R Coogle

Kalapet, Puducherry, India 2VM5+GFP, Pondicherry University, Kalapet, Puducherry 605014, India Lat 12.03471° Long 79.859481° 06/09/24 01:05 PM GMT +05:30

💽 GPS Map Camera

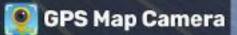


💽 GPS Map Camera

Kalapet, Puducherry, India 2VM5+8HR, Pondicherry University, Kalapet, Puducherry 605014, India Lat 12.033259° Long 79.858738° 06/09/24 12:22 PM GMT +05:30

Google

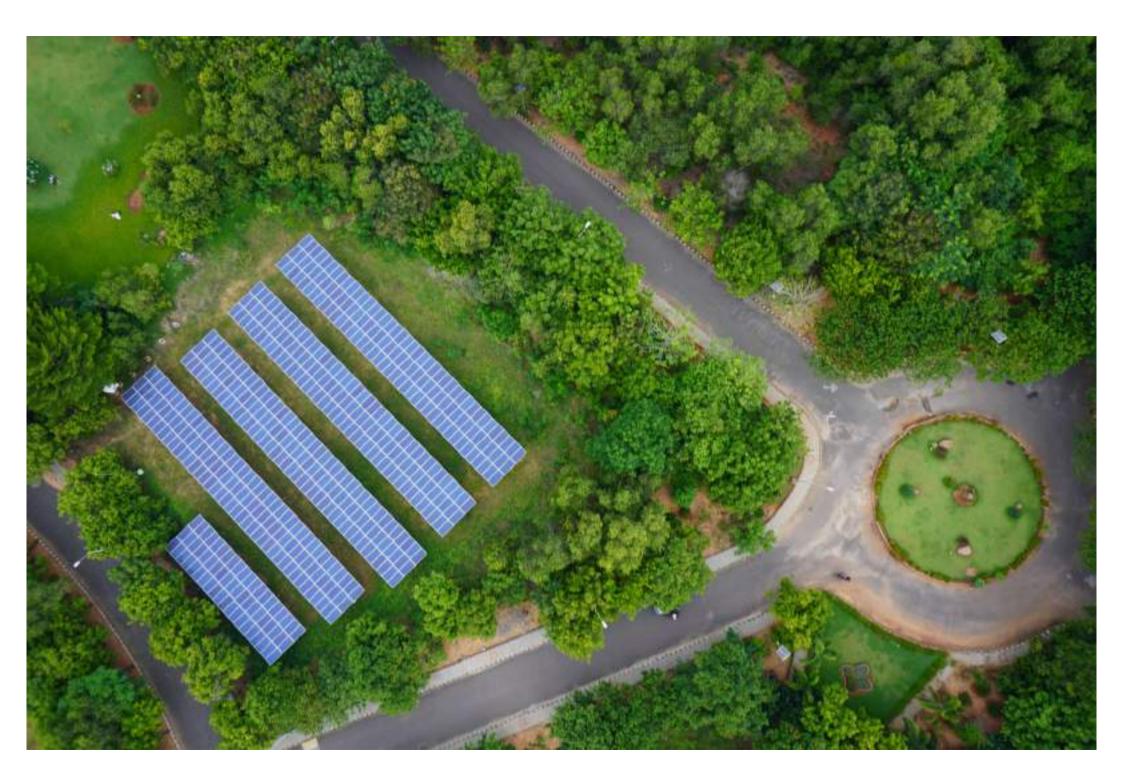




Google

Kalapet, Puducherry, India 2VM5+8HR, Pondicherry University, Kalapet, Puducherry 605014, India Lat 12.033119° Long 79.85875° 06/09/24 12:22 PM GMT +05:30















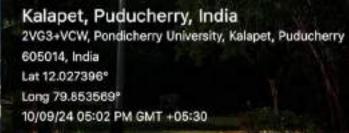


GPS Map Camera

Kalapet, Puducherry, India 2VG3+VCW, Pondicherry University, Kalapet, Puducherry 605014, India Lat 12.027441° Long 79.853614° 10/09/24 05:02 PM GMT +05:30

Google

GPS Map Camera



Google

📓 GPS Map Camera



Kalapet, Puducherry, India 2RFW+4Q3, Pondicherry University, Kalapet, Puducherry 605014, India Lat 12.023097° Long 79.846834° 10/09/24 04:27 PM GMT +05:30

📓 GPS Map Camera



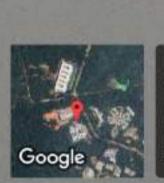
Kalapet, Puducherry, India 2RFW+4Q3, Pondicherry University, Kalapet, Puducherry 605014, India Lat 12.023097° Long 79.846834° 10/09/24 04:26 PM GMT +05:30

174

🖬 GPS Map Camera

Kalapet, Puducherry, India 2RFW+4Q3, Pondicherry University, Kalapet, Puducherry 605014, India Lat 12.023064* Long 79.846801° 10/09/24 04:25 PM GMT +05:30

Google



5

📓 GPS Map Camera

Kalapet, Puducherry, India 2RFW+4Q3, Pondicherry University, Kalapet, Puducherry 605014, India Lat 12.023452° Long 79.846808° 10/09/24 04:24 PM GMT +05:30



Global Germany Spain France USA

pv magazine

Ness - Fellores - Events - Anners Primavine primarameters Annet - Americe

Pondicherry University gets a 2.4 MW solar plant

The rooftop solar plant, commissioned by Amp Energy India, will supply about 40% of the university's energy requirement and help offset around 2,500 tons of carbon emissions every year.

SEPTEMBER 16, 2021 UMA GUPTA

COMPROM & NO STRIE N. BOLFOPSLAR RELEASED



Solar plant at Pondlcherry University Amp Energy India

Newsletter

Nexico Latin America

in

By subscribing to our newsletter you'll, be eligible for a 10% discount on magazine subscriptions!

Australia

Susscriptions

China

a

Email, *

Select Edition(s) *

Hold Dril or Cmd to select multiple editions.



Fead our Data Protection Pality.



Subscribe to our global magazine



Vice President Inaugurates Solar Power Plant At Pondicherry University

[7] By India Education Diary... — On Sep 13, 2021



New Delhi: The Vice President, Shri M. Venkaiah Naidu today called upon states to promote the setting up of manufacturing plants for solar PV cells and modules to accelerate their production in India.

Observing that India still relies heavily on imported components such as solar cells and modules, he stressed the importance of 'Atma Nirbharta' in solar energy through active participation of the states. He also called for encouraging small players in the industry in this regard.

Noting that India's potential for growth in the renewable energy sector over the next few years. Shri Naidu said that the lack of a trained force is a bottleneck in our exponential growth in the sector. He suggested investing in training and upskilling the workforce in adopting the latest technologies and cited the instance of the scheme of 'Surya Mitras'.

Inaugurating a 2.4 Megawatt capacity solar power plant at Pondicherry University in the Union Territory of Puducherry, he expressed his concern over climate change and its impact. Shri Naidu emphasised that green energies such as solar, wind and small hydro offer a viable alternative to meet our growing energy needs.

Observing that India was fast becoming a global leader in 'energy transition', he noted that with over 40 Gigawatts of installed solar capacity, India is ranked fifth globally in solar power capacity.



He asks varsities to take up research on renewable energy

Vice-President Venkaiah Naidu on Monday said green energies offered a viable alternative to meet the growing needs of the country while being sustainable in the long run.

Dedicating to the nation the 2.4 MW rooftop solar power plant commissioned in Pondicherry University, Mr. Naidu said that solar energy in particular had shown the most promise in recent years. This preference for solar plants and solar energy among institutions and people was a very good and welcome sign.

Referring to the Inter-governmental Panel on Climate Change (IPCC) report, he said it cautioned about the rise in global temperature exceeding 1.5 degrees celsius. "Climate change is not a futuristic phenomenon and we are already experiencing it. The next few years are going to be very crucial for our collective action to mitigate climate change," he said.

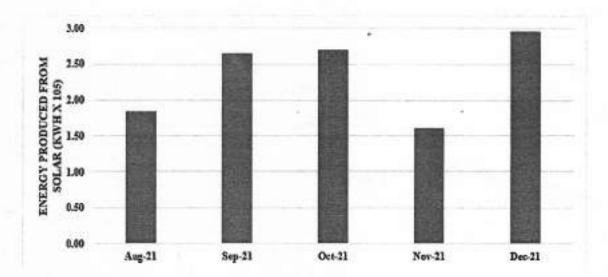
Noting that India was endowed with vast solar potential, the Vice-President said the National Institute of Solar Energy (NISE) had assessed the country's solar potential to be about 748 GW, assuming 3% of the wasteland area to be covered by solar PV modules. This was a great opportunity waiting to be explored to provide reliable electricity to our remote areas, to reduce carbon emissions and to achieve energy security.

पांडिच्चेरीविश्वविद्यालय/PONDICHERRY UNIVERSITY विद्युत स्कंध/ELECTRICAL WING



वी.मुरुगवेलु/V. MOUROUGAVELOU सहायक अभियंता/Assistant Engineer आर.वी.नगर/R.V.NAGAR,कालापेट/KALAPET पुदुच्चेरी/PUDUCHERRY-605 014

The Solar Power produced at Pondicherry University Main Campus for August 2021-Dec 2021 from the installed 2.4 MWh rooftop solar power plant.



Total Energy production from Solar in kWh from August 2021 to December 2021 = 1175006.78 (4231 Gigajoules)

Remarks:

The installed solar power is one of the largest affordable and clean energy generations in an educational institution in India.

The rooftop solar plant caters to nearly 15% of the university's energy requirement (compared with Pre-COVID level energy consumption) and helps offset 2,900 tons of carbon emission annually on average.

There is a provision that the excess/unutilized power during summer/winter holidays can be sent to the Pondicherry grid for the Pondicherry union territory use.

Thanking you

Yours faithfully

(V. Mourougevelou) win ASSISTANT ENGINEER (ELECT.) PONDICHERRY UNIVERSITY R.Venkataraman Nagar, Kalapet Puducherry - 605 014.



Madanjeet School of Green Energy Technologies, Pondicherry University, Puducherry

Location	:	Pondicherry University, Puducherry
Site Area	:	12248 m ²
Built up Area	:	4728 m ²
Air-conditioned Area	:	2414 m ²
Non Air-conditioned Area	:	2314 m ²
Typology	:	Institutional
Energy consumption reduction	:	85.88 kWh/ m²/yr (38.65% reduction in energy consumption compared to GRIHA benchmark)
Renewable Energy	:	Rated capacity of solar PV installed is 15 kWp
GRIHA provisional rating	:	3 Stars
Year of Completion	:	2015

The following strategies were adopted to reduce the building impact on the natural environment:

Sustainable Site Planning:

- · Excavated top soil was reused within the Pondicherry University campus.
- Total 132 trees were cut, 62 were protected and 16 were transplanted out of 210 existing trees. Compensatory
 plantation was done in more than 1:4 ratio, by planting 660 new trees within the Pondicherry University boundary.
- Sitting areas for students were created underneath the existing preserved trees.

Water management:

- Reduction of 51.34% from the GRIHA base case has been demonstrated in building water use by installing water efficient flush and flow fixtures.
- Reduction of 30% from the GRIHA base case has been demonstrated in landscape water demand through use of
 efficient landscape methodologies and native plant species.

Energy Optimization:

- Energy Performance Index has been reduced by 38.65% compared to GRIHA benchmark.
- 15 kWp solar PV panels have been installed in the project which meets 54% of interior lighting requirement.
- For achieving visual comfort:
 - » Energy efficient artificial lighting including sensors was installed as per ECBC norms.
 - » 53.63% of the habitable spaces are day lit and meet the daylight factors as prescribed by the National Building Code of India.
- For achieving visual comfort:
 - » Double glazed windows with a Solar Heat Gain Coefficient of 0.25; cavity wall and roof insulation were installed as a part of building envelope.

Sustainable building materials:

- Fly-ash bricks containing 40% fly-ash content by volume have been used in the interior and exterior walls.
- 30% of cement was replaced with fly-ash by weight in the structural concrete.
- Pozzolana Portland Cement indicating use of 30% fly-ash content by weight has been used in plaster and masonry mortar.
- · Granite stone and vitrified tiles were used as flooring material in the building.

Integrated Design Team:

Client : Pondicherry University, Puducherry Project Coordinator : Mukesh & Associates. Salem Principal Architect : Mukesh & Associates. Salem Landscape Architect : Mukesh & Associates. Salem Project Management Consultant : Rites Ltd., Gurgaon Structural Consultant : Mukesh & Associates, Salem Electrical Consultant : Mukesh & Associates. Salem Green Building Design and Certification : Mukesh & Associates. Salem



GREEN RATING FOR INTEGRATED HABITAT ASSESSMENT

Madanjut School of Green Every Jechnology Pondicherry University, Filducherry has been provisionally certified with a

'Three Star'

rating under

GRIHA

XXX

An initiative of Ministry of New and Renewable Energy Gavenment of India and The Energy and Resources Institute

Chief Executive Offices

GRITEA Council

日前北京

Date of Josue: Stu Del 2017

PONDICHERRY UNIVERSITY ELECTRICAL WING

AGREEMENT

No.	PU/ELW/EMS /20-21/@)	Dt: 24.11.2020
1.	NAME OF WORK	"Supply, Installation, Testing and Commissioning of Energy Management Systems in all the buildings at Pondicherry University Campus".
2.	NAME OF THE AGENCY	: M/s. FOX Solutions Private Limited , M-9, MIDC Area, Ambad, Nashik – 422010, Maharashtra, India.
3.	ESTIMATED COST	: Rs.21,24,629/-
4,	TENDERED AMOUNT	: Rs.17,99,580/-
5.	PERCENTAGE OF TENDER	: (-)15% Below
6.	TIME ALLOWED	: Two Months
7.	DATE OF COMMENCEMENT	[:] 10 December 2020
8.	DATE OF COMPLETION	: 10 February 2021
9.	ACTUAL DATE OF COMPLETION	·
10.	EXTENSION OF TIME GRANTED IF ANY	3
п.	STIPULATION OF MATERIALS	: NIL
12.	PLACE OF DELIVERY	: NIL
F3.	CLAUSE 12 DEVIATION LIMIT	: 30%
- 14.	EARNEST MONEY DEPOSIT	: Rs.42,500/-
15.	SECURITY DEPOSIT (5%)	: Rs.90,000/-
.116.	PERFORMANCE CUARANTEE (5%)	: Rs.90,000/-

This agreement contains _____ pages which are serially hand numbered

UTIOA

NASHIN

CONTRACTOR

X-h

Babitums

REGISTEAR 1/40 PONDICHERKY UNIVERSITY PUDUCHERRY - 605 014.

Type: Ministry Departr Organis Office 2 Finan	ment: Department of Higher Education	163	uyer Detail:		Gener	ated Date:16-I	Feb-202	1-0
Type: Ministry Departr Organis Office 2 Finan	Central Autonomous y: Ministry of Human Resource ment: Department of Higher Educat	163	unuar Datail					
Type: Ministry Departr Organis Office 2 Finan	Central Autonomous y: Ministry of Human Resource ment: Department of Higher Educat	163	uver Decas	s		-		
Ministry Departr Organis Office 2 Finan	y: Ministry of Human Resource ment: Department of Higher Educa		esignation:		ast Engineer			
Departs Organis Office 2 Finan	ment: Department of Higher Educa		ontact No.:		413-2654267-3	267		
Organis Office 2 Finan		22.11 Fit	mail ID:		e.electrical.pyr			
Office 2		N/L	ISTIN:		4AAAJP1298F	CASE IN THE REPORT OF		
Finan IFD Co			-STIPE	107		in Nagar Kalapet	Portiche	my 606014
IFD Co	Zone: South	A	ddress:			Y, PUDUCHERRY		
IFD Co	and the second				Ded.elle	Contraction of the second		
	ncial Approval Detail		aying Auth		Offine			
Design.	shoumende:	- 1967 Scott store	ayment Mode:		89700			
Designation of Administrative Approval: Registrar			esignation:		sst Engineer			
Designa	tation of Financial Approval:	1 - P 1000 (0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0	mail ID:		e.electrical.py	0.000 Million 2010 Million		
		G	ISTIN:		MAAAJP1298F	30T-303 - 00-40-00 28-018		
			ddreas:			en Negar Kalapot		
				F	Pondicherry, Pl	JDUCHERRY-60	5014, Indi	8
Compa Contac Email I Addres GSTIN *GS ¹ Prod	any Name: FUT ct No.: 0953 ID: Nuture ss: Sri C i verified: No a: CRA T / Tax invoice to be raised in the fluct Details m Description	e200001284445 URE ELECTRONICS 29322244 selectronics20@gmail.com JSE NO.133.POOJA COLONY Sanganagar, RAJASTHAN-335 BQPG6278F228 e name of - Consign Category Name	i001 <u>.</u> -		HSN Code	Ordered Quantity	Unit	Price (Inclusive of all Duties and Taxes In INR)
	duct Name : Crompton Greaves 20 Watt/2000	24						
1.	en 6500 K LED Tubelight	1.	_	-	HSN not			
1000	and : Crompton Greaves	Light Emitting Diode LED	crompton 2	ttew 0	specified by.	100	pieces	19,305
1.1	and Type : Registered Brand	Fbdure-LED tube light	dazzie ray		1000000000000	100	Proces	10,000
1.02.0	talogue Status : Catalogue not verified by	_	- CONTRACT		seller			
OE	M Iling As : CEM verified Reseller	-						
-	Inder Value (in INR)		-	1				19,306
	Miles							
Cont	signee Detail		_					
S.No	Consignee	Rem		Lot	Quantity	Delivery		ary To Be
0.110	Countiline			No.	-	Start After	Compl	eted By
	Designation: Asst Engineer	71						
	Email ID; ae.electrical.pyu@nic.in	44						
	Contact: 0413-2654267-267	~		1	1 1			
. 1	GSTIN: 34AAAJP1298F1Z5	Crompton Greaves 20 Watt/2	000 lumen *	L	100	16-Feb-2021	03-Mar	2021
1	Address: R. Venkataraman Negar Kelepet	6500 K LED Tubelight		1		JU-1 SU-LUE I		1000
1	Pondicherry 605014,	annessa a start a fairthe						
1	PONDICHERRY, PUDUCHERRY-805014.			1			1	
	india			L				
				1				
14142				1.50	Tubeliebt			
Proc	duct Specification for Crompton G	reaves 20 Watt/2000 lu	men 6500 K	LED	lupelight			

X				Contract			ntract No: GEI nerated Date:		
Type Mini Dep Orge	(A.)	an Resou Higher Ed	urce Development lucation	Buyer Designation Contact No. Email ID: GSTIN: Address:		Asst Engine 0413-26542 ac.electrical 34AAAJP12 R. Venkatan PONDICHEI	67-267 øyu@nic.in	et Pondic	heny 605014,
IFD Desi	ancial Approval Detail Concurrence: gnation of Administrative Approval: gnation of Financial Approval:		No Registrar Finance O	floer Email ID: GSTIN: Address:	de:	y Details Offline Asst Engined ae.electrical 34AAAJP125 R. Venkatara	ar pyu@nic.in	et Pondid	herry 605014,
Cont Email Addn MSM GSTI *GS	ess: E verified:	ed in t	ri Ganganagar, R/ es BAHEPG5122E1Z	il.com RKET,OLD DHAN MANDI, NJASTHAN-335001, - U	GANESH	TALKIZ ROAD		linit	Price (Inclusive of all Dutie:
Wa Bri Bri Cal	educt Name : Crompton Greaves 20 tt/2000 lumen 6500 K LED Tubelight and : Crompton Greaves and Type : Registered Brand talogue Status : Catalogue not fied by OEM ling As : OEM verified Reselier	125537777	mitting Diode inture- LED tube	LED BATTEN 20 WATT PLUS (LDSLRP20-CDL) CROMPTON		HSN not specified seller	Control Changer	pieces	and Taxes in INR) 17,444
ntat O	irder Value (in INR)							1	17,444
Con	signee Detail				1				
i.No	No Consignee Designation: Asst Engineer Email ID: ae.electrical.pyu@nic.in Contact: 0413-2654267-267 GSTIN: 34AAAJP1298F125 Address: R. Venkalaraman Nagar Kalapet Pondicherry 605014, PONDICHERRY, PUDUCHERRY-605014, India		Item Crompton Greaves 20 Watt/2000 lumen 6500 K LED Tubolight		Lot No.	Quantity	Delivery Start After 12-Apr-2021	Provide Contraction	ry To Be sted By 021

			Con	tract					
	GeM	Azadi Ka Amrit Mahotsav						GEMC-51168 ate: 24-Sep-	37739982202 2021
Oras	nisation	Details		Buyer Detai	ils				
Type: Ministr Depart	ry: tment: Isation Name	Central Autonomous Ministry of Human Re Department of Higher		Designation: Contact No.2 Email ID: GSTIN: Address:	Ad: 04 34 34		u@nic.in 25 in Nagar K	alapet Pendiche VRY-605014, In	
Fina	ncial Ann	roval Detail		Paying Auti	hority D	etails			
FD Co Design	incurrence: tation of Adm	inistrative Approval: Incial Approval	No Registrar Finance officer	Payment Mode: Designation: Email ID:	01 As 34 8.	line st Engineer electrical.py AAAJP1298F1 Venkstaram	25 In Neger K	alapat Pondichs 7-605014, India	
	er Details				_				
Comp Conta Imail Vddrei Vddrei	es: verified: Registration	number:	028F190000761113 SURVA HOME APPLACNE 09529322244 amulcool0070gms8.com 77 OLD GRAIN MARKET, Sri Ganganagar, RAJASTI Yes RJ1500018675 08AHER05122E12U	n DLD DHAN MANDI,GANESI	H TALKIZ I	ROAD NEAR	AKKAR MA	NDL	
GS	T / Tax in	voice to be raised	in the name of - Co	onsignee					
Prod	luct Deta		in the name of - Co Category Name	Model	, HSN Code			Lead Time(Days	of all Duties an
Prod Prod Pro Wat Bra Bra Cat	luct Deta Item duct Name c(2000 lume and 1 (Compo talogue Stat DEM	ills Description : Crempton Greaves 20 n 4500 K LED Tubelight on Greaves egistered Brand hus : Catalegue not verified		Model	, Code				(Inclusive of all Duties an Taxes in
Proc Pro Wat Bra Bra Cat by 1 Sel	luct Deta Item duct Name c(2000 lume and 1 (Compo talogue Stat DEM	ills Description : Crempton Gnaves 20 n 6500 K LED Tubelight on Greaves egistered Brand tus : Catalegue not verified M verified Reseller	Category Name		Code	Quantit	y Unit		(Inclusive of all Duties an Taxes in INR)
Proc Proc Wat Bra Cat by 1 Sel	luct Deta Item duct Name t/2005 kmm ad : Comps ad Stat OEM ling As : OII	ills Description : Crempton Greaves 20 n 6500 K LED Tubelight on Greaves egistered Brand hus : Catalegue not verified M verified Recolur n 1980	Category Name		Code	Quantit	y Unit		(Inclusive of all Duties an Taxes in INR)
Proc Proc Wat Bra Bra Cat Bra Cat by (See Con	luct Deta iter duct Name t/2009 luma et/2009 luma ind Compo ind Type : R talogue Stat OEM ling As : Off ing As : Off ing As : Off	ills Description : Crempton Greaves 20 n 6500 K LED Tubelight on Greaves egistered Brand hus : Catalegue nat verified M verified Recoller n 1980) etail	Category Name	Model	9405	a Quantit	y Unit	Time(Days	(Inclusive of all Duties and Taxes in INR)
Proc Proc Water Bra Bra Bra Bra Bra Bra Bra Bra Bra Br	Iuct Deta Iter duct Name tr/2000 luma ad (Crompo and Type : R rategue Stat OEM ling As (OI) inder Value () Signee Dr Consignation Email ID: en Consignation Email ID: en Contact 04 OSTIN: 34A Address R. Pendicherry	ills Description Crempton Greaves 20 n 4500 K LED Tubelight on Greaves egistered Brand hus : Catalogue not verified if verified Resolur n 1980 etail etail ee v.Aost Engineer selectrikal.pyu@nic.in 11-2054257-267 AdyP1298F125 Vericatarama Negar Kalap	Category Name	Model	, Codi 9405	Quantity	pieces	Time(Days	(Inclusive of all Duties and Taxes in INR) 17,940 17,940 17,940
Proc Brand Brand Cath By (Brand Cath By (Brand Cath Cath Cath Cath Cath Cath Cath Cath	Itter duct Deta itter duct Name tr/2009 human di Crompo and Type : R talogue Stat Ocea ing As : Ott ing As :	ills Description Crempton Greaves 20 n 6500 K LED Tubelight on Greaves egistered Brand hus : Catalogue nat verified H verified Recoller n INR) etail etail e taketineal.pyu@ric.in 13-265457-267 AdyP1298F125 Vericataraman Nagar Kalap y 605014, ikr, PUDUCHERRY-605014, 1	Category Name	Model CROMPTON & 20W LED BATTEN (LDLL29CDL)	Codi 9405	Quantity 200	pieces Delivery Start Aft	Time(Days	(Inclusive of all Duties and Taxes in INR) 17,940 17,940 17,940
Proc Proc Bra Bra Bra Bra Bra Bra Bra Bra Bra Bra	Itter duct Deta itter duct Name tr/2009 human di Crompo and Type : R talogue Stat Ocea ing As : Ott ing As :	ills Description Crempton Greaves 20 n 6500 K LED Tubelight on Greaves epistenel Brand hus : Catalegue nat verified H verified Resolur n IRR) etail etail a Asst Engineer selectincat.pyugnic.in 13-2654267-267 As/P1298F1225 Vericatureman Negar Kalap (605014,	Category Name	Model CROMPTON & 20W LED BATTEN (LDLL29CDL)	Codi 9405	Quantity 200	pieces Delivery Start Aft	Time(Days	(Inclusive of all Duties and Taxes in INR) 17,940 17,940 17,940
Proc Proc Bra Bra Bra Bra Bra Bra Bra Bra Bra Bra	Item Item Item Item Iduct Name (2000 Jume Ind Type : R Ing As : OD Inder Value (J Ing As : OD Inder Value (J Inder Value	ills Description Crempton Greaves 20 n 4500 K LED Tubelight on Greaves egistered Brand tus : Catalogue not verified W verified Resoluer n MRL etail ee tu Asst Engineer selectrical.psu@nic.in 13-2654257-267 AA(F1298F125 Vericatureman Negar Kalap (005014, iRY, PUDUCHERRY-605014, i	Category Name	Model CROMPTON & 20W LED BATTEN (LDLL20CDL) 0 Watt/2000 lumen k tt/2000 lumen 65	Codi 9405	Quantity 200	pieces Delivery Start Aft	Time(Days	(Inclusive of all Duties and Taxes in INR) 17.940 17.940 17.940 ery To Be leted By 2021

· Strange

Puducherry, Dt: 17 .02.2021

The Registrar, Pondicherry University, R.V. Nagar, Chinna Kalapet, Puducherry-605 014.

APLO

PU/Regr/No. 7033 Dt/ 18 /02 /20 gt

Sir.

To

Sub: Electricity Department - SE-O&M-PR - Tech - III - Setting up of grid connected roof top / ground mounted Solar PV Power Plant of capacity 2400KWp at Pondicherry University Campus, R.V. Nagar, Chinna Kalapet, Puducherry with HT service connection No. 152/HT-Others - Letter of Approval for Installation -Issued - Regarding.

Ref : Your Solar Net-Metering application dated Dec-2020

With reference to your application cited above, it is informed that grid connectivity to the proposed roof top / ground mounted Solar PV power plant of capacity 2400KWp at Pondicherry University Campus, R.V. Nagar, Chinna Kalapet, Puducherry-605 014 with HT service connection No. 152/HT-Others (CMD 3000 KVA) is technically feasible and you may proceed with installation of the plant, subject to the following conditions:-

- The erection of the plant should be completed within 180 days from the date of issue of this letter and intimated to the Assistant Engineer, Kalapet Sub-Division, with a copy to this office for inspection.
- (2) The Solar PV Power Plant shall comply with relevant standards specified by CEA/JERC/MNRE. The consumer shall abide by all the Codes and Regulations issued by the Hon'ble JERC to the extent applicable and in force from time to time.
- (3) The components and parts used in the power plant shall conform to the BIS or IEC or IEEE standards.
- (4) It shall be ensured that the relevant provisions of the CEA (Measures relating to Safety and Electricity supply), Regulations, 2010 and amendments thereof are adhered to.
- (5) The interconnection point of the Roof Top / Ground Mounted solar system with the consumer installations and the distribution system of the Department shall conform to the specifications, standards and provisions as provided in the CEA (Technical standards for connectivity of the Distributed Generation Resources) Regulation 2013.
- (6) An Energy meter Static type with automatic remote meter reading facility as per CEA (Installation and Operation of Meters) (Amendment) Regulations, 2019 for recording solar energy generated shall be provided at the point at which the solar energy is delivered to the main panels, at the generation side.
- (7) A manual four pole disconnect switch besides automatic disconnection to grid shall be provided to isolate the grid connection by the department personnel to carry out any maintenance. This switch should be locked by the department personnel.
- (8) A Contractor's Work Completion report along with Single line diagram of the installed Solar PV power plant, Safety Certificate for the installations shall be obtained from the Electrical Inspectorate and the test values of the installations shall be furnished on completion of installation in all respects.
- (9) Regarding the specification of HT Trivector Bidirectional meter and the unidirectional solar energy meter, you may contact the Assistant Engineer- HTM and the Assistant Engineer- Kalapet Sub-Division, for requisite details.

Yours faithfully,

Superintending Engineer-O&M Puducherry Region PONDICHERRY UNIVERSITY ELECTRICAL WING

V. MOUROUGAVELOU ASSISTANT ENGINEER (E) Ref: PU/ELW/21-22 R.V.NAGAR, KALAPET, <u>PUDUCHERRY - 14</u> Date: 06/09/2021

To The Executive Engineer-IV, Department of Electricity, Government of Pondicherry, Pondicherry 605 014.

Sir,

Sub: Net metering agreement submitted -Reg. -000-

This office put on records the cooperation extended by the Electricity Department towards energizing the net meter and its allied works in the University Campus. Since the net meter has been energized on 07/08/2021, two formally signed copies of the net metering agreement is enclosed herewith for signature of Electricity Department Authorized signatory and return a copy for our records & references.

Thanking You,

Yours faithfully,

HOAVELOU! (V. MOU a121

Encl: as above.





INDIA NON JUDICIAL Government of Puducherry

e-Stamp

सत्यमंद जयत

Certificate No.

Certificate Issued Date Account Reference Unique Doc. Reference Purchased by Description of Document Property Description Consideration Price (Rs.)

First Party Second Party Stamp Duty Paid By Stamp Duty Amount(Rs.)

IN-PY42838309919474S

- 20-Nov-2020 05:33 PM
- : SELFPRINT (PU)/ py-self/ PUDUCHERRY/ PY-PU
- : SUBIN-PYPY-SELF709129234828535
- : snikanth
- Article 5 Agreement or Memorandum of Agreement
- POWER PURCHASE AGREEMENT (PPA)
- 0 (Zero)
- AMP ENERGY DISTRIBUTED GENERATION PVT LTD
- : PONDICHERRY UNIVERSITY
- AMP ENERGY DISTRIBUTED GENERATION PVT LTD
- 100
 - (One Hundred only)



SELF PRINTED CERTIFICATE TO BE VERIFIED BY THE RECIPIENT

Please write or type below this line

AMENDMENT AGREEMENT

This Amendment Agreement No 1. (Amendment Agreement) is executed on 23rd day of November 020 at Puducherry Pondicherry University having its premises at R. Venkataraman Nagar, Kalapet, Puducherry - 605014,

Pondicherry University having its premises at R. Venkataraman Nagar, Kalapet, Publicherry - 005014, (hereinafter referred to as "Purchaser")

AND

Amp Energy Distributed Generation Private Limited (CIN No. U40106DL2019PTC353750), a company incorporated under the Companies Act, 2013 having its registered office at 309, 3rd Floor, Rectangle One, Behind Sheraton Hotel, Saket, New Delhi - 110017 (India) (hereinafter referred to as "Power Producer") which expression shall, unless repugnant to the meaning or context hereof, be deemed to include its successors and assigns).

The Purchaser and Power Producer are each individually referred to as a "Party" and collective as the

Stationy Alert

PONDICHERRY UNIVERSITY PUDUCHERRY - 605 014 3.3. The following table to replace the existing table under Schedule I of the PPA.;

Capacity and Area requirement	Original PPA	Amended PPA
Capacity	382 kWp (+/-10%)	499 kWp (+/-10%)
Module area	4,600 Sq. mtr. (PV system)	6,000 Sq. mtr. (PV system)
No of buildings	5	5
No of roofs	5	5
Capacity distribution	Science block 1 (Ecology, Env sci dept etc) Dept of Physics Marie Curie Research Scholars hostel Narmada hostel Sri Aurobindo Hostel (boys)	Science Block 1 (Ecology, Environment Science dept) Dept of Physics Dept of Earth Science Science Block 2 (Computer Science) Ground Mounted (part 1)

B. chinems

REGISTRAR(//d) PONDICHERRY UNIVERSITY PUDUCHERRY - 605 014.



З



INDIA NON JUDICIAL Government of Puducherry

e-Stamp

Eleania ala

Certificate No. Certificate Issued Date Account Reference Unique Doc. Reference Purchased by Description of Document Property Description Consideration Price (Rs.)

First Party Second Party Stamp Duty Paid By Stamp Duty Amount(Rs.)

IN-PY42837502333143S 20-Nov-2020 05:22 PM

- SELFPRINT (PU)/ py-self/ PUDUCHERRY/ PY-PU
- SUBIN-PYPY-SELF70911191405150S
- srikanth
- Article 5 Agreement or Memorandum of Agreement
- POWER PURCHASE AGREEMENT (PPA)
- : 0 (Zero)
 - AMP ENERGY DISTRIBUTED GENERATION PVT LTD
- PONDICHERRY UNIVERSITY
- AMP ENERGY DISTRIBUTED GENERATION PVT LTD
- : 100 (One Hundred only)

SELF PRINTED CERTIFICATE TO BE VERIFIED BY THE RECIPIENT

AMENDMENT AGREEMENT

...Please write or type below this line

This Amendment Agreement No 2. (Amendment Agreement) is executed on 25rd day of November, 2020 at Puducherry BETWEEN

Pondicherry University having its premises at R. Venkataraman Nagar, Kalapet, Puducherry - 605014, (hereinafter referred to as "Purchaser")

AND

Amp Energy Distributed Generation Private Limited (CIN No. U40106DL2019PTC353750), a company incorporated under the Companies Act, 2013 having its registered office at 309, 3rd Floor, Rectangle One, Behind Sheraton Hotel, Saket, New Delhi - 110017 (India) (hereinafter referred to as "Power Producer") which expression shall, unless repugnant to the meaning or context hereof, be deemed to include its successors and assigns).

The Purchaser and Power Producer are each individually referred to as a "Party" and collectively of

REGISTRAR(/d)

PUDUCHERRY - 605 014.

3.3. The following table to replace the existing table under Schedule I of the PPA.:

Capacity and Area requirement	Original PPA	Amended PPA
Capacity	234 kWp (+/-10%)	460 kWp (+/-10%)
Module area	2.808 Sq. mtr. (PV system)	5,520 Sq. mtr. (PV system)
No of buildings	3	5
No of roofs	3	5
Capacity distribution	Lecture Hall complex II Ananda Rangapillai Library School of Management	Dept of Biotechnology Lecture Hall Complex II School of Management Ananda Rangapillai Library Ground mounted (Part 2)

B. chinuns

REGISTRARIUM PONDICHERRY UNIVERSITY PUDUCHERRY - 605 014.



з



INDIA NON JUDICIAL Government of Puducherry

e-Stamp

Certificate No. IN Certificate Issued Date 20 Account Reference SI Unique Doc. Reference SI Purchased by SI Description of Document AI Property Description Processideration Price (Rs.) Consideration Price (Rs.) 0 First Party AI

First Party Second Party Stamp Duty Paid By Stamp Duty Amount(Rs.)

IN-PY42836594574730S 20-Nov-2020 05:10 PM

SELFPRINT (PU)/ py-self/ PUDUCHERRY/ PY-PU

SUBIN-PYPY-SELF70910196814067S

Srikanth

Article 5 Agreement or Memorandum of Agreement POWER PURCHASE AGREEMENT (PPA)

OWER PURCHASE AGREEMENT (P

(Zero)

AMP ENERGY DISTRIBUTED GENERATION PVT LTD

PONDICHERRY UNIVERSITY

AMP ENERGY DISTRIBUTED GENERATION PVT LTD

100 (One Hundred only)

SELF PRINTED CERTIFICATE TO BE VERIFIED BY THE RECIPIENT

--Please write or type below this line------

AMENDMENT AGREEMENT

This Amendment Agreement No 3. (Amendment Agreement) is executed on 23rd day of November 2020 at Puducherry BETWEEN

Pondicherry University having its premises at R. Venkataraman Nagar, Kalapet, Puducherry - 605014, (hereinafter referred to as "Purchaser")

AND

Amp Energy Distributed Generation Private Limited (CIN No. U40106DL2019PTC353750), a company incorporated under the Companies Act, 2013 having its registered office at 309, 3rd Floor, Rectangle One, Behind Sheraton Hotel, Saket, New Delhi - 110017 (India) (hereinafter referred to as "Power Producer") which expression shall, unless repugnant to the meaning or context hereof, be deemed to include its successors and assigns).

The Purchaser and Power Producer are each individually referred to as a "Party" and collectorely as the "Parties" B-Chinumo

PONDICHERRY UNIVERSITY PUDUCHERRY - 605 014



1

The following table to replace the existing table under Schedule I of the PPA.:
 4.

Capacity and Area Original PPA equirement		
363 kWp (+/-10%)	500 kWp (+/-10%)	
4,356 Sq. mtr. (PV system)	i) 6,000 Sq. mtr. (PV system)	
3	4	
3	4	
Dept of Electronic media School of Social Sciences School of Humanities School of Humanities		
	363 kWp (+/-10%) 4,356 Sq. mtr. (PV system) 3 3 Dept of Electronic media School of Social Sciences	

B. chinung_

REGISTRARI/A PONDICHERRY UNIVERSITY PUDUCHERRY - 605 014. and and a

Э



INDIA NON JUDICIAL Government of Puducherry

e-Stamp

सत्यमव जयत

Certificate No. Certificate Issued Date Account Reference Unique Doc. Reference Purchased by Description of Document Property Description Consideration Price (Rs.)

First Party Second Party Stamp Duty Paid By Stamp Duty Amount(Rs.)

IN-PY428359017562385 20-Nov-2020 04:58 PM

- SELFPRINT (PU)/ py-self/ PUDUCHERRY/ PY-PU
- SUBIN-PYPY-SELF70909417068984S
- Srikanth
 - Article 5 Agreement or Memorandum of Agreement
 - POWER PURCHASE AGREEMENT (PPA)
 - 0
 - (Zero) AMP ENERGY DISTRIBUTED GENERATION PVT LTD
- PONDICHERRY UNIVERSITY
- AMP ENERGY DISTRIBUTED GENERATION PVT LTD
- 100
- (One Hundred only)



SELF PRINTED CERTIFICATE TO BE VERIFIED BY THE RECIPIENT

Please write or type below this line

1

AMENDMENT AGREEMENT

This Amendment Agreement No 4. (Amendment Agreement) is executed on 25 day of November 2020 at BETWEEN

Pondicherry University having its premises at R. Venkataraman Nagar, Kalapet, Puducherry - 605014, (hereinafter referred to as "Purchaser")

AND .

Amp Energy Distributed Generation Private Limited (CIN No. U40106DL2019PTC353750), a company incorporated under the Companies Act, 2013 having its registered office at 309, 3rd Floor, Rectangle One, Behind Sheraton Hotel, Saket, New Delhi - 110017 (India) (hereinafter referred to as "Power Producer") which expression shall, unless repugnant to the meaning or context hereof, be deemed to include its successors and assigns).

The Purchaser and Power Producer are each individually referred to as a "Party" and collectively a the "Parties" 0.003 M

thes B. Chinamo

PONDICHERRY UNIVERSITY PUDUCHERRY - 605 014 3.3. The following table to replace the existing table under Schedule I of the PPA.:

Capacity and Area requirement	Original PPA	Amended PPA	
Capacity	401 kWp (+/-10%)	480 kWp (+/-10%)	
Module area	4,808 Sq. mtr. (PV system)	5,760 Sq. mtr. (PV system)	
No of buildings	1	5	
No of roofs	1	.5	
Capacity distribution	Ground Mounted	Mega Mess Dept of Electronic media Marie Curie Research Scholars Hostel Narmada Hostel (girls) Ground Mounted (Part 4)	

p. chinung

REGISTRARI/c) PONDICHERRY UNIVERSITY PUDUCHERRY - 605 014.

3



सत्यमंच जयत Certificate Issued Date

Purchased by Description of Document Property Description Consideration Price (Rs.)

First Party Second Party Stamp Duty Paid By Stamp Duty Amount(Rs.)

INDIA NON JUDICIAL Government of Puducherry

e-Stamp

IN-PY428793476186275

- 23-Nov-2020 01:15 PM
- SELFPRINT (PU)/ py-self/ PUDUCHERRY/ PY-PU
- SUBIN-PYPY-SELF709899868042695
- Stikanth
- Article 5 Agreement or Memorandum of Agreement
- POWER PURCHASE AGREEMENT (PPA)
- 0 (Zero)
- AMP ENERGY DISTRIBUTED GENERATION PVT LTD
- PONDICHERRY UNIVERSITY
- AMP ENERGY DISTRIBUTED GENERATION PVT LTD 100
 - (One Hundred only)

SELF PRINTED CERTIFICATE TO BE VERIFIED BY THE RECIPIENT

...Please write or type below this line

AMENDMENT AGREEMENT

This Amendment Agreement No 5. (Amendment Agreement) is executed on 23rd day of November 2020 at BETWEEN Puducherry

Pondicherry University having its premises at R. Venkataraman Nagar, Kalapet, Puducherry - 605014, (hereinafter referred to as "Purchaser")

AND

Amp Energy Distributed Generation Private Limited (CIN No. U40106DL2019PTC353750), a company incorporated under the Companies Act, 2013 having its registered office at 309, 3rd Floor, Rectangle One, Behind Sheraton Hotel, Saket, New Delhi - 110017 (India) (hereinafter referred to as "Power Producer") which expression shall, unless repugnant to the meaning or context hereof, be deemed to include its successors and assigns).

The Purchaser and Power Producer are each individually referred to as a "Party" and collection "Parties"

A. chinem Statutory Alert: REGISTRARWO

- PONDICHERRY, UNIVERS
- HOW THE REPUBLICHER RY USDS OT 2

3.3. The following table to replace the existing table under Schedule I of the PPA .:

Capacity and Area requirement	Original PPA	Amended PPA	
Capacity	350 kWp (+/-10%)	460 kWp (+/-10%)	
Module area 4,200 Sq. mtr. (PV system)		5,520 Sq. mtr. (PV system)	
No of buildings	1 3		
No of roofs 1		3	
Capacity distribution	Ground Mounted	Elevated structure (car shed) Elevated structure (car shed) Ground Mounted (Part 5)	

B. chinuns_

REGISTRAR(/4) PONDICHERRY UNIVERSITY PUDUCHERRY - 605 014.



On and Off-Grid Solar PV Plants, Solar Street Light, Solar thermal, biogas plants in Pondicherry University 2020-21

1. Solar photovoltaic installed in Pondicherry University UPDATED (Silver jubilee Campus of Pondicherry University, Green Energy Department, Centre for Bioinformatics, and Library Annexure)

S.No.	Location	Total Capacity	Date of Commissioning and Completed
	Silver jubilee Campus and selected buildings in the main campus	<u>2.4 MWp</u>	Dec 2020 in April 2021(Details in SDG 7.1a/b files)
1	UMISARC Building	8.5 KWp	Jan 2014 and active
2	Library Annexe	10 KWp	Jan 2014 and active
	Green Energy Building	10 KWp	April 2014 and active
	Centre forBioinformatics		
4		12KWp	April 2014 and active
5	Green Energy Building	5 KWp	July 2014 and active

2. Solar lighting systems in the campus pathway (Nos.162 lights) ~ 2.86KW

S.No	Location	Number of lightings	Capacity in KW	Year of Commissioning
1	Approach Roads in	30	0.33	2008 and active
1	the Campus	30	0.33	2010 and active
2	Silver Jubilee campus	72	1.87	
3	Bio-Informatic pathway	16	0.18	2014 and active
4	Green Building pathway	14	0.15	

Proof- images



Pondicherry University has installed a 2.4 MW rooftop solar power plant -one of the largest affordable and clean energy generation in an educational institution of India. Vice President M. Venkaiah Naidu has inaugurated the same at Pondicherry University on 13th September 2021



Installed solar photovoltaic in UMISARC building of Pondicherry University



Installed solar photovoltaic in Green Energy building of Pondicherry University



Installed solar photovoltaic street light in SilverJubilee Campus of Pondicherry

University



Installed solar water heaters in one of the Hostel building of Pondicherry University.





विद्युत स्कंध/ELECTRICAL WING

वी.मुरुगवेलु/V. MOUROUGAVELOU सहायक अभिवंता/Assistant Engineer आर.ची.नगर/R.V.NAGAR,कालापेट/KALAPET पुदुच्चेरी/PUDUCHERRY-605 014

Pondicherry University adheres to the Energy Efficiency Standards and taken several steps as listed below

- Pondicherry University has fitted LED motion-sensor lights in the all new existing buildings from June 2020 onwards.
- About 100 Nos of 250 W streetlights have been replaced with 90W energy-efficient lights in 2021
- Replaced with 8W/20W 4 feet LED energy efficient fitting -total numbers 460 and LED 7/9W pin type total numbers 131 for the year 2020-21
- Energy metering for each building of a total of 131 was fixed in 2021 for the energy audit, energy conservation, and efficiency to reduce energy use.
- Already 1630 tonne capacity energy efficient VRF Air Conditioning is working in 9 University campus buildings.
- It is proposed to install energy-efficient ACs, Fans, LEDs, and water pumps in the new building, -which is under construction.
- Tine-to-time awareness programs on energy conservation and efficiency have been provided on the campus through workshops, seminars, posters, and stickers.

Yours faithfully

(V. Mourou (uolaye ASSISTANT ENGINEER (ELECT.)

PONDICHERRY UNIVERSITY R.Venkataraman Nagar, Kalapet Puducherry - 605 014.

पांडिन्नेरीविश्वविद्यालय/PONDICHERRY UNIVERSITY

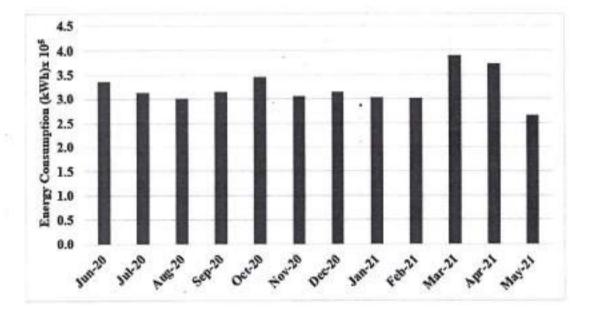


विद्युत स्कंध/ELECTRICAL WING

वी.मुहगवेल/V. MOUROUGAVELOU सहायक अभियंता/Assistant Engineer

आर.वी.नगर/R.V.NAGAR.कालापेट/KALAPET पुदुच्चेरी/PUDUCHERRY-605 014

Energy consumed at Pondicherry University Main Campus for the academic year June 2020-May 2021



Total Energy Consumption in kwh =38,65,980.00 (13918 Gigajoules)

Remarks: The energy consumption for the academic year June 2020-May 2021 has reduced to half compared to pre-COVID data.

Yours faithfully

(V. Mourg (elou)

ASSISTANT ENGINEER (ELECT.) PONDICHERRY UNIVERSITY R.Vonkataraman Nagar, Kalapet Puducherry - 605 014.

÷.