7.1.2 Institutional Facilities for Alternate Sources of Energy & Energy Conservation Measures

7.1.2 A: Promoting Alternate Energy Sources and Energy Conservation at Our Institution

Our institution is committed to embracing sustainable practices and reducing energy consumption. Through the implementation of various initiatives, we aim to harness alternate energy sources and promote energy conservation, contributing to a greener and more efficient campus.

2. Wheeling to Grid:

By contributing excess energy generated through our solar panels to the grid, we actively participate in the local energy ecosystem and promote sustainable energy practices.

Geotagged Photograph of Wheeling to Grid

Geotagged Photograph of Wheeling to Grid

Permission document for connection to the grid from Government / Electricity Board or Authority.

Permission document from the Madhya Pradesh Electricity Board (Madhya Pradesh Paschim Kshetra Vidyut Vitran Company Ltd, Indore is attached below.

OFFICE OF THE EXECUTIVE ENGINEER
CITY Dn. SOUTH M.P.P CITY Dn. SOUTH
PURANA HAT MAIDAN CHAWANI, INDORE
E-mail : eesouthindore@gmail.com, Tel : 0731-2707213
ISO 9001 : 2015 CERTIFICATE NO. 107803-A01

No. 3836 EE/CDS/Solar/ Indore/Dated. 21/12/22

To,

The Executive Engineer (STM)
O/o. SE (City Circle)
M.P.P.K.V.V.Co.Ltd. Indore

Ref.:- .:- RTP 11788

Sub:-Installation of Net Meter at the consumer's premises.

Net meter agreement with the applicant (Details mentioned below) has been finalized. You are hereby advised to install Net Meter along with MODEM at consumer's premise.

Name:- THE PRINCIPAL HOLKAR COLLEGE
Address:- HOLAR COLLEGE PARISAR BHAWARKUA MAIN ROAD INDORE
Contact No.:- 7692030040
Service No.:- N35470132834
The agreement with the said consumer is done.

Executive Engineer
City Division South
M.P.P.K.V.V.Co.Ltd. Indore

Copy to:-

1. Assistant Engineer Novlakha Zone City Dn. South M.P.P.K.V.V.C.L. Indore.

Executive Engineer
City Division South
M.P.P.K.V.V.Co.Ltd. Indore

Madhya Pradesh Paschim Kshetra Vidyut Vitran Company Ltd. Indore : Energy Bill

CIN No. U40109MP2002SGC015121 **(Wholly Owned by Govt. of M.P.)**

G.P.H. Compound, Pologround, Indore (M.P.) **Call Centre No.-1912** **http://www.mpwz.co.in**

	N3547032834	Location Code	3424507 - [URBAN]	Old Service Number	**NLZ36-11-3547032834**
e	indore south			Tariff Class	LV2.1
ber	**NLZ36 - 11 - 3547032834**			Month	OCT-2022
	OCT22N002305646	Bill Date	10-Oct-2022	Units consumed	1,771
	THE PRINCIPAL HOLKAR COLLEGE			**Bill Demand**	11994.63
	HOLKAR COLLEGE PARISAR BHAWARKUA MAIN RAOD			Total Bill Amount On Due Date (In Rs.)	**10900.00**
	INDORE			Bill Payment last Date	
Number		Mobile Number	93*****611	Via Cheque	Via Cash
ber	1	Phase Given	THREE	**22-Oct-2022**	**26-Oct-2022**
al No	GENUS3801083	Load Sanctioned	5.0 KW		
ead Date	**07-Oct-2022**	Contract Demand	0.0 KW		
Type	NORMAL	Maximum Demand	0.16		
Available?		B.P.L. Number			
Code	8022733306	D.T.R. Code	NLZ0000325		

t Reading	Previous Reading	M.F.	P.F.	Meter Consumption	Assessed Units	Total Units	GMC Units	Billed Units
11.00	6340.00	1	0.8	1771.00	0.00	1771.00	-82.00	1689.00

tion Center Navlakha Zone

Navlakha Zone

ct number For Logging Complaint

s. Chandra Shekhar Jha — Assistant Engineer

e No. 7312400254

plaint **not resolved within 7 days**

s. Dinesh Kumar Tiwari — Executive Engineer

e No. 7312707213

er reader Manoj Sharma

pply Hours (Average Daily Supply Given) — Non beneficiary

rpose School/Education — Security Amount Deposited 9500.00

l Basis Insti./Polytechnics/ITI Actual Bill — Security Amount Pending 0.00

ast Payment Detail

Bill Month	Amount Paid	CAC Number	Punch Date	Payment Date
	0			
	0			

Consumption Details Of Previous Months

Reading Month	Reading Date	Reading	Units Consumed
SEP-2022	16-Sep-2022	6340	18

Daily Average of current Bill 569.9

Daily Average Unit Consumption(Units) 84.33

Cash Adjustment Detail

	Description	Posting Month	Amount

Save Electricity

	Amount Details	Rs / Paise
Energy	Energy Charges	10978.50
	FCA Charges	236.13
Govt.	Fixed Charge	780.00
	Electricity Duty	0.00
Other Charges	Metering Charges	0.00
	ASD Instalment	0.00
	Welding/ PF Surcharge/Incentive	0.00
	Penal Charges	
	Other Charges	0.00
Govt. Subsidy	Current Month Bill	11994.63
	M.P.Govt.Subsidy Amount	0.00
	Sub Total	11994.63
Other Rebates	Interest On Security Deposit (-)	26.54
	CCB Adjustment	0.00
	Other Rebates (-)	0.00
	Employee Rebate (-)	0.00
	Lock Credit / Load Factor Rebate (-) (0.00)	0.00
	Previous Month Delayed payment Surcharge	0.00
Current Payable Amount		11968.00
Old Dues / Arrear		-1068.0
Amount recieved		0.00
Total Amount Payable On Due Date		10900.00
Due Date Late Payment Surcharge		136.00
Total Amount Payable After Due Date		11036.00
Don't Wait for Last Date		

Executive Engineer

Billing System: NGB Report 1.1.0 | Mon Oct 31 21:23:50 IST 2022 | v10

Sealed Payable Amount Receipt

Important Notice

Tariff Category : LV2

Collections through ATP/ KIOSK / Departmental Collection Center is also started at Navlakha Zone

** Customer Care No. : 1912

Madhya Pradesh Paschim Kshetra Vidyut Vitran Company Ltd. Indore :Electricity Bill:Page

indore south

Bill Month	OCT-2022	Bill Number	OCT22N002305646
IVRS	**N3547032834**		
Service Number	**NLZ36 - 11 - 3547032834**		
Customer's Name	THE PRINCIPAL HOLKAR COLLEGE		

Bill Payment last Date

Via Cheque	Via Cash
22-Oct-2022	26-Oct-2022

Total Bill Amount On Due Date **10900.00**

Total Amount Payable After Due Date **11036.00**

Sealed Payable Amount Receipt

M.P. Pashchim Kshetra Vidyut Vitaran Co. Ltd
(A Government of Madhya Pradesh Enterprise)

CIN No. U40109MP20028GC015121

Payment Receipt / Acknowledgment

M.P. PASHCHIM KSHETRA VIDYUT VITARAN CO. LTD.
(A GOVERNMENT OF MADHYA PRADESH ENTERPRISE)
GPH COMPOUND, POLOGROUND, INDORE

CIN No.U40109MP20028GC015121

PROJECT WIN

Payment Receipt / Acknowledgment

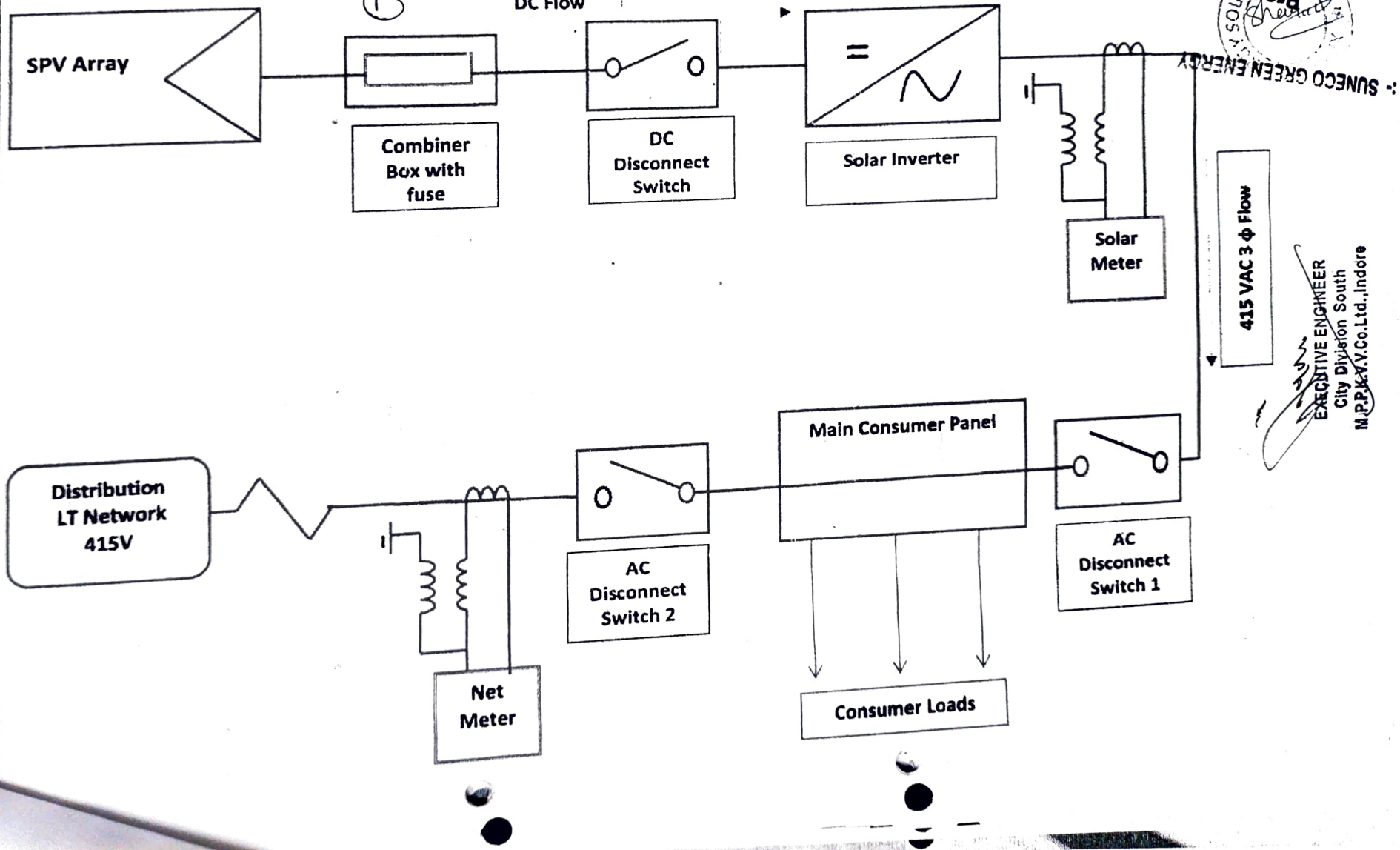
Name of Applicant	THE PRINCIPAL HOLKAR COLLEGE	**Application ID**	RTP11788
Payment For	Registration Fees	**Payment Gateway Transaction ID**	22103108343976213630
Payment Gateway Channel ID	CITIZEN	**Date Of Payment**	10/31/2022 9:34:31 PM
Application For	Roof Top Panel Installation Application		

Payment Details

Registration Fees(पंजीकरण शुल्क)	₹ 1000.0
Total Amount Paid	₹ 1000

Print Receipt

SLD FOR GRID TIED ROOFTOP SPV SYSTEM (WITHOUT STORAGE) OF CAPACITY 3 KW TO 112 KW – 415 V THREE PHASE LT CONNECTION



For :- SUNECO GREEN ENERGY
Proprietor

EXECUTIVE ENGINEER
City Division South
M.P.P.K.V.V.Co.Ltd.,Indore

1169

OFFICE OF THE ASSISTANT ENGINEER (R.M.T.L) M.T. DN.-I

M.P.P.K.V.V.CO.LTD.INDORE

CERTIFICATE FOR A.C. SINGLE/THREE PHASE METER

of consumer	THE PRINCIPAL HOLKAR COLLEGE	
ress	HOLKAR COLLEGE PARISER INDORE	
eter Make	SECURE	
Meter Sr. No.	SS21327093	
Meter Capacity	3X10-60Amp	
Testing Fees Rs.	1680/-	
M.R. No & Date	Online Transation no 22111934353499609797 Dt 19/11/22,	
Ref.	RTP-11788	
Date of Testing	25/11/22	
Starting Reading	1.1896	
Final Reading	I-3.1930	E-2.1535
Difference	2.0034	
Starting Current Test	ok	
Creep Test	ok	
Dial Test	ok	
Remar		

NET METER

~~SOLAR METER~~

Assistant Engineer
AE (RMTL)
M.P.P.K.V.V.CO. LTD
INDORE

R.M.T.L
M.P.P.K.V.V.C.L., Indore

Registration and Stamp Department
Madhya Pradesh

Certificate of Stamp Duty

E-Stamp Details

Stamp Code	0101172511202200239O		
Total E-Stamp Amount	500		
Govt. Stamp Duty (Rs.)	500	Municipality Duty (Rs.)	0
Janpad Duty (Rs.)	0	Upkar Amount (Rs.)	0
Exempted Amount(Rs.)	0		
E-Stamp Type	NON-JUDICIAL		
Issue Date & Time	25/11/2022 12:08:46		
Service Provider or Issuer Details	Neha Shukla/SP011743032017000S5		
SP/SRO/DRO/HO Details	04 Laxmipuri Colony indore INDORE INDORE		

Deed Details

Deed Type	Agreement or Memorandum of an agreement
Deed Instrument	If not otherwise provided for- Five hundred rupees.
Purpose	FOR ELECTRICITY CONNECTION

First Party Details

Name	SURESH T SILAWAT S/O D/O W/O C/O THAKURDIN SILAWAT
Address	HOUSE 15 A H SAMATH COLONY KESAR BAGH ROAD NEAR BIJALPUR CHOURAHA RAJENDRA NAGAR INDORE Madhya Pradesh INDIA
Number of Persons	1

Second Party Details

Organization Name	MPPKVVCL
Address	INDORE INDORE Madhya Pradesh INDIA
Number of Persons	1

AGREEMENT

Digitally signed by NEHA SHUKLA
Date: 2022.11.25 12:08:50 IST

Net Metering Inter Connection Agreement

1. This Agreement is made and entered into at Indore on this 21 day of 12 year 2022 2021 between the "Eligible Consumer', by the name of Mrs./ Mr. THE PRINCIPAL having premises at HOLKAR COLLEGE BHANWAR KUA as first party AND Distribution Licensee Madhya Pradesh PaschimkshetraVidyutVitran Company (here in after called as Discom) and represented by Executive Engineer (Designation of office) and having its registered office at (address) North City Indore as second party of the agreement.

And whereas, the Discom agrees to provide grid connectivity to the Eligible Consumer for injection of Electricity generated from his renewable energy plan to capacity 5 kW Kilowatt sin to the power system of Discom, as per conditions of this agreement, and MPERC (Net Metering) Regulations, 2015 issued by Madhya Pradesh Electricity Regulatory Commission, and Madhya Pradesh Policy Decentralized Renewable Energy Systems, 2016. Both the parties hereby agree to as follows:

2. **Technical and Interconnection Requirements**

2.1 The Eligible Consumer agrees that his renewable energy generation plant and net metering system will conform to the standards and requirements specified in MPERC(Net Metering) Regulations, 2015 and Madhya Pradesh Policy for Decentralized Renewable Energy Systems, 2016, al also the following Regulations and codes, as amended from time to time :-

1. CEA's (Technical Standards for connectivity of the Distributed Generating Resources) Regulations, 2013

2. Central Electricity Authority (Installation and Operation of Meters) Regulations, 2006

3. Central Electricity Authority (Measures relating to safety and electric supply) Regulations, 2010,

4. MPERC Supply Code Regulations, 2007

-----2

2.2 Eligible Consumer agrees that he has installed or will install. prior to connection of Renewable Enenty system to Discom's distribution system, an Isolation device (both automatic and inbuilt within inverter and extemal manual relays) and agrees for the Discom to have access to the renewable energy system, if required for repair & maintenance of the distribution system.

23 Eligible Consumer agrees that in case of a power outage on Discom's system. Renewable Energy system will disconnect isolate automatically and his plant will not inject power into Licensee'sdistribution system

2.4 All the equipment connected to distribution system shall be compliant with relevant International FEE/EC) or Indian standards (BIS) and installations of electrical equipment must comply with Central Electricity Authority (Measures of Safety and Electricity Supply) Regulations, 2010.

2.5 Eligible Consumer agrees that licensee will specify the interface/interconnection point and metering point.

2.6 Eligible Consumer and licensee agree to comply with the relevant CEA regulations and MPERC (Metering) Regulations, 2007 in respect of operation and maintenance of the plant, drawing and diagrams, site responsibility schedule, harmonies, synchronization, voltage, frequency, flicker, etc.

2.7 Due to Discom's obligation to maintain a safe and reliable distribution system. Eligible Consumer agrees that, if it is determined by the Discom that Eligible Consumer's Renewable Energy system either causes damage to and/or produces adverse effects affecting other consumers or Discom's assets, Eligible Consumer will have to disconnect Renewable Energy system immediately from the distribution system upon direction from the Discom and correct the problem at his own expense prior to a reconnection.

2.8 The consumer shall be solely responsible for any accident to human being animals whatsoever (fatal/non-fatal/departmental/non-departmental) that may occur due to back feeding from the SPG plant when the grid supply is off. The distribution licensee reserves the right to disconnect the consumer's installation at any time in the event of such exigencies to prevent accident or damage to man and material.

-----3

3. Clearances and Approvals

3.1 The Eligible Consumer shall obtain all the statutory & necessary approvals and clearances are for connecting the Renewable Energy system to the distribution system.

4. Access and Disconnection

4.1 Discom shall have access to metering equipment and disconnecting means of the renewable energy system, both automatic and manual, at all times,

4.2 In emergency or outage situation, where there is no access to the disconnecting means, both automatic and manual, such as a switch or breaker, Discom may disconnect service to the premises of the Eligible Consumer.

5. Liabilities

5.1 Eligible Consumer and Discom shall indemnify each other for damages or adverse effects from either party's negligence or intentional misconduct in the connection and operation of Renewable Energy system or Discom's distribution system.

5.2 Discom and Eligible Consumer shall not be liable to each other for any loss of profits or revenues, business interruption losses, loss of contract or loss of goodwill, or for indirect, consequential, incidental or special damages, including, but not limited to, punitive or exemplary damages, whether any of the said liability, loss or damages arise in contract, or otherwise.

5.3 Discom shall not be liable for delivery or realization by Eligible Consumer for any fiscal or other incentive provided by the Central/State Government beyond the scope specified by the Commission in its relevant Order

5.4 The Discom may consider the quantum of electricity generation produced in the renewable energy system under net metering arrangement towards RPO (Applicable only in case of Eligible Consumer who is not defined as an Obligated Entity).

-----4

5.5 The proceeds from CDM benefits shall be retained by the Discom.

6. **Commercial Settlement**

6.1 All the commercial settlement under this agreement shall follow the Net Metering Regulations, 2015 issued by MPERC

6.2 If there is surplus power generated after fulfilling captive consumption requirement at the end of the settlement period, the surplus power shall be compensated as per MPERC Net Metering Regulations, 2015 and amendments thereof. The unadjusted net credited units of electricity, at the end of each settlement period, shall be purchased by the Distribution Licensee at its Average Pooled Cost of Power Purchase, as approved by the Commission for that year. The Distribution Licensee shall provide credit equivalent to the amount payable in the immediately succeeding Billing Cycle, and, if any credit still remains, then in the following Billing Cycle(s).

7. **Connection Costs**

7.1 The Eligible Consumer shall be a rall costs related to setting up of renewable energy system including meter in gand inter connection costs. The Eligible Consumer agrees to pay the actual cost of modifications and upgrades to the service line required to connect Renewable Energy system to the grid in case it is required

8. **Termination**

8.1 The Eligible Consumer can terminate agreement at any time by providing Discom with 90 days priornotice.

8.2 Discom has the right to terminate Agreement on 30 days prior written notice, if Eligible Consumer commits breach of any of the terms of this Agreement or MIPERC (Net Metering) Regulations, 2015 issued by the Madhya Pradesh Electricity Regulatory Commission or Madhya Pradesh Policy for Decentralized Renewable Energy Systems, 2016 and does not remedy the breach within 30 days of receiving written notice from Discom of the breach.

Eligible Consumer shall upon termination of this disconnect the Renewable stem from Discom's distribution system in a timely manner and to Discom's tisfaction.

In witness, whereof, Mr./Mrs/Ms. Shailendra Singhal and on behalf of Mr./Ms. SURESH T. SOLANKI and on behalf of ----MPPKVVCL---- ----------(Discom) sign this agreement in two Original in two Original.

Eligible Consumer	Madhya Pradesh Pashchkshetra Vidyutcompan
THE PRINCIPAL	
Name: SURESH T. SOLANKI.	Name: ----------
Address: BHILKAR COLLAGE	Designation ----------
Signature ----------	Signature ----------
Witness 1 ----------	Witness 2 ----------

For :- SUNECO GREEN ENERGY
Proprietor

ASSISTANT ENGINEER
Rajlakha Zone, City Dn. South
M.P.P.K.V.V. Co. Ltd., Indore

J. Details of the Caution signage: No

K. Provision of manual and automatic switches : Manual

L. G.P.S. Co-ordinates of the Renewable Energy System Installation

(i) Latitude ; (ii) Longitude ;

M. Whether Operation and Maintenance Manual provided to the consumer:

Yes

Certified that the above said renewable energy system was installed and the equipment used comply with the Technical and Safety standards as specified by the Discom under net metering program.

Signature of the Applicant

PLS GREEN POWER

Name and Signature of the System Installer For :- SUNECO GREEN ENERGY

Name and Address with Seal

Name: The principal Holkar college

Holkar college Bhawarkua, Indore

Date:

Name of the firm and address: Proprietor

Date:

Enclosures:

1. Test report of net meter tested at the laboratory of the Discom.
2. Copy of the IEC/IS Test certificates of PV modules, Inverter etc.
3. Data sheets/Drawing for the array mounting System.
4. Actual Single line wiring diagram (SLD) of the SPV System.
5. Copy of Maintenance & Operation information manual provided by the System Installer
6. Copy of Interconnection Agreement on non-judicial stamp paper of Rs.500/-plus Rs 1 revenue stamp affixed on stamp paper with Discom.

Madhya Pradesh Paschim Kshetra Vidyut Vitran Company Ltd.

Money Receipt

MR No.	D2DMR7564	MR Date	11-Jan-23
Payment For	SOLAR METER CONNECTION	Name Of Consumer	BRIG. M.B. SINGH
Total Amount	9076	MR Entry By Office	3424623
Remark	BURNT METER A/C 3623011601		

Sr. No.	Account Code	Account Description	Item Head	Amount
1	551100	Recovery of cost of Burnt Meter.	Recovery of cost of Burnt Meter.	9076

KAR 77
11/01/23

Authorised Signatory
(3424623)

Print Receipt

OFFICE OF THE EXECUTIVE ENGINEER
CITY Dn. SOUTH M.P.P CITY Dn. SOUTH
PURANA HAT MAIDAN CHAWANI, INDORE
E-mail : eesouthindore@gmail.com, Tel : 0731-2707213
ISO 9001 : 2015 CERTIFICATE NO. 107803-A01

*No./*3837*EE/CDS/Solar/* *Indore/Dated.* 21/12/22

To,

INDIAN COFFY HOUSE

The Executive Engineer (STM)
O/o. SE (City Circle)
M.P.P.K.V.V.Co.Ltd. Indore

Ref.:- .:- RTP 11789

Sub:-Installation of Net Meter at the consumer's premises.

Net meter agreement with the applicant (Details mentioned below) has been finalized. You are hereby advised to install Net Meter along with MODEM at consumer's premise.

Name:- THE PRINCIPAL HOLKAR COLLEGE

Address:- HOLAR COLLEGE PARISAR BHAWARKUA MAIN ROAD INDORE

Contact No.:- 7692030040

Service No.:- N3547032833

The agreement with the said consumer is done.

Executive Engineer
City Division South
M.P.P.K.V.V.Co.Ltd. Indore

Copy to:-

1. *Assistant Engineer Novlakha Zone City Dn. South M.P.P.K.V.V.C.L. Indore.*

sd
Executive Engineer
City Division South
M.P.P.K.V.V.Co.Ltd. Indore

Documents Required for Project sanction under MPPKVVCL

Name of Vendor: -

MPPKVVCL LOA No.-

Name of beneficiary - Capacity: -

Address of beneficiary-

Sanction Letter No.-

S. No.	Documents	Yes / NO	Page No.
1.	Copy of Electricity Bill	Yes	
2.	Copy of Aadhar card	Yes	
3.	Copy of Application details	Yes	
4.	Copy of Sanctioned letter by DISCOM	Yes	
5.	SLD	Yes	
6.	Net metering agreement	Yes	
7.	Work Completion report	Yes	
8.	Invoices	Yes	
9.	Data / Specs Sheet of Module & Inverter	Yes	
10.	IEC Certificates of Module & Inverter	Yes	
11.	DCR Certificate of Panel with warranty	Yes	
12.	Warranty certificate of Inverter	Yes	
13.	Coloured Site photographs with beneficiary, date, time & GPS	Yes	
14.	Sealing / testing certificate of Net meter	Yes	
15.	Installation Certificate	Yes	
16.	Joint Inspection Report	Yes	
17.	Undertaking	Yes	
18.	Subsidy Claim letter	Yes	
19.	Copy of agreement for maintenance (CMC)	Yes	

adhya Pradesh Paschim Kshetra Vidyut Vitran Company Ltd. Indore : Energy Bill

CIN No. U40109MP2002SGC015121 (Wholly Owned by Govt. of M.P.)

G.P.H. Compound, Pologround, Indore (M.P.) Call Centre No.-1912 http://www.mpwz.co.in

	N3547032833	Location Code	3424507 - [URBAN]
sion Name	indore south		
S ice Number	NLZ36 - 11 - 3547032833		
Bill Number	NOV22N002262743	Bill Date	11-Nov-2022
Mr. / Ms.	THE PRINCIPAL HOLKAR COLLEGE		
Address	HOLKER COLLEGE PARISAR BHAWARKUA MAIN RAOD INDORE		
Employee Number		Mobile Number	93*****611
Pole Number	1	Phase Given	THREE
Meter Serial No	GENUS3806107	Load Sanctioned	5.0 KW
Current Read Date	07-Nov-2022	Contract Demand	0.0 KW
Reading Type	NORMAL	Maximum Demand	14.92
Aadhaar Available?		B.P.L. Number	
Feeder Code	8022733306	D.T.R. Code	NLZ0000184

Old Service Number	NLZ36-11-3547032833
Tariff Class	LV2.1
Month	NOV-2022
Units consumed	1,814
Bill Demand	15241.67
Total Bill Amount On Due Date (In Rs.)	63868.00
Bill Payment last Date	
Via Cheque	Via Cash
23-Nov-2022	26-Nov-2022

Save Electricity

Current Reading	Previous Reading	M.F.	P.F.	Meter Consumption	Assessed Units
50155.00	48341.00	1	0.94	1814.00	0.00

Total Units	GMC Units	Billed Units
1814.00	0.00	1814.00

Distribution Center Navlakha Zone

Navlakha Zone

Contact number For Logging Complaint

Mr./Ms. Chandra Shekhar Jha — Assistant Engineer

Phone No. 7312400254

Complaint not resolved within 7 days

Mr./Ms. Dinesh Kumar Tiwari — Executive Engineer

Phone No. 7312707213

Meter reader sunil parmar

Supply Hours (Average Daily Supply Given) Non beneficiary

Purpose School/Education

Bill Basis Insti./Polytechnics/ITI Actual Bill

Security Amount Deposited 9500.00

Security Amount Pending 0.00

Last Payment Detail

Bill Month	Amount Paid	CAC Number	Punch Date	Payment Date
	0			
	0			

Consumption Details Of Previous Months

Reading Month	Reading Date	Reading	Units Consumed
OCT-2022	07-Oct-2022	48341	1430
SEP-2022	14-Sep-2022	46911	5018

Daily Average of current Bill 490.52

Daily Average Unit Consumption(Units) 58.52

Cash Adjustment Detail

le	Description	Posting Month	Amount

	Amount Details	Rs / Paise
Energy	Energy Charges	11791.00
	FCA Charges	362.80
	Fixed Charge	3634.80
Govt.	Electricity Duty	0.00
Other Charges	Metering Charges	0.00
	ASD Instalment	0.00
	Welding/ PF Surcharge/Incentive	-546.93
	Penal Charges	
	Other Charges	0.00
Govt. Subsidy	Current Month Bill	15241.67
	M.P.Govt.Subsidy Amount	0.00
	Sub Total	15241.67
Other Rebates	Interest On Security Deposit (-)	35.39
	CCB Adjustment	0.00
	Other Rebates (-)	0.00
	Employee Rebate (-)	0.00
	Lock Credit / Load Factor Rebate (-) (0.00)	0.00
	Previous Month Delayed payment Surcharge	601.00
Current Payable Amount		15807.00
Old Dues / Arrear		48061.0
Amount recieved		0.00
Total Amount Payable On Due Date		63868.00
Due Date Late Payment Surcharge		798.00
Total Amount Payable After Due Date		64666.00

Don't Wait for Last Date

Executive Engineer

Billing System: NGB Report 1.1.0 | Sun Nov 13 15:35:25 IST 2022 | v10

Sealed Payable Amount Receipt

Important Notice

Tariff Category : LV2

Collections through ATP/ KIOSK / Departmental Collection Center is also started at Navlakha Zone

** Customer Care No. : 1912

Madhya Pradesh Paschim Kshetra Vidyut Vitran Company Ltd. Indore :Electricity Bill.Page

indore south

Bill Month	NOV-2022	Bill Number	NOV22N002262743
IVRS	N3547032833		
Service Number	NLZ36 - 11 - 3547032833		
Customer's Name	THE PRINCIPAL HOLKAR COLLEGE		

Bill Payment last Date

Via Cheque	Via Cash
23-Nov-2022	26-Nov-2022

Total Bill Amount On Due Date 63868.00

Total Amount Payable After Due Date 64666.00

Sealed Payable Amount Receipt

M.P. Pashchim Kshetra Vidyut Vitaran Co. Ltd
(A Government of Madhya Pradesh Enterprise)

CIN No. U40109MP20028GC015121

Payment Receipt / Acknowledgment

M.P. PASHCHIM KSHETRA VIDYUT VITARAN CO. LTD.
(A GOVERNMENT OF MADHYA PRADESH ENTERPRISE)
GPH COMPOUND, POLOGROUND, INDORE

CIN No U40109MP20028GC015121

PROJECT WIN

Payment Receipt / Acknowledgment

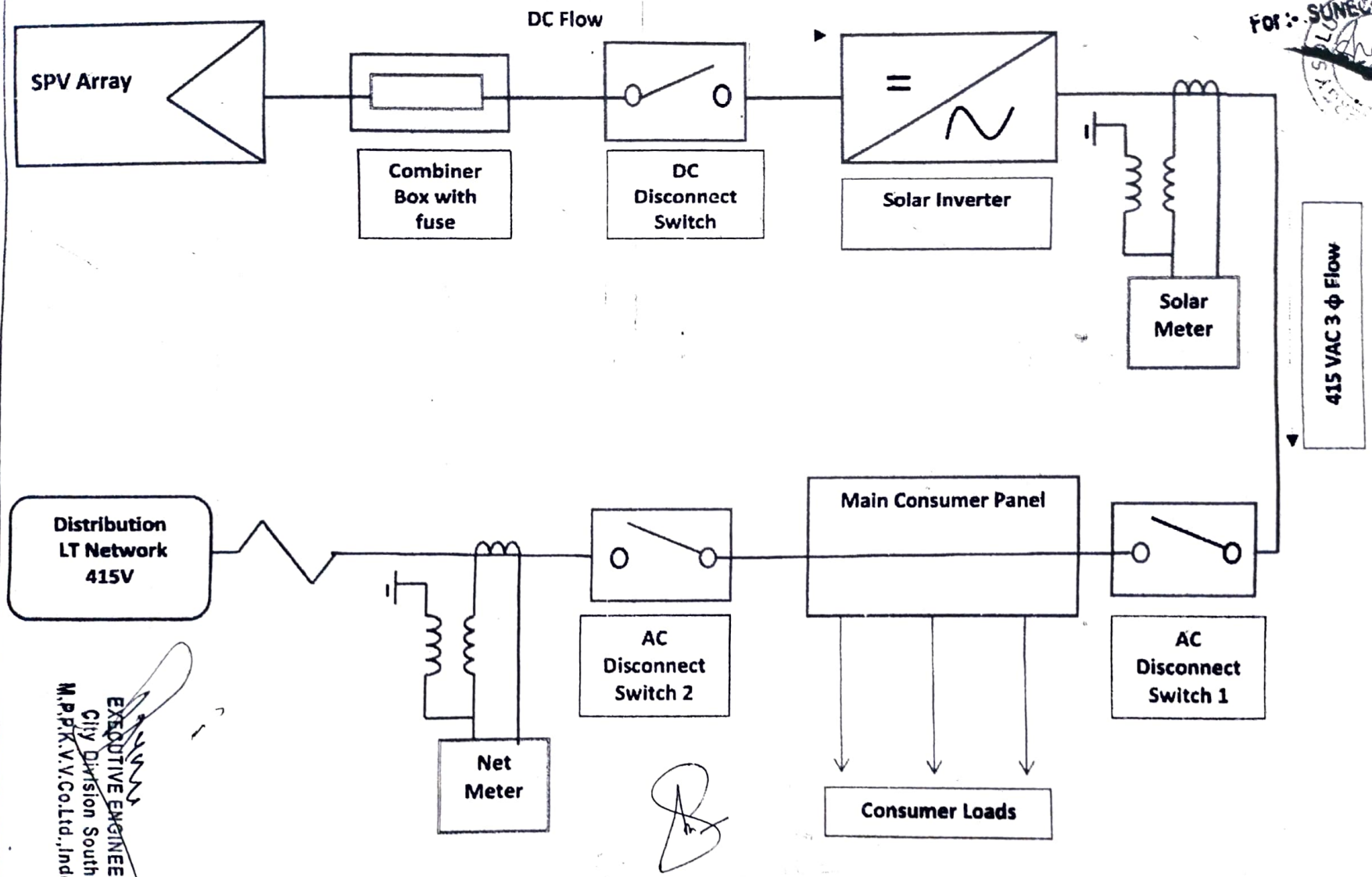
Name of Applicant	THE PRINCIPAL HOLKAR COLLEGE	**Application ID**	RTP11789
Payment For	Registration Fees	**Payment Gateway Transaction ID**	22103130877671343846
Payment Gateway Channel ID	CITIZEN	**Date Of Payment**	10/31/2022 9:45:51 PM
Application For	Roof Top Panel Installation Application		

Payment Details

Registration Fees(पंजीकरण शुल्क)	₹ 1000.0
Total Amount Paid	₹ 1000

Print Receipt

SLD FOR GRID TIED ROOFTOP SPV SYSTEM (WITHOUT STORAGE) OF CAPACITY 3 KW TO 112 KW – 415 V THREE PHASE LT CONNECTIO



For :- SUNECO GR

Proprie

EXECUTIVE ENGINEER
City Division South
M.P.P.K.V.V.Co.Ltd.,Indore

M.P. PASHCHIM KSHETRA VIDYUT VITARAN CO. LTD.

(A GOVERNMENT OF MADHYA PRADESH ENTERPRISE)

GPH COMPOUND, POLOGROUND, INDORE

CIN No. U40109MP2013SGC031221

740

24/11/22

Date : 10/31/2022 9:45:51 PM

With respect to the Application for Net Metering and Grid Connectivity of Grid Connected renewable energy System

Consumer Approval Letter

To, M/S / Mr. / Ms. THE PRINCIPAL HOLKAR COLLEGE

Ref. Your application No. RTP11789 dated : 10/31/2022 9:45:51 PM

Our registration No. RTP11789 dated : 10/31/2022 9:45:51 PM

With reference to your above mentioned application, approval is here with accorded for installing renewable energy system of 5 KW in your premises as per the following terms and conditions:

1. You are advised to select an empanelled system installer of your choice to install the renewable energy system. The installer should have prior experience in design, supply and installation of renewable energy system. A list of empanelled installers of grid connected PV systems by MNRE(Ministry of New and renewable Energy , government of India) / Madhya Pradesh Urjas Vikas Nigam Limited (MPUVN) is a good reference point for identifying an installer
2. You must select an inverter only from MNRE or MPUVN approved and empanelled manufacturer list. The list of approved and empanelled manufacturer is available on MNRE / MPUVN website. You must submit the copy of test certificates for having complied with relevant IEC standards of the selected model
3. [redacted] with work completion report.
   components of renewable energy system must comply with applicable IS/IEC standards. Please find attached a list of standards to be complied with
   tached with this approval letter.
4. In case of any changes required at your premises due to this proposed installation, these shall be performed by you at your own cost.
5. The grid connectivity of the system shall be in accordance with the MPERC (Net Metering Regulation 2015) as dated 14.10.2015 and any amendments thereof from time to time and shall confirm to requirements of Government of Madhya Pradesh's Policy for Net Metered Renewable Energy Application,2016.
6. Net meter shall be purchased from DISCOM / MPUVN approved vendors (as per standards of MPERC / CEA) and subsequent amendments thereof) and shall be fixed at the meter point, after getting successfully tested from Discom's or their authorized laboratory at the cost of Eligible consumer
7. The applicant shall also provide check meter when the renewable energy system capacity is higher than 250kWp
8. All the safety measures and standards of the installed system must comply with requirements as stated in MPERC/ CEA Regulations and all standards referred to in those regulations.

Please submit the following documents after installation of Renewable energy system

a. Work completion report in provided format
b. Test certificate of Net meter from Discom laboratory
c. Inspection Report by CEIG, Government of Madhya Pradesh (as notified by the state Govt.), wherever applicable, for renewable energy systems having capacity above 100kW.
d. Copy of signed Net metering Interconnection Agreement on Rs. 500/- non-judicial stamp paper with Discom

Credit of units exported will be given after finalization of agreement. This approval is valid for 180 days from the date of this letter and the renewable energy system is to be commissioned with in this period, progress of system installation shall be monitored by MPUVN authorized officer / Agency and, if adequate progress is not observed MPUVN may recommend cancellation of the approval to DISCOM. You should download the guidelines, the procedures and at tech[illegible] specifications, standards and other requirements of the solar rooftop system from mpwz.co.in (link to website of documents download)

ir[illegible]ation of MODEM is compulsory on NET meter

Indore (South)
O/o DE/EE (MPPKVVCL Indore)

To :- SE (Technical)

Indore (South)
O/o DE/EE (MPPKVVCL Indore)

1167

dhya Pradesh
Paschim Kshetra
ut Vitaran Company Ltd.

OFFICE OF THE ASSISTANT ENGINEER (R.M.T.L) M.T. DN.-I

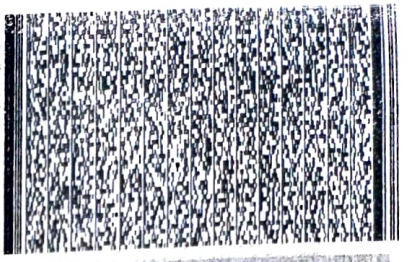
M.P.P.K.V.V.CO.LTD.INDORE

CERTIFICATE FOR A.C. SINGLE/THREE PHASE METER

ame of consumer	THE PRINCIPAL HOLKAR COLLEGE	
dress	HOLKAR COLLGE PARISAR BHAWARKUA	
eter Make	SECURE	
eter Sr. No.	SS21327096	
eter Capacity	3X10-60 Amp	
sting Fees Rs.	1680/-	
.R. N[illegible] Date	Online Transation no 22111941727793245013 Dt 19/11/22,	
f	RTP NC -11789	
te of Testing	25/11/22	
arting Reading	1.1894	
nal Reading	I-3.1928	E-2.1538
fference	2.0034	
arting Current Test	ok	NET METER
eep Test	ok	
al Test	ok	
emark		

Assistant Engineer
AE (RMTL)
M.P.P.K.V.V.CO. LTD
M.P.P.K.V.V.Co.Ltd., Indore

Registration and Stamp Department
Madhya Pradesh



Certificate of Stamp Duty

E-Stamp Details

E-Stamp Code	0101172511202200244 8
Total E-Stamp Amount	500
Govt. Stamp Duty (Rs.)	500
Janpad Duty (Rs.)	0
Exempted Amount(Rs.)	0
Municipality Duty (Rs.)	0
Upkar Amount (Rs.)	0
E-Stamp Type	NON-JUDICIAL
Issue Date & Time	25/11/2022 12:10:12
Service Provider or Issuer Details	Neha Shukla/SP011743303201700055
SP/SRO/DRO/HO Details	04 Laxmipuri Colony indore INDORE INDORE

Deed Details

Deed Type	Agreement or Memorandum of an agreement
Deed Instrument	If not otherwise provided for- Five hundred rupees.
Purpose	FOR ELECTRICITY CONNECTION

First Party Details

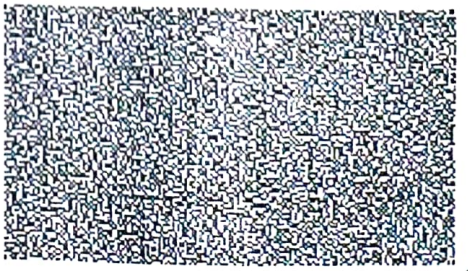
Name	SURESH T . SILAWAT S/O D/O W/O C/O THAKURDIN SILAWAT
Address	HOUSE 15 A H SAMATH COLONY KESAR BAGH ROAD NEAR BIJALPUR CHOURAHA RAJENDRA NAGAR INDORE Madhya Pradesh INDIA
Number of Persons	1

Second Party Details

Organization Name	MPPKVVCL
Address	INDORE INDORE Madhya Pradesh INDIA
Number of Persons	1

AGREEMENT

Digitally signed by NEHA SHUKLA
Date: 2022.11.25 12:10:14 IST



Net Metering Inter Connection Agreement

1. This Agreement is made and entered into at Indore on this 21 day of 12 year 2022 2021 between the "Eligible Consumer', by the name of Mrs./ Mr. THE PRINCIPAL having premises at HOLKAR COLLAGE PARTSAR BHANWAR KUA as first party AND Distribution Licensee Madhya Pradesh PaschimkshetraVidyutVitran Company (here in after called as Discom) and represented by Executive Engineer (Designation of office) and having its registered office at (address) North City Indore as second party of the agreement.

And whereas, the Discom agrees to provide grid connectivity to the Eligible Consumer for injection of Electricity generated from his renewable energy plan to capacity 5 KW Kilowatt sin to the power system of Discom, as per conditions of this agreement, and MPERC (Net Metering) Regulations, 2015 issued by Madhya Pradesh Electricity Regulatory Commission, and Madhya Pradesh Policy Decentralized Renewable Energy Systems, 2016. Both the parties hereby agree to as follows:

2. **Technical and Interconnection Requirements**

2.1 The Eligible Consumer agrees that his renewable energy generation plant and net metering system will conform to the standards and requirements specified in MPERC(Net Metering) Regulations, 2015 and Madhya Pradesh Policy for Decentralized Renewable Energy Systems, 2016, al also the following Regulations and codes, as amended from time to time :-

1. CEA's (Technical Standards for connectivity of the Distributed Generating Resources) Regulations, 2013

2. Central Electricity Authority (Installation and Operation of Meters) Regulations, 2006

3. Central Electricity Authority (Measures relating to safety and electric supply) Regulations, 2010,

4. MPERC Supply Code Regulations, 2007

-----2

2.2 Eligible Consumer agrees that he has installed or will install. prior to connection of Renewable Enenty system to Discom's distribution system, an Isolation device (both automatic and inbuilt within inverter and extemal manual relays) and agrees for the Discom to have access to the renewable energy system, if required for repair & maintenance of the distribution system.

23 Eligible Consumer agrees that in case of a power outage on Discom's system. Renewable Energy system will disconnect isolate automatically and his plant will not inject power into Licensee'sdistribution system

2.4 All the equipment connected to distribution system shall be compliant with relevant International FEE/EC) or Indian standards (BIS) and installations of electrical equipment must comply with Central Electricity Authority (Measures of Safety and Electricity Supply) Regulations, 2010.

2.5 Eligible Consumer agrees that licensee will specify the interface/interconnection point and metering point.

2.6 Eligible Consumer and licensee agree to comply with the relevant CEA regulations and MPERC (Metering) Regulations, 2007 in respect of operation and maintenance of the plant, drawing and diagrams, site responsibility schedule, harmonies, synchronization, voltage, frequency, flicker, etc.

2.7 Due to Discom's obligation to maintain a safe and reliable distribution system. Eligible Consumer agrees that, if it is determined by the Discom that Eligible Consumer's Renewable Energy system either causes damage to and/or produces adverse effects affecting other consumers or Discom's assets, Eligible Consumer will have to disconnect Renewable Energy system immediately from the distribution system upon direction from the Discom and correct the problem at his own expense prior to a reconnection.

2.8 The consumer shall be solely responsible for any accident to human being animals whatsoever (fatal/non-fatal/departmental/non-departmental) that may occur due to back feeding from the SPG plant when the grid supply is off. The distribution licensee reserves the right to disconnect the consumer's installation at any time in the event of such exigencies to prevent accident or damage to man and material.

-----3

3. **Clearances and Approvals**

3.1 The Eligible Consumer shall obtain all the statutory & necessary approvals and clearances are for connecting the Renewable Energy system to the distribution system.

4. **Access and Disconnection**

4.1 Discom shall have access to metering equipment and disconnecting means of the renewable energy system, both automatic and manual, at all times,

4.2 In emergency or outage situation, where there is no access to the disconnecting means, both automatic and manual, such as a switch or breaker, Discom may disconnect service to the premises of the Eligible Consumer.

5. **Liabilities**

5.1 Eligible Consumer and Discom shall indemnify each other for damages or adverse effects from either party's negligence or intentional misconduct in the connection and operation of Renewable Energy system or Discom's distribution system.

5.2 Discom and Eligible Consumer shall not be liable to each other for any loss of profits or revenues, business interruption losses, loss of contract or loss of goodwill, or for indirect, consequential, incidental or special damages, including, but not limited to, punitive or exemplary damages, whether any of the said liability, loss or damages arise in contract, or otherwise.

5.3 Discom shall not be liable for delivery or realization by Eligible Consumer for any fiscal or other incentive provided by the Central/State Government beyond the scope specified by the Commission in its relevant Order

5.4 The Discom may consider the quantum of electricity generation produced in the renewable energy system under net metering arrangement towards RPO (Applicable only in case of Eligible Consumer who is not defined as an Obligated Entity).

-----4

Suresh

5.5 The proceeds from CDM benefits shall be retained by the Discom.

6. **Commercial Settlement**

6.1 All the commercial settlement under this agreement shall follow the Net Metering Regulations, 2015 issued by MPERC

6.2 If there is surplus power generated after fulfilling captive consumption requirement at the end of the settlement period, the surplus power shall be compensated as per MPERC Net Metering Regulations, 2015 and amendments thereof. The unadjusted net credited units of electricity, at the end of each settlement period, shall be purchased by the Distribution Licensee at its Average Pooled Cost of Power Purchase, as approved by the Commission for that year. The Distribution Licensee shall provide credit equivalent to the amount payable in the immediately succeeding Billing Cycle, and, if any credit still remains, then in the following Billing Cycle(s).

7. **Connection Costs**

7.1 The Eligible Consumer shall be a rall costs related to setting up of renewable energy system including meter in gand inter connection costs. The Eligible Consumer agrees to pay the actual cost of modifications and upgrades to the service line required to connect Renewable Energy system to the grid in case it is required

8. **Termination**

8.1 The Eligible Consumer can terminate agreement at any time by providing Discom with 90 days priornotice.

8.2 Discom has the right to terminate Agreement on 30 days prior written notice, if Eligible Consumer commits breach of any of the terms of this Agreement or MIPERC (Net Metering) Regulations, 2015 issued by the Madhya Pradesh Electricity Regulatory Commission or Madhya Pradesh Policy for Decentralized Renewable Energy Systems, 2016 and does not remedy the breach within 30 days of receiving written notice from Discom of the breach.

-----4

8.3 Eligible Consumer shall upon termination of this disconnect the Renewable system from Discom's distribution system in a timely manner and to Discom's satisfaction.

In witness whereof, Mr./Mrs/Ms. Shailendra for and on behalf of Mr./Ms. Suresh T. Sikarwar and on behalf of ----MPPKVVCL---- ----------(Discom) sign this agreement in two Original in two Original.

Eligible Consumer

Name: THE PRINCIPAL

Address: HOLKAR COLLEGE

Signature ----------

Witness 1 ----------

Madhya Pradesh Pashchikshetra Vidyutoompan

Name: ----------

Designation ----------

Signature ----------

Witness 2 ----------

For : ECO GREEN

Proprietor

ASSISTANT ENGINEER
Zonekhe Zone, City Div. Sec.II
M.P.M.K.V.V. Co. Ltd., Indore

Annex - VI

Work Completion Report

To,

The Superintending Engineer (O & M)/ Indore
Madhya Pradesh Paschim Vidyut Vitaran Company

Sir/Madam,

Sub: Submission of work completion report (to be submitted by the applicant) for system documentation requirements.

Ref: Our Application Registration No.: **RTP**1789 DTD: 14/11/22

With reference to the above, I hereby confirm to you that we have completed the work of installation of the renewable energy system and submit the following basic information for your perusal and request you to arrange to inspect and commission the system at the earliest:

A. Details of the Solar PV module

1.	Model No.	Adani 335
2.	Name and address of manufacturer	Mundra solar, Gujrat
3.	Capacity of each Module (Wp)	WP
4.	No. of Modules	15 X 335 wp
5.	Total capacity (kWp)	5 KW
6.	Date of installation	14/11/22

B. Details of the Inverter

1.	Name and address of the inverter manufacturer	KSolare Energy Pvt. Ltd. Pune, Maharashtra
2.	Brand Name of the inverter	K-Solare
3.	Model No.	SG PRO
4.	AC capacity of individual inverter (kW)	5KW
5.	No. of inverters installed	1
6.	Total AC capacity of inverter (kW)	5KW
7.	Serial Nos.	KS40722HK1559

8.	Date of Installation	14/11/22

C. Details of the Cables: DC

1.	Make / Name of manufacturer	**Polycab**
2.	Size and Type	**4 Sqmm & Type 1**

D. Details of the AC wiring

1.	Make / Name of manufacturer	**Polycab Wire Ltd .**
2.	Size and Type	**4 Core * 10 Sqmm Au. Armoured .**

E. Details of the DC distribution box

1.	Name / Make of manufacturer	**Elmex / Make - Grasp**
2.	SI.No	**NA**
3	DC Surge Protection Device	**600 V DC SPD Make Phoenix Contact Qty 2, Type 2 Protection**
4	MCB / Isolator quantity and capacity	**Fuse Qty 2 Make Phoenix Contact**
5	Size and Type	**5-10 Kw / 2 In 2 Out Type**

F. Details of the AC distribution box

1.	Name / Make of manufacturer	**Elmex / Make - Grasp**
2.	SI.No.	**NA**
3	AC Surge Protection Device	**Singe SPD Type**
4	MCB / MCCB quantity and capacity	**MCB 4 P , 32 A Make Havells .**
5	Size and Type	**5-10 KW / 2 in 2 Out**

G. Details of Battery Bank (if applicable)

1.	Name / Make of manufacturer	**NA**
2.	Type of battery	**NA**
3	SI.No.	**NA**

4	Capacity of each cell (V/AH)	**NA**
5	Number of cells in series	**NA**
6	Number of cells in parallel	**NA**
7	Total capacity in AH	**NA**
8	Total battery bank in voltage	**NA**

H. Details of theEarthing

1	Earth resistance (shallbe less than 2 ohms)	**1.4 Ohms**
2	Size of the Earth wire / flat*	**6 Sqmm Cu Wire .**
3	Two separate Earthing points Modules & DC Surge arrester Inverter, AC Surge protection device & Lightening Arrester	**Three Earthing** **1) LA** **2) AC Connection.** **3) DC Connection.**
4	Size & Type	**1 Mtr , 17.2 mm dia Cu Bonded**

I. Details of the Net meter (please enclose the test report of the bi-directional meter tested at the laboratory of theDiscom)

1.	Make	**Secure / HPL**
2.	Serial No.	
3	Capacity	
4	Type / Model	**Net / Bidirectional meter**
5	Single Ph./Three Ph.	
6	CT Ratio	
7	Date of Test by MT, Discom	

J. Details of the Caution signage: No

K. Provision of manual and automatic switches : Manual

L. G.P.S. Co-ordinates of the Renewable Energy System Installation
(i) Latitude ; (ii) Longitude ;

M. Whether Operation and Maintenance Manual provided to the consumer:

Yes
Certified that the above said renewable energy system was installed and the equipment used comply with the Technical and Safety standards as specified by the Discom under net metering program.

Signature of the Applicant

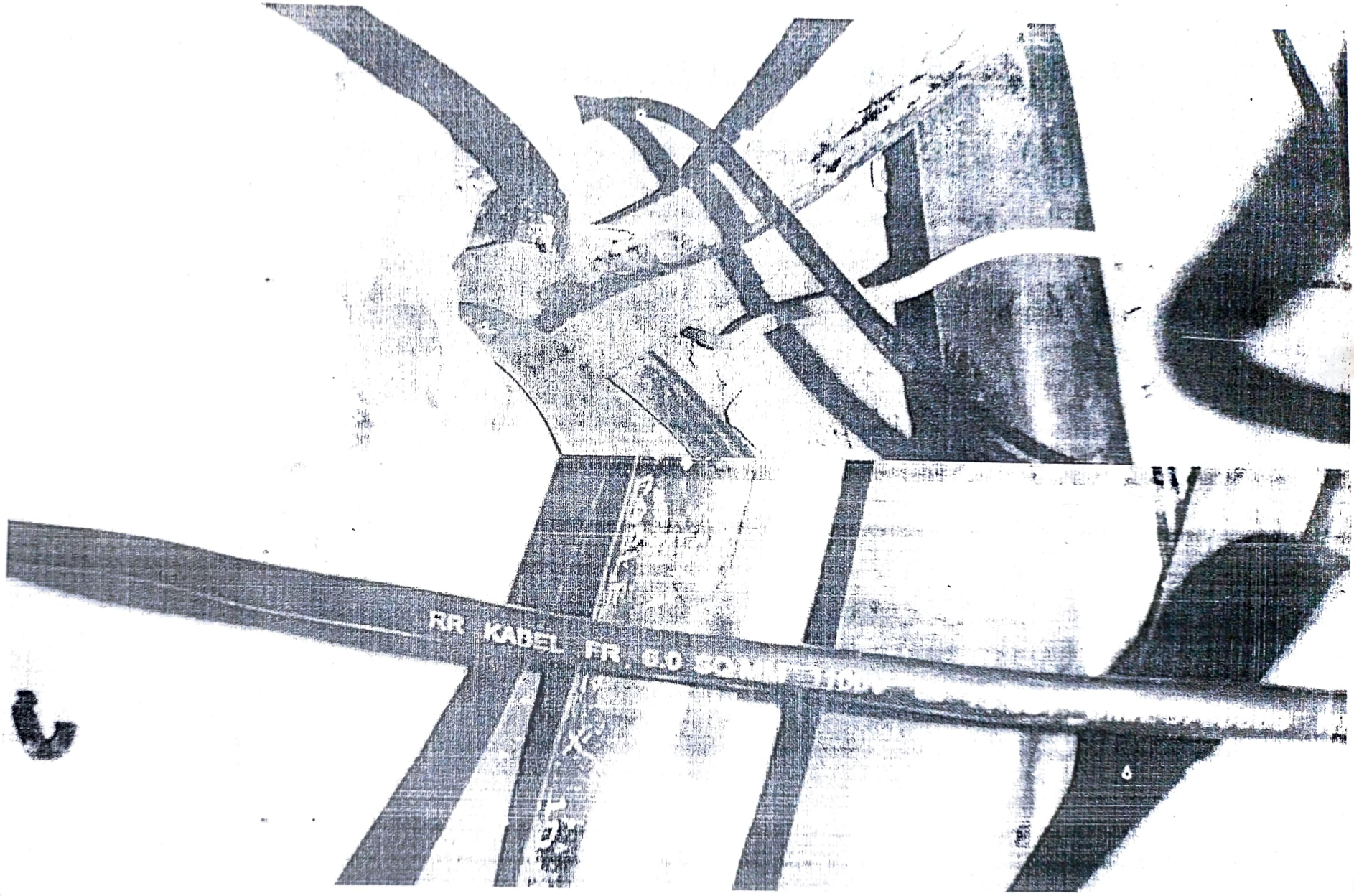
SUNECO GREEN ENERGY
Name and Signature of the System Installer :- SUNECO GREEN ENERGY

Name and Address with Seal
Name: The Principal Holkar college
Holkar college, Bhawarkua Indore
Date:

Name of the firm and address:
SUNECO GREEN ENERGY.
Date: 27/11/22

Enclosures:

1. Test report of net meter tested at the laboratory of the Discom.
2. Copy of the IEC/IS Test certificates of PV modules, Inverter etc.
3. Data sheets/Drawing for the array mounting System.
4. Actual Single line wiring diagram (SLD) of the SPV System.
5. Copy of Maintenance & Operation information manual provided by the System Installer
6. Copy of Interconnection Agreement on non-judicial stamp paper of Rs.500/-plus Rs 1 revenue stamp affixed on stamp paper with Discom.


RR KABEL FR

GSTIN : 23FKSPS7051A1

SUNECO GREEN ENERGY

593/2 ,Shiv Vihar, Near Mamaji Dhaba, A.B Road – Indore(M.P.)453-331 | Mob.; 7692030040,9907788500

We Suneco green energy installed 5kw plant in holkar collage
RTP 11788
RTP 11789
We used 6 sqmm earthing wire in this plant and we take all responsibility of this plant regarding service and all technical errors.
We will provide 5year service and maintenance as per govt. Norms
Plz prosess our file as soon as possible

LUMINOUS SOLAR adani Solar HAVELLS KIRLOSKAR SOLAR VAARE One with the Sun

GSTIN : 23FKSPS7051A1Z0

SUNECO GREEN ENERGY

SR. NO	MODULES MAKE	MODULES SERIAL NO.	CAPACITY
1.	ADANI	AS2204223B0187	335Wp
2.	ADANI	AS2204223B0188.	335Wp
3.	ADANI	AS2204223A0832	335Wp
4.	ADANI	AS2204223A0847	335Wp
5.	ADANI	AS2204223B0203	335Wp
6.	ADANI	AS2204223B0019	335Wp
7.	ADANI	AS2204223A0941	335Wp
8.	ADANI	AS2204223A0882	335Wp
9.	ADANI	AS2204223B0267	335Wp
10.	ADANI	AS2204223A0384	335Wp
11.	ADANI	AS2204223A0956	335Wp
12.	ADANI	AS1912133C0962	335Wp
13.	ADANI	AS1912143B0469	335Wp
14.	ADANI	AS2001293B0471	335Wp
15.	ADANI	AS1912143B0071	335Wp

Signature

CERTIFICATE

TÜV AUSTRIA

Management system as per
EN ISO 9001:2015

In accordance with TÜV AUSTRIA CERT procedures, it is hereby certified that

KSOLARE ENERGY PVT. LTD.

Sr. No. 62, Hissa No. 3, Mangdewadi, Pune Satara Road,
Katraj, Pune - 411046, Maharashtra, India

applies a management system in line with the above standard for the following scope

Design, Production, Sales and Service of Solar Generating System Grid Tie Inverters and its Parts

Certificate Registration No. 20100203010118

Valid until 2023-12-03
Initial certification: 2020-12-04

Certification Body
at TÜV AUSTRIA CERT GMBH

Vienna, 2020-12-04

This certification was conducted in accordance with TÜV AUSTRIA CERT auditing and certification procedures and is subject to regular surveillance audits.
TÜV AUSTRIA CERT GMBH Deutschstraße 10 A-1230 Wien www.tuv.at

Akkreditierung Austria 0943 ISO/IEC 17021-1

MEMBER OF MULTILATERAL RECOGNITION ARRANGEMENT IAF

Online Verification
www.tuv.at/certcheck

CERTIFICATE OF CONFORMITY

Certificate number **No: 2618/0359/IND-M3-E1-CER**

Holder	**KSOLARE ENERGY PVT.LTD.** 25/315, Netaji Nagar, Wanowarie, Pune-.411040, India
Trademark	Solare
Factory location	No. 26 South YongJiang Road, NingBo, China
Tested model	**KSY-6KW**
Variant models	**KSY-5KW / KSY-4KW / KSY-3.3KW / KSY-3KW / KSY-2KW / KSY-1KW**
Type of generating unit	**Utility Interactive Inverter**

Technical Data

Nominal Power [kW]	**6**	**5**	**4**	**3.6**	**3**	**2**	**1**
Nominal Voltage [V]	**230**						
Nominal Frequency [Hz]	**50**						
Firmware version	**Display software version: Ver 144** **Control software version: Ver 3109**						
Number of phases	**Single phase**						
Isolation transformer	**NO**						

This certificate of conformity confirms that one sample of the above-mentioned product is in compliance with:

- **IEC 60068-2-1:2007.** Environmental testing. Part 2-1: **Tests.** Test Ae: Cold.
- **IEC 60068-2-2:2007.** Environmental testing. Part 2-2: **Tests. Test** Be: Dry heat.
- **IEC 60068-2-14:2009.** Environmental testing. Part 2-14: **Tests.** Test Nb: Change of temperature.
- **IEC 60068-2-30:2005.** Environmental testing. Part 2-30: **Tests.** Test Db Variant 1: Damp heat, cyclic (12 h + 12 h cycle).
- **IEC 61683:1999.** Photovoltaics systems - Power conditioners - Procedure for measuring efficiency.
- **IEC 62116:2014.** Test procedure of islanding prevention measures for utility-interconnected photovoltaic inverters
- **IEC 61727:2004.** Photovoltaics (PV) systems – Characteristics of the utility interface

This certificate of conformity is based upon the test results of the test reports number below detailed and is only valid when the product is manufactured in accordance with the tested sample.

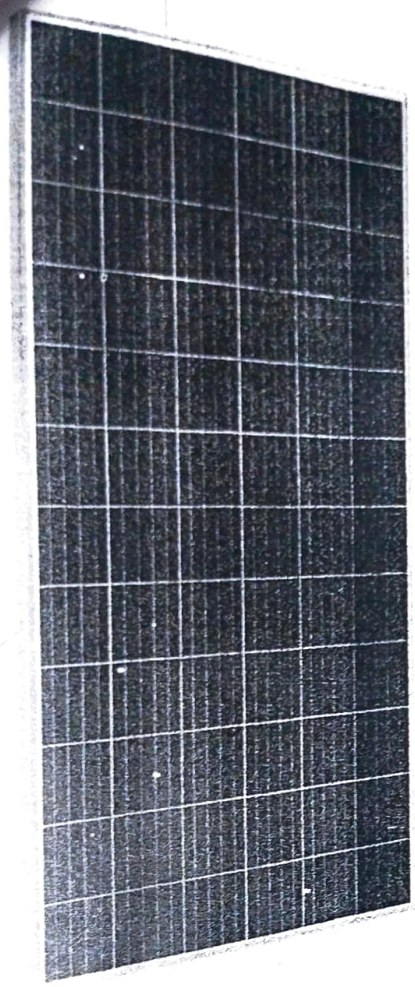
- 2218 / 0359 – A – E1 for **IEC 61727:2004**
- 2218 / 0359 – B – E1 for **IEC 62116:2014**
- 2218 / 0359 – C – E1 for **IEC 61683:1999**
- 2218 / 0359 – D – E1 for **IEC 60068-2-1:2007; IEC 60068-2-2:2007; IEC 60068-2-14:2009; IEC 60068-2-30:2005**

This certificate will expire in 5 years from the release date of these test reports, issued the 22th June of 2018.
This certificate cancels and supersedes the certificate nº 2618/0359/IND-M3-CER.

Madrid, 10th of December 2019

Daniel Arranz Muñiz
Certification Manager

RAYZON
SOLAR



Solar Modules
POLY 250W - 335W

SPARKLE

PRODUCT | KEY FEATURES

- AR Coated Tempered Glass
  Anti-Reflective Module Surface
- Excellent Module Efficiency
- Positive Power Tolerance
  Up to 5W
- Pre and Post EL Checking
  to ensure defect free modules
- Ip68 Junction Box
  for Long Term Endurance
- Ensure safety parameters
  through Safety test
- Quality and Reliability assurance
  in standard weather condition

THE INDUSTRY'S BENCHMARK

Rayzon Solar is an internationally renowned leading solar energy cost effective befitting solutions provider having core competency in high efficiency PV module manufacturing and providing wide range EPC solutions. PV modules are the best in class in terms of power output and long-term reliability.

PRODUCT CERTIFICATES

MADE IN INDIA

- 27 YEARS — Industry leading linear power output warranty*
- 10 YEARS — Product warranty on materials and workmanship

TECHNICAL DATA

PERFORMANCE UNDER STANDARD TEST CONDITIONS (STC) (Irradiance of 1000 W/m², spectrum AM 1.5 and cell temperature of 25°C.)

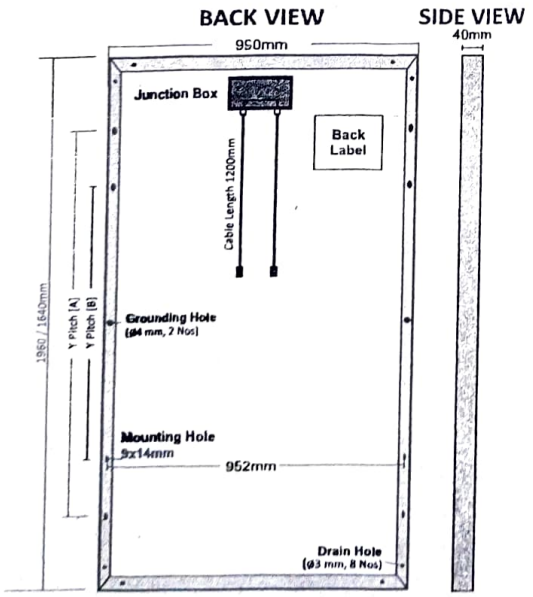
	250W	260W	265W	270W	300W	310W	315W	320W	325W	330W	335W
Nominal Maximum Power (Pmax)											
Optimum Operating Voltage (Vmp)	31.27	31.52	31.99	32.10	37.51	37.81	37.94	38.40	38.60	38.85	39.00
Optimum Operating Current (Imp)	8.00	8.25	8.29	8.43	8.00	8.20	8.31	8.35	8.43	8.50	8.60
Open Circuit Voltage (Voc)	37.50	37.74	37.86	38.7	45.00	45.29	45.36	45.50	45.64	45.79	46.15
Short Ciruit Current (Isc)	8.56	8.83	8.95	8.96	8.56	8.77	8.88	8.95	8.97	9.04	9.09
Module Eff(%)	15.4	16.0	16.3	16.6	15.5	16.0	16.2	16.5	16.7	17.0	17.26

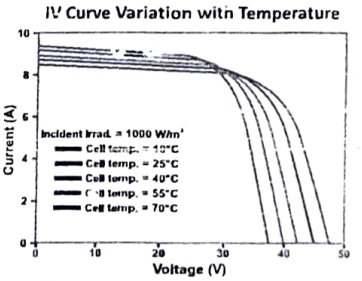
PERFORMANCE UNDER NOCT (NOCT irradiances of 800 W/m², ambient temperature of 20°C, Wind speed 1m/sec)

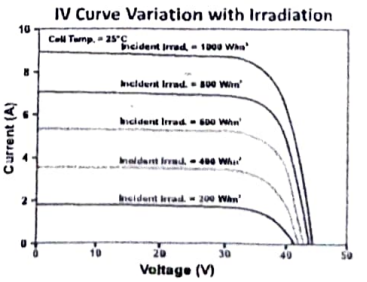
Nominal Maximum Power (Pmax)	181.48	188.73	192.36	195.99	217.77	225.03	228.66	232.29	235.92	239.55	243.18
Optimum Operating Voltage (Vmp)	28.53	28.76	29.18	29.94	34.22	34.49	34.61	35.03	35.21	35.44	35.58
Optimum Operating Current (Imp)	6.36	6.56	6.59	6.70	6.36	6.52	6.61	6.64	6.70	6.76	6.84
Open Circuit Voltage (Voc)	34.61	34.83	34.94	35.72	41.53	41.80	41.86	41.99	42.12	42.26	42.59
Short Ciruit Current (Isc)	6.87	7.08	7.18	7.19	6.87	7.03	7.12	7.18	7.19	7.25	7.29

Mechanical Specifications

Dimensions (L x W x T in mm)	1640 x 990 x 40	1960 x 990 x 40
Weight(kg)	19.2	21.48
Of Cell	60 [10x6]	72 [12x6]
Aluminum Frame [40HS]	Silver Anodized Aluminum Alloy	Silver Anodized Aluminum Alloy
Front Cover (Tempered Glass)	3.2mm	3.2mm
Encapsulate	(EVA) Ethylene Vinyl Acetate Sheet	(EVA) Ethylene Vinyl Acetate Sheet
Back Sheet	Composite Film	Composite Film
Junction Box with 3-Bypass diode	4 terminal Junction Box (IP68)	4 terminal Junction Box (IP68)
Application Class Rating	Class A	Class A
Safety Class Rating	Class II	Class II
Mechanical Load Test (as per IEC & UL)	5400 Pa-Front; 2400 Pa-Back	5400 Pa-Front; 2400 Pa-Back
Mounting Holes Pitch (Y)-mm	[A] 820	[A] 1360, [B] 980
Mounting Holes Pitch (X)-mm	952	952







*All dimensions are in mm with +/- 1% tolerance.

MAXIMUM OPERATING CONDITIONS

Operating Temperature:	-40°C to +85°C
Maximum System Voltage:	1000V
Maximum Series Fuse Rating:	20A

TEMPERATURE COEFFICIENTS

Current Temperature Coefficients α(Isc) :	0.021%/Ċ
Voltage Temperature Coefficients β(Voc) :	-0.291%/Ċ
Power Temperature Coefficients ϒ(Pmax) :	-0.397%/Ċ

Caution: Please read safety and installation instructions before using the product. ***Warranty:** Linear power warranty for 27 years up to 2.5% for 1st year degradation and 0.67% from year 2 to year 27. Please read Rayzon warranty documents thoroughly. **Disclaimer:** specifications included in the datasheet are subject to change without prior notice owing to conditions innovation on the product Development and R&D Activities. RAYZON GREEN ENERGIES reserves the right to make any adjustment to the information described here, Dataset contained in this specification do not form a representative of a single module data. @T&C Apply

IECEE CB SCHEME

Ref. Certif. No.

US-33191-UL

Model Details:

72 Cell Series: Multi Cell
RGE350W72F, RGE345W72F, RGE340W72F, RGE335W72F, RGE330W72F, RGE325W72F, RGE320W72F, RGE315W72F, RGE310W72F, RGE305W72F, RGE300W72F, RGE250W72C, RGE225W72C, RGE200W72C, RGE180W72C
60 Cell Series: Multi Cell
RGE280W60F, RGE275W60F, RGE270W60F, RGE265W60F, RGE260W60F, RGE255W60F, RGE250W60F
54 Cell Series: Multi Cell
RGE225W54F, RGE230W54F, RGE235W54F, RGE240W54F, RGE245W54F, RGE250W54F
48 Cell Series: Multi Cell
RGE200W48F, RGE205W48F, RGE210W48F, RGE215W48F, RGE220W48F, RGE225W48F
36 Cell Series: Multi Cell
RGE10W36C, RGE15W36C, RGE20W36C, RGE30W36C, RGE37W36C, RGE40W36C, RGE50W36C, RGE55W36C, RGE60W36C, RGE75W36C, RGE80W36C, RGE90W36C, RGE100W36C, RGE110W36, RGE120W36C, RGE125W36C, RGE150W36F, RGE155W36F, RGE160W36F, RGE165W36F
18 Cell Series: Multi Cell
RGE5W18C, RGE3W18C

Ratings:

72, 60, 54, 48 Cell Series:
Maximum System Voltage: 1000V
Maximum over current protection rating: 20A
36 Cell Series:
Maximum System Voltage: 1000V
Maximum over current protection rating: 15A
36 Cell Series:
Maximum System Voltage: 1000V
Maximum over current protection rating: 10A
36 Cell Series:
Maximum System Voltage: 600V
Maximum over current protection rating: 10A
36 Cell Series:
Maximum System Voltage: 600V
Maximum over current protection rating: 5A
18 Cell Series:
Maximum System Voltage: 600V
Maximum over current protection rating: 3A
See specific model rating in General Product information of Test Report.

Additional information (if necessary)

☒ UL (US), 333 Pfingsten Rd IL 60062, Northbrook, USA
☐ UL (Demko), Borupvang 5A DK-2750 Ballerup, DENMARK
☐ UL (JP), Marunouchi Trust Tower Main Building 6F, 1-8-3 Marunouchi, Chiyoda-ku, Tokyo 100-0005, JAPAN
☐ UL (CA), 7 Underwriters Road, Toronto, M1R 3B4 Ontario, CANADA

For full legal entity names see www.ul.com/ncbnames

Date: 2019-02-07

Signature:
Jolanta M. Wroblewska