of Photovoltaic Electricity.

https://iea-pvps.org/key-topics/task-12-methodology-guidelines-on-life-cycle-assessment-of-photovoltaic-electricity-3rd-edition/life-cycle-assessment-of-photovoltaic-electricity-3rd-edition/life-cycle-assessment-of-photovoltaic-electricity-3rd-edition/life-cycle-assessment-of-photovoltaic-electricity-3rd-edition/life-cycle-assessment-of-photovoltaic-electricity-3rd-edition/life-cycle-assessment-of-photovoltaic-electricity-3rd-edition/life-cycle-assessment-of-photovoltaic-electricity-3rd-edition/life-cycle-assessment-of-photovoltaic-electricity-3rd-edition/life-cycle-assessment-of-photovoltaic-electricity-3rd-edition/life-cycle-assessment-of-photovoltaic-electricity-3rd-edition/life-cycle-assessment-of-photovoltaic-electricity-3rd-edition/life-cycle-assessment-of-photovoltaic-electricity-3rd-edition/life-cycle-assessment-of-photovoltaic-electricity-3rd-edition/life-cycle-assessment-of-photovoltaic-electricity-3rd-edition/life-cycle-assessment-of-photovoltaic-electricity-3rd-edition/life-cycle-assessment-of-photovoltaic-electricity-3rd-edition-life-cycle-assessment-of-photovoltaic-electricity-3rd-edition-life-cycle-assessment-of-photovoltaic-electricity-3rd-edition-life-cycle-assessment-of-photovoltaic-electricity-3rd-edition-life-cycle-assessment-of-photovoltaic-electricity-3rd-edition-life-cycle-assessment-of-photovoltaic-electricity-3rd-edition-life-cycle-assessment-of-photovoltaic-electricity-3rd-edition-life-cycle-assessment-of-photovoltaic-electricity-3rd-edition-life-cycle-assessment-of-photovoltaic-electricity-3rd-edition-life-cycle-assessment-of-photovoltaic-electricity-3rd-edition-life-cycle-assessment-of-photovoltaic-electricity-3rd-edition-life-cycle-assessment-of-photovoltaic-electricity-3rd-edition-life-cycle-assessment-of-photovoltaic-electricity-3rd-edition-life-cycle-assessment-of-photovoltaic-electricity-3rd-edition-life-cycle-assessment-of-photovoltaic-electricity-assessment-of-photovoltaic-electricity-assessment-of-photovoltaic-electricity-assessment-of-photovoltaic-electricity-assessment-of

#### 6. RESPONSIBLE SOURCING

#### **TOPIC: MATERIAL SOURCING**

Solar technology companies typically source numerous materials including polysilicon, metals, glass, and electrical components. Companies additionally utilize certain materials that are critical to solar panel and module manufacturing. Limited global resources of these critical materials, as well as their concentration in countries that may have relatively limited governance and regulatory structures or are subject to geopolitical tensions, expose companies to the risk of supply-chain disruptions and input-price increases or volatility. Companies can mitigate associated risks by ensuring transparency in their supply chains, working actively to source materials from reliable suppliers or regions that have minimal environmental or social risks, and supporting research for alternative inputs.

 $https://www.sasb.org/wp-content/uploads/2018/11/Solar\_Technology\_Project\_Developers\_Standard\_2018.pdf$ 

The Cobalt Reporting Template, a.k.a. the Extended Minerals Reporting Template (EMRT) is a free, standardized reporting template developed by the Responsible Minerals Initiative (RMI) of the Responsible Business Alliance to identify pinch points and collect due diligence information in the cobalt and mica supply chains.

<u>The Conflict Minerals Reporting Template</u> is a free, standardized reporting template developed by the Responsible Minerals Initiative (RMI) that facilitates the transfer of information through the supply chain regarding mineral country of origin and the smelters and refiners being utilized.

https://www.responsiblemineralsinitiative.org/reporting-templates/cmrt/

https://www.responsiblemineralsinitiative.org/reporting-templates/emrt/





## Your Partner of Choice for Solar and Storage Quality Assurance

# **END OF REPORT**



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