

**7.1.2 The Institution has facilities for alternate source of energy and energy conservation measures**

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### 7.1.2 ALTERNATE SOURCES OF ENERGY AND ENERGY CONSERVATION MEASURES:

In recent years, there has been a growing global emphasis on sustainable and eco-friendly practices. Educational institutes can play a pivotal role in leading these transitions. Utilization of solar energy, a renewable resource holds immense potential for creating cleaner and sustainable future.

Adopting such sustainable technologies helps students to understand how their activities shall create an impact on the environment. Most of the energy needs of the college are fulfilled by these panels therefore this proves to be one among the effective techniques adopted to protect the nature.

Our Institution has constituted the following facilities to ensure the usage of Alternate sources of energy and energy conservation measures.

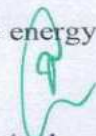
- College installed the **solar energy plant** to generate renewable energy for fulfilling its energy requirements.
- College installed a **solar power water heater** to supply hot water in the college canteen and both the hostel.
- **Sensor based street lights** were installed in the various places of college campus in order for conserving the energy.
- **LED bulbs** are used in various places in the college to reduce the energy consumption and full-fill lighting needs.

The following Alternative sources of energy are available in our campus.

- Solar energy plant & Solar energy water heater
- Sensor based street lights
- LED bulbs to reduce energy consumption

#### Solar Energy Plant & Water Heater

- A solar panel is actually a collection of solar (or photovoltaic) cells, which can be used to generate electricity through photovoltaic effect. These cells are arranged in a gridlike pattern on the surface of solar panels.
- IIP has partially shifted from conventional energy use to renewable energy for fulfilling its energy requirements.



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- IIP has installed a **solar rooftop water heater plant** at boy's, Girl's hostel and staff quarters for **24 hours hot water supply**.
- **5kW ON Grid** solar power plant with inverter is installed on canteen roof in the year 2022, the uninterrupted power supply is being ensured with the help of the above-mentioned renewable source of energy in the canteen and it results in the reduced expenditure of electricity bill.
- Installation of solar panels in homes helps in combating the harmful emissions of greenhouse gases and thus helps reduce global warming. Solar panels do not lead to any form of pollution as they are clean.
  - Type: 5 kW
  - Installed at canteen
  - Month and year of Installation: 20 January 2022


#### **Sensor-based energy conservation**

- Our institute uses the equipment's which always save energy. **Sensor based street lights** were installed and are being maintained in the college in order for conserving the energy as the lights turn on and turn off automatically.

#### **Use of LED bulbs/ Power Efficient Equipment**

- LED bulbs are preferred for lighting as LED bulb consumed around **90 % less power** when compared to incandescent light bulbs. They are highly efficient. LED bulbs are used in various places in the college for full-filling lighting needs.
- They are placed in large quantities in seminar halls, faculty cabins and at places wherever necessary. Street lightings are provided along the pathways to illuminate the surroundings.
- The institute has decided for replacement of conventional CFL and tube light with LED bulbs and tubes.

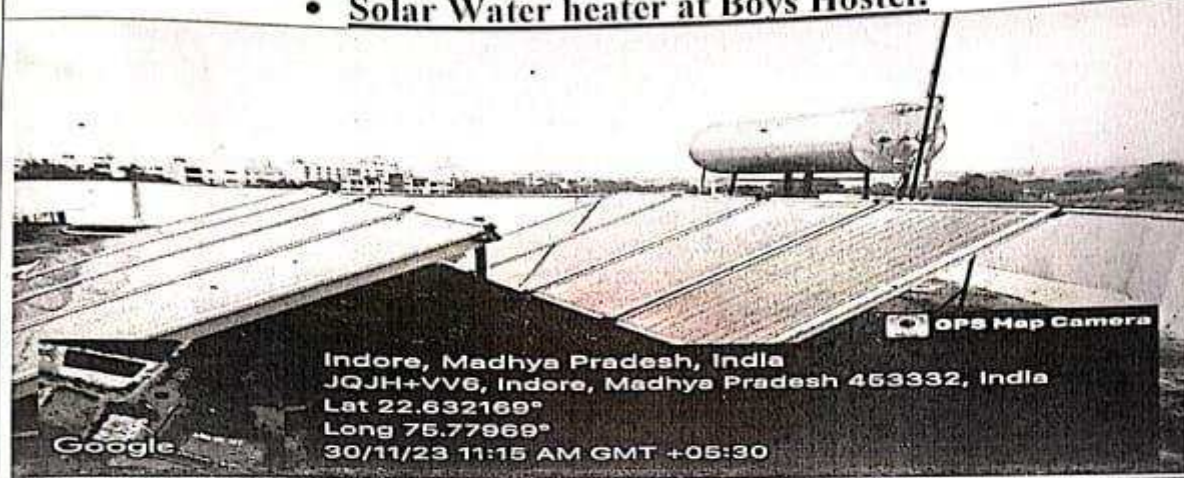


  
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INDORE (M.P.)

7.1.2: *The Institution has facilities for alternate sources of energy and energy conservation measures*


- 7.1.2 The Institution has facilities for alternate sources of energy and energy conservation measures
- Renewable Energy sources @ IIP Indore

- **Solar Water heater at Boys Hostel:**



- **Solar Water heater at Girls Hostel:**



  
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• **Solar Water heater at Staff Quarter:**




GPS Map Camera

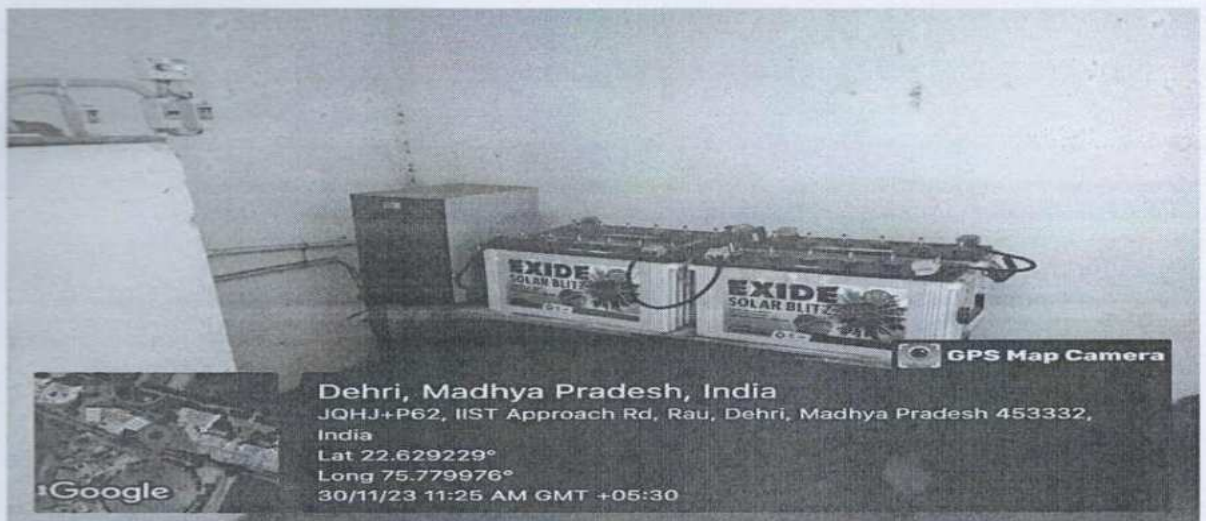
Indore, Madhya Pradesh, India  
JQJJ+MM4, Indore, Madhya Pradesh 453332, India  
Lat 22.631847°  
Long 75.781728°  
30/11/23 11:16 AM GMT +05:30

Google



  
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### Solar Panel & Its Battery Installed at Canteen




  
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**The Institution has facilities for alternate sources of energy and energy conservation measures**

S No	Room No	Room Name	LED Tube Light	CFL 36 Watt	Fan	Power Point	Ex Fan	A/C	8 Inch Light
1	GF 1	Office	6		6	2		1	
2	GF 2	Common Room Girls	6		4	2			
3	GF 3	Pharmaceutics 5th	5		4	7			
4	GF 4	Cabin	1		1				
5	GF 5	Pharmaceutics 4th	4		5	8			
6	GF 6	Pharmaceutics 3rd	4		5	15	1		
7	GF 7	Store	3		3	2	2		
8	GF 8	Exam Control Room	6		2	2			
9	GF 9	Cabin	1		1				
10	GF 10	Pharmaceutics 2nd	4		5	11			
11	GF 11	Cabin	1		1				
12	GF 12	Machine Room	6		8	22			
13	GF 13	Common Room Boys	4		4				
14	GF	Ladies Toilet	1						
15	GF	Gents Toilet	1						
16		Passage	6						
17		Passage (2*2)							
18	FF 1	Computer Lab (2*2)		6	9	2			
19	FF 2	Instrument Room (2*2)		6	9	8		1	
20	FF 3	Quality A Lab	5		2	6			
21	FF 4	Cabin	1		1				
22	FF 5	Pharmaceutical 1st	4		1	7	1		
23	FF 6	Staff Room	6		5				



  
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24	FF 7	Pharmaceutical lab 2nd	5		4	15	2		
25	FF 8	Biotech & Microbiology Lab	6		4	19	1	1	
26	FF 9	Tutorial Room	1		1				
27	FF 10	Cabin	1		1				
28	FF 11	Quality assurance Lab	3		1	14	1		
29	FF 12	Cabin	1		1				
30	FF 13	Computer Lab (2*2)			9	2			
31	FF 14	Computer Lab (2*2)			9	2			
32	FF 15	Computer Lab (2*2)			9	2			
33	FF	Maintenance Office	6		6				
34		Passage	8						
35		Passage (2*2)							
36	SF 1	Library	19		11	4			
37	SF 2	Cabin	1		1				
38	SF 3	HAP Lab	3		4	15	1		
39	SF 4	Pharmacology Lab	3		4	15	1		
40	SF 5	Pharmaceutics Lab - I	3		4	15	1		
41	SF 6	Class Room	3		4				
42	SF 7	Cabin	1		1				
43	SF 8	Class Room	8		10	2			
44	SF 9	Class Room	4		5	2			
45	SF	Ladies Toilet (Left )	2						
46	SF	Gents Toilet (Left )	2						
47	SF	Ladies Toilet (Right)	2						
48	SF	Gents Toilet (Right)	2						
49	SF	Principal Office (8 Inch Light)			6		2	1	60
50		CFL 20 Watt 01 No							
51		CFL 08 Watt 01 No							
52		Passage	14						
53	TF 1	Class Room	3		4				
54	TF 2	D Pharma 1st	2		4	15	1		
55	TF 3	D Pharma 2nd	2		5	15	1		
56	TF 4	Cabin	1						

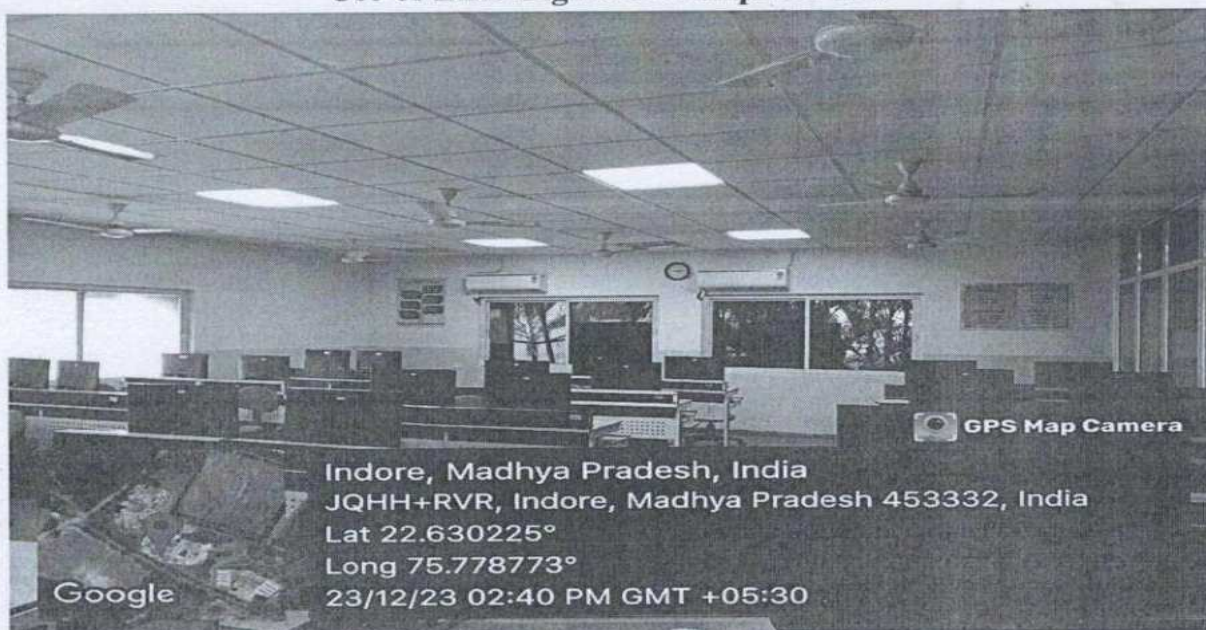



  
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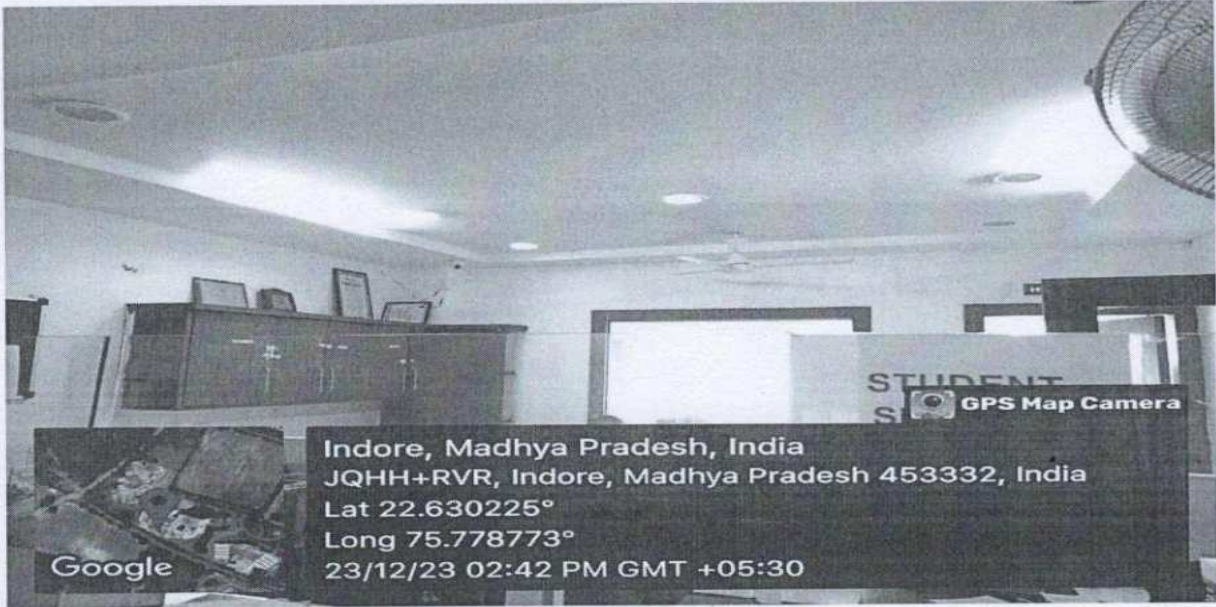
57	TF 5	D Pharma 3rd	3		4	15	1		
58	TF 6	Staff Room	5		5				
59	TF 7	Pharma Tach Lab	3		4	15	1		
60	TF 8	Class Room	3		4				
61	TF 9	Class Room	3		4				
62	TF 10	Cabin	1		1				
63	TF 11	Class Room	6		8	5			
64	TF 12	Class Room	3		4	2			
65	TF 13	Pharmacognosy Lab	17		6	18			
66	TF	Ladies Toilet	2						
67	TF	Gents Toilet	1						
68	TF	Passage	17						
69		Animal House					9	1	
<b>Total</b>			<b>245</b>	<b>12</b>	<b>224</b>	<b>286</b>	<b>26</b>	<b>5</b>	<b>60</b>

### Use of LED Lights at Computer Lab

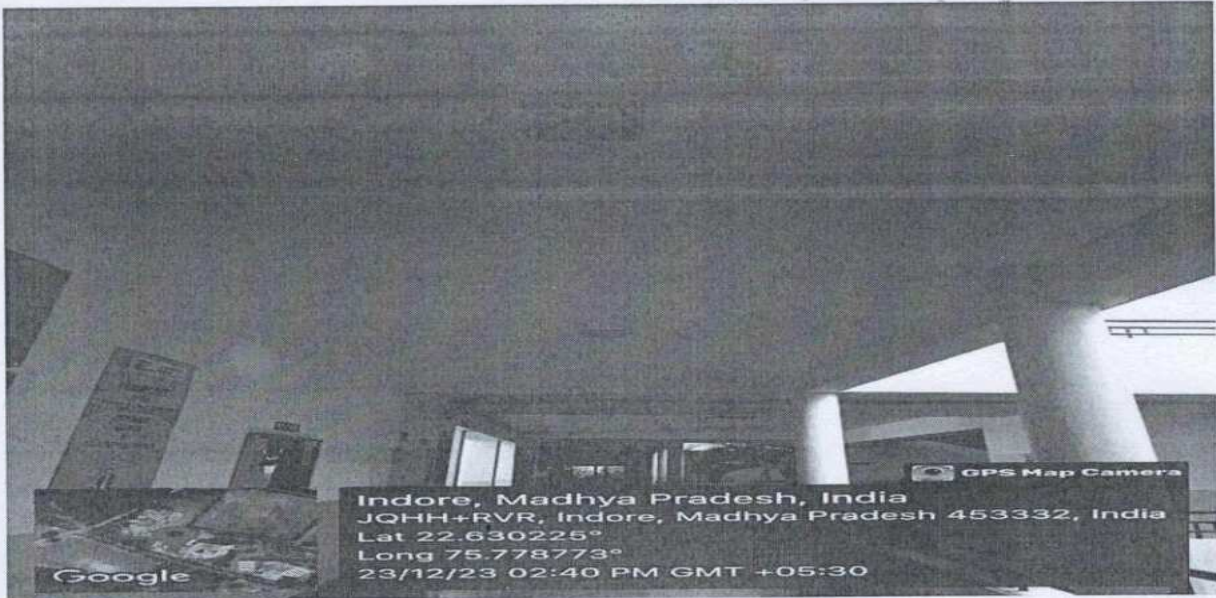



  
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### Use of LED Lights at Office

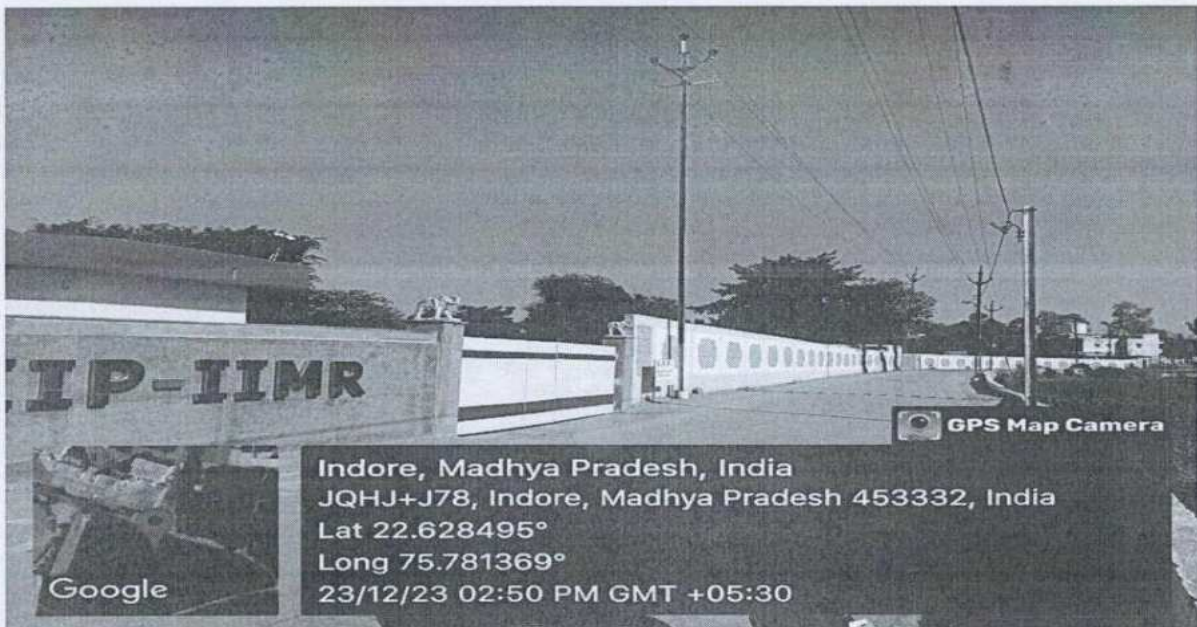
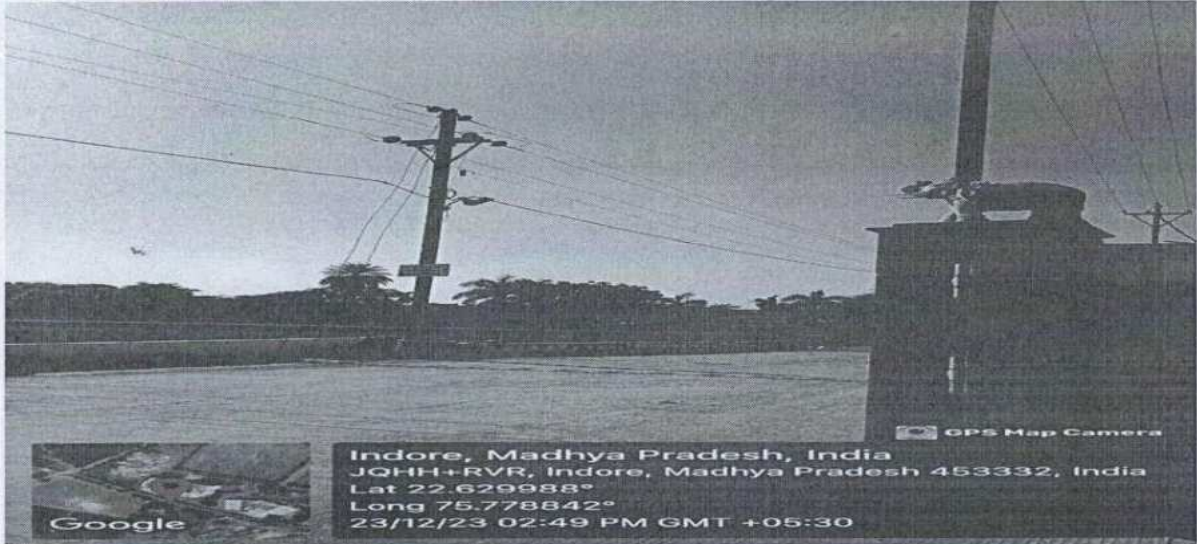



### Use of LED Lights in Corridors

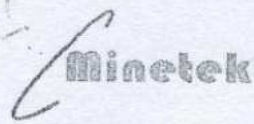


  
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### Use of Sensor based Street Lights



  
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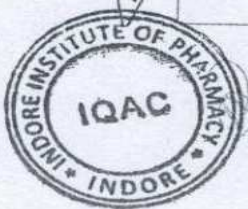


Mine Teknology  
 603/18, Meghdoot Nagar, Indore (M.P.)  
 +91-9826383656, +91-8120872374  
 Email - info.minetek@gmail.com

**TAX INVOICE**

<b>Supplier Detail</b> Mine Teknology 603/18, Meghdoot Nagar Indore-452011 Mob.: 9826383656 GST No. : 23CUJP54239Q1ZV E-Mail: info.minetek@gmail.com		Invoice No. <b>0061/21-22</b> Dated <b>20-Jan-22</b>				
		Delivery Note Mode/Terms of Payment <b>Advance</b>				
		Supplier's Ref. Other Reference(s)				
		Buyer's Order No. <b>SEWS/PO/21-22/266</b> Dated <b>29/12/2021</b>				
<b>Buyer Detail</b> Shail Educational and Welfare Society Pithampur Road, Opposite IIM, Rau, Indore - 453331 (M.P.) Buyer GST No.: NA		<b>Consignee Detail</b> Mr. Puneet Duggal Shail Educational and Welfare Society, Rau Campus Indore ( M.P.) Dispatch Document No. Dated Dispatch Through By Loading Destination: Rau Campus				
Sr.No.	Description of Goods	HSN Code	Rate	Qty	Per	Amount
1	5Kwp Offgrid Solar Power Plant	85	233700	1	Nos	233700.00
<b>Bank Detail</b> Bank Name : Bank Of India Account No. : 881030110000144 IFS Code : BKID0008810 Branch : Sch. No. 54, Vijaynagar, Indore			Total Amount 233,700.00 Frlight 0.00 CGST @ 6% 14022.00 SGST @ 6% 14,022.00 Round off 0.00 Grand Total Amount 261,744.00			
Amount Chargable (in words) <b>Rs Two Lakh Sixty One Thousand Seven Hundred Forty Four Only</b>						
Declaration We declare that this invoice shows the actual price of the goods described and that all particulars are true and correct				For Mine Teknology  Authorized Signatory		

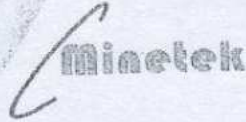
This is a Computer Generated Invoice



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Mine Teknology  
 603/18, Meghdoot Nagar, Indore (M.P.)  
 +91-9826383656, +91-8120872374  
 Email - info.minetek@gmail.com

**TAX INVOICE**

<b>Supplier Detail</b>  Mine Teknology 603/18, Meghdoot Nagar Indore-452011 Mob.: 9826383656 GST No. : 23CUJP54239Q12V E-Mail: info.minetek@gmail.com	Invoice No. 0062/21-22	Dated 20-Jan-22
	Delivery Note	Mode/Terms of Payment Advance
	Supplier's Ref.	Other Reference(s)
	Buyer's Order No. SEWS/PO/21-22/266	Dated 29/12/2021

<b>Buyer Detail</b>  Shail Educational and Welfare Society Pithampur Road, Opposite IIM, Rau, Indore - 453331 (M.P.)  Buyer GST No.: NA	<b>Consignee Detail</b>  Mr. Puneet Duggal Shail Educational and Welfare Society, Rau Campus Indore ( M.P.)	Dispatch Document No.  Dated
		Dispatch Through By Loading
		Destination: Rau Campus

Sr.No.	Description of Goods	HSN Code	Rate	Qty	Per	Amount
1	12V/150Ah Exide Solar Blitz Battery	8507	9531.25	4	Nos	38125.00

<b>Bank Detail</b>  Bank Name : Bank Of India Account No. : 881030110000144 IFS Code : BKID0008810 Branch : Sch. No. 54, Vijaynagar, Indore	Total Amount	38,125.00
	Freight	0.00
	CGST @ 14%	5337.50
	SGST @ 14%	5,337.50
	Round off	0.00
	Grand Total Amount	48,800.00

Amount Chargable (in words)  
 Rs FORTY EIGHT THOUSAND EIGHT HUNDRED ONLY

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

For Mine Teknology  
  
 Authorized Signatory

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 Indore Institute of Pharmacy,  
 INDORE (M.P.)







**Tax Invoice**

**Sahara Bath Gallery**  
 322 Mahatmaji Nagar Main Road  
 Indore  
 GSTIN/UIN: 23APVPS699BH1ZS  
 State Name: Madhya Pradesh, Code: 23  
 Buyer  
**SHAIL EDUCATIONAL & WELFARE SOCIETY**  
**RAU**  
**INDORE**  
 State Name: Madhya Pradesh, Code: 23  
 State Name: Madhya Pradesh

Invoice No. **60** Dated **17-Jun-2019**  
 Delivery Note Mode/Term of Payment  
 Supplier's Ref Other Reference(s)  
 Buyer's Order No. Dated  
 Dispatch Document No. Delivery Note Date  
 Dispatched through Destination  
 Terms of Delivery

Description of Goods	GST Rate	Quantity	Rate per	Amount
1 6" Pipe 4kg Kisan	18 %	170.00 Feet.	62.29 Feet.	10,589.30
2 6" Band	18 %	10.00 nos.	157.54 nos.	2,440.64
3 6" TEE	18 %	10.00 nos.	271.19 nos.	2,711.90
				15,741.84
				1,416.77
				1,416.77
				(-)0.38

SGST  
 CGST  
 Round Off

Less

Dated  
**17-Jun-2019**  
 Mode/Term of Payment  
 Other Reference(s)  
 Dated  
 Mode/Term of Payment  
 Other Reference(s)  
 Dated  
 Mode/Term of Payment  
 Other Reference(s)  
 Dated  
 Mode/Term of Payment  
 Other Reference(s)

Particulars	Amount
Net	10,589.30
CGST	2,440.64
SGST	2,711.90
	15,741.84
	1,416.77
	1,416.77
	(-)0.38

Total **₹ 18,575.00**  
₹ 200

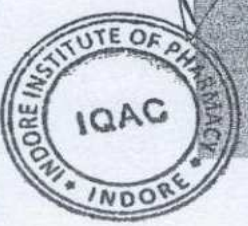
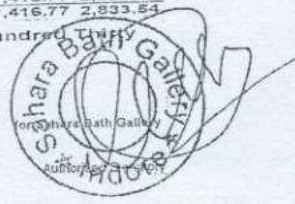
Amount Chargeable (in words) **Indian Rupees Eighteen Thousand Five Hundred Seventy Five Only**

Taxable Value	Central Tax Rate	Central Tax Amount	State Tax Rate	State Tax Amount	Total Tax Amount
15,741.84	9%	1,416.77	9%	1,416.77	2,833.54
Total: 15,741.84		1,416.77		1,416.77	2,833.54

Tax Amount (in words) **Indian Rupees Two Thousand Eight Hundred Thirty Four paise Only**

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

This is a Computer Generated Invoice



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Principal  
 Indore Institute of Pharmacy,  
 INDORE (M.P.)

SHAIL/P.O/10-11/285

Date: 29<sup>th</sup> Sep 10

To,

M/s. Rawat Electricals  
33, Nasia Road,  
Indore-45201  
Ph: 4043837,

Subject: Purchase Order for LPD Solar water heating.

Dear Sir,

With reference to discussion, we are pleased to inform you that Purchase Order for LPD Solar water heating with following specifications at Shail Campus is being awarded to you on the following rates:-

S.N.	Item Description	Rate
1.	LPD Solar water heating 1000 with OMEGA Collector Model- SL-1000	183000/-

**Terms & Condition-**

1. Price basic\\$: F.O.R. at site Pithampur
2. VAT: Exempted as on date, any variations at the time of supply will be in our account.
3. Freight: included in above cost.
4. Payment terms: 25% advance with PO 60 % against supply of material and 10% after installation.
5. Delivery: within 2 weeks
6. Installation: system installation is in Shail Campus, whereas wherever hard plumbing required shall be in your scope.
7. All documents required for claiming government subsidy will be completed by the stage installation is done.

For: Shail Educational and Welfare Society

Authorized Signatory

Purchase Manager

Party Acceptance



Principal  
Indore Institute of Pharmacy,  
INDORE (M.P.)

Principal  
Indore Institute of Pharmacy,  
INDORE (M.P.)





SHAIL/P.O/10-11/295

Date: 5<sup>th</sup> Oct 10

To,

M/s. Rawat Electricals  
33, Nasia Road,  
Indore-45201  
Ph: 4043837,

Subject: Purchase Order for LPD Solar water heating.

Dear Sir,

With reference to discussion, we are pleased to inform you that Purchase Order for LPD Solar water heating with following specifications at Shail Campus is being awarded to you on the following rates:-

S.N.	Item Description	Rate
1.	LPD Solar water heating 1000 with OMEGA Collector Model- SL-1500	2,74,500.00

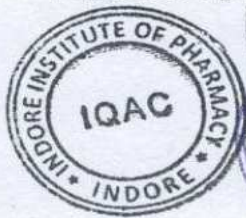
**Terms & Condition-**

1. Price basic\s: F.O.R. at site Pithampur
2. VAT: Exempted as on date, any variations at the time of supply will be in our account.
3. Freight: included in above cost.
4. Payment terms: 25% advance with PO 60 % against supply of material and 10% after installation.
5. Delivery: within 2 weeks
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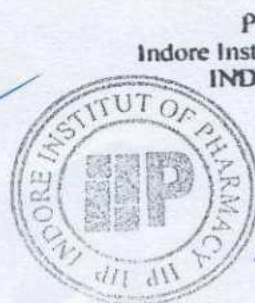
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For: Shail Educational and Welfare Society

Authorized Signatory




Purchase Manager



Principal  
Indore Institute of Pharmacy,  
INDORE (M.P.)

Party Acceptance



Principal  
Indore Institute of Pharmacy,  
INDORE (M.P.)





7009  
19/09/2022  
10:40 AM

NARAYAN CHOUDHARY

rangwasa (rau) , Indore Mob. 9977793053

Invoice

Date ...12/09/22

Name :- IIST

S.N.	Item	Quantity	Rate	Amt.
	उप 2022 9/21 शुद्धि 2022	3 हेर	300	9000/-
Total				9000/-

Amount in Words: नौ हजार मात्र  
FOR CHAUDHARY TRAITORS PROPRIETOR

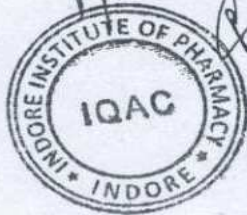
→ Services Provided as per attached sheet

→  
Bansal  
Nishant  
19/9/22  
For IIST/ IIP, IIPR  
Admin Officer

APPROVED  
Director General  
For Shail Educational & Welfare Society  
16/9

Accounts  
19000/-  
19/9/22

11/09/22



19000/-  
19/9/22

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INDORE (M.P.)

Principal  
Indore Institute of Pharmacy,  
INDORE (M.P.)



State Name: Madhya Pradesh  
 PIN: 475008/MH11979/PD/021940

Consignee:  
 SHAIL EDUCATIONAL & WELFARE SOCIETY  
 PITHAMPUR ROAD, OPPOSITE 114, RAU, INDORE  
 Madhya Pradesh, Code : 23

Buyer's Order No. \_\_\_\_\_  
 Delivery Note Date \_\_\_\_\_  
 Despatch Document No. \_\_\_\_\_  
 Destination \_\_\_\_\_  
 Despatched through \_\_\_\_\_  
 Terms of Delivery \_\_\_\_\_

Buyer (if other than consignee):  
 SHAIL EDUCATIONAL & WELFARE SOCIETY  
 PITHAMPUR ROAD, OPPOSITE  
 114, RAU, INDORE  
 State Name: Madhya Pradesh, Code : 23  
 Contact: 07314010502

SI No.	Description of Goods	HSN/SAC	GST Rate	Quantity	Rate per	Amount
	LED Street Light 45 Watt	94054090	12 %	8 nos	7,000.00	56,000.00
	LED STREET LIGHT 85W	94054090	12 %	10 nos	15,000.00	1,50,000.00
	Led Street Light 120 W	94054090	12 %	18 nos	20,000.00	3,60,000.00
						5,66,000.00
						67,920.00

OUTPUT IGST

*X 6339222 JVK*  
*3/13/18*  
*38 nos*

Amount Chargeable (in words):	INR Six Lakh Thirty Three Thousand Nine Hundred Twenty Only	Taxable Value	5,66,000.00	Integrated Tax Rate	12%	Integrated Tax Amount	67,920.00	Total Tax Amount	67,920.00
		Total	5,66,000.00			67,920.00	67,920.00		

HSN/SAC: 94054090  
 Tax Amount (in words): INR Sixty Seven Thousand Nine Hundred Twenty Only

Company PAN: AACCS0459G  
 Declaration: We declare that this invoice shows the actual price of the goods sold and that all particulars are true and correct.



Principal  
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 INDORE (M.P.)

Principal  
 Indore Institute of Pharmacy,  
 INDORE (M.P.)



**Receipt Note**

SHAIL EDUCATIONAL & WELFARE SOCIETY  
 Opp.I.I.M , Pithampur Road,  
 Rau, Indore -453331 (M.P.)  
 Tel. No.0731-4010565,4010542  
 E-mail : store@indoreinsitue.com

Receipt Note No.	Dated
SEWS/10-11/1838	18-Nov-2010
Supplier's Ref.	Other Reference(s)
Pass No.1319/18.11.10	SEWS/GRN/No/1838

Supplier  
**Rawat Industries**  
 143, Tilak Nagar Near Post Office Indore  
 Mob. NO. 94253-12396  
 E-Mail : Ultrapure@rediffmail.Com

Description of Goods	Quantity	Rate	per	Amount
Solar Water Heater - 1500 LPD	1 System	2,74,500.00	System	2,74,500.00
Total		1 System		2,74,500.00

Amount Chargeable (in words)  
 Rs. Two Lakh Seventy Four Thousand Five Hundred  
 Only

E. & O. E.

Company's TIN/Sales Tax No. : 23921300472  
 Buyer's VAT TIN  
 Buyer's CST No.

for SHAIL EDUCATIONAL & WELFARE SOCIETY

Authorised Signatory



**Principal**  
 Indore Institute of Pharmacy,  
 INDORE (M.P.)  
**Principal**  
 Indore Institute of Pharmacy,  
 INDORE (M.P.)





**Receipt Note**

SHAIL EDUCATIONAL & WELFARE SOCIETY  
 Opp.I.I.M , Pithampur Road,  
 Rau, Indore -453331 (M.P.)  
 Tel. No.0731-4010565,4010542  
 E-mail : store@indoreinstitue.com

Receipt Note No.	Dated
SEWS/10-11/1837	18-Nov-2010
Supplier's Ref.	Other Reference(s)
Pass No. 1318/18.11.10	SEWS/GRN/No/1837

Supplier  
**Rawat Industries**  
 143, Tilak Nagar Near Post Office Indore  
 Mob. NO. 94253-12396  
 E-Mail : Ultrapure@rediffmail.Com

Description of Goods	Quantity	Rate	per	Amount	
Solar Water Heater -1000 LPD	1 System	1,83,000.00	System	1,83,000.00	
Total				1 System	1,83,000.00

Amount Chargeable (In words)  
 Rs. One Lakh Eighty Three Thousand Only

E. & O. E.

Company's TIN/Sales Tax No. : 23921300472  
 Buyer's VAT TIN :  
 Buyer's CST No. :

for SHAIL EDUCATIONAL & WELFARE SOCIETY

Authorised Signatory

**Principal**  
 Indore Institute of Pharmacy,  
 INDORE (M.P.)

**Principal**  
 Indore Institute of Pharmacy,  
 INDORE (M.P.)

