



Jyothi Engineering College

NAAC Accredited College with NBA Accredited Programmes*

Approved by AICTE & affiliated to APJ Abdul Kalam Technological University

A CENTRE OF EXCELLENCE IN SCIENCE & TECHNOLOGY BY THE CATHOLIC ARCHDIOCESE OF TRICHUR

JYOTHI HILLS, VETTIKATTIRI P.O, CHERUTHURUTHY, THRISSUR, PIN-679531 PH : +91- 4884-259000, 274423 FAX : 04884-274777



NBA accredited B.Tech Programmes in Computer Science & Engineering, Electronics & Communication Engineering, Electrical & Electronics Engineering and Mechanical Engineering valid for the academic years 2016-2022. NBA accredited B.Tech Programme in Civil Engineering valid for the academic years 2019-2022.

7.1.2 Alternative Sources of Energy & Energy Conservation Measures

INDEX

Sl.No	Energy Conservation Measures	Proof
1.	Solar Energy	Bill Agreement
2.	Wheeling to Grid	Agreement

True Copy Attested

Dr. SUNNY JOSEPH KALAYATHANKAL
M.Tech, MCA, M.Sc, M.Phil, B.Ed
Ph.D (Computer Science), Ph.D (Maths)
PRINCIPAL
Jyothi Engineering College
Cheruthuruthy P.O.- 679 531



Jyothi Engineering College

NAAC Accredited College with NBA Accredited Programmes*

Approved by AICTE & affiliated to APJ Abdul Kalam Technological University

A CENTRE OF EXCELLENCE IN SCIENCE & TECHNOLOGY BY THE CATHOLIC ARCHDIOCESE OF TRICHUR

JYOTHI HILLS, VETTIKATTIRI P.O., CHERUTHURUTHY, THRISSUR. PIN-679531 PH : +91- 4884-259000, 274423 FAX : 04884-274777

NBA accredited B.Tech Programmes in Computer Science & Engineering, Electronics & Communication Engineering, Electrical & Electronics Engineering and Mechanical Engineering valid for the academic years 2016-2022. NBA accredited B.Tech Programme in Civil Engineering valid for the academic years 2019-2022.

Test Report for Solar Plant Installation

(In duplicate)

of Section: Cheruthuruthy

Date: 16/07/2019

Name of Division: Wodakkanchery

Consumer Particulars

and address of the solar plant owner: Jyothi Engineering College

Plant Identification Number (SPIN), if required:

Capacity of Solar Plant: 60 kW

Consumer Number: HT/135692.0001862

Connected load: 1.00 kVA (CD) 715.571 W

Consumer category: HT (R)

Voltage and number of Phases: AVSN, 8, 11 kV, 3 phase

Details of relay and functionality tests conducted

Particulars	Test Values		
	R	Y	B
Phase Unbalance	2.32	2.32	2.32
Harmonics (Voltage) THD	2.3	2.3	2.3
Third	0.1	0.4	0.5
Fifth	0.4	0.3	0.2
Seventh	1.5	1.5	1.5
Harmonics (Currents) THD	3.2	3.1	3.1
Third	0.9	0.5	0.5
Fifth	1.0	0.8	0.8
Seventh	0.7	0.7	0.7
Direct Current injection	-	-	-
Flicker (Pst)	0.28	0.25	0.25
Anti Islanding	OK		
Correctness of status indicators (Including that of manually operated isolator switch)	Verified and found the settings OK.		

Name and Signature of Authorised Testing Agency: APTS Unit, Thrissur.

[Signature]
16/07/2019
Assistant Executive Engineer,

Name and Signature of Applicant
Witnessed by:

APTS Unit, Thrissur

Name, Signature & Seal of the Assistant Executive Engineer:

[Signature]
Copy Received
16/07/19

Scanned with CamScanner

True Copy Attested

Dr. SUNNY JOSEPH KALAYATHANKAL
M.Tech, MCA, M.Sc, M.Phil, B.Ed
Ph.D (Computer Science), Ph.D (Maths)
PRINCIPAL



CREATING TECHNOLOGY LEADERS OF TOMORROW
ESTD 2002

Jyothi Engineering College

NAAAC Accredited College with NBA Accredited Programmes*

Approved by AICTE & affiliated to APJ Abdul Kalam Technological University

A CENTRE OF EXCELLENCE IN SCIENCE & TECHNOLOGY BY THE CATHOLIC ARCHDIOCESE OF TRICHUR

JYOTHI HILLS, VETTIKATTIRI P.O., CHERUTHURUTHY, THRISSUR. PIN-679531 PH : +91- 4884-259000, 274423 FAX : 04884-274777



NBA accredited B.Tech Programmes in Computer Science & Engineering, Electronics & Communication Engineering, Electrical & Electronics Engineering and Mechanical Engineering valid for the academic years 2016-2022. NBA accredited B.Tech Programme in Civil Engineering valid for the academic years 2019-2022.

KERALA STATE ELECTRICITY BOARD LIMITED

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

DEMAND NOTICE FOR JUNE 2021

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

Con. Code	1156920001862	BR Date	04-Jun-2021	Den Date	11-Jun-2021	BR No	2102811888779 Ver. 0	
Tariff	HIT II (II) GENERAL	Last Date	26-Jun-2021	CD/ush		441145	BR	
JYOTHI ENGINEERING COLLEGE JYOTHI ENGINEERING COLLEGE, CHERUTHURUTHY, CHERUTHURUTHY, Thrissur. Mobile no-9447028657		SBI Virtual A/c No(BFS Code:SBIN0070493)-KSEBHT2824166		Consumer GSTIN_ID- KSEB (LJG5T ID-32AALC92277H8Z1)				
LCN :28/4106		Areas as on 30-Apr-2021		Date of Previous Reading	30-Apr-2021	Email: rejthack@ksecb.com		
Disputed		Unsubscribed		Date of Present Reading	31-May-	Supply Voltage	51 kV HIT	
Contract Demand (KVA)	75% of CD (KVA)	130% of CD (KVA)	Connected Load (KW)	Average		Billing Type	DPS	
125.0	90.0	156.0	715.585	MD (KVA)	Consumption (kWh)	PF	Churnability	
				75.25	19182	0.98	Thrsur	
Reading Details of meter 19003877-Working (KVA, kWh, kVAh & kVArh) for 05-2021								
1. Energy Consumption (kWh)				3. Energy Consumption (kVAh) Lag and kVArh (Lead)				
Zone	FR	IR	MF	Units	Zone	FR	IR	
1	77306.00	75643.00	2.000	1930	1	8954.00	8784.00	
2	37418.00	36156.00	2.000	2924	2	4254.00	4218.00	
3	67497.00	64943.00	2.000	5108	3	3670.00	3531.00	
Total				9562	Total kVAh (Lag)			
					694 kVAh (Lead)			
2. Energy Consumption (kVAh)				4. Demand (KVA)				
Zone	FR	IR	MF	Units	1	24.40	2.000	
1	78662.00	76961.00	2.000	3402	2	22.87	2.000	
2	37957.00	36691.00	2.000	2532	3	24.74	2.000	
3	67554.00	65296.00	2.000	5136	5. Factory Lighting			
Total				11070	6. Colony Lighting			
Ave PF kWh/kVAh				0.99	7. Generator			
					6180			
INVOICE								
		Unit	Rate (Rs)	Amount (Rs)				Amount
1. Total Demand Charge				9. Other Charges				
a. Demand Charge - Normal	90.0	440.000	39600.00	Recreation Fee				0.00
b. Demand Charge - Peak	0.0	440.000	0.00					
c. Demand Charge - Off peak	0.0	440.000	0.00					
d. Excess Demand Charge (Normal)	0.0	220.000	0.00					
e. Excess Demand Charge (Peak)	0.0	220.000	0.00					
f. Excess Demand Charge (Off peak)	0.0	220.000	0.00					
Sub Total (a+b+c+d+e+f)				39600.00				
2. Total Energy Charges								
a. Energy charges - Normal	1930.0	6.200	11966.00					
b. Energy charges - Peak	2524.0	9.300	23473.20					
c. Energy charges - Off peak	5108.0	4.550	23152.20					
Sub Total (a+b+c)				59191.40				
3. PF Incentive / Disincentive				0.00				
Total Energy Charge				59191.40				
4. Energy Charges on Lighting load								
a. Factory Lighting	0	0.2		10. Total (add 1 to 9)				
b. Colony Lighting	0	0.2	0.00	Plus/Minus (Round off)				
Sub Total (a+b)				0.25				
5. Electricity Duty				UnDisputed Amt Amount				
59191				5919.14				
6. Ele. Surcharge				Less 1. Advance / Credit				
9552				239.05				
7. Duty on self generated energy				2. CD Interest				
6180				74.16				
8. Penalty for non-segn. of light load				3. CD Refund				
				0.00				
				0.00				
				Net Payable				
				105024.00				
(Rupees One Lakh Five Thousand Twenty Four Only)								
E & OE				Balance Advance at Credit, if any				
Please follow our official Facebook page fb.com/ksebi for information & announcements.								
Instructions (over/leaf)		SPECIAL OFFICER (REVENUE)						
1356920001862	2102811888779	Rs. 105024.00						
JYOTHI ENGINEERING COLLEGE								
Date								
DD/Payment Instruction								
Name of the Bank								

To be paid
12/6/21
[Signature]

Dr. SUNNY JOSEPH KALAYATHANKAL
M.Tech, MCA, M.Sc, M.Phil, B.Ed
Ph.D (Computer Science), Ph.D (Maths)
PRINCIPAL
Jyothi Engineering College

True Copy Attached



Jyothi Engineering College

NAAC Accredited College with NBA Accredited Programmes*

Approved by AICTE & affiliated to APJ Abdul Kalam Technological University

A CENTRE OF EXCELLENCE IN SCIENCE & TECHNOLOGY BY THE CATHOLIC ARCHDIOCESE OF TRICHUR

JYOTHI HILLS, VETTIKATTIRI P.O., CHERUTHURUTHY, THRISSUR. PIN-679531 PH : +91- 4884-259000, 274423 FAX : 04884-274777



NBA accredited B.Tech Programmes in Computer Science & Engineering, Electronics & Communication Engineering, Electrical & Electronics Engineering and Mechanical Engineering valid for the academic years 2016-2022. NBA accredited B.Tech Programme in Civil Engineering valid for the academic years 2019-2022.

Jyothi Engineering College

Jyothi Hills, Panjal Road, Vettikkattiri P. O., Cheruthuruthy, Thrissur-679 531
(Approved by AICTE and affiliated to the University of Calicut)
www.jecethrissur.org

College 1198, 244777
1678, 274678
Fax 777
E-mail jecethrissur.org

Trust Office
Room No. 80, Pastoral Centre
Tel 0487-2332276

P. O. NO. JECC/5/A/3/13-14/015

Date: 24/07/2013

M/s. Radiant Solar (P) Ltd.,
South Janatha Road,
Palarivattom, Kochi - 682 025
Kerala.

Dear Sirs,

- SUB : Supply, Erection and Commissioning of Solar Power System
RFP : (1) your offer vide letter No. MKTG/Hyd/Offer/300513347/Rev.01 dt. 30-05-2013
(2) Letter No. Nil dt. 07-06-2013.
(3) Circular No. S/23/2009/P & G (PL III) dt. 30-05-2013 of MNRE

Your offer for the Supply, Erection and Commissioning of 63 K Wp Solar Power Plant is accepted at a net cost of Rs. 50 Lakhs as given in the schedule below. Please supply the plant as per the terms and conditions and schedule of particulars given below.

Sl. No.	Particulars	Rate	Quantity	Amount in Rupees
1.	Design, Engineering, Documentation, Supply and erection of Solar Power System comprising the following			
	(a) 250 Wp Solar PV modules 252 Nos. or equivalent (63 KVA)			
	(b) 60KW Grid Connected Inverter 01 No.			
	(c) System Monitoring Unit			
	(d) Surge Arrester.			
	(e) Module Mounting Structure	63,00,000.00	1 Set.	63,00,000.00
	(f) Cables and other accessories etc.			18,90,000.00
	Less Subsidy (30%)			44,10,000.00
				5,90,000.00

True Copy Attested

Add Extra for supplying higher Quality (LEONICS Brand) Inverter.

Dr. SUNNY JOSEPH KALAYATHANKAL
M.Tech, MCA, M.Sc, M.Phil, B.Ed
Ph.D (Computer Science), Ph.D (Maths)
Principal
Jyothi Engineering College
Cheruthuruthy, Thrissur 679 531

MARGHESE KUTHUR
SECRETARY
TRUST
CENTRE OF HIGH

