




SOLAR UTILIZATION REPORT

Standard: 1.2.4

Measurable point: Solar Utilization



भारतीय गैर न्यायिक
एक सौ रुपये
Rs. 100
ONE HUNDRED RUPEES
भारत INDIA
INDIA NON JUDICIAL

കേരളം കേരल KERALA CG 969582

Agreement No.HT/S-06/19-20 dt. 16.01.2020

Agreement for Connecting Solar Energy System to the
Distribution System of the Licensee

This Memorandum of Agreement is made on this 16th day of January 2020 at Thrissur between Fr. Julius Arakal, Joint Director, Amala Cancer Hospital Society, Thrissur HT Con code - 25/2539, the eligible consumer (herein after referred to as consumer) residing at Amalanagar, Thrissur-680555 as first party

AND

the Kerala State Electricity Board Limited, a company incorporated under the Indian Companies Act, 1956 (Central Act 1 of 1956) having its registered office at Vedyuthi Bhavanam, Pattom, Thiruvananthapuram, represented by Sri. Sidharthan.P.B, Deputy Chief Engineer, Electrical Circle, Thrissur, hereinafter referred to as "KSEB Limited" (which expression shall unless excluded by or repugnant to the context or meaning thereof, be deemed to include its successors, representatives and assignees) as second party, of the agreement.

NO. 01049 DATE 16.01.2020

VALUE OF RS 100


SOLD TO: Joint Director, Amala Cancer Hospital Society

M.A. KUNJU BEEVI

Dy. Chief Engineer
Electrical Circle
Thrissur-4

Fr. Julius Arakal CMI
Joint Director

Amala Nagar



DISTRICT STAMP DEPOT
26 DEC 2019

AGREEMENT FOR UTILIZATION OF SOLAR ENERGY - SAMPLE COPY





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KSEB
കേരളത്തിലെ വൈദ്യുതി

KERALA STATE ELECTRICITY BOARD Ltd.
Office of the Deputy Chief Engineer, Electrical Circle,
Vydyuthi bhavanam, Kottappuram Road, Thrissur District.
Phone: (0) 0487 2382458 FCT Office: 9496009601
Fax No: 0487 2382067
E-mail: elec_tcr@gmail.com, elec_tcr@bsnl.in

PROCEEDINGS OF THE DEPUTY CHIEF ENGINEER, ELECTRICAL CIRCLE, THRISSUR

Sub: Replacing existing CT/PT unit and TOD meter for connecting solar plant to M/s. Amala Cancer Hospital & Research Centre, Thrissur Con No. LCN 25/2539 under Electrical Section, Muthuvvara.
AS No. 32 /2017-18/ 13.12.2017

No. AEEI/Amala Hospital/17-18/1524/13-12-17 dt. 24.02.10.
Read: 1. B.O.No.(FB) General No.510/2010/CPCII/AE/T&C of supply 02/200 dt.24.02.10.
2. Application AF Rs.1000/- 102001 dtd.21.11.2016 & RF Rs.255000/- 102148 dtd.16.8.2017.
3. Energization Sanction No B3-10408/2017/CEI dtd. 15.11.2017 of Electrical Inspectorate, Thrissur.
4. Energization Sanction No.5548/2014/EIR,dtd.19.7.2014 of Electrical Inspectorate, Thrissur.

ORDER

M/s Amala Cancer Hospital & Research Centre, Thrissur bearing Con.No LCN 25/2539 has applied for replacing existing CT/PT unit and TOD meter for connecting grid connected solar to 255kWp under Electrical Section, Muthuvvara. The Executive Engineer, Electrical Division, Thrissur West has recommended and submitted an estimate towards supervision charges for renewing the existing CTPT unit with a ratio of 65/5A and TOD Meter for connecting solar plant.

After verification the application and the estimate sanction is hereby accorded for an estimate amounting to Rs.13620/- (Rupees Thirteen Thousand Six Hundred and Twenty Only) towards renewing the existing CT PT unit and TOD Meter under cost of supply scheme subjected to the following conditions.

- The amount of power advance shall be adjusted without interest from the sanctioned amount.
- The estimate amount after deducting advance amount should be remitted within 15 days from the date of receipt this order. If the sanctioned amount is not remitted within time limit, the application will be treated as cancelled and advance amount shall be forfeited.

To
M/s Amala Cancer Hospital Society, Thrissur
Con.No. LCN 25/2539

Copy submitted to
1. The Chief Engineer, Distribution Central, Ernakulam.

Copy to :
1. The Executive Engineer, Ele. Division, Thrissur West.
2. The Asst. Executive Engineer, Ele. Sub Division, Muthuvvara.
3. The Assistant Engineer, Ele. Section, Muthuvvara for information and necessary

*5mb x 8bc
215+40=255kw
agreement*

PROCEEDINGS OF DEPUTY CHIEF ENGINEER






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Solar
As per

Government of Kerala
Department of Electrical Inspectorate
Office of the Electrical Inspector
Bellmouth Buildings, Round South
Kuruppam Road, Thrissur 680 001
Phone: 0487 2423280, Email
eitr@ceikerala.gov.in


 IS 15700
 BUREAU OF INDIAN STANDARDS
 ISO 9001
 An IS 15700 : 2005 Certified Department

PROCEEDINGS OF THE ELECTRICAL INSPECTOR, THRISSUR
Present: SIVADAS C.G.

Sub: - Electrical installation of Solar Power Panel and Solar Energy System at the premises of M/s. Amala Cancer Hospital and Research Centre, Amala Nagar, Thrissur - Sanction for energisation under section 54 of The Electricity Act 2003, Regulation 43(4) of CEA(Measures relating Safety and electricity Supply) regulations 2010 - Orders issued.

Read: - 1. Scheme submitted by M/s. Maxwell electric Corporation, CB - 5161, Manappuram Hotel, Marar Road, Thrissur vide letter No. Nil dated 22/04/2014.
2. Scheme approval No. B3 - 11189/2014/CEI dated 06/06/2014.
3. Completion report submitted by M/s. Maxwell electric Corporation, CB - 5161, Manappuram Hotel, Marar Road, Thrissur vide letter No. Nil. dated 17/06/2014.
4. Inspection dated 05/07/2014.

ORDER NO. B1 - 5548/2014/EIR Dated: 19/07/2014

Sanction for energisation is here by accorded under Section 54 of Electricity Act 2003 & Regulation 43(4) of CEA (Measures relating Safety and electricity Supply) Regulations 2010 for the HT/MV Electrical installation of Solar Power Panel and Solar Energy System (details mentioned below) covered under the completion report cited as 3rd above and installed at the premises of M/s. Amala Cancer Hospital and Research Centre, Amala Nagar, Thrissur subject to the following conditions.

- Any addition/alteration in the existing installation should be carried out after getting prior approval/sanction from the electrical inspector.
- Defects if noticed during subsequent inspection should be rectified.
- Date of energisation should be intimated promptly.
- Air and sound pollution due to the working of Diesel Generator Set should be brought to the permissible limit.
- Electricity duty to the Government should be remitted periodically.

DETAILS OF EQUIPMENTS(COVERED UNDER THIS SANCTION ORDER)

- Solar PV Modules - 162 Nos.**
Photo Voltaic Cells
Make : JINKO
Cell voltage : 37 V
current capacity : 8 A
Wattage : 250 W

(Contd.....2)

INSTALLATION OF SOLAR PLANT - REPORT



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SOLAR SANCTION ORDER


1.350KWp – SOLAR ON –GRID SYSTEM

2.215 KWp – SOLAR ON –GRID SYSTEM

3.40KWp - SOLAR ON –GRID SYSTEM

Date: 29/11/25
Place: Thrissur




Dr. Betsy Thomas
Principal

Dr. BETSY THOMAS
MD, FRCOG, DNB, MICOG
PRINCIPAL
AMALA INSTITUTE OF MEDICAL SCIENCES
AMALA NAGAR, THRISSUR-680 555

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	KERALA STATE ELECTRICITY BOARD Ltd. Office of the Deputy Chief Engineer, Electrical Circle, Vidyuthibhavanam, Kottappuram, Thrissur District, Phone: (0) 0487 2382458 FCT Office: 9496009601 Fax No: 0487 2382067 E-mail: elec_tcr@bsnl.in, elec.tcr@gmail.com
No: AEE1/Solar Conn/HT- Amala /2019-20/ <i>2486</i> Date: <i>16.01.2020</i>	
To The Special Officer (Revenue), Vidyuthi Bhavanam, Pattom, Thiruvananthapuram.	
Sir, Sub: - Connection Agreement between KSEB Ltd. and Fr. Julius Arakal, Joint Director, Amala Cancer Hospital Society, Thrissur Cons. Code 25/2539 for solar grid connectivity at 11KV – reg	
Ref:- 1. Letter No. DB/AE/MVA/2019-20/65 dated 03.01.2020 of the Assistant Engineer, Electrical section, Mduvara. 2. Test Certificate for Solar Plant Installation dt. 01.01.2020 of the AEE, APTS, Thrissur 3. This office HT Agreement No. 20/2009-10 dtd 05.11.2009 3. Energisation sanction order No. B1-13674/19/EIR dtd..21.11.2019 of the Electrical Inspector, Thrissur..	
The Amala Cancer Hospital Society, Thrissur Cons. Code 25/2539 is an existing HT consumer under E S, Mduvara. Agreement has been executed on <i>14.01.2020</i> with Fr. Julius Arakal, Joint Director, Amala Cancer Hospital Society, Thrissur for connecting their solar panel of capacity 350kW with our system. Copy of the Solar Connection Agreement, with connected papers are forwarded herewith for information and further necessary action.	
Yours faithfully DEPUTY CHIEF ENGINEER.	
Copy to: 1) The Deputy Chief Engineer, Transmission Circle, Thrissur 2) The Executive Engineer, Electrical Division, Thrissur(West). 3) The Executive Engineer, TMR Division, Shornur – Please arrange for effecting the above mentioned Grid connection as per rules. 4) The Asst. Executive Engineer, Electrical Sub Division, Mduvara. 5) The Asst. Engineer, Electrical Section, Mduvara 6) Fr. Julius Arakal, Joint Director, Amala Cancer Hospital Society, Thrissur	
Registered Office: Vidyuthi Bhavanam, Pattom, Thiruvananthapuram 695 004, Website: www.kseb.in	

350 kw p solar agreement



AGREEMENT FOR CONNECTION OF SOLAR ENERGY TO MAIN POWER SUPPLY

Page 1 of 5



Amala Institute of Medical Sciences (An Undertaking of Amala Cancer Hospital Society)
Affiliated to Kerala University of Health Sciences Accredited by KUHS with QAS A+ Grade & NABH & NABL Accredited & ISO 9001:2015 Certified, Amala Nagar P.O, Thrissur, Kerala.
Ph: +91 487 2304000, 2304070 | Fax: +91 487 2307969 | urooncology@amalaims.org
www.amalaims.org | Follow us on

Betsy
DR. BETSY THOMAS
MD, FRCOG, DNB, MICOG
PRINCIPAL
AMALA INSTITUTE OF MEDICAL SCIENCES
AMALA NAGAR, THRISSUR-680 555

SOLAR



Thrissur, Kerala, India
H566+xxg, Amalanagar, Thrissur, Kerala 680555, India
Lat: 10.562445° Long: 76.107278°
Plus Code: 7J2RHS66+xx
01/11/25 04:31 PM GMT +05:30
Note: Captured by GPS Map Camera



Thrissur, Kerala, India
H566+xxg, Amalanagar, Thrissur, Kerala 680555, India
Lat: 10.562445° Long: 76.107278°
Plus Code: 7J2RHS66+xx
01/11/25 04:31 PM GMT +05:30
Note: Captured by GPS Map Camera



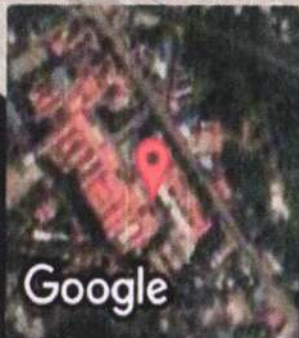
Thrissur, Kerala, India
H568+xxg, Amalanagar, Thrissur, Kerala 680555, India
Lat: 10.562402° Long: 76.167382°
Plus Code: 7J2RHS66+xx
01/11/25 04:29 PM GMT +05:30
Note: Captured by GPS Map Camera



Amala Institute of Medical Sciences (An Undertaking of Amala Cancer Hospital Society)
Affiliated to Kerala University of Health Sciences Accredited by KUHS with QAS A+ Grade &
NABH & NABL Accredited & ISO 9001:2015 Certified, Amala Nagar P.O, Thrissur, Kerala.
Ph: +91 487 2304000, 2304070 | Fax: +91 487 2307969 | urooncology@amalaims.org
www.amalaims.org | Follow us on 



GPS Map Camera



Thrissur, Kerala, India

H569+gg8, Amalanagar, Thrissur, Kerala 680555, India

Lat 10.561229° Long 76.168822°

Plus Code : 7J2RH569+FG

01/11/25 04:14 PM GMT +05:30

Note : Captured by GPS Map Camera



GPS Map Camera



Thrissur, Kerala, India

H569+gg8, Amalanagar, Thrissur, Kerala 680555, India

Lat 10.56124° Long 76.168803°

Plus Code : 7J2RH569+FG

01/11/25 04:11 PM GMT +05:30

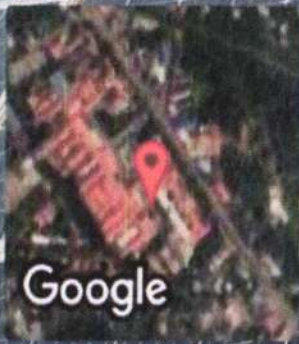
Note : Captured by GPS Map Camera



solwatt



GPS Map Camera



Google

Thrissur, Kerala, India

H569+gg8, Amalanagar, Thrissur, Kerala 680555, India

Lat 10.561275° Long 76.168831°

Plus Code : 7J2RH569+GG

01/11/25 04:17 PM GMT +05:30

Note : Captured by GPS Map Camera



Google

Thrissur, Kerala, India

H569+gg8, Amalanagar, Thrissur, Kerala 680555, India

Lat 10.561278° Long 76.168795°

Plus Code : 7J2RH569+GG

01/11/25 04:13 PM GMT +05:30

Note : Captured by GPS Map Camera



GPS Map Camera



GPS Map Camera

Thrissur, Kerala, India

H568+xxg, Amalanagar, Thrissur, Kerala 680555, India

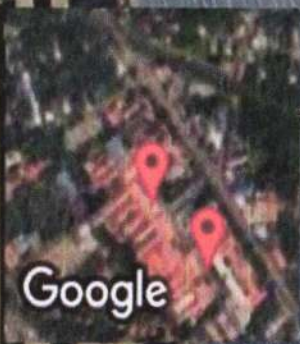
Lat 10.562495° Long 76.167335°

Plus Code : 7J2RH568+XW

01/11/25 04:30 PM GMT +05:30

Note : Captured by GPS Map Camera

Google





605 kWp Solar Power Plant

Plant Details:


Capacity	605 kWp
System Type	Grid-tied
Manufacturer	WCE
Installation Date	2017
Location	Amalanagar, Thrissur, Kerala
Project Name	605 kWp Solar Power Plant
Project Manager	WCE
Project Engineer	WCE
Project Supervisor	WCE
Project Coordinator	WCE
Project Assistant	WCE

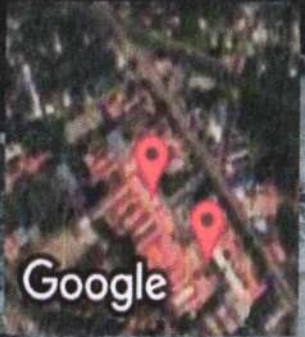
WCE
WCE 2017

Call us at :
9946788886
9946788881
www.sunsenz.com

sunsenz

Mooopens

 **GPS Map Camera**



Thrissur, Kerala, India
H568+xxg, Amalanagar, Thrissur, Kerala 680555, India
Lat 10.562402° Long 76.167382°
Plus Code : 7J2RH568+XX
01/11/25 04:29 PM GMT +05:30
Note : Captured by GPS Map Camera



Thrissur, Kerala, India

H568+xxg, Amalanagar, Thrissur, Kerala 680555, India

Lat 10.562495° Long 76.167335°

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01/11/25 04:30 PM GMT +05:30

Note : Captured by GPS Map Camera



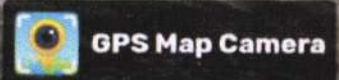
405 kWp Solar Power Plant

Plant Details:

Capacity	405 kWp
Area	1000 sqm
Manufacturer	Sunsenz
Installation Date	2025
Location	Amalanagar, Thrissur
Project Name	405 kWp Solar Power Plant

Call us at:
9946788886
9946788881

sunsenz **Moopems**



Thrissur, Kerala, India

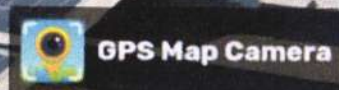
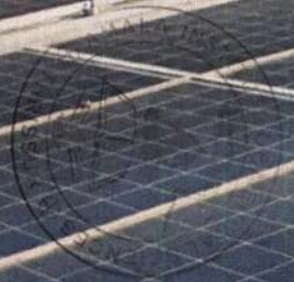
H568+xxg, Amalanagar, Thrissur, Kerala 680555, India

Lat 10.562453° Long 76.167395°

Plus Code : 7J2RH568+XX

01/11/25 04:29 PM GMT +05:30

Note : Captured by GPS Map Camera



GPS Map Camera



Thrissur, Kerala, India

H568+xxg, Amalanagar, Thrissur, Kerala 680555, India

Lat 10.562445° Long 76.167278°

Plus Code : 7J2RH568+XW

01/11/25 04:31 PM GMT +05:30

Note : Captured by GPS Map Camera

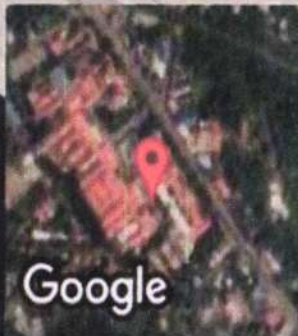


DR. BETSY THOMAS
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Betsy



GPS Map Camera



Google

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KERALA STATE ELECTRICITY BOARD LIMITED

Office of the Special Officer(Revenue), Pattom, Thiruvananthapuram

Hydel Year : Apr - 2025 - Mar - 2026 Month : Nov - 2025

Solar- AMALA CANCER HOSPITAL

Transmission 0 Wheeling 0 Banking Charges 0

Solar- AMALA CANCER HOSPITAL(25/2539)

Capacity 0,390

No. of Days Generated 30

From Date 01-Nov-2025

To Date 30-Nov-2025

Zone	Export	Import	Solar Gen	Net units	Transmission	Wheeling	Balance
Normal	0.00	412940.00	37630.00	0.00	0.00	0.00	0.00
Peak	0.00	122480.00	0.00	0.00	0.00	0.00	0.00
Offpeak	0.00	197840.00	0.00	0.00	0.00	0.00	0.00
Total	0.00	733260.00	37630.00	0.00	0.00	0.00	0.00

Banking Details

Zone	Balance	Available	Total Balance	Current	Banking	Balance in Bank
Normal	0.00	0.00	0.00	0.00	0.00	0.00
Peak	0.00	0.00	0.00	0.00	0.00	0.00
Offpeak	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00

Adjustments

M/s Amala Cancer Hospital Society (25/2539)

Zone	Consumption kVA	Adjusted kVA	Billed kVA	Consumption KWH	Adjusted KWH	Billed kWH
Normal	1708.00	0	0	412940.00	0	412940
Peak	0.00	0	0	122480.00	0	122480
Offpeak	0.00	0	0	197840.00	0	197840
Total		0.00		733260.00	0.00	733260.00

Total kWH Adjusted 0.00

Total Energy in Bank	0.00
MD Relief	0.0

Remarks

SPECIAL OFFICER (REVENUE)

DEMAND CUM DISCONNECTION NOTICE FOR DECEMBER 2025

(As per CHAPTER VII OF KERALA ELECTRICITY SUPPLY CODE -2014)

Cons#	1356850003755	Bill Date	03-Dec-2025	Due Date	10-Dec-2025	DC Date	25-Dec-2025	Bill.No	21028112275722 Ver : 0
LCN	25/2539	Tariff	HT II (B) GENERAL			CD		9438555 BG	4938355
M/s Amala Cancer Hospital Society Amala Cancer Hospital, Amala Nagar, Thrissur, III/60, Amalanagar, THRISSUR,, Mobile no--9895107090					SBI Virtual A/c No(IFSC Code:SBIN0070493)-KSEBHT25C2539 Consumer GSTIN_ID- 32AAATA4065B1ZH/KSEB (L)GST ID=32AAECK2277NBZ1 TDS u/s 194Q : 2285.67				

Arrears as on 31-Oct-2025				Date of Previous Reading	31-Oct-2025	amalafin@gmail.com			
Disputed		Undisputed	7472	Date of Present Reading	30-Nov-2025	Supply Voltage	11 kV	HT	
Contract Demand(kVA)	75% of CD (KVA)	130% of CD (KVA)	Connected Load (KW)	Average			Billing Type	DPS	
1755.0	1316.25	2281.5	5360.42	MD (kVA)	Consumption (kWh)	PF	Section	Muduvara	
				1559.01	716947	0.98	Circle	Thrissur	

Reading Details of meter 16497202 A-Working (KVA,KWh,KVAh & KVArh) for 11-2025

1. Energy Consumption(KWh)					3. Energy Consumption(KVArh) Lag and kVArh (Lead)								
Zone	FR	IR	MF	Units	Zone	FR	IR	MF	Units	FR	IR	Units	
1	1717437.00	1696790.00	20.000	412940	1	333222.	329235.	20.000	79740	98.00	98.00	0	
2	554432.00	548308.00	20.000	122480	2	82018.0	81058.0	20.000	19200	19.00	19.00	0	
3	879813.00	869921.00	20.000	197840	3	93624.0	92321.0	20.000	26060	477.00	477.00	0	
				Total					Total kVArh(Lag)	125000	kVArh(Lead)		0

2. Energy Consumption(KVAh)					4. Demand (KVA)			Readings		MF		Units	
Zone	FR	IR	MF	Units	1		2		3				
1	1755237.00	1734195.00	20.000	420840			85.389		20.000		1707.78		
2	561339.00	555138.00	20.000	124020			61.727		20.000		1234.54		
3	886135.00	876152.00	20.000	199660			51.062		20.000		1021.24		
				Total			744520						

Ave.PF=KWh/KVAh	0.99	5.Factory Lighting	0.0
		6.Colony Lighting	0.0
		7.Generator	2940

INVOICE

	Unit	Rate	Amount (Rs)		Amount
1.Total Demand Charge				9.Other Charges	
a. Demand Charge - Normal	1708.0	535.000	913780.00	Reconnection Fee	0.00
b. Demand Charge - Peak	0.0	535.000	0.00	Monthly Fuel Surcharge	36663.00
c. Demand Charge - Off peak	0.0	535.000	0.00	Green Energy Charge	0.00
d. Excess Demand Charge	0.0	267.500	0.00		
e. Excess Demand Charge(Peak)	0.0	267.500	0.00		
f. Excess Demand Charge (Off)	0.0	267.500	0.00		
Sub Total (a+b+c+d+e+f)			913780.00		
2.Total Energy Charges				10.Total(add 1 to 9)	
a. Energy charges - Normal	412940	7.85000	3241579.00	Plus/Minus (Round off)	0.38
b. Energy charges - Peak	122480.0	11.7750	1442202.00	UnDisputed Arr Amount	7472.00
c. Energy charges - Off peak	197840.0	5.88750	1164783.00	ACD FY Assessment	0.00
Sub Total(a+b+c)			5848564.00	Less	
3.PF Incentive / Disincentive				1. Advance / Credit	
			-116971.28	2. CD Interest	0.00
Total Energy Charge				3. CD/Oth Ref	0.00
			5731592.72		
4.Energy Charges on Lighting load				Net Payable	7293137.00
a.Factory Lighting	0	0.2			
b.Colony Lighting	0	0.2			
Sub Total(a+b)					
5.Electricity Duty					
	5848564	0.100	584856.40		
6.Ele. Surcharge (*)					
	733260	0.025	18331.50		
7.Duty on self generated energy					
	2940	0.15	441.00		
8.Penalty for non-segn. of light load					

(Rupees Seventy Two Lakh Ninety Three Thousand One Hundred Thirty Seven Only)

E & O.E Balance Advance at Credit, if any

1.As per Regulation 130 of Kerala Electricity Supply Code 2014 any complaint regarding accuracy of a bill shall be first taken up with the officer designated to issue the bill (Special Officer(Revenue)). For Enquiry,please contact:0471 2514323,2514262. Please follow our official Facebook page fb.com/ksebl for information & announcements.(Please see the instructions overleaf)

2.The connection will be disconnected without further notice,if the amount is not remitted on or before the DC date above

(*): Charged as per Section 3 of The Kerala State Electricity Surcharge (Levy and Collection) Act, 1989

Please Detach and endorse with the DD

Dr
04-12-25

1356850003755

21028112275722 **Dr. BETSY THOMAS** 7293137.00

M/s Amala Cancer Hospital Society

MD, FRCOG, DNB, MICOG

DD/Payment Instruction

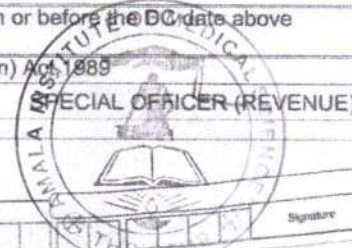
Name of the PRINCIPAL *Betsy*

Date

Signature

AMALA INSTITUTE OF MEDICAL SCIENCES

AMALA NAGAR, THRISSUR-680 555



SOLAR SANCTION ORDER

1.350KWp – SOLAR ON –GRID SYSTEM

2.215 KWp – SOLAR ON –GRID SYSTEM

3.40KWp - SOLAR ON –GRID SYSTEM





केरल KERALA

CG 969582

Agreement No.HT/S-06/19-20 dt. 16.01.2020

Agreement for Connecting Solar Energy System to the
Distribution System of the Licensee

This Memorandum of Agreement is made on this 16th day of January 2020 at Thrissur between Fr. Julius Arakal, Joint Director, Amala Cancer Hospital Society, Thrissur HT Con code - 25/2539, the eligible consumer (herein after referred to as consumer) residing at Amalanagar, Thrissur-680555 as first party

AND

the Kerala State Electricity Board Limited, a company incorporated under the Indian Companies Act, 1956 (Central Act 1 of 1956) having its registered office at Vidyuthi Bhavanam, Pattom, Thiruvananthpauram, represented by Sri. Sidharthan.P.B, Deputy Chief Engineer, Electrical Circle, Thrissur, hereinafter referred to as "KSEB Limited" (which expression shall unless excluded by or repugnant to the context or meaning thereof, be deemed to include its successors, representatives and assignees) as second party, of the agreement.



Fr. Julius Arakal

Dy. Chief Engineer
Electrical Circle
Thrissur-4

NO. 81049 DATE 13-1-2020

Fr. Julius Arakal GMI
Joint Director

VALUE OF RS. IN

SOLD TO

Joint Director

Amala Cancer Hospital Society

M.A. Kunj Beevi

M.A. KUNJ BEEVI

Amala Hospital





KERALA STATE ELECTRICITY BOARD Ltd.
Office of the Deputy Chief Engineer, Electrical Circle,
Vydyuthibhavanam, Kottappuram, Thrissur District,
Phone: (O) 0487 2382458 FCT Office: 9496009601
Fax No: 0487 2382067
E-mail: elec_tcr@bsnl.in, elec.tcr@gmail.com

No: AEE1/Solar Conn/HT- Amala /2019-20/ 2486

Date: 16.01.2020

To
The Special Officer (Revenue),
Vydyuthi Bhavanam, Pattom,
Thiruvananthapuram.

Sir,

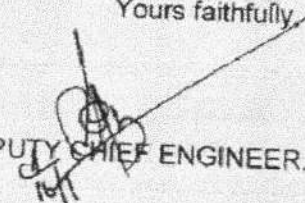
350 kWp solar agreement

Sub: - Connection Agreement between KSEB Ltd. and Fr. Julius Arakal, Joint Director, Amala Cancer Hospital Society, Thrissur Cons. Code 25/2539 for solar grid connectivity at 11KV - reg

- Ref:-
1. Letter No. DB/AE/MVA/2019-20/65 dated 03.01.2020 of the Assistant Engineer, Electrical section, Muduvvara.
 2. Test Certificate for Solar Plant Installation dt. 01.01.2020 of the AEE, APTS, Thrissur
 3. This office HT Agreement No. 20/2009-10 dtd 05.11.2009
 3. Energisation sanction order No. B1-13674/19/EIR dtd..21.11.2019 of the Electrical Inspector, Thrissur.

The Amala Cancer Hospital Society, Thrissur Cons. Code 25/2539 is an existing HT consumer under E S, Muduvvara. Agreement has been executed on 14.01.2020 with Fr. Julius Arakal, Joint Director, Amala Cancer Hospital Society, Thrissur for connecting their solar panel of capacity 350kW with our system. Copy of the Solar Connection Agreement, with connected papers are forwarded herewith for information and further necessary action.

Yours faithfully


DEPUTY CHIEF ENGINEER.

- Copy to:
- 1) The Deputy Chief Engineer, Transmission Circle, Thrissur
 - 2) The Executive Engineer, Electrical Division, Thrissur(West).
 - 3) The Executive Engineer, TMR Division, Shornur - Please arrange for effecting the above mentioned Grid connection as per rules.
 - 4) The Asst. Executive Engineer, Electrical Sub Division, Muduvvara.
 - 5) The Asst. Engineer, Electrical Section, Muduvvara
 - 6) Fr. Julius Arakal, Joint Director, Amala Cancer Hospital Society, - Thrissur

Registered Office: Vydyuthi Bhavanam, Pattom, Thiruvananthapuram 695 004, Website: www.kseb.in





KERALA STATE ELECTRICITY BOARD Ltd.
Office of the Deputy Chief Engineer, Electrical Circle,
Vydyuthi bhavanam, Kottappuram Road, Thrissur District
Phone: (O) 0487 2382458 FCT Office: 9496009601
Fax No: 0487 2382067
E-mail: elec.tcr@gmail.com, elec_tcr@bsnl.in

**PROCEEDINGS OF THE DEPUTY CHIEF ENGINEER, ELECTRICAL
CIRCLE, THRISSUR**

Sub: Replacing existing CT/PT unit and TOD meter for connecting solar plant to M/s. Amala Cancer Hospital & Research Centre, Thrissur Con No. LCN 25/2539 under Electrical Section. Muthuvara.

AS No. 32 /2017-18/13.12.2017

No. AEEI/Amala Hospital/17-18/1524/13-12-17 dt.

- Read: 1. B.O.No.(FB) General No.510/2010/CPCII/AE/T&C of supply 02/200 dt.24.02.10.
2. Application AF Rs.1000/- 102001 dtd.21.11.2016 & RF Rs.255000/- 102148 dtd.16.8.2017.
3. Energization Sanction No.B3-10408/2017/CEI dtd. 15.11.2017 of Electrical Inspectorate, Thrissur.
4. Energization Sanction No.5548/2014/EIR.dtd.19.7.2014 of Electrical Inspectorate, Thrissur.

*sub + BIC
215 + 40 = 255 kWp
agreement*

ORDER

M/s Amala Cancer Hospital & Research Centre, Thrissur bearing Con.No LCN 25/2539 has applied for replacing existing CT/PT unit and TOD meter for connecting grid connected solar to 255kWp under Electrical Section, Muthuvara. The Executive Engineer, Electrical Division, Thrissur West has recommended and submitted an estimate towards supervision charges for renewing the existing CTPT unit with a ratio of 65/5A and TOD Meter for connecting solar plant.

After verification the application and the estimate sanction is hereby accorded for an estimate amounting to Rs.13620/- (Rupees Thirteen Thousand Six Hundred and Twenty Only) towards renewing the existing CT PT unit and TOD Meter under cost of supply scheme subjected to the following conditions.

1. The amount of power advance shall be adjusted without interest from the sanctioned amount.
2. The estimate amount after deducting advance amount should be remitted within 15 days from the date of receipt this order. If the sanctioned amount is not remitted within time limit, the application will be treated as cancelled and advance amount shall be forfeited.

[Handwritten signature and stamp]

To
M/s Amala Cancer Hospital Society, Thrissur
Con.No. LCN 25/2539

Copy submitted to
1. The Chief Engineer, Distribution Central, Ernakulam.

Copy to :
1. The Executive Engineer, Ele. Division, Thrissur West.
2. The Asst. Executive Engineer, Ele. Sub Division, Muthuvara.
3. The Assistant Engineer, Ele. Section, Muthuvara for information and necessary



Handwritten: *Solar* *As per*

Government of Kerala
Department of Electrical Inspectorate
Office of the Electrical Inspector
Bellmouth Buildings, Round South
Kuruppam Road, Thrissur 680 001
Phone: 0487 2423280, Email
eitcr@ceikerala.gov.in



PROCEEDINGS OF THE ELECTRICAL INSPECTOR, THRISSUR
Present: SIVADAS C.G.

Sub: - Electrical installation of Solar Power Panel and Solar Energy System at the premises of M/s. Amala Cancer Hospital and Research Centre, Amala Nagar, Thrissur - Sanction for energisation under section 54 of The Electricity Act 2003, Regulation 43(4) of CEA(Measures relating Safety and electricity Supply) regulations 2010 - Orders issued.

- Read: - 1. Scheme submitted by M/s. Maxwell electric Corporation, CB - 5161, Manappuram Hotel, Marar Road, Thrissur vide letter No. Nil dated 22/04/2014.
2. Scheme approval No. B3 - 11189/2014/CEI dated 06/06/2014.
3. Completion report submitted by M/s. Maxwell electric Corporation, CB - 5161, Manappuram Hotel, Marar Road, Thrissur vide letter No. Nil. dated 17/06/2014.
4. Inspection dated 05/07/2014.

ORDER NO. B1 - 5548/2014/EIR Dated: 19/07/2014

Sanction for energisation is hereby accorded under Section 54 of Electricity Act 2003 & Regulation 43(4) of CEA (Measures relating Safety and electricity Supply) Regulations 2010 for the HT/MV Electrical installation of Solar Power Panel and Solar Energy System (details mentioned below) covered under the completion report cited as 3rd above and installed at the premises of M/s. Amala Cancer Hospital and Research Centre, Amala Nagar, Thrissur subject to the following conditions.

1. Any addition/alteration in the existing installation should be carried out after getting prior approval/sanction from the electrical inspector.
2. Defects if noticed during subsequent inspection should be rectified.
3. Date of energisation should be intimated promptly.
4. Air and sound pollution due to the working of Diesel Generator Set should be brought to the permissible limit.
5. Electricity duty to the Government should be remitted periodically.

DETAILS OF EQUIPMENTS(COVERED UNDER THIS SANCTION ORDER)

1. Solar PV Modules - 162 Nos.

Photo Voltaic Cells

Make : JINKO
Cell voltage : 37 V
current capacity : 8 A
Wattage : 250 W

(Contd....2)



Betsy
Dr. BETSY THOMAS
MD, FRCOG, DNB, MICOG
PRINCIPAL

AMALA INSTITUTE OF MEDICAL SCIENCES
AMALA NAGAR, THRISSUR-680 555

Marian Grotto, Amala 

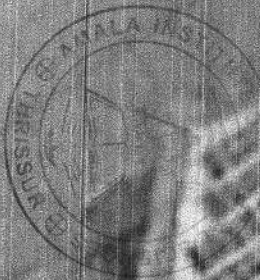
 EMERGENCY DEPARTMENT

Amala Cardiac Centre
അമല കാർഡിയാക് സെന്റർ 

Amala Medical College Thrissur 

Thrissur - Kunnampuzha Rd

69



Amala H

Amala Hospital Rd

**Medical UG
Ladies' Hostel**



Amala Hospital Rd

Amala Nursing College

Amala Nursing College

അമല നേഴ്സിംഗ് കോളേജ്

Amala Hospital Canteen

അമല ആശുപത്രി കാനറ്റീൻ



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UPS

UPS LIST (2025)

Sr. NO	UPS-ID	LOCATION		
1.	UPS-1	CV9 ICU - S.M - 7 th FL.	GE	10KVA
2.	UPS-3	cardiac OS - S.M - 7 th FL	GE	10KVA
3.	UPS-4	Semi ICU (RICU) - S.M - 6 th FL	GE	6KVA
4.	UPS-5	7 th Room cardiac - S.M.B	GE	6KVA
5.	UPS-6	Old Block OT.1	Emerson	3KVA
6.	UPS-7	Old Block OT.2	Emerson	3KVA
7.	UPS-8	Old Block OT.3	Emerson	3KVA
8.	UPS-9	OT-Ophthalmology - CH.	Hykon	3KVA
9.	UPS-10	Old Block OT.5	Hykon	3KVA
10.	UPS-11	Old Block OT.6	APC	3KVA
11.	UPS-12	Chavara CAD (shifted to SH)	Emerson	6KVA
12.	UPS-13	Auditorium		
13.	UPS-14	cardiology CAD - S.M. 7 th FL.	Hykon	6KVA.
14.	UPS-15	cardiology CAD - S.M - 7 th FL.	Hykon	10KVA.
15.	UPS-16	Biochemistry Lab - S.M. 2 nd FL	DB Elec.	7.5KVA
16.	UPS-17	S.M. 2 nd FL. Electric Room.	Hykon	10KVA
17.	UPS-18	microbiology Lab - CH - Ground	Supra	2KVA.
18.	UPS-21	Math Lab - S.M - 6 th FL.	GE	120KVA.
19.	UPS-22	MRI Room - S.M - Basement	GE	
20.	UPS-23	CT Room - S.M - Basement	GE	160KVA
21.	UPS-25	LINAC - SH - Basement	Bipha	40 160KVA
22.	UPS-26	SH Block - Electric Room	Emerson	20KVA.
23.	UPS-30	Chavara Pharmacy	Hykon	3KVA
24.	UPS-31	Gastro. Suite. 3 - CH - 2 nd FL.	APC	6KVA.
25.	UPS-33	M.C. Community Medicine Classroom -	Delta	3KVA
26.	UPS-36	U.S.S - 3 - S.M - Basement	Hykon	2KVA.
27.	UPS-37	ENS Procedure Room - S.M. 3 rd FL.	Hykon	2KVA
28.	UPS-41	B.Sc Exam Cell	Hykon	3KVA.
29.	UPS-42	B.Sc Exam Cell	Hykon	3KVA.
30.	UPS-45	M.C. Community Medicine - Classrooms	Emerson	3KVA.
31.	UPS-46	M.C. Exam Cell	Hykon	3KVA.



Sl. NO	UPS-ID	LOCATION	MAKE	RATING.
32	UPS-47	M.C. EXAM CELL - 3 rd FL.	Hykon	3kVA.
33	UPS-48	XRAY - S.M. - BASEMENT.	APC	6kVA.
34	UPS-49	U.S.S-1 - S.M. - BASEMENT.	Hykon	2kVA.
35	UPS-50	U.S.S-5 - S.M. - BASEMENT	Hykon	2kVA.
36	UPS-51	S.M. - PICS ROOM - BASEMENT	Hykon	2kVA
37	UPS-52	S.M. - BOOKING counter - 2 nd FL.	GE	6kVA
38	UPS-53	CHAVARA OT-7	EMERSON	3kVA.
39	UPS-54	CHAVARA OT-9	EMERSON	3kVA.
40	UPS-55	CHAVARA OT-10	EMERSON	3kVA
41	UPS-58	SSOT - SH - 2 nd FL.	HYKON	5kVA
42	UPS-59	SSOT - SH - 2 nd FL.	HYKON	5kVA
43	UPS-60	SSOT - SH - 2 nd FL.	HYKON	5kVA
44	UPS-63	SSICU - SH - 2 nd FL.	HYKON	15kVA
45	UPS-65	SSOT - SH - 2 nd FL.	HYKON	5kVA
46	UPS-66	ENT AUDIOLOGY ROOM		
47	UPS-69	SURVIVABLE ROOM - CH.G. FL.	APC	3kVA
48	UPS-71	CAN LAB		
49	UPS-72	CLINICAL - I - SH BASEMENT	PRIMO	40kVA
50	UPS-73	RAJDA CLINIC - S.M. - BASEMENT	Hykon	3kVA
51	UPS-74	PFT - CHAVARA Block - 1 st FL.	APC	3kVA
52	UPS-75	GASTRO SUIT - 2 - CH. I st FL.	HYKON	3kVA.
53	UPS-76	PATHOLOGY LAB - S.M. 2 nd FL.	Hykon	2kVA.
54	UPS-77	U.S.S-2 - S.M. - BASEMENT.	HYKON	2kVA.
55	UPS-78	U.S.S-4 - S.M. - BASEMENT.	EMERSON	2kVA.
56	UPS-81	PATHOLOGY LAB - S.M. 2 nd FL.	Hykon	3kVA.
57	UPS-83	OPHTHALMOLOGY - S.M. 3 rd FL.	EMERSON	1kVA.
58	UPS-84	CHAVARA OT - LAGED MK.		
59	UPS-87	MOLECULAR BIOLOGY LAB - M.C. 3 rd FL.	HYKON	2kVA.
60	UPS-88	BMT - SH - 3 rd FL.	HYKON	15kVA.
61	UPS-89	MICROBIOLOGY LAB - CH. G. FL.	HYKON	2kVA.
62	UPS-90	GASTRO SUIT - 1 - CH. I st FL.	HYKON	3kVA.



Sr. No	UPS-ID	LOCATION	MAKE	RATING
63.	UPS-91	Pneumatic console - 9.M. 2 nd FL.	Hykon	6kVA.
64.	UPS-92	Blood bank - Apathy's mk	Hykon	3kVA.
65.	UPS-98	CICU - 9.M. - 7 th FL.	DAITA	
66.	UPS-99	Haematology Lab - 9.M. 2 nd FL.	Hykon	1kVA.
67.	UPS-100	Robotic mk - 9H. OT 2 nd FL.	Hykon	2kVA.
68.	UPS-101	Haematology Lab - 9.M. 2 nd FL.	Hykon	3kVA.
69.	UPS-102	EEG Room - 9H. 5 th FL.	APC	2kVA.
70.	UPS-103	Echo Room - 9.M. Basement	APC	3kVA.
71.	UPS-104	Echo Room - 9.M. Basement	CONBU	2kVA.
72.	UPS-105	Chapel	Hykon	3kVA.
73.	UPS-2	CCU - 9M - 6 th FL.	GE	10kVA.
74.	UPS-106	Maintenance Room - 9Parr-1	Hykon	3kVA.
75.	UPS-108	Maintenance Room 9Parr-2	Hykon	1kVA.
76.	UPS-109	Chavara CSSD.	Hykon	1kVA.
77.	UPS-110	E.D. - OT	Hykon	5kVA.
78.	UPS-111	Maintenance Room - 9Parr-3	Hykon	2kVA.
79.	UPS-39	CNC - Chavara Block	Hykon	1kVA.

Standby UPS
3kVA - Emergency
provided by
Hykon on
25/6/25

Inst. on
23/1/25.
D.O.T
11/2/25.

Betsy

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Equipment Register
(2025)



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