



**Maharashtra Academy of Engineering and Educational
Research's**

**MIT Arts, Commerce and Science College, Alandi (D) –
412 105.**

**7.1.2 Alternate sources of energy and energy
conservation measures -**

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7.1.2

Environmental Consciousness and Sustainability

The institute has facilities for alternate sources of energy and energy conservation measures

6. Solar Energy

8. Wheeling to the grid

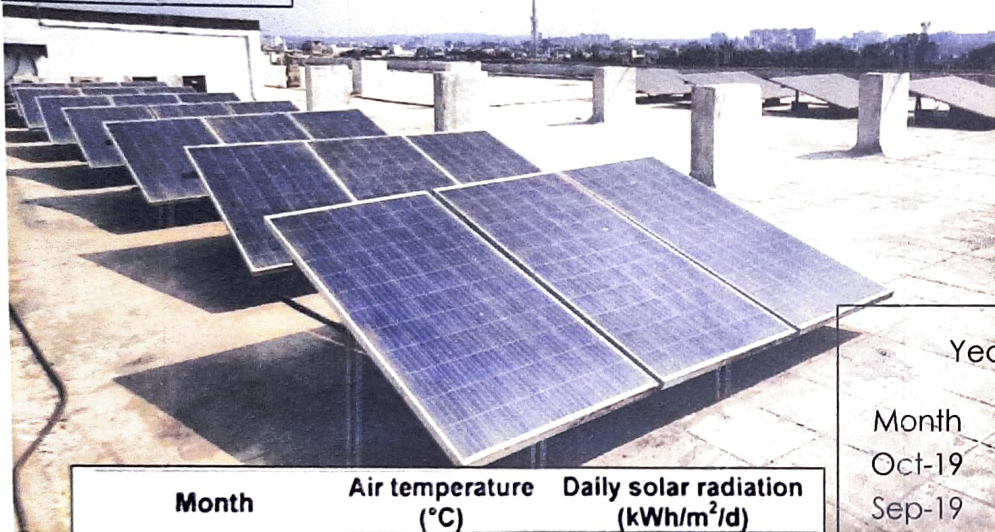
10. Use of LED bulbs/ Power efficient equipments

Alternative Sources of energy and energy conservation measures

6

Solar Energy - Grid Connected

18 40'23.67"N
73 53'21.65'E



Solar Energy

Solar PV installation done from August 2019

Month	Air temperature (°C)	Daily solar radiation (kWh/m ² /d)
January	20.5	6.74
February	22.0	7.22
March	25.6	6.50
April	28.8	6.39
May	29.7	7.04
June	27.4	3.70
July	25.3	2.14
August	24.5	2.15
September	25.1	4.19
October	25.0	6.03
November	22.3	6.50
December	20.2	6.75
Annual	24.7	5.44

Year 2019		Year 2020		
Month	Units	Month	Units	
Oct-19	9,186.00	Oct-18	14,400.00	5214 unit of saving from last year
Sep-19	12,157.00	Sep-18	14,917.00	2760 unit of saving from last year
Aug-19	12,906.00	Aug-18	14,234.00	1328 unit of saving from last year
Jul-19	15,264.00	Jul-18	14,008.00	
Jun-19	10,515.00	Jun-18	10,742.00	
May-19	10,428.00	May-18	9,841.00	
Apr-19	11,868.00	Apr-18	11,536.00	
Mar-19	12,947.00	Mar-18	14,023.00	
Feb-19	11,337.00	Feb-18	10,558.00	
Jan-19	10,714.00	Jan-18	10,394.00	
		Dec-18	10,750.00	
		Nov-18	8,809.00	

Solar system tax Invoice

Tax Invoice

SEVEN GREENS SOLAR SYSTEMS PVT. LTD. Room No. 33-34, Bldg. No. 1, Shriram CHS, M.H.B. Colony, Kher Nagar, Bandra (E), Mumbai-400051, Maharashtra, India. GSTIN/UIN: 27AAQCS0641G1Z9 State Name : Maharashtra, Code : 27 CIN: U37100MH2011PTC219418 E-Mail : info@7greens.in	Invoice No.	Dated
	008/03/18-19	13-Mar-2019
	Delivery Note	Mode/Terms of Payment
	1180/18-19	
	Supplier's Ref.	Other Reference(s)
	127	
Buyer MIT ACS College Alandi,Pune GSTIN/UIN : 27AAAAM1206F1Z6 State Name : Maharashtra, Code : 27	Buyer's Order No.	Dated
	1712/18-19	17-Dec-2018
	Despatch Document No.	Delivery Note Date
		28-Feb-2019
	Despatched through	Destination
	Super Sonic	Blue Ridge - Pune
	Terms of Delivery	

Sl No	Description of Goods	HSN/SAC	Quantity	Rate	per	Disc. %	Amount
1	Supply of 13.44 Kw On Grid Power Pack System	8400	1.00 Nos	6,06,010.00	Nos		6,06,010.00
	<i>Out Put CGST-2.5%</i>						15,150.25
	<i>Output SGST-2.5%</i>						15,150.25
	<i>Less : Round Off</i>						(-)0.50
	Total		1.00 Nos				₹ 6,36,310.00

Amount Chargeable (in words)

E. & O.E

INR Six Lakh Thirty Six Thousand Three Hundred Ten Only

HSN/SAC	Taxable Value	Central Tax		State Tax		Total Tax Amount
		Rate	Amount	Rate	Amount	
8400	6,06,010.00	2.50%	15,150.25	2.50%	15,150.25	30,300.50
Total	6,06,010.00		15,150.25		15,150.25	30,300.50

Tax Amount (in words) : **INR Thirty Thousand Three Hundred and Fifty paise Only**

Company's PAN : **AAQCS0641G**

Declaration

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

for **SEVEN GREENS SOLAR SYSTEMS PVT. LTD.**

Authorised Signatory

Solar system tax Invoice

SEVEN GREENS SOLAR SYSTEMS PVT. LTD.

Room No. 33-34, Bldg. No. 1, Shriram CHS, M.H.B. Colony,
Kher Nagar, Bandra (E), Mumbai-400051, Maharashtra, India.
CIN: U37100MH2011PTC219418

MIT ACS College Alandi,Pune

Ledger Account

Opp. Gajanan maharaj shanstha,
Dehu road,Alandi,Pune - 412105.

1-Apr-2018 to 5-Mar-2020

Page 1

Date	Particulars	Vch Type	Vch No.	Debit	Credit
28-2-2019	By NKGSB CC 1166	Receipt	519		2,45,000.00
13-3-2019	To Sales GST 5%	GST 18%	008/03/18-19	6,36,310.00	
				6,36,310.00	2,45,000.00
	By Closing Balance				3,91,310.00
				6,36,310.00	6,36,310.00
1-4-2019	To Opening Balance			3,91,310.00	
30-6-2019	To Sales GST 18%	GST 18%	051/06/19-20	15,000.00	
				4,06,310.00	
	By Closing Balance				4,06,310.00
				4,06,310.00	4,06,310.00

Solar system tax Invoice

SEVEN GREENS SOLAR SYSTEMS PVT. LTD.
Room No. 33-34, Bldg. No. 1, Shriram CHS, M.H.B. Colony,
Kher Nagar, Bandra (E), Mumbai-400051, Maharashtra, India.
State Name : Maharashtra, Code : 27
CIN: U37100MH2011PTC219418
E-Mail : info@7greens.in

Receipt Voucher

No. : **519**

Dated : ~~28 Feb 2019~~

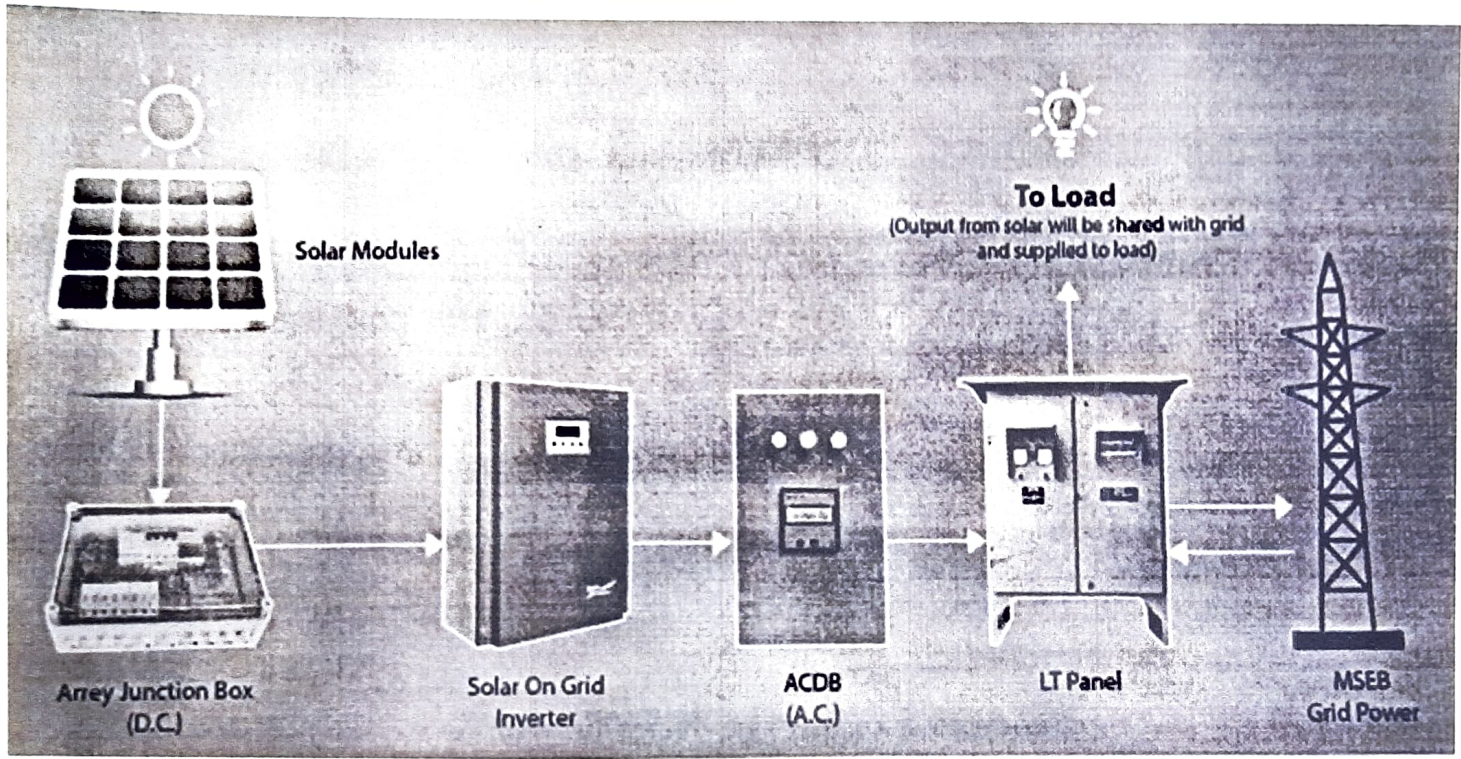
Particulars	Amount
Account : MIT ACS College Alandi,Pune	2,45,000.00
Through : NKGSB CC 1166	
On Account of : chq no-125442 date-28/2/19 bank of maharashtra	
Amount (in words) : INR Two Lakh Forty Five Thousand Only	
	<u>₹ 2,45,000.00</u>

Authorised Signatory

Solar Energy - Grid Connected

8

Wheeling to the grid



System type	Grid-Connected	
Average Height	3.3°	
tilt	18°	
Model	WS-315	azimuth 0°
Nb. of modules	32	Pnom 315 Wp
Solar Inverter	SOLIVIA 10 EU T4 TL	Pnom total 10.08 kWp
Unlimited load (grid)		Pnom 10.00 kW ac

Purchas order is attached

Sensor based energy conservation tax invoice



Digital Electronics

Invoice

Digital Electronics & Electrical

(Govt. Regd. No-As per Shop act.1948 rule 6 MH-Pune Ch.No547/III/34032(PN-0113191)
Near, Agriculture College Campus, Shivajinagar, Pune. (Email: digitalelectronics.electrical@gmail.com)
Pune, Maharashtra 411005

Bill to:
MIT Art's Commerce Science & College, Alandi
Principal MIT ACSC Alandi
Dehu Phata
Alandi
Pune, Maharashtra 412105

Invoice # 0288
Invoice Date 15/02/2020

Item	Description	Unit Price	Qty	Subtotal
LDR	LDR - 20mm	25	4	100
LIS	Light Intensity Sensor CKT.	350	4	1,400
Relay driver	Relay driver circuit. 100w	300	4	1,200
Relay	Electro Magnetic relay. 100w	200	4	800
LSA	Light Sensitivity Attenuator	150	4	600
Power Supply	PCB, Rectifier, Filter Capacitor, Regulator.	220	4	880

Total: Rs. 4,980

Paid: -Rs. 4,980

Balance Due: Rs. 0



• **Total Amount (In words)** : Four Thousand Nine Hundred and eighty Only.

For, Digital Electronics & Electrical, Pune.



Authorized Signatory

Sensor based energy conservation tax invoice



Digital Electronics

Invoice

Digital Electronics & Electrical

(Govt. Regd. No-As per Shop act.1948 rule 6 MH-Pune Ch.No547/II/34032(PN-0113191)
Near, Agriculture College Campus, Shivajinagar, Pune. (Email: digitalelectronics.electrical@gmail.com)
Pune, Maharashtra 411005

Bill to:

MIT Art's Commerce Science & College, Alandi
Principal MIT ACSC Alandi
Dehu Phata
Alandi
Pune, Maharashtra 412105

Invoice # 0302
Invoice Date 21/02/2020

Item	Description	Unit Price	Qty	Subtotal
Cabinet	PVC 13. Cabinet with fitting set	65	4	260
Connector	I/O Connector	15	4	60
Wire	Connecting Wires	25	1	25
Tape	Dual Side Tape	12	2	24
Glass Cap	Sensor prism	45	4	180

Total: Rs. 549

Paid: -Rs. 549

Balance Due: Rs. 0



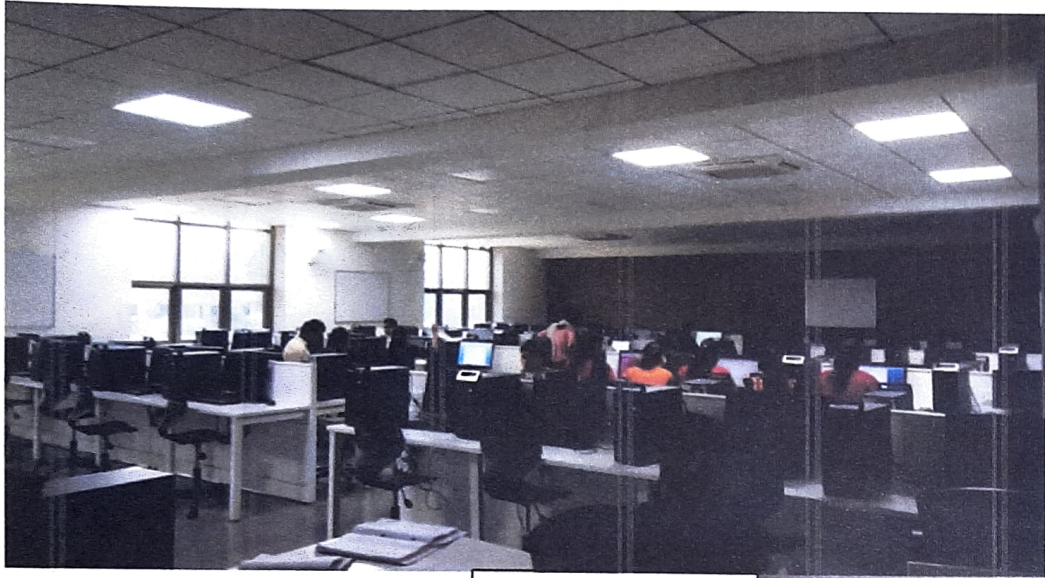
• **Total Amount (In words) :** Five Hundred and Forty Nine Only.



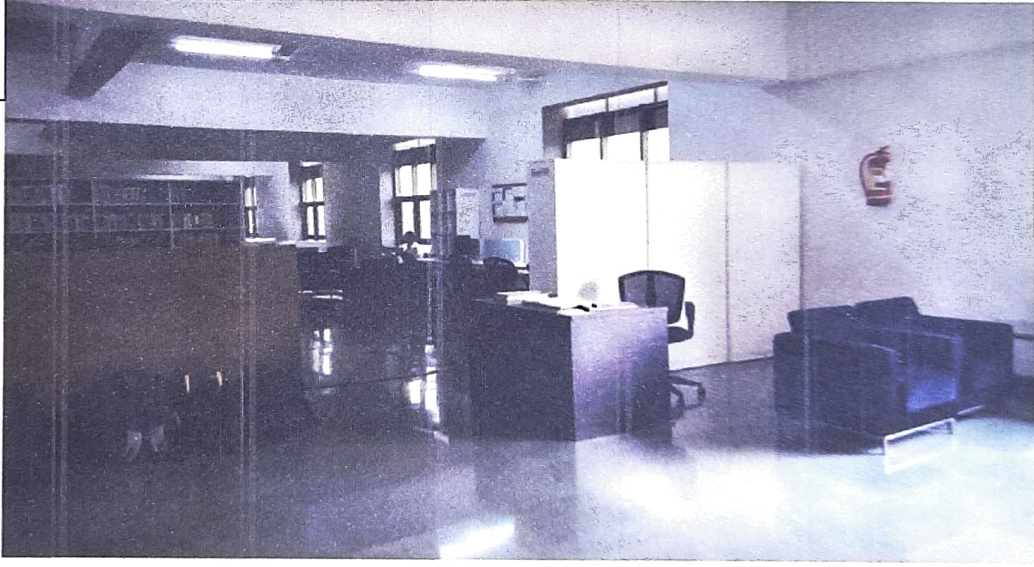
For, Digital Electronics & Electrical, Pune.

Authorized Signatory

Use of LED bulbs/ Power efficient equipments



18 40'23.67"N
73 53'21.65'E



LED Bulbs Tax Invoice

THAKUR SHROFF & ELECTRIC COMPANY

WHOLESALE ELECTRICAL DEALERS, INDUSTRIAL & GOVT. SUPPLIERS
 St. No. 1/3 B, Opp. Bhairavnath Temple, Majue Dhayari, (Out of PMC Limit), Tal. Haveli, Dist. Pune
 Mobile : 9225505521, 24454527, 24459225
 Website : www.thakurshroff.com E-mail : tshroff123@gmail.com

CHALLAN CUM INVOICE TAX INVOICE

CUSTOMER COPY
ACCOUNTS COPY

To
H. I. T. PRIMARY ENG. MED. SCHOOL
S. NO. 124, PAUD ROAD,
KOTHRUD,
PUNE 411038
VAT TIN:

Tax Invoice No. : 241141 Date : 06.2016
 P. O. No. :
 Vendor Code No. :
 Mode of Despatch :
 GRN No. Date :

SR. NO.	ITEM CODE	DESCRIPTION	[VAT %]	QUANTITY	UNIT	RATE	DISCOUNT	AMOUNT
1	HAV LED TUBE PPIDE18	HAV LED TUBE PRIDE 18W	12.50	242.000	NOS	500.00		121000.00
2	HAV CCEL FAN 48"SS390	(FRCSSSTWMT48) 48" CEILING FAN SS390 HEAVY DUTY.	12.50	314.000	NOS	1475.00		463150.00

Entered in Dead Stock Register Section 177
 Dead Stock No. MAER/MIT ACSC 08/01/02 to 3/14

Checked by section / Jagadish Jeygo

Net Amount : 584150.00
 Tipt. Charges : 1200.00
 VAT : 12.50% : 73168.75
 Grand Total : 658519.00

AMOUNT IN WORDS: Rs. Six Lacs Fifty Eight Thousand Five Hundred Ninteen Only
 TERMS: (1) Subject to Pune Jurisdiction (2) Goods once sold will not be taken back (3) Our responsibility ceases once goods have left our premises (4) Loss of interest @ 18% will be charged if payment is not made on due date. (E.&O.E.)

Prepared by 019
 Checked by [Signature]
 Received above material in good condition & order
 Customer's Sign. & Name, Date [Signature]
 For THAKUR SHROFF & ELECTRIC CO. [Signature]
 MANAGER / PARTNER

Regd. Office : 467 & 475, Budhwar Peth, Near Pasodya Vitthoba Temple, Pune - 411 002.

Logos of various brands: POLYCARB, Legrand, L&T SWITCHGEAR, dowell's, HAVELLS, ANCHOR, COSMOS, Salzer, G. I., KUSAM-MECO, IIRRA.

LED Bulbs Tax invoice

॥ श्री जगदंबा प्रसन्न ॥

THAKUR SHROFF & ELECTRIC COMPANY

WHOLESALE ELECTRICAL DEALERS, INDUSTRIAL & GOVT. SUPPLIERS
 Sr. No. 1/3 B, Opp. Bhairavnath Temple, Majue Dhayari, (Out of PMC Limit), Tal. Haveli, Dist. Pune
 Mobile : 9225505521, 24454527, 24459225.
 Website : www.thakurshroff.com E-mail : tshroff123@gmail.com



CHALLAN CUM INVOICE TAX INVOICE

CUSTOMER COPY
ACCOUNTS COPY

To: H/s. M.I.T.PRIMARY ENG.MED.SCHOOL S.NO.124, PAUD ROAD, KOTHRUD. PUNE 411038 VAT TIN:	Tax Invoice No. : 24100 . Date : 06.2016 P. O. No.: Vendor Code No. : Mode of Despatch : GRN No. Date :
----------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------------------------------

SR. NO.	ITEM CODE	DESCRIPTION	(VAT %)	QUANTITY	UNIT	RATE	DISCOUNT	AMOUNT
1	HAY LED TUBE PRIDE1E	HAY LED TUBE PRIDE 18W	5(12.50)	600.000	NOS	500.00		300000.00

(delivered by Jagadish)

Remark : PO NO-MAEER/046/16.17 [MAE]ALANDI-9403713911

We hereby certify that my/our Registration under the Maharashtra Value Added Tax Act, 2002 is in force on the date on which the sale of the goods specified in this Tax Invoice is made by me/us and that the transaction of sale covered by this Tax Invoice has been affected by me/us and it shall be accounted for in the turnover of sale while filing of return and the due tax, if any, payable on sale has been paid or shall be paid.	Net Amount : 300000.00 Trpt.Charges : 800.00 VAT 12.50% : 37600.00 Grand Total : 338400.00
------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------

VAT TIN : 27060001273 V w.e.f. 1/4/2006 ECC No. : AABFT0519Q XD 001
 CST TIN : 27060001273 C w.e.f. 1/4/2006
 REGISTRATION No. : AABFT0519QX0001
 Commissionerate : PUNE III
 Division : IV (Purandhar Division)
 Range : II (Pune City-IV)
 Gen. Ex. No. Dealers : 188 (05/7016400)

AMOUNT IN WORDS: Lacs Thirty Eight Thousand Four Hundred Only
 TERMS : (1) Subject to Pune Jurisdiction (2) Goods once sold will not be taken back (3) Our responsibility ceases once goods have left our premises (4) Loss of interest @ 18% will be charged if payment is not made on due date.

Prepared by 019	Checked by <i>[Signature]</i>	Received above material in good condition & order <i>[Signature]</i> Customer's Sign. & Name, Date	For THAKUR SHROFF & ELECTRIC CO. MANAGER <i>[Signature]</i>
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Payment Due on IMMEDIATE

Regd. Office : 467 & 475, Budhwar Peth, Near Pasodya Vithoba Temple, Pune - 411 002.
