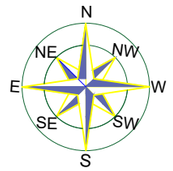
Date:20-10-2024

SOLAR PHOTOVOLTAIC PROJECT DESIGN

Project Name: Mithela Textile Industries Ltd. 106.20KWp Grid Connected Solar PV Plant.
Location: Araihazer, Narayanganj, Bangladesh.

EPC PARTNER

Eco Energy Engineering & Consultancy
H#6, R#12, Sec#11, pallabi, Mirpur Dhaka - 1216, bangladesh.
Phone Number: +8801914141413
Email: BdEcoEnergy@gmail.com
Website:www.ecoenergybd.com



Project Summary		
Project Capacity(DC)	106.20	kWp
Total Panel	180	Nos
Each Panel Capacity (Jinko 590)	590	Wp
Project Capacity (AC)	100	kW
No of inverters (SUN2000-100KTL-M2)	1	Nos

Project Data

Shed Name	Tilt	Azimuth	No. of Panel	Capacity(kWp)	Total Panel	Total Capacity	Panel Weight(34.6 KG/Panel) KG	Structure Weight (for Roof≈5KG/Panel) KG	String Configuration	No. of Inverter (SUN 2000 100KTL-M2)
Mithela Textile Industries Ltd.	7°	45°	180	106.2	180.0	106.20	6228.0	900.0	(15x12)x1	1
			180	106.2	180.0	106.2	6228.0	900.0		1

*****Note: All Drawings are conceptual, Design can be change as per discussion at the time of execution.

Site Name

Mithela Textile Industries Ltd. Grid Connected 106.20 kWp Solar PV Plant.

Title of The Drawing

Goggle Earth View with Plant LAYOUT

No.	Revision/Issue	Date
2		
1		
0		

Note

Client Name

Mithela Textile Industries Ltd.

Client Address

Araihazer, Narayanganj

Consultant & Design Firm Name:

Eco Energy Engineering & Consultancy

Designed By:	Asst. Engr. Asikur Rahaman	
Checked By:		
Approved By:		

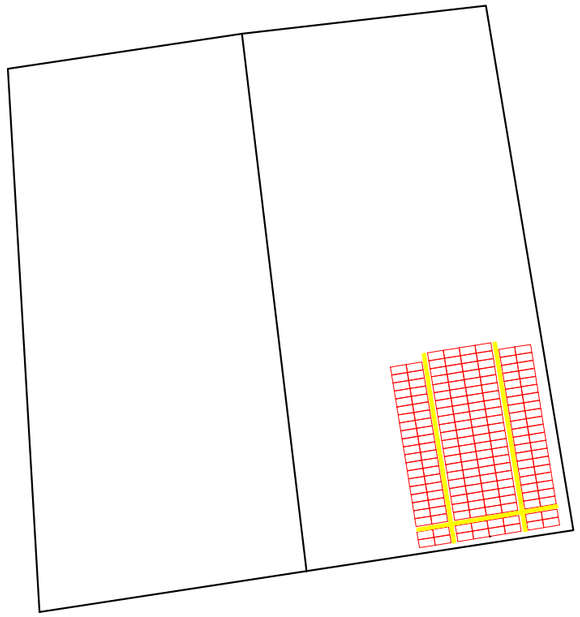
Drawn By:	Tahmid Tamzid	

Date: 20-10-2024

Dimension: mm

Scale: 1:1

PAGE NUMBER 1 of 5



Project Summary		
Project Capacity(DC)	106.20	kWp
Total Panel	180	Nos
Each Panel Capacity (Jinko 590)	590	Wp
Project Capacity (AC)	100	kW
No of inverters (SUN2000-100KTL-M2)	1	Nos

Project Data

Shed Name	Tilt	Azimuth	No. of Panel	Capacity(kWp)	Total Panel	Total Capacity	Panel Weight(32KG/Panel) KG	Structure Weight (for Roof≈5KG/Panel) KG	String Configuration	No. of Inverter (SUN 2000 100KTL-M2)
Mithela Textile Industries Ltd.	7°	45°	180	106.2	180.0	106.20	5760.0	900.0	(15x12)x1	1
			180	106.2	180.0	106.2	5760.0	900.0		1

*****Note: All Drawings are conceptual, Design can be change as per discussion at the time of execution.

Site Name

Mithela Textile Industries Ltd. Grid Connected 106.20 kWp Solar PV Plant.

Title of The Drawing

Plant LAYOUT

No.	Revision/Issue	Date
2		
1		
0		

Note

Client Name

Mithela Textile Industries Ltd.

Client Address

Araihazer, Narayanganj

Consultant & Design Firm Name:

Eco Energy Engineering & Consultancy

Designed By:	Asst. Engr. Asikur Rahaman	
Checked By:		
Approved By:		

Drawn By: Tahmid Tamzid

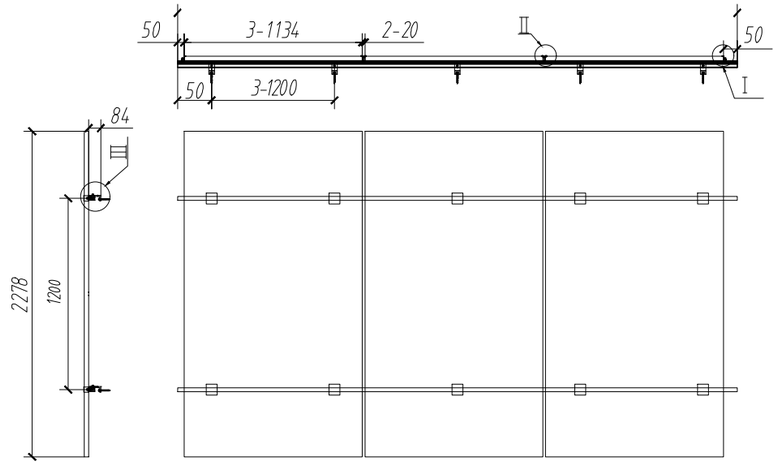
Date: 20-10-2024

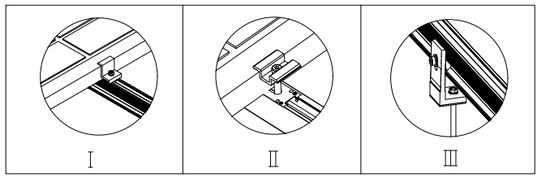
Dimension: mm

Scale: 1:1

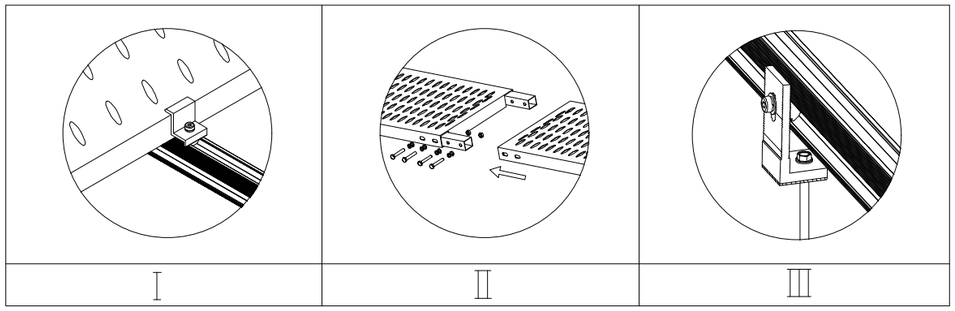
PAGE NUMBER 2 of 5

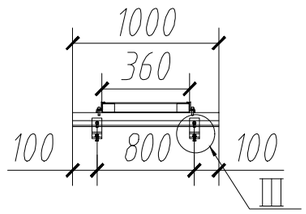
Tin Shed Mounting Structure Layout

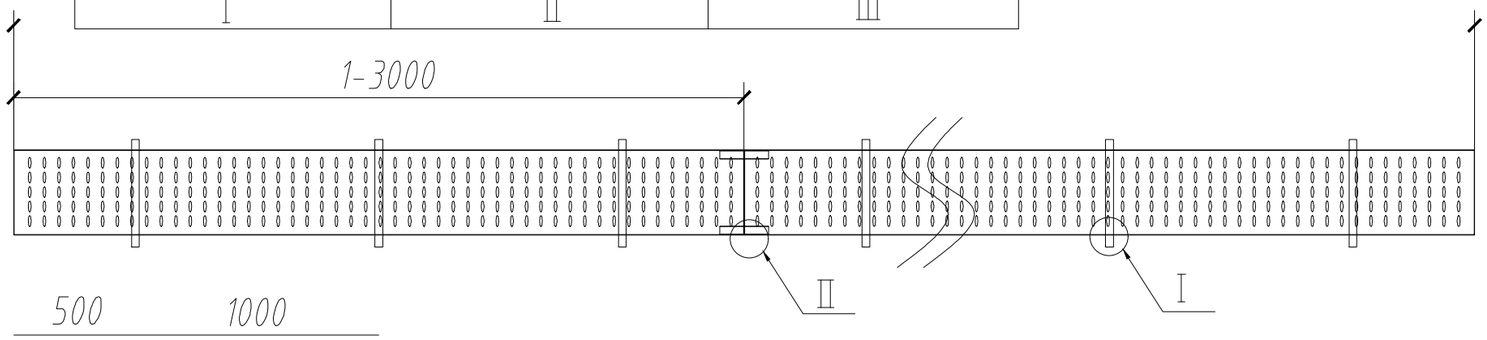




Walkway Setting Mechanism







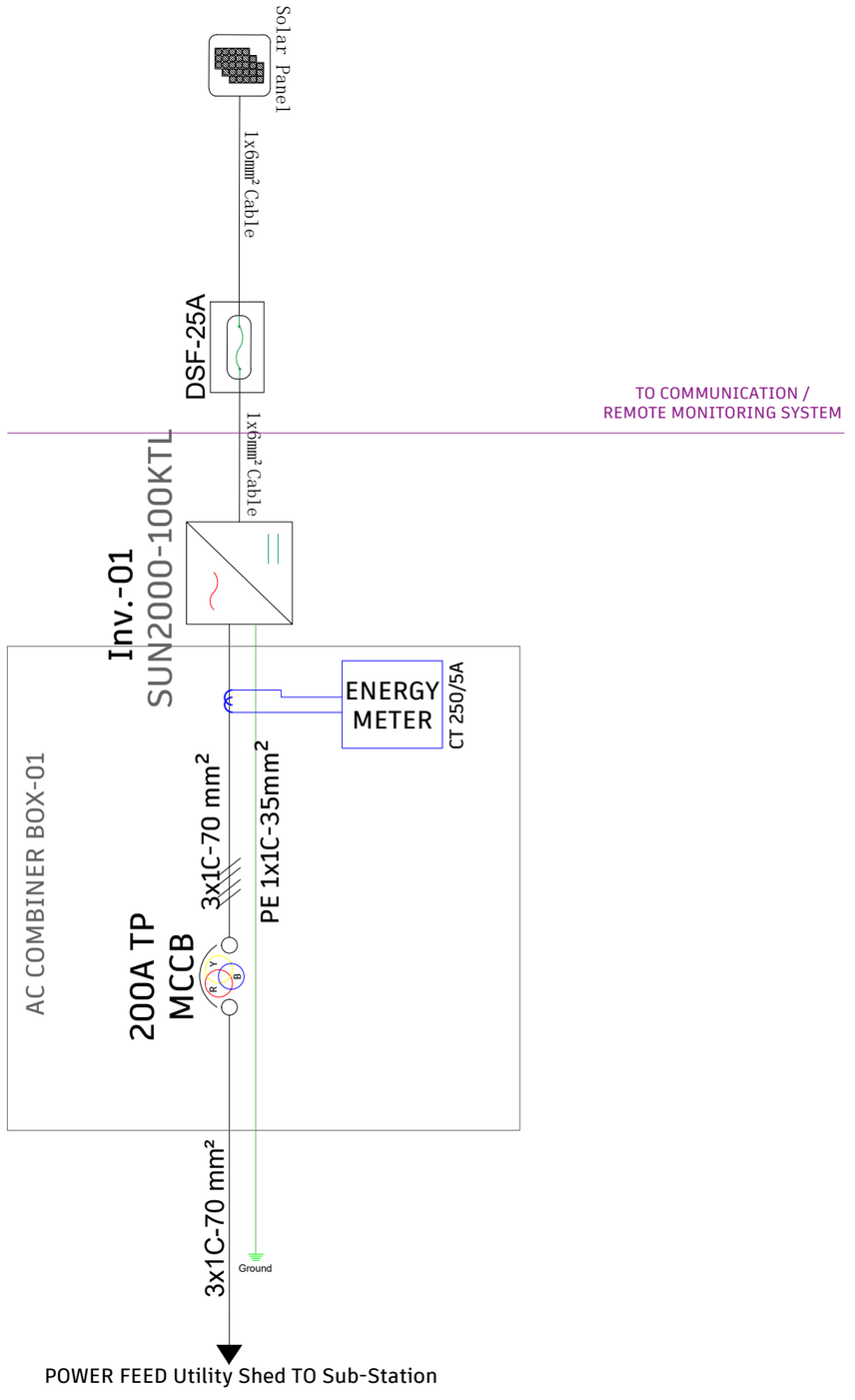
Site Name	Mithela Textile Industries Ltd. Grid Connected 106.20 kWp Solar PV Plant.
Title of The Drawing	Panel & Walkway Setting Mechanism in Tin Shed

No.	Revision/Issue	Date
2		
1		
0		

Note	
Client Name	Mithela Textile Industries Ltd.
Client Address	Araihazer, Narayanganj
Consultant & Design Firm Name:	Eco Energy Engineering & Consultancy

Designed By:	Asst. Engr. Asikur Rahaman	
Checked By:		
Approved By:		
Drawn By:	Tahmid Tamzid	
Date: 20-10-2024		

Dimension: mm	PAGE NUMBER 3 of 5
Scale: 1:1	



Site Name

Mithela Textile Industries Ltd. Grid Connected 106.20 kWp Solar PV Plant.

Title of The Drawing

Plant SLD

No.	Revision/Issue	Date
2		
1		
0		

Note

Client Name

Mithela Textile Industries Ltd.

Client Address

Araihazer, Narayanganj

Consultant & Design Firm Name:

Eco Energy Engineering & Consultancy

Designed By:	Asst. Engr. Asikur Rahaman	
Checked By:		
Approved By:		

Drawn By:	Tahmid Tamzid	
Date: 20-10-2024		

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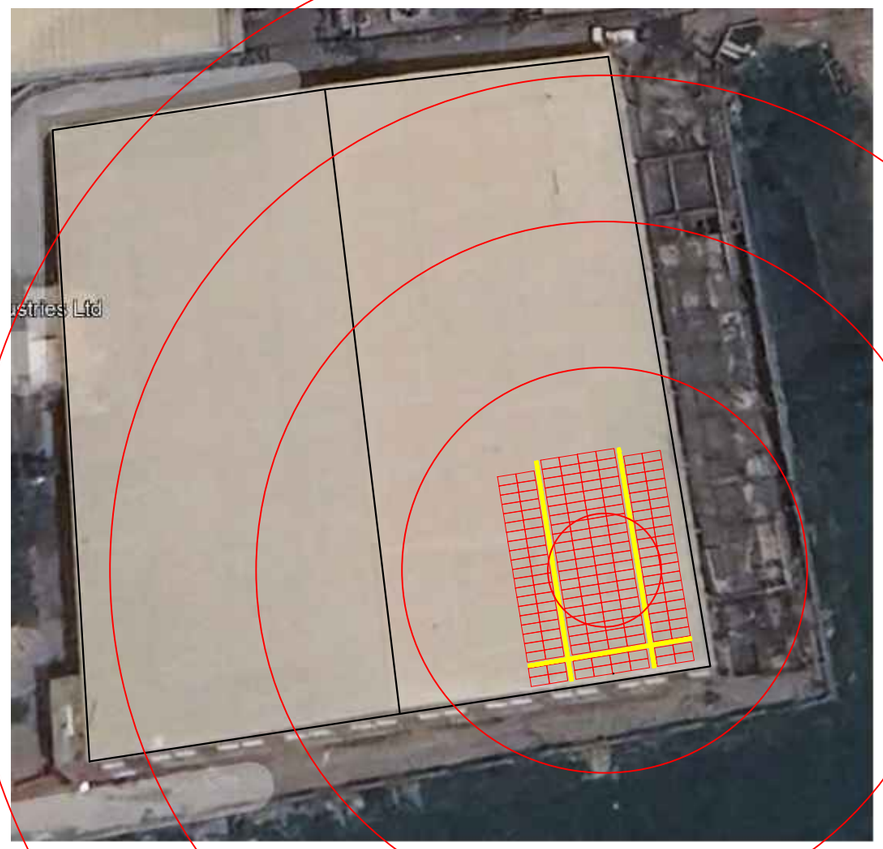

**LPS: OPR 60, ABB
COVERAGE AREA: r=79m at h=5m

Site Name
Mithela Textile Industries Ltd. Grid Connected 106.20 kWp Solar PV Plant.

Title of The Drawing
LPS System

No.	Revision/Issue	Date
2		
1		
0		

Note

Client Name
Mithela Textile Industries Ltd.

Client Address
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Consultant & Design Firm Name:
Eco Energy Engineering & Consultancy

Designed By:	Asst. Engr. Asikur Rahaman	
Checked By:		
Approved By:		

Drawn By:	Tahmid Tamzid	
Date: 20-10-2024		

Dimension: mm	PAGE NUMBER
Scale: 1:1	5 of 5