



VIDYAVARDHAKASANGHA®  
**VIDYAVARDHAKA LAW COLLEGE**  
SHESHADRI IYER ROAD, MYSURU- 1

**ASSESSMENT PERIOD 2019-20 To 2023-24**



**CRITERIA 7- INSTITUTIONAL VALUES AND BEST PRACTICES**

**Key Indicator-7.1 Institutional Values and Social Responsibilities (50)**

*Metric No- 7.1.2- The Institution has facilities for alternate sources of energy and energy conservation measures*

**Submitted to**



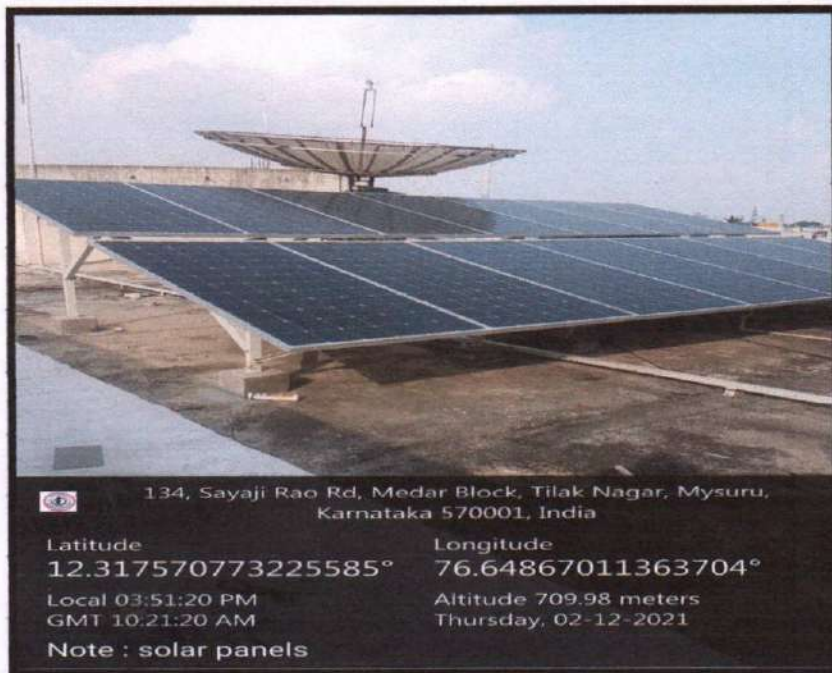
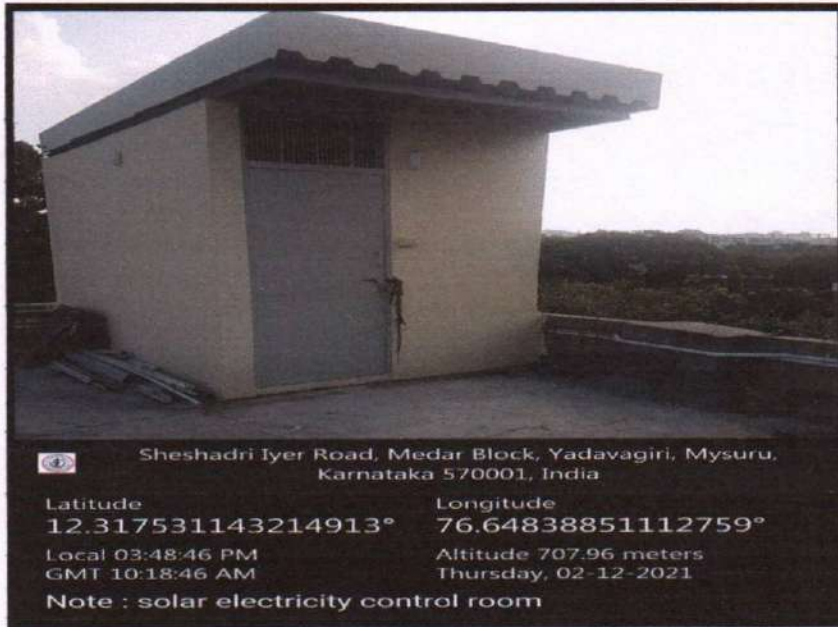
**THE NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL**



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SHESHADRI IYER ROAD, MYSURU-1

*7.1.2 The Institution has facilities for alternate sources of energy and energy conservation measures*

**1. Solar energy**



  
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Vidyavardhaka Law College  
Mysore - 570 001



Sheshadri Iyer Road, Medar Block, Yadavagiri, Mysuru,  
Karnataka 570001, India

Latitude  
12.317530333463901°

Longitude  
76.64835144959395°

Local 03:49:14 PM  
GMT 10:19:14 AM

Altitude 708.16 meters  
Thursday, 02-12-2021

Note : solar panels



134, Sayaji Rao Rd, Medar Block, Tilak Nagar, Mysuru,  
Karnataka 570001, India

Latitude  
12.317572340548729°

Longitude  
76.64867205063432°

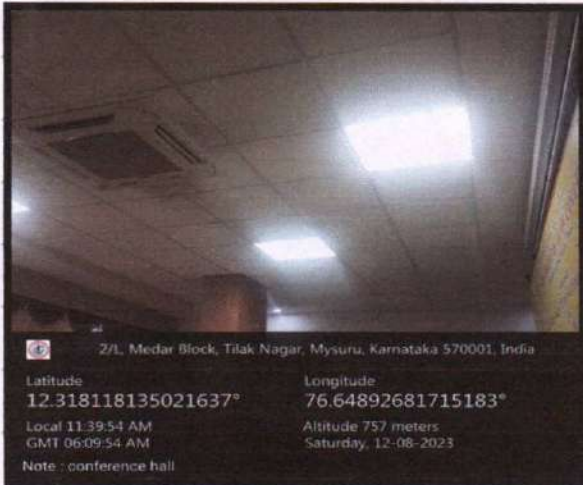
Local 03:51:22 PM  
GMT 10:21:22 AM

Altitude 710.02 meters  
Thursday, 02-12-2021

Note : solar panels

  
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## 2. Use of LED bulbs/ power efficient equipment



  
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### 3. Generator



  
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# Chamundeshwari Electricity Supply Corporation Limited

A Government of Karnataka Undertaking

ಚಾಮುಂಡೇಶ್ವರಿ

Ph.No. 0821-2421902

e-mail: aeecsdcesc@gmail.com

Office of the  
Asst Executive Engineer (EI)  
O&M Central Sub-Divn.,  
Mysuru

## Electricity Bill (solar Roof Top)

R R NUMBER	HT694 ✓		
ACCOUNT I D	4390588049		
Reading date	1 st.		
NAME & ADDRESS	SECRETARY, VIDYA VARDAHA SANGHA SHESHADRI IYER ROAD, Mysore		
TARIFF	HT2C2		
Sanction load	100 KVA		
Solar Roof Top Load	80KWP		
Billing period	1/07/2023	1/08/2023	
	IMPORT	EXPORT	
present reading	154.672 ✓	259.89 ✓	
Previous reading	148.761 ✓	253.905 ✓	
TOTAL	5.911 ✓	5.985 ✓	
CONSTANT	500 ✓	500 ✓	
CONSUMPTION	2956 ✓	2992 ✓	
Difference between Export & Impoprt	37 ✓	Units	
Bill Amount ( @ 3.07 per Unit )	37 ✓	3.07 ✓	114 ✓
LESS Fixed Charges(85KVA x 350)	29750 ✓		
Late Payment Charges	0		
Fuel Cost Adjustment Charges @ 1.05ps/unit	3104 ✓		
Arrears	0 ✓		
Less Tax @ 9 %	2261 ✓		
PF Surcharge 2956 KWH * Rs 0.39(0.77)	1153 ✓		
<b>NET PAYABLE BY CONSUMER</b>	<b>36155 ✓</b>		


### CERTIFICATE:

Registered Consumer of R.R.No. HT 694 is installed Solar Roof Top  
Import Energy of this Installation 2955.5 Units ✓  
Export Energy of this Installation 2992.5 Units ✓  
Difference between Export & Import 37 Units ✓  
Billed @ rate of 3.07 per Unit  
Payable By Consumer 36155 ✓

HT2C2 SLAB RATE

FC/DEMAND CHARGES: 350/KVA

Upto 1 Lakh units \*8.5

  
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Asst.Executive Engineer, Ele.  
CESC Central Sub-Divn.,  
Mysuru

Ch.No, 000857  
dt - 08/08/2023  
₹ - 36,155/-

tion Limited

CESCOM, MANDIMOHOLLA

Receipt No : 1110200507079  
 Pay Mode : Cheque  
 Pay Date : 14/08/2023 03:20:50 PM  
 Pay Type : BILL  
 RR No : HT694  
 A/c ID : 4390588049  
 Name : SECRETARY  
 Paid Amount : Rs.36155  
 (Thirty Six thousand One hundred Fifty Five)  
 Sec Key : QYEn5  
 Cheque No : 000857  
 Cheque Date : 08/08/2023  
 Bank Name : BANK OF BARODA  
 Drawn By : Operator

THANKS FOR USING ATP KIOSK(iEASYPAY)  
 DESIGNED & DEVELOPED BY  
 IDEA INFINITY IT SOLUTIONS PVT LTD  
 (1/1)




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**80kWp**  
**Rooftop Solar System**

**Vidya Vardhaka Law College**  
Mysuru

  
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Vidyavardhaka Law College  
Mysore - 570 001





Date: 19 November 2019

Ref: ORB/PRJ-PV/19200100

**Vidya Vardhaka Law College**  
Bannimantap Road  
Mysuru

Kind Attn: Mr. Vishwanth P

**Subject: Proposal for 80kWp Rooftop Solar System**

Dear Sir

Thank you for the opportunity to work with Vidya Vardhaka Law Collge (VVLC) on this rooftop solar project for your premises in Mysuru.

Please find attached Orb Energy's proposal to supply, install and service a 80kWp rooftop solar solution which we have designed in consultation with you.

Our proposal will allow VVLC to stop spending money that it no longer needs to spend on grid electricity. In this proposal we have calculated the actual savings over a 25 year period.

While the payback period for this investment is short - at only 2 years & 11 months - the economic benefit you will receive from your investment will endure for years beyond that. In fact, Orb Energy provides a 25-year power warranty to its customers.

Orb Energy is unique in the Indian solar market. It has built its business by investing to establish:

- A leading manufacturing capability in Bangalore, India. We don't just distribute PV panels from a remote, third party supplier;
- Local presence (with over 50 branches) across India, meaning we are always closer to our customers;
- Expert project managers who help our clients to make the right choices; and
- Over 100 highly experienced installation and support technicians

This means that VVLC can have confidence that a rooftop solar solution from Orb will help you to immediately reduce spending on your electricity bill. You will also have a strong local partner with the local presence to support your investment. Our aim is in short, to ensure you maximum long-term return from generating your own solar energy.

At Orb Energy we recognize that many clients want to know more about solar energy, and the way it will work for them before they make the next steps towards their investment decision. So, we welcome further discussion - we invite you to ask questions if there is anything you need more clarity on, or there are any remaining concerns you may have.

Yours sincerely,

  
Ananda Kumar V  
Sr. Manager – PV Projects  
Email: anand.kumar@orbenergy.com | Tel: +91 9482860895

## 1) Your money-saving solar solution.

Stop spending money on electricity that you don't need to spend.

Over a 25-year period, we estimate VVLC will realize an estimated net gain of more than Rs. 2.61 crores by investing in a rooftop solar system from Orb.

Cost of grid electricity over 25 yrs considering 3% yearly escalation	Rs. 3,26,17,562
Cost of the solar PV system over 25 yrs	Rs. 65,36,813

Payback period	2 years & 11 months
Return on Investment (ROI)	47.66%
Economic life of PV panels	>25 years

Current grid rate per kWh	Rs. 8.45
Levelized price per kWh from solar rooftop system	Rs. 2.43

While the financial case for solar is compelling, there are other factors to consider...

Through our conversations, we have worked with VVLC to identify the key questions and concerns that your team has raised around this project. We have then addressed them collaboratively to ensure that VVLC can make a strong and informed decision, with full confidence in:

- The performance and reliability of Orb's solar technology.
- The way Orb's solution is designed specifically to meet VVLC's needs.
- The strength of Orb's installation, monitoring, and local support.

*[Signature]*  
**PRINCIPAL**  
Vidyavardhaka Law College  
Mysore - 570 001



## A tailored solar solution from Orb Energy to meet your needs.

VVLC can avoid spending approximately Rs 3.26 crores on grid electricity over a 25-year period by generating its own power from a rooftop solar solution. In order to achieve this it needs to select a partner for solar power that it can trust.

Orb Energy has designed a solution for VVLC which will allow you to:

- Invest now, knowing that it is always more cost effective to buy now than to wait.
- Generate an estimated 327 (P-95) units of power per day on average.
- Save an estimated Rs. 2,60,80,749 over 25 years.
- Have confidence in the ongoing performance of your money-saving solar solution:
  1. Orb will manufacture your solar panels in our own 60MW solar plant in Bangalore, to ensure quality.
  2. We include remote monitoring with your system to identify any problems - our local network of skilled technicians resolves them fast.
  3. We guarantee power output from our solar panel for 25 years.
- Our solution is carefully designed to meet the specific requirements of VVLC taking into consideration:
  - Your site environment, including your available roof-space, roof-direction, limitations of shadings; and structural design of your building;
  - Your energy consumption and needs;
  - Your approved sanction load.

Orb helps its clients to maximize the money they can stop spending unnecessarily on electricity. We deploy the latest solar technology with great products, great solution design, great local support and service.

We look forward to working with VVLC to help you stop spending money on grid electricity that you no longer need to spend.

## Your next steps

What further information do you need to be confident that you're about to make the best decision for your business?

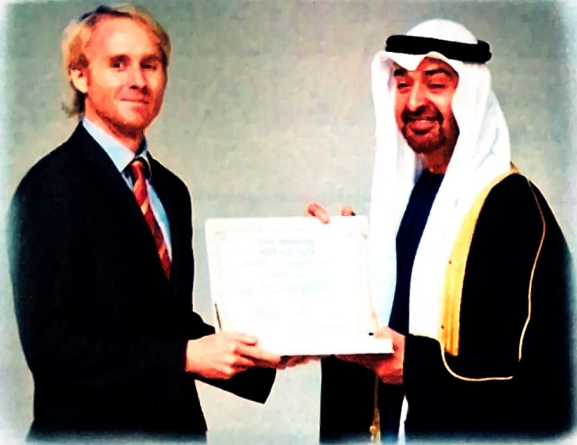
- Many clients want to proceed with an order or process a financing application.
- Some clients want to see more financial calculations.
- Some need to involve other decision makers at this point.
- Many of our clients wish to talk to our other customers, visit an existing installation, or even visit our manufacturing plant.

Let us now agree what the right next steps for VVLC. We'll then arrange for that to happen for you quickly, so you can get to your anticipated savings fast.



## International leadership and recognition

In recognition of Orb's unique, high-quality approach to the Indian solar market, we received the prestigious Zayed Future Energy Prize in 2012. This is the most prestigious award in the world for renewable energy.



Dr. Damian Miller, CEO, Orb Energy receiving the 2012 Zayed Future Energy Prize from HH General Sheikh Mohamed bin Zayed Al Nahyan Crown Prince of Abu Dhabi Deputy Supreme Commander of the UAE Armed Forces.

The Zayed Future Energy prize is awarded annually to large corporations, individuals, small business and non-governmental organizations that have made significant contributions to the future of energy.

Orb Energy received this award in recognition of its efforts towards creating a significant impact on India's sustainable energy landscape, by building a unique distribution model for solar energy that has helped power Indian homes, enterprises and entire villages.

## Orb's Clients

Orb specializes in serving both small to medium scale enterprises (SME's) as well as large corporations. Here is a small selection of our many satisfied solar rooftop clients.



We are happy to facilitate conversations for you with existing Orb clients, to talk about and to see our installed projects.

ORB ENERGY PRIVATE LIMITED, 95 DIGITAL PARK ROAD, 2ND STAGE, YESHWANTHAPURA, BENGALURU 560022, INDIA  
CIN U31909KA2006PTC040346 TEL +91 80 67711300 FAX +91 80 67711333 WEB WWW.ORBENERGY.COM

*Handwritten signature*  
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Vidyavardhaka Law College  
Mysore - 570 001

### 3) Orb's Solution for VVLC

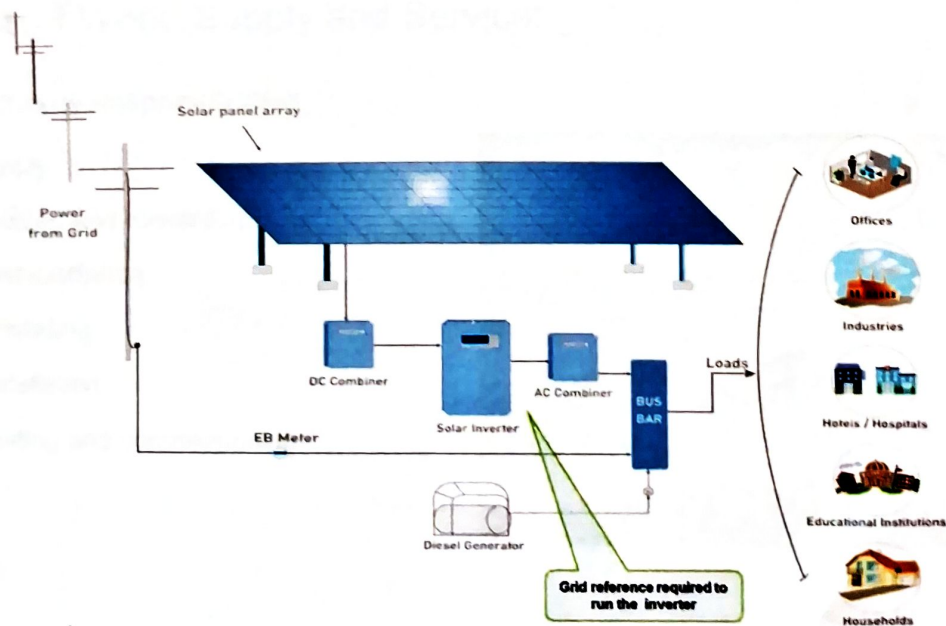
#### Key Components of your Rooftop Solar System

Solar Panel	Technology	Power Tolerance	Certification	Salient features
Orb Energy	Si- Crystalline	+ 4W or 0 tolerance	IEC 61215 IEC 61730	<ul style="list-style-type: none"> <li>• Thicker Al frames</li> <li>• Anti-reflection coated cells</li> <li>• Upto 19% efficiency</li> </ul>

Inverter	Technology	Max. Efficiency	Power	Salient features
Delta/ Goodwe/ Huawei	Grid tied String Inverter	>98.20%	30kVA 50kVA	Best-in-class efficiency. Built-in MPPT charge controller. Easy to use digital display.

Structure	Material	Foundation	Max. wind load	Salient features
Orb Energy	Aluminum extrusions	---	150 kmph (40m/sec)	Modules shall be mounted on a non-corrosive support structure suitable for site conditions

#### System Schematic



ORB ENERGY PRIVATE LIMITED, 95 DIGITAL PARK ROAD, 2ND STAGE, YESHWANTHAPURA, BENGALURU 560022, INDIA  
CIN U31909KA2006PTC040346 TEL +91 80 67711300 FAX +91 80 67711333 WEB WWW.ORBENERGY.COM

*Principal*  
Vidyavardhaka Law College  
Mysore - 570 001

## Bill of Materials for 80kWp Rooftop Solar System

Sr.No.	Description of Items	Unit	Qty.
<b>A</b>	<b>Solar Panels</b>		
1	370/375/380/385/390Wp - Mono-crystalline	PV Array	80kWp
<b>B</b>	<b>Inverters with data logging and string monitoring</b>		
1	String Inverter - 30kVA Delta/ Goodwe/ Huawei	No.	1
2	String Inverter - 50kVA Delta/ Goodwe/ Huawei	No.	1
<b>C</b>	<b>Structure</b>		
1	Module mounting Structure	Set	1
<b>D</b>	<b>Electrical cabling DC and AC and Metering</b>		
<b>(Estimated - quantities and specs subject to finalization on actual site survey)</b>			
1	Interconnection between module and DCCB (Cu -4 sq mm)	Mtr.	550
2	Interconnection between DCCB & Inverter (Cu - 4 sq mm)	Mtr.	150
3	Interconnection between Inverter & AC Combiner box	Mtr.	30
4	Array junction box including string fuses	No.	2
5	DC combiner box wit surge protection	No.	2
6	AC combiner box with energy meter, SPDs, MCBs & isolators	No.	1

### Scope of Work, Supply and Service:

#### Orb Energy Responsibilities

- Supply
- Packing and forwarding
- Transportation
- Unloading
- Installation
- Testing and commissioning



### VVLC's Responsibilities

- Safe storage of material
- All civil works - if required
- Provision of parapet walls for RCC roofs /staircase for roof access & support railings for galvalume roofs
- Providing grid power at solar control panel for synchronization purposes

### Installation and Timelines



All our rooftop solar systems are installed by our own trained technicians who also follow-up with reliable after sales services. Orb has roughly 70 technicians on-hand, many with more than 10 years of solar system installation experience.

The entire capacity of 80kWp for VVLC shall be erected, commissioned and put into commercial operation within a period of a maximum of 4 - 6 weeks from the date of placement of order, receipt of advance payments and all necessary drawing approvals in place.

### After-sales service

Orb provides 1 year of free after-sales service. This entails:

- Remote monitoring of the performance of your solar solution featuring daily, cumulative, monthly and yearly energy data.
- 3 free preventative maintenance visits by Orb to check on system performance.
- Free call-out in the event of any issues / trouble-shooting.



VVLC can also choose an Annual Maintenance Contract (AMC) for essential maintenance services from the 2nd year onwards.

## 4) Commercial Summary

### Pricing

Details	Amount (INR)
System price	33,50,000
Metering cubicle	3,00,000
Approvals, net metering & synchronization	1,00,000
Applicable Taxes: GST @5% on 70% of System price	1,31,250
Applicable Taxes: GST @18% on 30% of System price	2,02,500
<b>Total system price</b>	<b>40,83,750</b>

### Payment Terms

- 50% advance along with the purchase order
- 40% against delivery of the material
- 5% against installation of the system
- 5% against synchronization of the system

### Terms and conditions

- This offer is valid for **30 days** from the date of this offer
- Taxes are extra at actual at the time billing.
- Electricity and water supply at site will be provided by customer free of cost during installation
- Inclusive of freight and insurance
- Standard force majeure conditions apply for this offer and resultant order
- Storage space for safekeeping of the supplied material until completion of the installation process to be provided by the customer.

### Warranty

- **PV Modules** - limited power warranty of:
  - 90% of the minimum peak power after 10 years of supply, and
  - 80% of minimum peak power after 25 years of supply.
- **Inverters**: 5-year warranty against manufacturing defects (from date of invoice)
- **1-year warranty**: remote monitoring sytem, SPD, contactors, MCCB, MCB against manufacturing defects (from date of invoice)
- **All other equipment**: 3-year warranty against manufacturing defects (from date of invoice)



**Economics Sheet  
for 80kWp Rooftop Solar System  
Vidya Vardhaka Law College, Mysuru**

Year	Energy Generation/year (A)	Saved Energy Unit cost (with Annual increment) (B)	Return Per Year Considering Energy Cost (C = A x B)	Depreciable value based on 40% depreciation	Tax benefit on Depreciation @ 30%	O&M Cost (Annual 5% increment) (E)	Spares Replacement (F)	Interest savings after Payback Period @ 4.90% (7% - 30%TDI) per Annum (G)	Annual Profit	Cumulative Profit
		3%								
2019	119320	8.45	10,08,254	15,30,000	4,59,000	30,000			-23,87,746	(23,87,746)
2020	118326	8.70	10,29,847	9,18,000	2,75,400	31,500			12,73,747	(11,13,999)
2021	117331	8.96	10,51,829	5,50,800	1,65,240	33,075			11,83,994	69,995
2022	116337	9.23	10,74,203	3,30,480	99,144	34,729		3,430	11,42,048	12,12,043
2023	115343	9.51	10,96,972	1,98,288	59,486	36,465		59,390	11,79,383	23,91,427
2024	114348	9.80	11,20,141	1,18,973	35,692	38,288	3,20,000	1,17,180	9,14,724	33,06,151
2025	113354	10.09	11,43,713	71,384	21,415	40,203		1,62,001	12,86,926	45,93,077
2026	112360	10.39	11,67,690	42,830	12,849	42,213		2,25,061	13,63,387	59,56,464
2027	111365	10.70	11,92,078	25,698	7,709	44,324		2,91,867	14,47,330	74,03,795
2028	110371	11.03	12,16,877	15,419	4,626	46,540		3,62,786	15,37,749	89,41,543
2029	109377	11.36	12,42,092	9,251	2,775	48,867	3,20,000	4,38,136	13,14,136	1,02,55,679
2030	108382	11.70	12,67,724	5,551	1,665	51,310		5,02,528	17,20,607	1,19,76,286
2031	107388	12.05	12,93,776	3,330	999	53,876		5,86,838	18,27,738	1,38,04,024
2032	106394	12.41	13,20,251	1,998	599	56,569		6,76,397	19,40,678	1,57,44,702
2033	105399	12.78	13,47,149	1,199	360	59,398		7,71,490	20,59,801	1,78,04,303
2034	104405	13.16	13,74,474	719	216	62,368	3,20,000	8,72,411	18,64,732	1,96,69,036
2035	103411	13.56	14,02,225	432	129	65,486		9,63,783	23,00,651	2,19,69,687
2036	102416	13.97	14,30,404	259	78	68,761		10,76,515	24,38,236	2,44,07,923
2037	101422	14.39	14,59,012	155	47	72,199		11,95,988	25,82,848	2,69,90,771
2038	100428	14.82	14,88,049	93	28	75,809		13,22,548	27,34,817	2,97,25,588
2039	99433	15.26	15,17,516	56	17	79,599	3,20,000	14,56,554	25,74,487	3,23,00,075
2040	98439	15.72	15,47,411	34	10	83,579		15,82,704	30,46,546	3,53,46,621
2041	97445	16.19	15,77,734	20	6	87,758		17,31,984	32,21,966	3,85,68,587
2042	96450	16.68	16,08,483	12	4	92,146		18,89,861	34,06,202	4,19,74,789
2043	95456	17.18	16,39,658	7	2	96,753		20,56,765	35,99,672	4,55,74,461
2044	2684700		3,26,17,562	38,24,989	11,47,497	14,31,813	12,80,000		4,55,74,461	

Total Lifetime Expenses	Rs.	65,36,813
Total Energy Generation in 25 Years	kWh	26,84,700.00
Total Savings	Rs.	2,60,80,749

**Payback Period 4 Years 11 Months**

IRR	51.17%
ROI	47.66%

Levelised Cost of Energy (LCOE) =  $\frac{\text{Total Lifetime Expenses}}{\text{Total Expected Energy generation}}$

**LCOE = 2.43 per kWh**

Assumptions:  
0.83% Power output Degradation for first 25 Years

*[Signature]*  
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Mysore - 570 001



## Mono PERC Modules - 72 cells

### Electrical Specifications

Rated Power (STC) *	365	370	375	380	385
Module Efficiency	18.72%	18.97%	19.23%	19.48%	19.74%
Open Circuit Voltage - Voc (Volts)	49.30	49.40	49.50	49.60	49.70
Short Circuit Current - Isc (Amps)	9.74	9.82	9.90	9.98	10.06
Max Power Voltage - Vmp (Volts)	40.34	40.44	40.55	40.65	40.75
Max Power Current - Imp (Amps)	9.05	9.15	9.25	9.35	9.45

\* tolerance of 0 - +4

### Thermal Data

Open-Circuit Voltage	-0.32% / °C
Short-Circuit Current	+0.04% / °C
Rated Power	-0.4% / °C
NOCT (Normal Operating Temperature)	46±2°C

### Mechanical Data

Number of Cells and Dimensions	72 Cells - 156.75mm (6.2in) x 156.75mm (6.2in)
Dimensions in mm: LxW xH	1970mm (77.6in) x 990mm (39.0in) x 35mm (1.4in)
Mounting Dimensions in mm: LxW	1200mm(47.2in) x 954mm (37.6in)
Weight	21 Kg (46.29 Lbs)
Front Glass	3.2mm (0.1in) thick, toughened anti-reflective coated glass, high transmission
Encapsulant	Ethylene Vinyl Acetate (EVA)
Back Sheet	White / Black-cell side (optional)
Frame	Anodized Aluminum Alloy Silver / Black (optional)
Junction Box	IP 67
Number of Bypass Diodes	3 Diodes
Cables	4 Sq. mm (0.2in), 1.2 Meter (47.2in) Length Cable
Connectors	MC4 Compatible

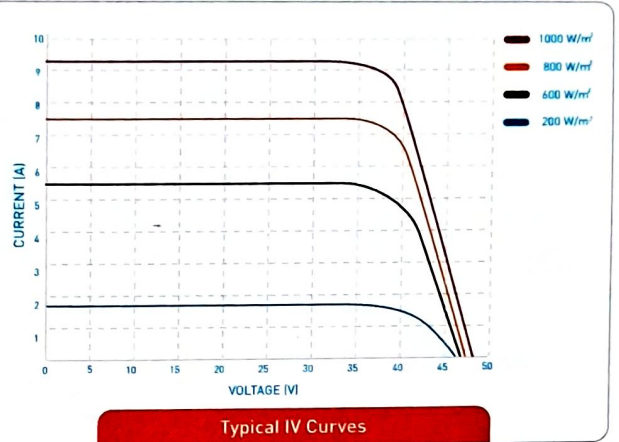
### Permissible Operating Conditions

Operating Temperature Range	-40° C to 85° C
Max. System Voltage	1000V / 1500V
Max. Series Fuse Rating	15A
Limiting Reverse Current	15A
Maximum Wind Load	2400 Pa
Maximum Snow Load	2400 Pa
Resistance Against Hail	Maximum 25mm (1.0in) Dia with Impact speed of 83 km/h
Protection Class	Class II

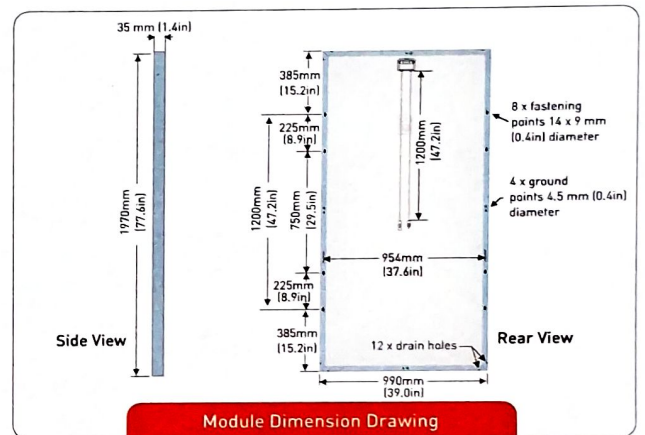
### Warranty and Certificates

Product Warranty	10 years
Linear Power Warranty	Minimum 80% after 25 years
Certificates	UL 1703, IEC 61215, IEC 61730

Note: 1) Rated power data at standard test conditions (STC), E = 1000 W/m<sup>2</sup>, TC = 25° C, AM = 1.5  
2) Specifications are subject to change without notice.



Typical IV Curves



Module Dimension Drawing

### Packaging Information

No. of panels per pallet	28 nos
No. of pallets per container (40'HC)	22 nos
Total no. of panels per container (40'HC)	616 nos



Orb's State of the Art PV Plant in Bangalore

Call us: + 91 9900520505 Email: sales@orbenergy.com Web: www.orbenergy.com  
Orb Energy, 95 Digital Park Road, 2nd Stage, Yeshwanthapura, Bengaluru 560022, India

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Mysore - 570 001



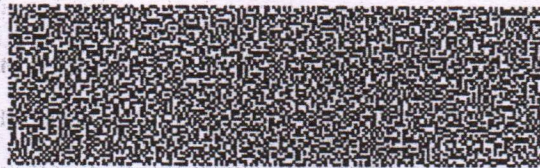
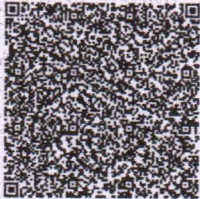
सत्यमेव जयते

INDIA NON JUDICIAL

Government of Karnataka

e-Stamp

Certificate No. : IN-KA05173454447200S  
 Certificate Issued Date : 24-Dec-2020 04:03 PM  
 Account Reference : NONACC (FI)/ kacrsf108/ HEBBAL/ KA-MY  
 Unique Doc. Reference : SUBIN-KAKACRSFL0896610088447682S  
 Purchased by : SECRETARY VIDYAVARDHAKA SANGHA  
 Description of Document : Article 12 Bond  
 Description : POWER PURCHASE AGREEMENT  
 Consideration Price (Rs.) : 0  
 (Zero)  
 First Party : SECRETARY VIDYAVARDHAKA SANGHA  
 Second Party : THE EXECUTIVE ENGINEER N R MOHALLA DIV CESC MYSORE  
 Stamp Duty Paid By : SECRETARY VIDYAVARDHAKA SANGHA  
 Stamp Duty Amount(Rs.) : 200  
 (Two Hundred only)



Please write or type below this line

**POWER PURCHASE AGREEMENT FOR ROOFTOP SOLAR PV PLANTS WITH NET METERING ARRANGEMENT**

This Power Purchase agreement is entered into at (Place) Mysore on this Monday of Date: 04<sup>th</sup> JANUARY 2021 between Chamundishwari Electricity Supply Company Limited, Mysore (CESC, Mysore), a Government of Karnataka undertaking, being a Company formed and incorporated in India under the Companies Act-1956, with its registered office located at No : 29, Vijaynagar 2<sup>nd</sup> Stage, Hinkal, Mysore-570017 Karnataka State, represented by Assistant Executive Engineer/ Executive Engineer, O&M Sub-Division Mysore **Central Zone** CESC Division **N.R.Mohalla Mysore** hereinafter, referred to as the

*[Signature]*  
Secretary

Vidyavardhaka Sangha (Regd.), Mysuru  
Statutory Agent - 570 001

*[Signature]*  
ಶಾಖಾಧಿಕಾರಿ (ಎ)  
ಪಿ.ಎ.ಸಿ.ಸಿ., ಶಾಖಾ ಮುಖ್ಯ ಕಾರ್ಯದರ್ಶಿ  
ಎನ್.ಆರ್.ಮೊಹಲ್ಲಾ, ಮೈಸೂರು

*[Signature]*  
PRINCIPAL  
Vidyavardhaka Law College  
Mysore - 570 001

1. The authenticity of this Stamp certificate should be verified at 'www.shcilestamp.com' or using e-Stamp Mobile App of Stock Holding. Any discrepancy in the details on this Certificate and as available on the website / Mobile App renders it invalid.
2. The onus of checking the legitimacy is on the users of the certificate.
3. In case of any discrepancy please inform the Competent Authority.

KARNATAKA GOVERNMENT OF KARNATAKA

"CESC, Mysore" (which expression shall, unless repugnant to the context or meaning there of, include its successors and permitted assigns) as party of the first part

AND

(Name).SECRETARY VIDYAVARDAKHA SANGHA the consumer of CESC Mysore residing at (address) Sheshadri Iyer Road Mysore-570001 here in after referred to as the "Seller" (which expression shall, unless repugnant to the context or meaning thereof, include it successors and permitted assigns), as party of the second part.

Whereas,

a The Seller intends to connect and operate the Solar Roof Top Photo Voltaic (SRTPV) system with CESC, Mysore HT/LT Distribution system for sale of Solar Power to CESC, Mysore in terms of the Karnataka Electricity Regulatory Commission (KERC) Order No.S/03/01/62 dated:22.05.2020.

b. The Seller intends to install a SRTPV system of **80 KWP** capacity on the existing roof top of the premises situated at SECRETARY VIDYAVARDHAKA SANGHA the consumer of CESC Mysore residing at (address) Sheshadri Iyer Road Mysore-570001 and bearing **RR.No: HT-694** in the same premises under **Mysore Central Sub** -Division of CESC **N.R.Mohalla Mysore Division**

c. The Seller intends to sell the energy generated from the SRTPV system to CESC, Mysore on net metering concept, from the date of commissioning of the SRTPV system.

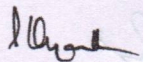
**Explanation:** 'The Commissioning' means the stage at which the SRTPV system status generation the power for the use by the seller and injects surplus power if any, into the grid.

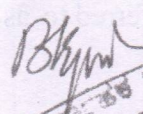
d. CESC, Mysore intends to purchase the energy generated by such SRTPV system, on net metering basis, at the tariff determined by the KERC.

Now therefore, in consideration of the foregoing premises, the parties, hereto, intending to be legally bound, hereby, agree as under:

**1. Technical and Interconnection Requirements:**

Seller shall ensure his SRTPV system complies with the following, technical and Inter connection requirement and shall:

X  
  
Secretary  
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Mysuru - 570 001

  
Principal  
Vidyavardhaka Law College  
Mysuru - 570 001

  
Principal  
Vidyavardhaka Law College  
Mysuru - 570 001

## 2. Safety:

The seller shall comply with the following safety measures:

The seller shall comply with the Central Electricity Authority (Measures Relating to Safety and Electricity Supply) Regulations, 2010.

The seller shall ensure that, the design, installation, maintenance and operation of the SRTPV system are in a manner conducive to the safety of the SRTPV system as well as the CESC, Mysore's distribution system.

If the Seller's SRTPV system either causes damage to and/or produces adverse effects on the other consumers' or CESC, Mysore's assets, Seller will disconnect SRTPV system immediately from the distribution system by himself or upon directions from the CESC, Mysore and rectify the same at his own cost be before reconnection.

## 3. Clearances and Approvals

The Seller shall obtain CESC, Mysore's and other statutory approvals and clearances before connecting the SRTPV system to the distribution system.

## 4. Access and Disconnection

CESC, Mysore shall have access to metering equipment and disconnecting device of SRTPV system, both automatic and manual, at all times.

In emergency or outage situation, where there is no access to a disconnecting device either automatic or manual, the CESC, Mysore shall have the right to disconnect power supply to the premises.

## 5. Liabilities

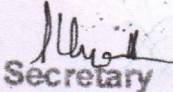
The Seller shall be solely responsible for availing any fiscal or other incentive provided by the State/ Central government, at his own expenses.


## 6. Commercial Settlement

### Tariff:

a. The CESC, Mysore shall pay for the Net energy at **Rs. 3.07 per** KWh as determined by the KERC in the Order dated 22.05.2020, for the term of this agreement.

b. If for any reason the date of commissioning is delayed, beyond the date of commissioning agreed, the tariff payable by the CESC, Mysore shall be lower of the:

  
Secretary  
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Mysuru - 570 001

  
ಪ್ರಾಚಾರ್ಯರ ಕಛೇರಿ  
ಶಾ.ವಿ.ವಿ.ಸಿ., ಕಾರ್ಯ ಮಂಟ್ರಿ ಕಛೇರಿ  
ಬಿ.ಆರ್. ಮಹೇಶ್ವರಿ ವಿಠಲ, ಮೈಸೂರು

  
PRINCIPAL  
Vidyavardhaka Law College  
Mysore - 570 001

Comply with the applicable standards and conditions in respect of integrating the SRTPV system with the distribution system.

Connect and operate the SRTPV system to CESC, Mysore's distribution system, in accordance with the State Grid Code and Distribution Code as amended from time to time.

Install, prior to connection of SRTPV system to CESC, Mysore distribution system, an inverter with an automatic inbuilt isolation device.

Provide external manual isolation mechanism with suitable locking facility so that SRTPV system will not back-feed into the CESC, Mysore's network, in case of power outage of the CESC, Mysore's distribution system, and it shall be accessible for CESC, Mysore to operate, if required, during maintenance / emergency conditions.

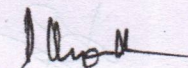
Install all the equipment of the SRTPV system, compliant with relevant International (IEEE/IEC) and Indian standards (BIS).


(a) SRTPV system shall be designed, engineered and constructed and operated by the seller or any other person on his behalf, with reasonable diligence subject to all applicable Indian laws, rules, Regulations as amended from time to time and orders having the force of law.

(b) The seller, shall commission the SRTPV system within six months from the date of approval of the PPA.

Adhere to the following power quality measures as per the International and Indian standards and/or such other measures stipulated by the KERC/ CESC, Mysore:

- a. Harmonic current: Harmonic current injections from a generation unit shall not exceed the limits specified in IEEE 519.
- b. Voltage at the injection point should be in the operating range of 80% to 110% of the nominal connected voltage.
- c. Flicker: Operation of Photovoltaic system shouldn't cause voltage flicker in excess of the limits stated in the relevant sections of IEC standards or other equivalent Indian standards, if any
- d. Frequency: When the system frequency exceeds the upper limit specified in the IEGC, as amended from time to time, the SRTPV system shall shift to island mode.
- e. DC Injection: Photovoltaic system should not inject DC power more than 0.5% of full rated output at the interconnection point or 1% of rated inverter output current into distribution system under any operating conditions.
- f. Power Factor: While the output of the inverter is greater than 50%, a lagging power factor of greater than 0.9 shall be maintained.
- g. The SRTPV system in the event of voltage or frequency variations must island/disconnect itself as per IEGC/KEGC Regulations within the stipulated Period.

  
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Mysuru - 570 001

  
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Principal  
Vidyavardhaka Law College  
Mysuru - 570 001

i) Tariff agreed to in this agreement

OR

ii) any revised tariff, determined by the commission, prevailing on the date of commissioning.

OR

iii) 90% of tariff agreed to in this agreement

c. The Seller shall pay the Electricity tax and other statutory levies, pertaining to SRTPV generation, as may be levied from time to time.

d. The seller shall not have any claim for compensation, if the Solar power generated by his SRTPV system could not be absorbed by the distribution system due to failure of power supply in the grid/ distribution system for the reasons, such as line clear, load shedding and line faults, whatsoever.

## 7. Metering:

7.1

The seller shall arrange to shift the existing meter to the generation side of SRTPV plant to measure solar power generation and install Bi-directional meter (whole current/CT operated) at the point of interconnection to the distribution system, at a suitable place in the premises accessible for recording export of energy from the SRTPV system to the grid and import of energy to the premises of the consumer from the grid. The bi directional meter shall comply with the Central Electricity Authority (Installation and operation of meters) Regulations, 2006 and shall have the following features:

i Separate registers, for recording export and import energy with facility to download by Meter Reading Instrument (MRI).

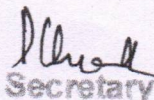
ii. kVA, kW and kVAR measuring registers for both import and export of energy.

iii. The meter shall have RS232 (or higher) communication optical port / Radio Frequency (RF) port to support Automatic Meter Reading (AMR).

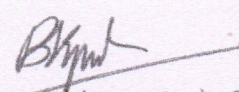
## 8. BILLING AND PAYMENT:

CESC, Mysore shall issue monthly electricity bill for the net energy on the scheduled date of meter reading.

In case, the exported energy is more than the imported energy, CESC, Mysore shall pay for the net energy exported as per Tariff agreed in this agreement within 30 days from the date of issue of bill duly adjusting the fixed charges and electricity duty if any.

  
Secretary

Vidyavardhaka Sangha (Regd.), Mysuru  
Mysuru - 570 001

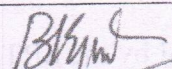
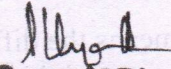
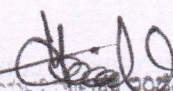
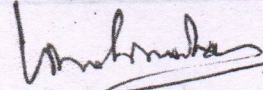
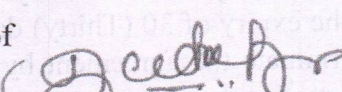
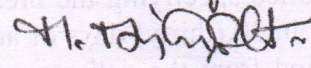
  
ಪ್ರಾಧ್ಯಾಪಕರು (ಪಿ)  
ಶಿ.ವಿ.ವಿ.ವಿ., ಕಾರ್ಯ ಮಂತ್ರಾಲಯ  
ಎಸ್.ಆರ್. ರೋಡ್, ಬೆಂಗಳೂರು, ಕರ್ನಾಟಕ

  
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Mysore - 570 001

The parties shall resolve the dispute in good faith and in equitable manner.

In case of failure to resolve the dispute, either of the parties may approach the appropriate Forum.

IN WITNESS WHEREOF, the Seller and the CESC, Mysore have entered into this Agreement to be executed as of the date and year first set forth above.

For AND ON BEHALF OF	
For CESC, Mysore	For SELLER
By : Name:  Designation: Address: ಕಾರ್ಯನಿರ್ವಾಹಕ ಇಂಜಿನಿಯರ್ (ಎ) ಆ.ವಿ.ಸ.ಐ.ಸಿ., ಕಾರ್ಯ ಮತ್ತು ಪಾಲನೆ ಎನ್.ಆರ್. ಮೊಹಲ್ಲಾ ವಿಭಾಗ, ಮೈಸೂರು	By :  Designation : <b>Secretary</b> Address: <b>Vidyavardhaka Sangha (Regd.), Mysuru</b> <b>Sheshadri Iyer Road</b> <b>MYSURU - 570 001</b>
WITNESS: In Presence of Name  Designation : ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಇಂಜಿನಿಯರ್ (ಎ) (ಶಿಕ್ಷಣ) ಆ.ವಿ.ಸ.ಐ.ಸಿ., ಕಾರ್ಯ ಮತ್ತು ಪಾಲನೆ ಎನ್.ಆರ್. ಮೊಹಲ್ಲಾ ವಿಭಾಗ, ಮೈಸೂರು	WITNESS: In Presence of Name  Designation : <b>Executive Officer, MS.</b>
WITNESS: In Presence of Name  Designation : ಕಾರ್ಯನಿರ್ವಾಹಕ ಇಂಜಿನಿಯರ್ (ಎ), ಆ.ವಿ.ಸ.ಐ.ಸಿ., ಕಾರ್ಯ ಮತ್ತು ಪಾಲನೆ ಎನ್.ಆರ್. ಮೊಹಲ್ಲಾ ವಿಭಾಗ, ಮೈಸೂರು	WITNESS: In Presence of Name  Designation : <b>M. Manoj Kumar Singh</b> <b>Accountant</b> <b>V.V. Sangha,</b>

  
**PRINCIPAL**  
**Vidyavardhaka Law College**  
**Mysore - 570 001**



In case, the exported energy is less than the imported energy, the seller shall pay CESC, Mysore for the net energy imported, as per the prevailing retail supply tariff determined by the Commission from time to time.

CESSC, Mysore shall pay interest at the same rates, as is being levied on the consumers, for late payment charges in case of any delay beyond 30 (thirty) days period from the date of issue of bill in payment, for the Net energy exported.

**Explanation:**

Net energy means the difference of meter readings of energy injected by the SRTPV system into the grid (export) and the energy drawn from the grid for use by the seller (import) recorded in the bi-directional meter.

**9. Term and Termination of the Agreement**

This agreement shall be in force for a period of **25** years from the date of commissioning of the SRTPV system unless terminated otherwise as provided here under.


If the CESC, Mysore commits any breach of the terms of the Agreement, Seller shall serve a written notice specifying the breach and calling upon the CESC, Mysore to remedy/ rectify the same within 30 (thirty) days or at such other period and at the expiry of 30 (Thirty) days or such other period from the delivery of the notice, Seller may terminate the agreement by delivering the termination notice, if the CESC, Mysore fails to remedy/ rectify the same.

If the Seller commits any breach of the terms of the Agreement, CESC, Mysore shall serve a written notice specifying the breach and calling upon the seller to remedy/ rectify the same within 30 (thirty) days or at such other period and at the expiry of 30 (Thirty) days or such other period from the delivery of the notice, CESC, Mysore may terminate the agreement by delivering the termination notice, if the seller fails to remedy/ rectify the same.

Upon termination of this Agreement, seller shall cease to supply power to the distribution system and any injection of power shall not be paid for by the CESC, Mysore.

**10. Dispute Resolution:** All the disputes between the parties arising out of or in connection with this agreement shall be first tried to be settled through mutual negotiation.

  
**Secretary**  
Vidyavardhaka Sangha (Regd.), Mysuru  
Mysuru - 570 001

  
ಶಾಖಾಧಿಕಾರಿಗಳ ಮಹಾಸಂಘ (ಎ)  
ಇ.ಎ.ಸಿ.ಸಿ.ಸಿ.ಸಿ. ಸಂಘದ ಅಧ್ಯಕ್ಷ, ಸಂಘ  
ಜಿ.ಎ.ಸಿ. ಸಂಘದ ಕಛೇರಿ, ಮೈಸೂರು

  
**PRINCIPAL**  
Vidyavardhaka Law College  
Mysore - 570 001

# VIDYAVARDHAKA SANGHA (Regd.), Mysuru

Seshadri Iyer Road, MYSURU - 570 001

**President :**  
NDAPPA GOWDA  
Ex - Corporator  
ore City Corporation

**Vice President :**  
B. SHIVALINGAPPA  
Sr. A.G.M., (Rtd.)  
Vysya Bank Ltd.

**Secretary :**  
P. VISHWANATH  
Ex - Mayor  
Mysore City Corporation

**Treasurer :**  
S. N. LAKSHMINARAYANA  
Librarian (Rtd.)  
University of Mysore

No. VVS: 132 - 2019 - 2020

03.02.2020

M/s. ORB Energy Pvt.Ltd.  
95, Digital Park Road  
2<sup>nd</sup> Stage  
Yeshawanthapura  
Bengaluru 560 022

## PURCHASE ORDER

Sir,

Sub: Purchase Order for the supply of Multi-crystalline system - **City VV Campus**  
Ref: Your quotation No. ORB/PRJ-PV/19200100 DATED 19.11.2019

With reference to the above and the further discussion we had with you, we are pleased to place the Purchase Order as follows:

Sl. No	Description	Amount Rs.
01	385 80 KWp Multi-Crystalline System price	30,00,000.00
	Approvals, net metering & synchronization	1,00,000.00
	GST 5% on 70% of System price	1,08,500.00
	GST 18% on 30% of System price	1,67,400.00
	<b>Total</b>	<b>33,75,900.00</b>

(Rupees Forty Lakh Eighty Three Thousand Seven Hundred and Fifty only)

### Terms and Conditions:

1. Payment: 50% advance along with PO, 40% against delivery, 5% against installation of the system and 5% against synchronization of the system
2. Inclusive of Freight and insurance
3. Power Warranty on (a) PV modules - Limited power warranty of 90% of the minimum peak power after 10 years of supply and 80% of minimum peak power after 25 years of supply
4. Inverters : 5 year warranty against manufacturing defects (from date of invoice)
5. 1 year Warranty: Remote monitoring system, SPD, contactors, MCCB, MCB against manufacturing defects (from date of invoice)
6. All other equipment: 3 year warranty against manufacturing defects (from date of invoice)

Thanking you,

Yours faithfully,

Hon. Secretary Vidyavardhaka Law College  
Mysore - 570 001

### INSTITUTIONS :

\* Vidyavardhaka High School @ : 2464886 \* Vidyavardhaka Law College @ : 2423231, 2426220 \* Vidyavardhaka First Grade College @ : 2422385  
\* Vidyavardhaka P. U. College @ : 2420334 \* Vidyavardhaka Industrial Training Centre @ : 2419192 \* K. Puttaswamy School @ : 2419193,  
\* Vidyavardhaka College of Engineering @ : 2419192 \* K. Puttaswamy P. U. College @ : 2419191 \* Vidyavardhaka Polytechnic @ : 2419190 \* Sri K. Puttaswamy First Grade College @ : 2415030

PTO



# Chamundeshwari Electricity Supply Corporation Limited

**CESC GSTN No: 29AACCC6636P1Z1**

Office of the Asst.Executive Engineer (EI), C.O&M Sub-division - Mysore Central Sub-Division

RR No.	Account Number	Bill No.	Billing Period	Bill date	Due Date	Disconnection Date
7304324186 (HT694)	4390588049	439050993379	30-09-2020 - 01-12-2020	01-12-2020	15-12-2020	
<b>Name &amp; Address:</b> SECRETARY VIDYA VARDAHA SANGHASHESHADRI IYER ROAD, Mysore KAR -570001		Type	Educational Institutions - HT2C	Wheeling Energy	0	
		Tariff	3HT2C2	High Cost Energy		
		Contract Demand(KVA)	100	Special Energy		
		85% of CD (KVA)	85	Base Consumption		
		Recorded Demand (KVA)	28	Power Cut		
		Billing Demand (KVA)	85	Energy Entitlement Demand Entitlement		

Meter Readings for Meter Id: 7892720090					
Description	Date	KWH Meter	KVAH Meter	MD meter	PF
Present Reading	01-12-2020	21.389	29.299	0557	0.71
Previous Reading	30-09-2020	.218	.275		
Difference		21.171	29.024	0557	
Meter Constant		500	500	500	
Consumption		10585.5	14512	27.85	
Less/Add: Consumption		0	0		
Net Consumption		10585.5	14512	27.85	0.71

TOD meter readings for meter ID 7892720090					
Time Zone	Name of the Zone	Present Readings	Previous Readings	Consumption	MD Reading
06:00 Hrs to 10:00 Hrs	Morning Peak	0	0	0	0
10:00 Hrs to 18:00 Hrs	Normal	0	0	0	0
18:00 Hrs to 22:00 Hrs	On Peak	0	0	0	0
22:00 Hrs to 06:00 Hrs	Off Peak	0	0	0	0

Your Detailed Bill		Amount (Rs.)
<b>Description:</b>		
Demand Charges: 85.00 KVA at Rs220.00 per kVA (for 31 of 30 days)		19,323.33
Energy Charges: First 5,208.74 kWh at Rs8.05 per kWh (for 31 of 30 days)		41,930.36
Fuel Cost Adjustment Charges: 5,208.74 KWH at Rs0.10 per KWH		520.87
Demand Charges: 85.00 KVA at Rs210.00 per kVA (for 32 of 30 days)		19,040.00
Energy Charges: First 5,376.76 kWh at Rs7.80 per kWh (for 32 of 30 days)		41,938.73
Fuel Cost Adjustment Charges: 5,376.76 KWH at Rs0.10 per KWH		537.68
Interest on Revenue		0.00
Interest on Tax		0.00
Tax		7548.22
<b>Current Bill Amount</b>		<b>130839.19</b>
Arrears		0.00
Bill Correction		0.00
Bill rounding adjustment		-0.19
<b>Net Payable Amount</b>		<b>130839.00</b>
Rupees One Lakh Thirty Thousand Eight Hundred Thirty-Nine Only		
Sd/-		



## Chamundeshwari Electricity Supply Corporation Limited

Office of the Asst.Executive Engineer (EI), C.O&M Sub-division - Mysore Central Sub-Division

RR No.	Billing Period	Due Date	Disconnection Date	Bill No.	Account Number	Amount payable
7304324186 (HT694)	30-09-2020 - 01-12-2020	15-12-2020		439050993379	4390588049	Rs.130839.00
Name of the Bank	Branch	Cheque/DD No.	Cheque/DD Date	Amount (Rs.)	Amount in Rupees	
*4390588049*		Receipt No.	Date	Cashier Signature		

AEE CESC CENTRAL ZONE

*Handwritten initials/signature*

*Handwritten signature and stamp*  
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 ಮೈಸೂರು - 570 001

Ch.No. 260762  
 dtd - 10/12/2020  
 ₹ - 1,30,839/-

*Handwritten signature*  
**PRINCIPAL**  
 Vidyavardhaka Law College  
 Mysore - 570 004

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CESCOM, MANDIMQHOLLA

Receipt No : 1110200349698  
Pay Mode : Cheque  
Pay Date : 16/12/2020 11:39:38 AM  
Pay Type : Bill  
RR No : HT694  
A/c ID : 4390588049  
Name : SECRETARY  
Paid Amount : Rs.130839

(One lakh Thirty thousand Eight hundred  
Thirty Nine Only)

Sec Key : uyQJ7  
Cheque No : 260762  
Cheque Date : 10/12/2020  
Bank Name : BANK OF BARODA  
Drawn By : Operator

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THANKS FOR USING ATP KIOSK (EASYPAY)  
DESIGNED & DEVELOPED BY  
IDEA INFINITY IT SOLUTIONS PVT LTD

  
**PRINCIPAL**  
Vidyavardhaka Law College  
Mysore - 570 001

30 KVA



# Cummins Field Service Report



SINGLE POINT CONTACT  
ONLINE CALL REGISTRATIONS

Ph: 0821-2496290

e-mail:

customercaremysore@maniranjan.com

\* Name of Dealership : Maniranjan Diesel Sales & Service Pvt. Ltd., \* FSR No.

\* Date : 07-04-21

Customer Name : <b>Vidyavardaka Sangha</b>		Address : <b>Mysore</b>	
Person Contacted : <b>Mr. Prakash</b>		Designation :	
E-Mail Id : <b>VV Sangha mysore@gmail.com</b>		Mobile No. : <b>9972687117</b>	S.R. No. :
Type of Service	Installation Inspection	NEPI/NGPI Conversion / Upgrade	Warranty Paid Service
		Courtesy	Campaign / TRP
			OEM Service
			AMC / SPSC / O & M
			BIS
* ESN : <b>161196852</b>	* Gen/Equip Model : <b>PTI44L1</b>	Failed at Hours :	Cumulative Hours : <b>389</b>
* GSN :	Equip Sr. No. <b>G16K463583</b>	Avg. Monthly Runing Hrs.:	Last B Check done at HMR :
Eng. Model : <b>X2-7TAA</b>	OEM : <b>POWERICA</b>	*Fault Code(s):	MTTR Failure Code :
DG Set : <b>AMF / Manual</b>	* Controller Type : <b>RSD50D</b>	Brand and Grade of Lube Oil used : <b>VLL PB 15 W 40 CI4T</b>	

**Engine Performance Parameters**

Low idle RPM	-	Lube Oil pressure	-	Customer's Complaint / Input	Date (dd/mm/yy)	Time
High idle RPM	<b>1500</b>	Lube Oil pressure	<b>460 kpa</b>	Failure Date and time	<b>07-04-21</b>	
Full Load RPM	-	Lube Oil pressure	-	Complaint Received on		
Coolant Temp	HT <b>42</b> °C LT °C	Lube Oil Temp	- °C	Service Required Date & time		
Battery Make : <b>Pulse</b>	Battery Voltage	<b>12.8</b> VDC	Service Representative Deputed on			
Parameters for Generator Set		Parameters for Other applications		Service Representative Reached at Site		
Voltage (AC)	<b>415</b> Volts	Drilling Speed	RPM	Diagnosis Completed on		
Current (AC)	- Amp	Stall Speed	RPM	Required Materials Recovered on		
Frequency	<b>50</b> Hz	Gear Speed	RPM	Commissioning Date & time	<b>07-04-21</b>	
Load	- kW	Problem Pertains To : Intake / Exhaust / Fuel / Cooling / Electrical / Lube Oil / Others				
Power Factor	-					

Customer Complaint : **PM Visit.**

**Inspection/Observation & Work Done in Brief :**

- \* Checked engine oil level & water level found ok.
- \* Checked engine wiring connection & hoses & clamp tightness found ok
- \* Checked fan belt condition & vaccum indicator & cleaned air filter & started the engine check for leakages

**Problem Resolution / Solution :**

found no leakage performance of the engine found satisfactory

**Recommendation/Suggestion (Use overleaf format for component requirements) and any other Discrepancies Observed :**

B maintainance need to be carried & Ant need to be replace & Air filter need to be replace immediately.

Service Representative's Name : <b>Shadab</b>	Problem Status : Open / <input checked="" type="checkbox"/> Close	Responsibility (If Status is Open) : Customer / Cummins Network	
	Customer's Remarks (For escalation, use hierarchy given overleaf) :		
*ID No. <b>190911783 CAC</b>	Customer's Experience :		
* Pro ID No. :	<input type="checkbox"/> Delighted	<input type="checkbox"/> Satisfied	<input checked="" type="checkbox"/> Average
Date <b>07/04</b> Signature :	Customer's Name : <b>V. Prabhakar</b>	Signature :	Date : <b>7/4/21</b>

F : 8004:10002:02  
Distribution : Customer / AO / Dealer

Our Goal : Zero Engine Down

\*marked fields are mandatory

**PRINCIPAL**  
**Vidyavardhaka Law College**  
Mysore - 570 001

Name of Dealership : Maniranjn Diesel Sales & Service Pvt. Ltd., \* FSR No. \* Date : 7-04-21

Customer Name : Vidyavardhaka Sangha Address : Mysore

Person Contacted : Mr. Prakash Designation :

Mail Id : vsanghamysore@gmail.com Mobile No. 9972687117 S.R. No. :

Type of Service	Installation	NEPI/MGPI	Warranty	Courtesy	Campaign/TRP	OEM Service	AMC/SPSC/O & M	BIS
	Inspection	Conversion / Upgrade	Paid Service	Policy Warranty	Others			

ESN : 160788768 \* Gen/Equip Model : PTI44L1 Failed at Hours : Cumulative Hours : 412

BSN : - Equip Sr. No. G1166289227 Avg. Monthly Runing Hrs.: Last B Check done at HMR :

Eng. Model : X2-7TAA OEM : POWERICA \*Fault Code(s): MTTR Failure Code :

CG Set : AMF / Manual \* Controller Type : PSD5DD Brand and Grade of Lube Oil used : VCI PB 15W 40

Engine Performance Parameters Type of Coolant Used : DCA2 / DCA4 / EG / PG / OTHER  
Coolant Concentration Level : Coolant pH :

Low idle RPM	<u>-</u>	Lube Oil pressure	<u>-</u>	Customer's Complaint / Input	Date (dd/mm/yy)	Time
High idle RPM	<u>1500</u>	Lube Oil pressure	<u>450kpa</u>	Failure Date and time	<u>7-04-21</u>	
Full Load RPM		Lube Oil pressure		Complaint Received on		
Coolant Temp	HT <u>44</u> °C LT <u>44</u> °C	Lube Oil Temp	°C	Service Required Date & time		
Battery Make : <u>Pulse</u>	Battery Voltage	<u>12.8VDC</u>		Service Representative Deputed on		
Parameters for Generator Set	Parameters for Other applications	Service Representative Reached at Site				
Voltage (AC)	<u>415</u> Volts	Drilling Speed	<u>-</u> RPM	Diagnosis Completed on		
Current (AC)	<u>-</u> Amp	Stall Speed	<u>-</u> RPM	Required Materials Recovered on		
Frequency	<u>50</u> Hz	Gear Speed	<u>-</u> RPM	Commissioning Date & time	<u>7-4-21</u>	
Power Factor	<u>-</u> kW	Problem Pertains To : Intake / Exhaust / Fuel / Cooling / Electrical / Lube Oil / Others				

Customer Complaint : PM Visit

Inspection/Observation & Work Done in Brief :  
Checked engine oil level & water level found ok & checked engine wiring connection & hoses & clamp tightness found ok and started the engine check for leakages found no leakage.

Problem Resolution / Solution :  
And the performance of the engine found satisfactory

Recommendation/Suggestion (Use overleaf format for component requirements) and any other Discrepancies Observed :  
3 maintenance need to be carried Air filter need to be replace & Coolant need to be replaced immediately

Service Representative's Name : Shadab  
Problem Status : Open  Close Responsibility (If Status is Open) : Customer / Cummins Network  
Customer's Remarks (For escalation, use hierarchy given overleaf) :

ID No. : 1909117831A Customer's Experience :  
 Delighted  Satisfied  Average  Dis-Satisfied

Date : 07/04 Signature : [Signature] Customer's Name : Vidyavardhaka Signature : [Signature] Date : 7/4/2021

8004:10002:02 Distribution : Customer / AO / Dealer Our Goal : Zero Engine Down

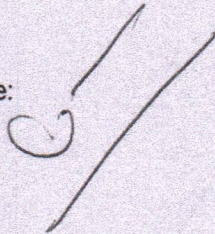
Bank Payment Voucher

No. : 86


Dated : 5-Feb-2020

Particulars	Amount
Account : ORB Energy Pvt. LTD	15,00,000.00
Through : Vijaya Bank 181900541000002	
On Account of : 50% advance payment towards supply of multi crystalline system to city VV campus	
Amount (in words) : Indian Rupees Fifteen Lakh Only	
	Ind ₹ 15,00,000.00

Receiver's Signature:



Authorised Signatory

Ac Payee  विजया बँक  
VIJAYA BANK

मैसूरु विद्यावर्धक कॉलेज शाखा, कर्नाटक - 570002  
MYSORE VIDYAVARDHAKA COLLEGE BRANCH, KARNATAKA - 570002  
IFSC : VIJB0001819

"Valid for three months only from the date of issue"

5-Feb-2020  
D D M M Y Y Y Y

ORB Energy Pvt Ltd  
Pay

या धारक को or Bearer

रुपये Rupees Fifteen Lakh Only

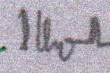
अदा करें ₹ \*\*15,00,000.00

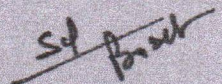
A/c. No. 181900541000002-

for Vidyavardhaka Sangha

"Payable at all our branches for transfer and clearing"

14

  
PRINCIPAL  
Vidyavardhaka Law College  
Mysore



Please sign above

⑈ 384724 ⑈ 000029000⑈ 181900541000002⑈



**Tax Invoice**

Invoice Number 1920101490	Invoice Date 21-March-2020	Order Number 19400255	Customer Reference 19400255-Vidyavardhaka Law College
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Shipping From Address :

**Orb Energy Private Limited**  
35 Digital Park Road, 2nd Stage  
Yeshawanthapura, Bengaluru, 560022  
Karnataka, India  
GSTN No:29AAACO8596J1ZO

Billing and Shipping Address

**Vidyavardhaka Law College, Sheshadri Iyer Road, Medar  
Block, Yadavagiri, Mysuru - 570004, M - 9448053508**

Invoice Number : 1920101490  
Invoice Date : 21-Mar-2020  
PO Reference : 19400255  
Branch : Mysuru  
Ship to State : Karnataka  
Payment Terms : As per terms of purchase order

Email customercare@orbenergy.com

GST Registration Number :

Sno	Item Code / Product Description	HSN / SAC Code	Quantity	UOM	Unit Price [INR]	Before Discount [INR]	Discount [INR]	Taxable Value [INR]	CGST [INR]		SGST [INR]		IGST [INR]		Total Value [INR]		
									Rate	Amount	Rate	Amount	Rate	Amount			
1	FreeTxt SL80K06463-P2 / Solectric 80kWp with 50kVA,30kVA - GT FI 2nd part of Solar Power Generating System 80kWp	85 41X	1.00	Nos	850000.00	850,000.00	0.00	850,000.00							624750.00		
						70% on Taxable Value		595,000.00	2.5	14875.00	2.5	14875.00					
						30% on Taxable Value		255,000.00	9.0	22950.00	9.0	22950.00			300900.00		
						<b>Total Amount [INR]</b>		<b>850000.00</b>		<b>0.00</b>		<b>850000.00</b>		<b>37,825.00</b>	<b>37,825.00</b>	<b>0.00</b>	<b>925,650.00</b>

Whether the tax is payable on Reverse Charge basis: [No]

Amount In Words : (INR) Nine lakhs Twenty-Five Thousand Six Hundred Fifty only

Invoice Total [INR] 925,650.00

Declaration: Orb Energy Private Limited retains legal title to all emission reduction rights associated with the installation and use of the company's product and services. We declare that this document shows the actual price of the goods declared and that all the particulars are true and correct.

For Orb Energy Private Limited

I hereby confirm that I have received the materials against this invoice in good condition, and I agree to the above terms and conditions.

Authorized Signatory

PRINCIPAL

Vidyavardhaka Law College  
Mysuru - 570 001

Orb Energy Private Limited, 95 Digital Park Road, 2nd Stage, Yeshawanthapura, Bengaluru 560022, Karnataka, India  
Tel: +91 80 67711300 Web: www.orbenergy.com CIN: U31909KA2006PTC040346, IEC No:0706016202

ANPoo





# Tax Invoice

Invoice Number 1920101373	Invoice Date 27-February,2020	Order Number 19400255	Customer Reference 19400255-Vidyavardhaka Law College
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Shipping From Address :

**Orb Energy Private Limited**  
95 Digital Park Road, 2nd Stage  
Yeshawanthapura, Bengaluru, 560022  
Karnataka, India  
GSTN No.29AAACO8596J1ZO

Billing and Shipping Address

**Vidyavardhaka Law College, Sheshadri Iyer Road, Medar  
Block, Yadavagiri, Mysuru - 570004, M - 9448053508**

Invoice Number : 1920101373  
Invoice Date : 27-Feb-2020  
PO Reference : 19400255  
Branch : Mysuru  
Ship to State : Karnataka  
Payment Terms : As per terms of purchase order

Email: [customercare@orbenergy.com](mailto:customercare@orbenergy.com)

GST Registration Number :

Sno	Item Code / Product Description	HSN / SAC Code	Quantity	UOM	Unit Price [INR]	Before Discount [INR]	Discount [INR]	Taxable Value [INR]	CGST [INR]		SGST [INR]		IGST [INR]		Total Value [INR]	
									Rate	Amount	Rate	Amount	Rate	Amount		
1	FreeTxt SLB0K06463-P1 / Solectric 80kWp with 50kVA,30kVA - GT Fit 1st part of Solar Power Generating System 80kWp	85.41X	1.00	Nos	2200000.00	2,200,000.00	0.00	2,200,000.00								
								70% on Taxable Value	1,540,000.00	2.5	38500.00	2.5	38500.00			1617000.00
								30% on Taxable Value	660,000.00	9.0	59400.00	9.0	59400.00			778800.00

Whether the tax is payable on Reverse Charge basis [No]

Total Amount [INR] 2200000.00 0.00 2200000.00 97,900.00 97,900.00 0.00 2,395,800.00

Amount in Words : (INR) Twenty-Three lakhs Ninety-Five Thousand Eight Hundred and Zero PIsa only

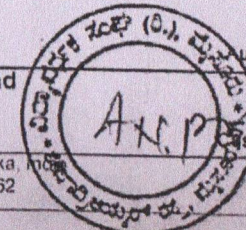
Invoice Total [INR] 2,395,800.00

Declaration: Orb Energy Private Limited retains legal title to all emission reduction rights associated with the installation and use of the company's product and services. We declare that this document shows the actual price of the goods declared and that all the particulars are true and correct.

For Orb Energy Private Limited

I hereby confirm that I have received the materials against this invoice in good condition, and I agree to the above terms and conditions.

Orb Energy Private Limited, 95 Digital Park Road, 2nd Stage, Yeshawanthapura, Bengaluru 560022, Karnataka, India  
Tel: +91 80 67711300 Web: [www.orbenergy.com](http://www.orbenergy.com) CIN: U31909KA2006PTC040346, IEC No:0706016262



Authorized Signatory

Customer's Signature

ಪಾಂಚಿಪಾಲರು  
ಕಾನೂನು ಕಾಲೇಜು  
ಮೈಸೂರು

23/20

Page 1 of 1