



THRISSUR EDUCATIONAL TRUST

Regd. No. 277 / IV / 2000

JYOTHI ENGINEERING COLLEGE, CHERUTHURUTHY - 679531

Phone : 04884-274198, 274423 Fax : 04884-274777

E-mail: info@jecc.ac.in Website: www.jecc.ac.in

21st February 2024

W. O. NO. JECC/5/A/3/23-24/015

Date :

To

M/S. Kodco Energy India Pvt LTD
(Hereinafter referred to as the "TATA POWER")
Adimakkuttiline Malikam pedicel
Alangad po, Aluva, Kochi- 683511
Sir,

Sub: Work order towards the 80.56kWp Grid Connected Solar System.
Ref: CP/C&I/TCR/836 dt. 09/02/2024

In reference to above we hereby issue Work Order for Supply, Installation & Commissioning of 80.56kWp Grid Connected Solar Rooftop Power Plant at JYOTHI ENGINEERING COLLEGE, Cheruthuruthy.

Solar Power Plants-80.56kWp

Commercials Solar plants – 80.56kWp	
Description	TOTAL(INR)
Basic Project Cost for Design, Supply, Installation, Transportation, Testing and Commissioning of 80.56kWp Rooftop Solar Power Plants Including: • CEIG Fee • Walkway and Safety line Charge • RPR Charge • Additional Cabling Charge	₹ 47,39,716/-
KSEB Feasibility Amount	₹ 1180/-
KSEB Registration charges 1000 PER KW + 18% (80%refund as per KSEB norms)	₹ 95,580/-
Module Cleaning System	₹ 40,000/-
Access to the roof	₹ 30,000/-
TOTAL (Rupees forty nine lakhs six thousand four hundred and seventy six only)	₹ 49,06,476/-

Terms and conditions will be strictly in accordance with the above-mentioned proposal.

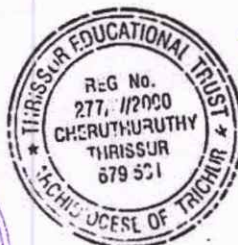
Kindly expedite the work without delay.

Thanking you,

Yours sincerely,

Fr. Thomas Kakkassery

Fr. Thomas Kakkassery
Secretary



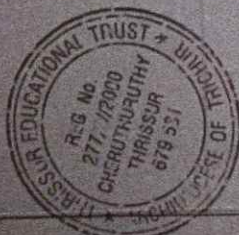
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Dr. Jose P. Therattil
Dr. JOSE P. THERATTIL
Principal
Jyothi Engineering College
Cheruthuruthy - 679531

2.2.3 Bill of Material

TYPICAL BILL OF MATERIALS

Sr. No	Description of Major Supply Items	Total Qty	Make	UoM
1	Solar PV module: 500+ Wp	152	Tata Power Solar	nos
2	LONGRAIL ✓	1	TPS Approved	set
3	Inverter 80 Kw	1	Sofar/Solis/Goodwe/ Equint	nos
4	Monitoring: Data Logger	1	ITAPS	set
5	ACDB With MCCB	1	TPS Approved Vendors / Eligant / Eqv.	set
6	Solar DC Cable	As per Req	Siechem/KEI/TPS Approved Vendor	set
7	AL XLPE ARM CABLE ✓	As per Req	Siechem/KEI/TPS Approved Vendor	set
8	Earthing Kit, Earthing Wire & GI Earth Strip (25mm x 3mm)	1	TPS Approved Vendors	set
9	LIGHTNING ARRESTER ✓	1	TPS Approved Vendors	set
10	MC-4 Cable Couplers (Male & Female Pairs)	1	Bizlink / Multi-Contact / Eqv.	set
11	Installation kit (Comm. Cable etc)	1	Tata Power Solar	set



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2.2.4 EPC Scope Matrix

Scope Matrix for 80.56kWp Solar Power Plant

Sl. No.	Scope	TATA POWER	Cust.	Specifications / Descriptions
Major Supply				
1	SPV Module	✓	X	TATA POWER SOLAR
2	LONGRAIL	✓	X	Longrail for sheet roof (Design as per wind speed as per IS 875 Part-3 Standards)
3	String Inverter	✓	X	Solis/Goodwe/Equiv. (MPPT Grid Connected String Inverters)
4	Weather Monitoring Sensors	X	X	1No. Reference Cell Type Irradiance Sensor and 1No. Module Temp. Sensor only considered
5	Plant Monitoring (RMS/ SCADA)	✓	X	RMS has been considered
6	Solar String DC Cable	✓	X	4mm ² Copper UV protected cable as per TUV/UL Specifications - KEI/Polycab/Siechem/Apar
7	DC Main Cable (SCB to Inverter)	✓	X	All DC Cables shall be Aluminium UV protected cable considered - KEI/Polycab/Siechem/APAR
8	AC LT Power Cables	✓	X	All AC Cables above 16 mm ² : 1.1KV Al conductor (Class-2), GS Armoured, XLPE Insulation, PVC outer sheath Cable. (KEI/Polycab/APAR)
9	AC HT Power Cables	X	X	NA (Evacuation considered at LT Panel of respective buildings)
10	Cable Tray/ Conduits with supporting structures	✓	X	Conduits have been considered for DC cable Routing
11	ACDB Panel	✓	X	Considered in TATA POWER Scope.
12	Lightning Arrestors	✓	X	Conventional/ ESE Type LAs considered in TATA POWER Scope (Quantity as required)
13	HT Panel	X	X	NA (Evacuation considered at LT Panel of same building @415V)
14	Step-Up Transformer & Accessories	X	X	NA (Evacuation considered at LT Panel of same building @415V)
15	Earthing System with all Civil work	✓	X	Chemical Earthing in TATA POWER Scope
16	Module Cleaning System	✓	X	Network of HDPE pipe and Hose Pipe in TATA POWER Scope from the water tapping point from solar plant Water Tank, Water Pump and RO Plant (If required) in Customer Scope
17	Supply of all required equip. & machineries for Inst. & Comm.	✓	X	In TATA POWER Scope on returnable basis
18	Safety Lines	✓	X	Safety Lines on Sheet Roofs in TATA Power Scope
19	Walkway (FRP)	✓	X	Walkway on Sheet Roofs in TATA Power Scope
20	Hand Rail	X	✓	Handrail/Parapet Walls on RCC Roofs in Customer Scope.
21	Staircase/Monkey Ladder	✓	X	Site Access (Staircase) in Customer Scope

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Principal
Jyothi Engineering College
Cheruthuruthy 679531



2.2.5 Considerations for Technical Proposal

1. We have considered cumulative Capacity of 80.56 kWp in compliance with the State Net Metering Policy. The Capacity is however, subject to change in Detailed Engineering Stage. Any change in site/ change in number of sites/ reductions in capacity beyond 5% shall lead to a revision in Project Cost.
2. Our scope will be limited to evacuation of SPV Power @ 415V at LT Panel of same building
3. We have considered the Tilt of Modules to be Degrees.
4. List of makes of equipment shall be as per our makes list attached. However, TATA POWER Approved Equivalent makes may also be considered in event of unavailability of proposed makes during execution stage.
5. The system capacity is based on the assumption that customers would provide us clear shadow free SPV plant installation. If the trees or any shadow causing object is present in the vicinity, customer will make arrangement of removal of the trees / shadow causing objects during Project execution & O&M period (if applicable)
6. Customers shall neither cause nor permit any interference with the Solar Energy Facility's optimal performance as a result of any activity on the Property or otherwise in customer's control. Examples of such interference include, but are not limited to, reduction of solar insolation and access to sunlight, release of effluents on to the Solar Energy Facility, or excessive heating at the Site to the extent such conditions were not already present.
7. Post project commissioning deemed generation shall be applicable in event of Load Unavailability, Grid Unavailability, Internet Unavailability and Force-Majeure. – Clause valid if O&M is in TATA POWER Scope
8. Switchgear/Breaker (MCCB/SFU) of appropriate rating has been considered in TATA POWER scope. However, Spare feeder/Panel/Enclosure for housing the Switchgear for evacuating of SPV power plant has been considered in Customer's scope.
9. Post bid, if there is any change in specifications and project configuration due to Customer recommendations at post bid stage or after site visit, any additional commercial implications due to the same shall be borne by the Customer.
10. We have considered a maximum length of 500m for evacuation of the site at the local LT Panel of respective/adjacent buildings. AC Cable lengths considered up to ACDB. Cabling from ACDB to LT Panel (in excess of assumed length of mtrs.) to be charged extra on Pro-rata basis.
11. Any additional requirement in addition to existing infrastructure for the material lifting will be in TPS Scope.
12. The Project is on Turnkey Design and Build Model. Any surplus material shall be returned to TATA POWER after Project commissioning.
13. CEIG and Net Metering approval as per the prevailing state policy is considered in TATA POWER scope. – All approvals charges are in Customer scope only.
14. Notwithstanding any provisions of this Proposal, TATA POWER is not liable to pay any liquidated damage charges or compensate in any manner for the delay including but not limited to installation of Net Meter and getting any government and statutory approvals as per the agreed scope (as stated above), TATA POWER will make all efforts to obtain the approvals within the minimum possible time from the competent authority.

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Cheruthuruthy - 679531
Thiruvananthapuram
27/11/2019
679 531
THIRUVANANTHAPURAM
TECHNICAL DEPT. OF TR



22	Metering	✓	X	One Set of (Solar+Check) Meter considered per Roof.
23	CEIG and Net Metering Approval	✓	X	- Liasoning for Net-Metering and CEIG considered In TATA POWER Scope. - However, statutory fees and any Hardware Cost including but not limited to Meters or CT/PTs or any retrofitting as proposed by DISCOM during inspection shall be in customer's scope
24	PV-DG Controller	✓	X	Not Considered in any form ie. RPR.
25	Spare Feeder with Switchgear of requisite capacity	✓	X	- Switchgear of appropriate capacity in TATA POWER Scope. - Spare Enclosure for mounting MCCB in Customer Scope. - UG cable routing to net meter in Customer scope
26	Fire Fighting Equipments	X	X	In customers scope
27	Miscellaneous Safety Equipment	✓	X	PPE in TATA POWER Scope (On returnable basis)
28	Spares and Consumables	✓	X	Considered
Services				
1	Design & Engineering of Plant	✓	X	In TATA POWER Scope
2	Erection, Testing & Commissioning of Plant	✓	X	In TATA POWER Scope
3	Foundation for ACDB	✓	X	In TATA POWER Scope
4	Land Levelling and Grading	X	X	NA (Installation being on RCC Roofs)
5	Cable Trenches	X	✓	Existing Trenches considered
6	Control Rooms (RCC/PEB)	X	✓	Existing Covered Space In Control Room considered
7	Water Drainage	X	✓	In Customer Scope. Existing Drainage Considered
Miscellaneous				
	Water and Electricity	X	✓	Supply of Free Water and Free Electricity in Customer Scope during I&C and O&M (If Appl.)
	Liasoning & Safety/ Regulatory Approvals	✓	X	We have considered CEIG approval & Net Metering. All the statutory fees and hardware costs shall be borne by the TATA.
	Transportation	✓	X	Considered
	Transit Insurance	✓	X	Considered
	Erection Insurance	✓	X	Considered
	Operation and Maintenance of Plant- Not quoted	✓	X	Considered for 1 year

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Cheruthuruthy
Dr. JOSE P. THERAYIL
Principal

Jyothi Engineering College
Cheruthuruthy - 679531



15. Any delay in any government or statutory including but not limited to Net Metering approval (as per agreed scope) from the competent authority does not entitle customers to shut down the plant since the approval is beyond customer control. Customers shall be liable to pay the entire payment as mentioned in this proposal for the solar power plant generating system.
16. Customer to provide documentation support to TATA POWER for the approvals as per the agreed scope above including but not limited to updated CEIG approved drawings of the plant as existing.
17. TATA POWER is responsible for all the liasoning charges with the state DISCOM for the approvals as per the agreed scope. However, all statutory fees as well as net metering/approval hardware upgrade cost (as recommended by DISCOM) shall be borne by the Customer.
18. Commissioning or Commissioned shall mean, in relation to the solar power plant, the date on which the solar power plant starts injecting power at the Delivery Point.
19. Deemed Commissioning shall be construed as Commissioning if the solar power plant has achieved mechanical completion and its Commissioning is not possible for the lack of evacuation infrastructure or due to any other obligations of the customer during construction period.
20. Delivery Point (s) shall mean the connection point(s) of the solar power plant to the existing electrical system of the customer, which shall be the solar power plant's AC distribution board, connected to the customer's LT panel.

2.2.6 Exclusions

Please note the following exclusions in our technical proposal:

1. Operation & Maintenance for 1 year is considered. A separate order may be placed for additional O&M.
2. Computer, internet connectivity and related hardware
3. Free Power and Water for construction.
4. Water at a pressure of 6 bar on the roof level for each of the roofs along with Water cleaning arrangement.
5. Customer will provide the sheet roof for solar panel installation. Tata Power need to assure that roof has load bearing capacity before module placing

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3. Safety

Safety is a core value in the Tata Power Group. We adhere to the highest standards of safety and work in a way that considers methods to mitigate and eliminate the risks and hazards that arise during the course of Solar Rooftop Installations at your facility.

1. Inverters complying with the latest safety standards in the Industry

Anti-Islanding Protection / Grid Regulation	VDE-AR-N 4105; VDE 0126-1-1
EMC	EN 61000-6-2; EN 61000-6-4
Safety	IEC 62109-1/-2
Efficiency	IEC 61683: 1999
Environmental Testing	IEC 60068-2-1; IEC 60068-2-2; IEC 60068-2-14; IEC 60068-2-30; IEC 60068-2-6; IEC 60068-2-21; IEC 60068-2-78 (As Per MNRE/SECI Requirement)
Ingress Protection	IEC 60529

2. Other In-built Protections in Inverters

AC/DC Disconnection Switch	Yes
Ground Fault Monitoring / Grid Monitoring	Yes
DC Reverse Polarity Protection	Yes
DC and AC Over Voltage / Current Limitation Protection	Yes
DC and AC Short Circuit Protection	Yes
DC String Fuse (Positive & Negative)	Yes, PV Fuse – 1000V, 15A
Surge Protection – Inbuilt	Yes, Type 2 DC – (One for each MPPT) & AC input

3. Breakers are used at Grid Interface Panel (GIP) and Inverter Interface Panel (IIP) levels in the required number to provide optimum protection to the electrical system.

4. All Cables complying with ISO 9001-2008 and OHSAS 18001-2007 standards are used, in compliance with standard industry safety requirements.

5. DC Cable Safety Standards

Low Smoke emission	As per IEC 61034 / EN50268-2
Flame Retardant	As per IEC 60332-1 / UL 1581 1061 / VW1
Fire load	As per DIN 51900
No Hazardous and toxic substance	As per EU-Directive 2002/95/EG (ROHS) / PAK
Weight	60 Kg $\pm$ 10%
Estimated Life	25 Years

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4. Commercial Offer

4.1 Price for design, supply, installation, testing and commissioning

Commercial Proposal for Design, Engineering, Supply, Transportation, Installation, Testing & Commissioning of Solar Power Plant as per bill of material above:

Commercials - Solar Power Plant- 80.56KWp	
Description	Total (INR)
Basic Project Cost for Design, Supply, Installation, Transportation, Testing and Commissioning of 80.56kWp Rooftop Solar Power Plants Including:	
• CEIG Fee	₹ 41,64,952/-
• Walkway and Safety line Charge	
• RPR Charge	
• Additional Cabling Charge	
GST @ 13.8%	₹ 5,74,764/-
TOTAL PRICE	₹ 47,39,716/-

KSEB registration charges which are refundable by KSEBL post commissioning are not included in the above price. All the prices mentioned above are inclusive of taxes. Taxes and Duties shall be applicable as per the central and state government directives at the time of dispatch and installation and commissioning of the plant.

List of Materials under Customer Scope

- Contract Demand/Connected load Enhancement for Electrical Inspectorate/ KSEB requirement is under customer scope.
- If CT/ PT change required charge will be additional.

KSEB Feasibility Amount	₹ 1,180/-	to monitor
KSEB Registration charges 1000 PER KW + 18% (80% refund as per KSEB norms)	₹ 95,580/-	
TOTAL	₹ 1,66,760/-	
Access to the roof	TO BE ACTUALS	
Module Cleaning System	TO BE ACTUALS	

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Cheruthuruthy - 679531

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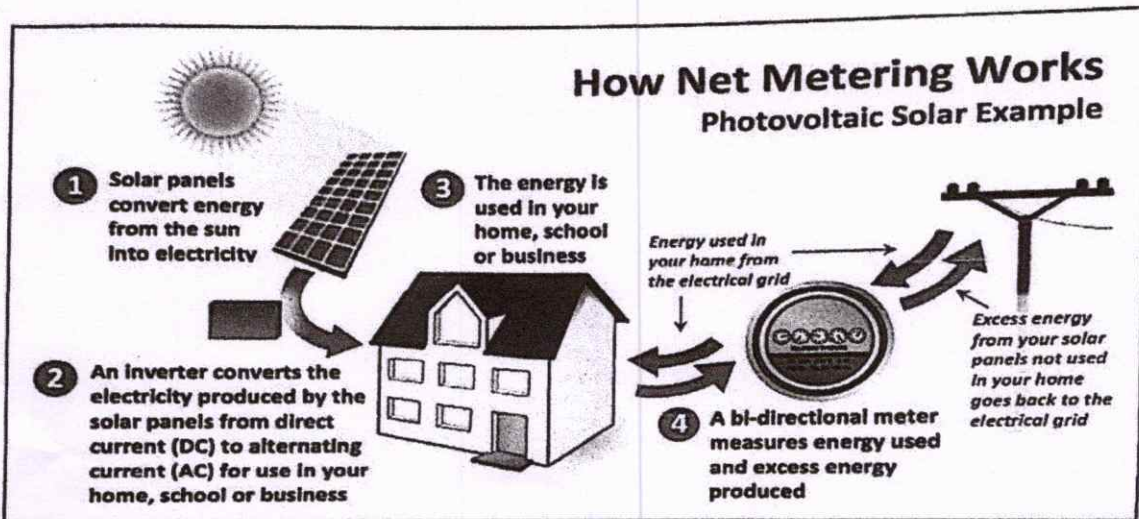
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2. Technical Proposal

2.1 Working Principle of Grid Connected Solar Project



2.2 Technical Details – Project specific

2.2.1 Area Wise Capacity Bifurcation

Area - Wise Capacity Bifurcation					
JYOTHI ENGINEERING COLLEGE.					
Sr. No.	Location	Building/ Area Name	Roof type/Ground mounted	Installation type	Capacity(KWp)
1.	THRISSUR	THRISSUR	LONGRAIL	Grid - tied	80.56



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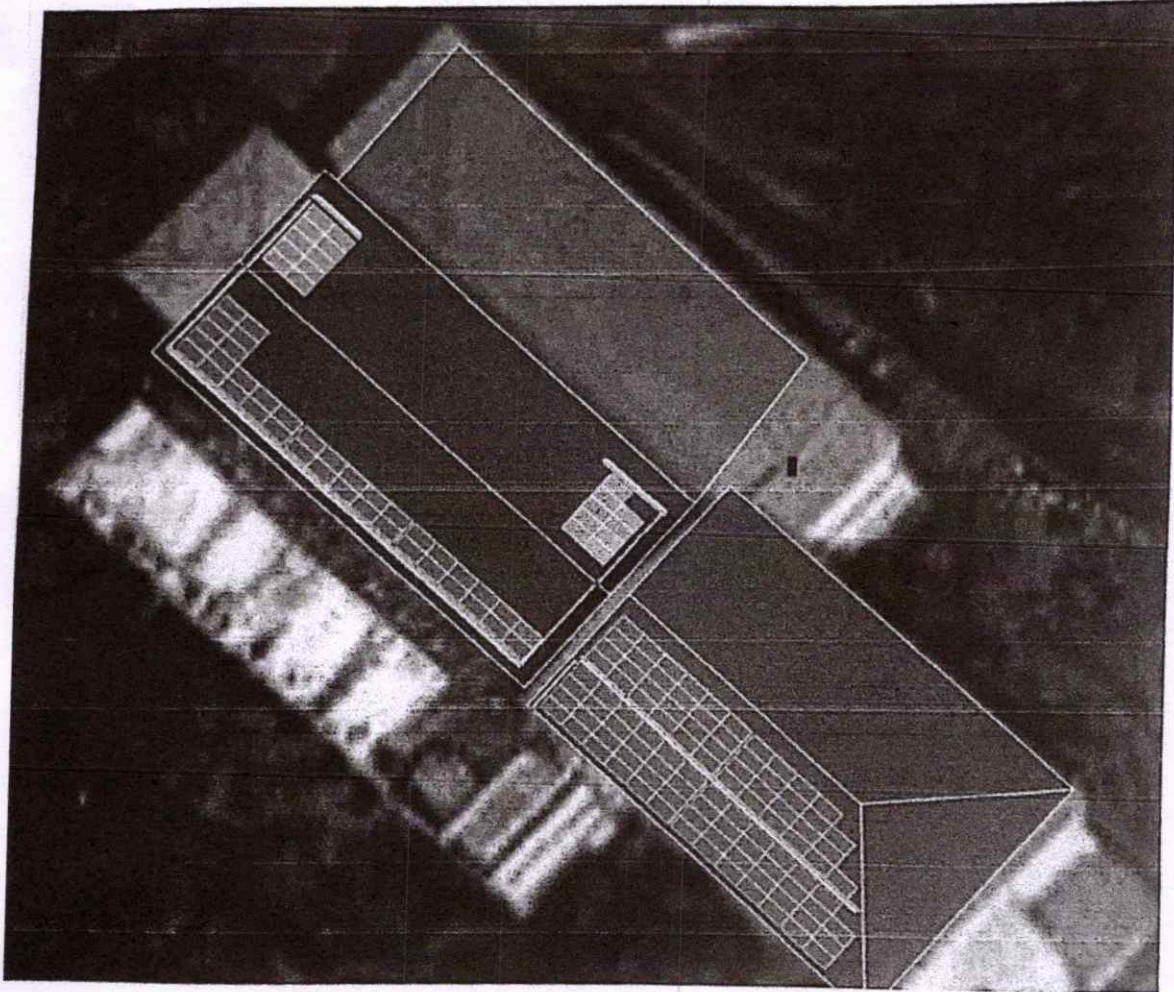
Dr. JOSE P THERATTIL
Principal
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Cheruthuruthy - 685511



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2.2.2 Proposed Array Layout

Proposal Link: <https://app.arka360.com/stage/16a1d59d-9fd4-4e97-a6e3-a7a89a04d608>



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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
Fax 1878, 274879
E-mail 777
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
RHF : (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. 5/23/2009/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
	Add Extra for supplying higher Quality (LEONICS Brand) Inverter.			5,90,000.00
	Total			50,00,000.00

VARGHESE RUTHUR
SECRETARY
CATHOLIC EDUCATIONAL TRUST
A CENTRE OF HIGH



BY ARCHDIOCESE OF TRICHUR

Dr. SURESH KALAYATHANKAL
M.Sc., M.Phil., B.Ed
Science), Ph.D (Maths)
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Cheruthuruthy P.O. - 679 531



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Test Report for Solar Plant Installation

(In duplicate)

of Section: Cheruthuruthy

Date: 16/07/2019

Name of Division: Wadakkancherry 16/07/2019

Consumer Particulars

Name and address of the solar plant owner: Jyothi Engineering College

Solar Plant Identification Number (SPIN), if required

Capacity of Solar Plant: 60 kW

Connected load: 1.00 kVA (CD) 715.54 W Consumer Number: H7/1356920001862

Connected load: 1.00 kVA (CD) 715.54 W Consumer category: H7 (D/E)

Voltage and number of Phases: 415V, 3 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	0.3	
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:

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16/07/19

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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 - (2013-14)

M/s Radiant Solar (P) Ltd.

Ledger Account

1-Apr-2013 to 31-Mar-2014

Date	Particulars	Vch Type	Vch No.	Debit	Page 1 Credit
16-8-2013	Cr Federal Bank A/c - 101	Cash/Bank Payment	1326	15,00,000.00	
	Others				
	On Account				
		15,00,000.00	Dr		
	BEING 30% ADVACNE PAID FOR SOLAR SYSTEMS				
19-2-2014	Cr Federal Bank A/c - 101	Cash/Bank Payment	2552	20,00,000.00	
	Others				
	On Account				
		20,00,000.00	Dr		
	BEING BALANCE PART PAYMENT MADE3 ON DELIVERY OF PANNELS & EQUIPPMENTS ON SITE.				
				35,00,000.00	
Dr	Closing Balance				35,00,000.00
				35,00,000.00	35,00,000.00

[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
 Cheruthuruthy P.O. - 679 531

JYOTHI ENGINEERING COLLEGE - (14-15)

M/s Radiant Solar (P) Ltd.

Ledger Account

1-Apr-2014 to 31-Mar-2015

Date	Particulars	Vch Type	Vch No.	Debit	Credit
1-4-2014	Cr Opening Balance				
				35,00,000.00	
8-4-2014	Cr Federal Bank A/c - 101	Cash/Bank Payment			
	Cheque	10031406	8-4-2014	10,00,000.00	
	On Account			10,00,000.00	Dr
	BEING PARTIAL ADVANCE PAID FOR SOLAR SYSTEM.				
29-4-2014	Cr Federal Bank A/c - 101	Cash/Bank Payment			
	Cheque	10031457	29-4-2014	3,00,000.00	
	On Account			3,00,000.00	Dr
	BEING PARTIAL ADVANCE PAID FOR SOLAR SYSTEM.				
17-7-2014	Dr Solar System	Journal			
	On Account		524		50,00,000.00
				50,00,000.00	Cr
	BEING SOLAR SYSTEM CAPITALIZED.				
	Cr Federal Bank A/c - 101	Cash/Bank Payment			
	Cheque	10033077	17-7-2014	2,00,000.00	
	On Account			2,00,000.00	Dr
	BEING PARTIAL ADVANCE PAID FOR SOLAR SYSTEM.				
				50,00,000.00	50,00,000.00


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 - (2013-14)

M/s Radiant Solar (P) Ltd.

Ledger Account

1-Apr-2013 to 31-Mar-2014

Date	Particulars	Vch Type	Vch No.	Debit	Page 1 Credit
16-8-2013	Cr Federal Bank A/c - 101	Cash/Bank Payment	1326	15,00,000.00	
	Others				
	On Account	15,00,000.00 Dr	15,00,000.00 Cr		
	BEING 30% ADVACNE PAID FOR SOLAR SYSTEMS				
19-2-2014	Cr Federal Bank A/c - 101	Cash/Bank Payment	2552	20,00,000.00	
	Others				
	On Account	20,00,000.00 Dr	20,00,000.00 Cr		
	BEING BALANCE PART PAYMENT MADE3 ON DELIVERY OF PANNELS & EQUIPPMENTS ON SITE.				
Dr	Closing Balance			35,00,000.00	
					35,00,000.00
				35,00,000.00	35,00,000.00

[Signature]
Dr. SUNNY JOSEPH KALAYATHANKAL
 M.Tech, MCA, M.Sc, M.Phil, B.Ed
 Ph.D (Computer Science), Ph.D (Maths)
 PRINCIPAL
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JYOTHI ENGINEERING COLLEGE - (14-15)

M/s Radiant Solar (P) Ltd.

Ledger Account

1-Apr-2014 to 31-Mar-2015

Date	Particulars	Vch Type	Vch No.	Debit	Credit
1-4-2014	Cr Opening Balance				
				35,00,000.00	
8-4-2014	Cr Federal Bank A/c - 101	Cash/Bank Payment			
	Cheque	10031406	8-4-2014	10,00,000.00	
	On Account			10,00,000.00	Dr
	BEING PARTIAL ADVANCE PAID FOR SOLAR SYSTEM.				
29-4-2014	Cr Federal Bank A/c - 101	Cash/Bank Payment			
	Cheque	10031457	29-4-2014	3,00,000.00	
	On Account			3,00,000.00	Dr
	BEING PARTIAL ADVANCE PAID FOR SOLAR SYSTEM.				
17-7-2014	Dr Solar System	Journal			
	On Account		524		50,00,000.00
				50,00,000.00	Cr
	BEING SOLAR SYSTEM CAPITALIZED.				
	Cr Federal Bank A/c - 101	Cash/Bank Payment			
	Cheque	10033077	17-7-2014	2,00,000.00	
	On Account			2,00,000.00	Dr
	BEING PARTIAL ADVANCE PAID FOR SOLAR SYSTEM.				
				50,00,000.00	50,00,000.00


Dr. SUNNY JOSEPH KALAYATHANKAL
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JYOTHI ENGINEERING COLLEGE - (20-21)

Ph : 04884-274198

E-mail : accounts@jecc.ac.in

Jyothi Hills, Panjal Road, Vettikkattiri(P.O), Cheruthuruthy

Creating Intelligence
Leading for Tomorrow

BANK PAYMENT

Voucher No : 1190

Date : 6-Mar-2021

Paid to BEING 50 % ADVANCE PAID FOR SUPPLY & INSTALLATION OF SOLAR POWER SYSTEM.

Bank Federal Bank A/c -15250100001019

Cheque No 10233036 *Dates* 6-Mar-2021

Particulars

Particulars	Amount
M/s Nextsol Energy Solutions (Joshy M J)	1,56,000.00
TDS Payable-Contractors	1,170.00

TOTAL 1,54,830.00

Amount in words **One Lakh Fifty Four Thousand Eight Hundred Thirty Only**

Prepared By

Authorised By

Receivers Signature

Tax Invoice

NEXTSOL ENERGY SOLUTIONS
10/520-1/A, OLR/11A/41/2013-14
SMART SHOPPE COMPLEX, COMPANY PADI,
OLLUR, THIRISSUR
PIN 68010193
GSTIN/UIN: 32AFTPJ2501F1ZG
State Name : Kerala, Code : 32
E-Mail: nextsolenergy@gmail.com

Buyer
JYOTHI ENGINEERING COLLEGE
CHERUTHURUTHY
State Name : Kerala, Code : 32

Invoice No	e-Way Bill No	Dated
NNE-2071-0023		22-Mar-2021
Delivery Note		Mode/Terms of Payment
Supplier's Ref.		Other Reference(s)
Buyer's Order No		Dated
Despatch Document No.		Delivery Note Date
Despatched through		Destination
Terms of Delivery		

Description of Goods	HSN/SAC	KFC Rate	Quantity	Rate	per	Disc. %	Amount
1 Growatt Make 60kw Three Phase Inverter with Wifi	8504	0 %	1 NOS	2,02,993.33	NOS		2,02,993.33
2 OTHER ELECTRICAL ACCESSORIES&LABOUR COST	8503	1 %	1 NOS	30,252.10	NOS		30,252.10
							2,03,245.43
Output Tax Cgst@2.5%				2.50 %			0,574.83
Output Tax Cgst@9%				9 %			2,722.69
Output Tax Sgst@2.5%				2.50 %			0,574.83
Output Tax Sgst@9%				9 %			2,722.69
KERALA FLOOD CESS@1%				1 %			302.52
ROUND OFF							0.01
Total			2 NOS				3,12,143.00

Amount Chargeable (in words)

E. & O.E

NR Three Lakh Twelve Thousand One Hundred Forty Three Only

HSN/SAC	Taxable Value	Central Tax Rate	Central Tax Amount	State Tax Rate	State Tax Amount	Total Tax Amount
1504	2,02,993.33	2.50%	0,574.83	2.50%	0,574.83	13,149.00
2503	30,252.10	9%	2,722.69	9%	2,722.69	5,445.38
Total	2,93,245.43		9,297.52		9,297.52	18,595.04

Tax Amount (in words) : INR Eighteen Thousand Five Hundred Ninety Five and Four paise Only

Company's Bank Details

Bank Name : BANK OF BARODA
A/c No. : 52250200000099
Branch & IFS Code : OLLUR & BARB0OLLURX

Declaration

We declare that this invoice shows the actual price of the goods described and that all particulars are true and correct.

For NEXTSOL ENERGY SOLUTIONS

Authorised Signatory



Handwritten signature in blue ink.

