



Vision Buldhana Educational & Welfare Society's,

**PANKAJ LADDHAD INSTITUTE OF TECHNOLOGY AND
MANAGEMENT STUDIES, BULDHANA**

Chikhli Road , Yelgaon, Buldhana-443002 (M.S) INDIA www.plit.ac.in email:plitprincipal@gmail.com

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KEY INDICATOR - 7.1 INSTITUTIONAL VALUES AND SOCIAL RESPONSIBILITIES

7.1.2 The Institution has facilities and initiatives for

- 1. Alternate sources of energy and energy conservation measures**
 - 2. Management of the various types of degradable and nondegradable waste**
 - 3. Water conservation**
 - 4. Green campus initiatives**
 - 5. Disabled-friendly, barrier free environment"**
-



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Key Indicator - 7.1 Institutional Values and Social Responsibilities

Metric No: 7.1.2 The Institution has facilities and initiatives for

1. Alternate sources of energy and energy conservation measures
2. Management of the various types of degradable and nondegradable waste
3. Water conservation
4. Green campus initiatives
5. Disabled-friendly, barrier free environment

1. THE INSTITUTE HAS FACILITIES FOR ALTERNATE SOURCES OF ENERGY AND ENERGY CONSERVATION MEASURES

INDEX

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02	Solar System Details
03	Solar Purchase Bill Document
04	Solar panels mounted at buildings of PLITMS
05	Wheeling to the grid
06	Net Metering Electricity Bill Wheeling to Grid
07	LED lighting in college premises
08	Example of Saving In Electrical Power Consumption (KWH)



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1. Policy Document of Energy Saving Policy


ENERGY SAVING POLICY

1. Buildings inside the campus in PLITMS are designed in such way so as to use maximum sunlight during the day which will eventually reduce the use of artificial lights. PLITMS is committed to shift to maximum utilization of solar energy.
2. To save electricity, teaching and non-teaching staff and students should be encouraged to switch off the electricity source while not in use.
3. Optimum usage of LED lighting is encouraged, should be replaced with CFL tubes with electronic choke and LEDs.
4. By unplugging unused electronics also we can save unwanted use of electricity.

Principal

2. Solar System Details

The Installation of Solar Power Plant on roof top is a great example of how renewable energy can be utilized to provide clean energy and reduce the greenhouse gas effect. The grid tied solar power plant installed in the institute has a capacity of 25kilowatt which generate approximately 28800 units of electricity every year. Maximum power requirement of a college is 30KW. Every year 70 to 80 percentage of power requirements of college is met by this renewable energy source.



Pankaj Laddhad Institute of Technology and Management Studies,
Chikhali Road, Yelgaon, BULDANA – 443001 (M.S.), INDIA.

Department of Electrical (Electronics & Power) Engineering Date: 11/Dec/2017

SOLAR POWER PLANT DETAILS

Total Power Capacity: - 25 KW (i.e. 25000Watts)
 Total No of Solar Plate: - 80
 Total energy Generated per day: - 4 Unit/per day per plate.
 Average Total Unit Generated per day: - 100 Units / Day
 Total Area Covered by Solar Power Plant: - Height 44 Feet & Width 67 Feet
 Area of Solar Plate: - Height 6.5 Feet & Width 3.3 Feet.
 Total Cost of Plant: - 15, 25000/-

Sr. No	Parameter	Specification
1	Rated Power	320 Watt
2	Open Circuit Voltage	46.2 V
3	Short Circuit Current	9.00 Amp
4	Voltage at Maximum Power	37.1 V
5	Current at Maximum Power	8.61 Amp
6	Maximum System Voltage	1000V

Solar Power Plant Details



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3. Solar Purchase Bill Documents

Sl No.	Description of Goods	GST%	Qty	Rate	Scem.%	CD. %	Amount
1	SOLAR ROOF TOP SYSTEM 25 KW		1	15,25,000.00/No			15,25,000.00
Total ₹ 15,25,000.00							

Amount Chargeable (in words)
INR Fifteen Lakh Twenty Five Thousand Only

Company's Bank Details
Bank Name : ALLAHABAD BANK Br Washim
A/c No. : 50245850774
Branch & IFS Code : Washim & ALLA0213204

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

SUBJECT TO WASHIM JURISDICTION
This is a Computer Generated Invoice

for SOLAR SHAKTI 17-18
Authorized Signatory

Bills of Roof Top Solar Power Plant



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Tax Invoice		(ORIGINAL FOR RECIPIENT)				
Chirayu Power Pvt. Ltd., Khamgaon 23-24 M.I.D.C., Khamgaon GSTIN/UIN: 27AAGCC3581P123 State Name : Maharashtra, Code : 27 Contact : 07263-277477 Fax : 07263-277024 E-Mail : karan@chirayupower.com Consignee (Ship to) Pankaj Laddhad Institute of Technology Buldhana , Maharashtra State Name : Maharashtra, Code : 27 Contact : 9881851852		Invoice No. e-Way Bill No. 24-25/Pr-60	Dated 22-May-24			
		Delivery Note 4961	Mode/Terms of Payment			
		Reference No. & Date.	Other References			
		Buyer's Order No.	Dated			
		Dispatch Doc No. 4961	Delivery Note Date 22-May-24			
		Dispatched through Road	Destination Buldhana			
Buyer (Bill to) Pankaj Laddhad Institute of Technology Buldhana , Maharashtra State Name : Maharashtra, Code : 27 Contact : 9881851852		Terms of Delivery				
Sl No.	Description of Goods and Services	Quantity	Rate	per	Amount	
1	Invertor Growwatt Growwatt 3ph 25KW Inverter	1 nos	89,000.00	nos	89,000.00	
2	Installation and Commissioning	1 nos	3,000.00	nos	3,000.00	
3	Transportation Expenses				2,000.00	
					94,000.00	
	CGST on Sales				5,790.00	
	SGST on Sales				5,790.00	
Total		2 nos			₹ 1,05,580.00	
Amount Chargeable (In words) E. & O.E Indian Rupees One Lakh Five Thousand Five Hundred Eighty Only						
HSN/SAC		Taxable Value	CGST		SGST/UTGST	Total Tax Amount
			Rate	Amount	Rate	Amount
854140		89,000.00	6%	5,340.00	6%	5,340.00
854140		5,000.00	9%	450.00	9%	450.00
	Total	94,000.00		6,790.00		6,790.00
Tax Amount (In words) : Indian Rupees Eleven Thousand Five Hundred Eighty Only Company's Bank Details: A/c Holder's Name : Chirayu Power Pvt. Ltd., Khamgaon Bank Name : State Bank of India CC A/c 36205948261 A/c No. : 3 8 2 6 5 8 4 8 2 8 1 Branch & IFSC Code : Main Br., Khamgaon & SBIN0083821 SWIFT Code :						
Company's PAN : AAGCC581P Declaration Certified that particulars given above are true and correct.		for Chirayu Power Pvt. Ltd., Khamgaon 23-24 Authorised Signatory				
SUBJECT TO KHAMGAON JURISDICTION This is a Computer Generated Invoice						

Bills of Inverter used for solar power plant



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4. Solar Panels Mounted At Building of PLITMS



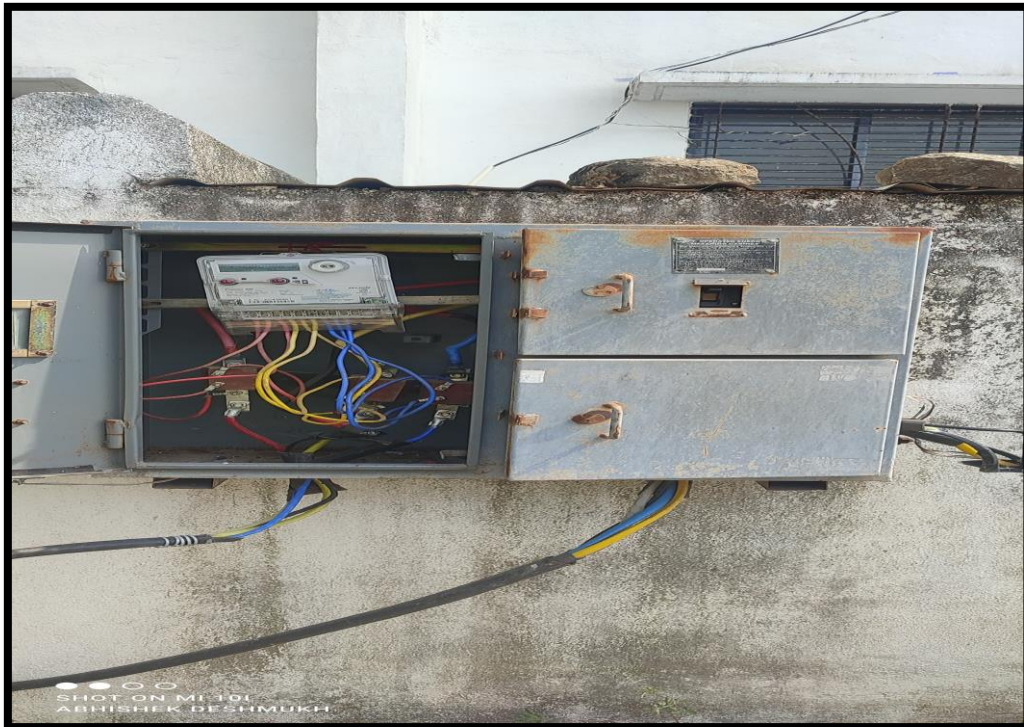
25 KW Solar Power Plant installed at Pankaj Laddhad Institute of Technology & Management Studies, Buldhana



25 KW Solar Inverter System

5. Wheeling to the grid

25 KW Solar Power Plant installed at roof top of the institute which generates 80Units of electricity in an average per day. The Installed solar power plant is connected to online grid system through net metering system which exports the excess of electrical energy to the grid. Near about 500 to 600 units of electricity are export to the grid per month.



Import & Export Meter



Solar Generation Meter



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6. Net Metering Electricity Bill wheeling to grid

7/10/24, 4:50 PM

MAHAVITARAN
 Maharashtra State Electricity Distribution Co. Ltd.

Maharashtra State Electricity Distribution Co. Ltd.
BILL OF SUPPLY FOR THE MONTH OF Jun 2024

000002412904530
 GSTIN: 27AA ECM2933K1ZB
 BULDHANA CIRCLE :615

Website: www.mahadiscom.in
 BULDHANA DIVISION : 613

HSN CODE: 27160900
 BULDANA SUB-DN : 285

Consumer No. : 301257944727	BILL DATE 08-07-2024 23,270.00
Consumer Name : THE PRESIDENT VISION EDUCATION & WELFAIR	DUE DATE 29-07-2024
Address : YELGAON BULDANA	IF PAID UPTO 18-07-2024 23,070.00
	IF PAID AFTER 29-07-2024 23,560.00
	Last Receipt No./Date /15-06-2024
	Last Month Payment 60,000.00
	Scale / Sector Large Scale /Private Sector

Village : BULDANA Pincode : 443001

Email ID :	Activity :	Seasonal : N	Load Shed Ind :
Mobile No. : 95*****57	Meter No. : 055-XC426201	Urban/Rural : R	Express Feeder : N
Tariff : 71 LT-II C	Connected Load (KW): 67.50 KW	Flag :	LIS Indicator :
Contract Demand (KVA) : 63.00	40% of Con. Demand(KVA) : 25.20	Feeder Voltage (KV) : 11	
Sanctioned load (KW) : 67.50 KW			
DTC : 4285541	PC-MR-ROUTE-SEQ : 00-40-0050-0562	BU : 2852	PC : 00
Date of Connection : 24-08-2009	Category : LT COMM ABV 50KWGSTIN :		
Supply at : LT	Elec. Duty : 07	PAN : AA*****8F	
Prev. Highest (Mth) :	Prev. Highest Bill Demand (KVA) :		
Security Deposit Held Rs : 86,830.87	Addl. S.D. Demanded Rs : 00.00		
Bank Guarantee Rs. : 0.00	S.D. Arrear Rs. : 00.00		

BILLING HISTORY

Bill Month	Consumption (Units)	Bill Demand (KVA)	Bill Amount
May 2024	2,128	25	61,496.03
Apr 2024	2,938	25	80,539.20
Mar 2024	2,066	25	57,370.75
Feb 2024	1,537	25	46,926.99
Jan 2024	1,307	25	42,085.06
Dec 2023	1,331	25	42,446.10
Nov 2023	1,336	25	42,227.84
Oct 2023	1,823	25	51,712.00
Sep 2023	1,842	25	52,072.61
Aug 2023	1,582	25	45,915.07
Jul 2023	994	25	34,186.58
Jun 2023	1,432	25	42,739.68

*paid by NEFT 16/07/2024
58056*

CUSTOMER CARE Toll Free No.
 1912, 1800-102-3435,
 1800-233-3435

Rule & Procedure for Consumer Grievances Redressal is available at www.mahadiscom.in>consumer portal->CGRF Instead of Printed bill register for E-bill and avail Rs. 10 per bill as a "Go-green" discount.For registration visit at www.mahadiscom.in>consumer portal->Quick access->Go-green request

Scan this QR Code with BHIM App for UPI Payment

If paid by QR Code then Prompt Pay Discount/Delay Payment Charges will be adjusted in subsequent bill.

For making Energy Bill Payment through RTGS/NEFT mode, use following details

- Beneficiary Name: MSEDCL
- Beneficiary Account Number: MSEDCL01301257944727
- IFS Code: SBIN0008965
- Name of Bank: STATE BANK OF INDIA
- Name of Branch: IFB BKC
- Bill Amount: 23,270.00

P.L.I.T.M.S, Buldhana
 Date :-10/07/2024
 Inward No. :- (8)

Disclaimer: Please use above bank details only for payment against consumer number mentioned in beneficiary account number.

<https://www.mahadiscom.in/wws/wws>

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PLT/EP E-88

आता नवीन *End of doing business*
औद्योगिक वीज जोडणी *पॅन्कज लड्ढहाद औद्योगिक वित्तियोजनाती*
अधिक सुलभतेने *पॅन्कजी लड्ढहाद / पॅन्कजलड्ढहाद पुरवठा*

• पॅन्कजी लड्ढहाद / पॅन्कजलड्ढहाद पुरवठा
 • वित्तियोजना करणे किंवा प्रमाणपत्र
 • सर्व गोष्टी ऑनलाईन (एने मने, वित्तियोजना करणे)

वित्तियोजना करणे किंवा प्रमाणपत्र
 किंवा वित्तियोजना करणे किंवा प्रमाणपत्र
 किंवा वित्तियोजना करणे किंवा प्रमाणपत्र

Important Message

- Consumers can pay online using Net Banking, Credit/Debit cards at https://www.mahadis.com.in/ep/online_bill_registration.
- Submit / update your E-mail id and mobile number to Circle office for receiving prompt alerts through SMS.
- Submit / update your PAN and GSTIN to circle office with copies of PAN and GSTIN for verification.
- Special desk is operational for HT Consumers, please contact : Mconsumer@mahadis.com.in for any clarification / query or grievance.
- This Electricity Bill should not be use for the address proof and as a proof of property ownership.
- For Any Payment to MSEDCCL, ENSURE & INSIST for computerised receipt with unique system generated receipt number. Do not accept handwritten receipts. Pay online to avoid any inconvenience.

CURRENT CONSUMPTION DETAILS

Reading Date	KWH	KVAH	RKVAH (LAG)	RKVAH (LEAD)	KW (MG)	KVA (MG)
Current 30-06-2024	104183.800	108613.200	18534.800	12572.000	21.340	13.320
Previous 31-05-2024	102957.000	107283.400	18232.600	12158.200		
Difference	1226.800	1329.800	302.000	413.800		
Multiplying Factor	1.000	1.000	1.000	1.000	1.000	1.000
Consumption	318.000	1330.000	302.000	414.000	12.000	13.000
LT Metering	0.000	0.000	0.000	0.000	0.000	0.000
Adjustment	0.000	0.000	0.000	0.000	0.000	0.000
Assessed Consump	0.000	0.000	0.000	0.000	0.000	0.000
Total Consumption	318.000	1330.000	302.000	414.000	12.000	13.000

CHARGES DETAILS

Particulars	Amount
Billed Demand (KVA) 25 @ Rs. 517	12,925.00
Assessed P.F. Avg. P.F. 0.860	389.72
Energy Charges	4,880.00
Billed P.F. 0.860 L.F.	347.50
Consumption Type	395.00
Industrial	0.00
Residential	0.00
Commercial	4880.00
E.D. on(Rs) Rate %	0.00
TOD Zone	0.00
2200 Hrs-0600 Hrs	6.00
0600 Hrs-0900 Hrs & 1200 Hrs-1800 Hrs	13.00
0900 Hrs - 1200 Hrs	9.00
1800 Hrs-2200 Hrs	8.00
Amount in Words	23,560.00

SOLAR NET METERING CONSUMPTION DETAILS

SOLAR TARIFF	IMPORT			EXPORT		GENERATION			
	CURRENT READING	PREVIOUS READING	Units	CURRENT READING	PREVIOUS READING	CURRENT READING	PREVIOUS READING	Units	
0000 Hrs-0600 Hrs & 2200 Hrs-2400 Hrs	15,539.40	15,094.20	4,500	13,645.40	13,645.40	00.00	1,167.49	1,166.54	01.00
0600 Hrs-0900 Hrs & 1200 Hrs-1800 Hrs	52,602.20	52,228.20	374.00	34,393.60	33,602.40	791.00	59,961.42	58,080.72	1,881.00
0900 Hrs - 1200 Hrs	25,756.60	25,665.80	1.00	16,486.60	16,092.80	394.00	34,575.39	33,611.94	963.00
1800 Hrs-2200 Hrs	10,285.60	9,968.80	317.00	7,936.60	7,935.60	01.00	839.90	824.34	16.00

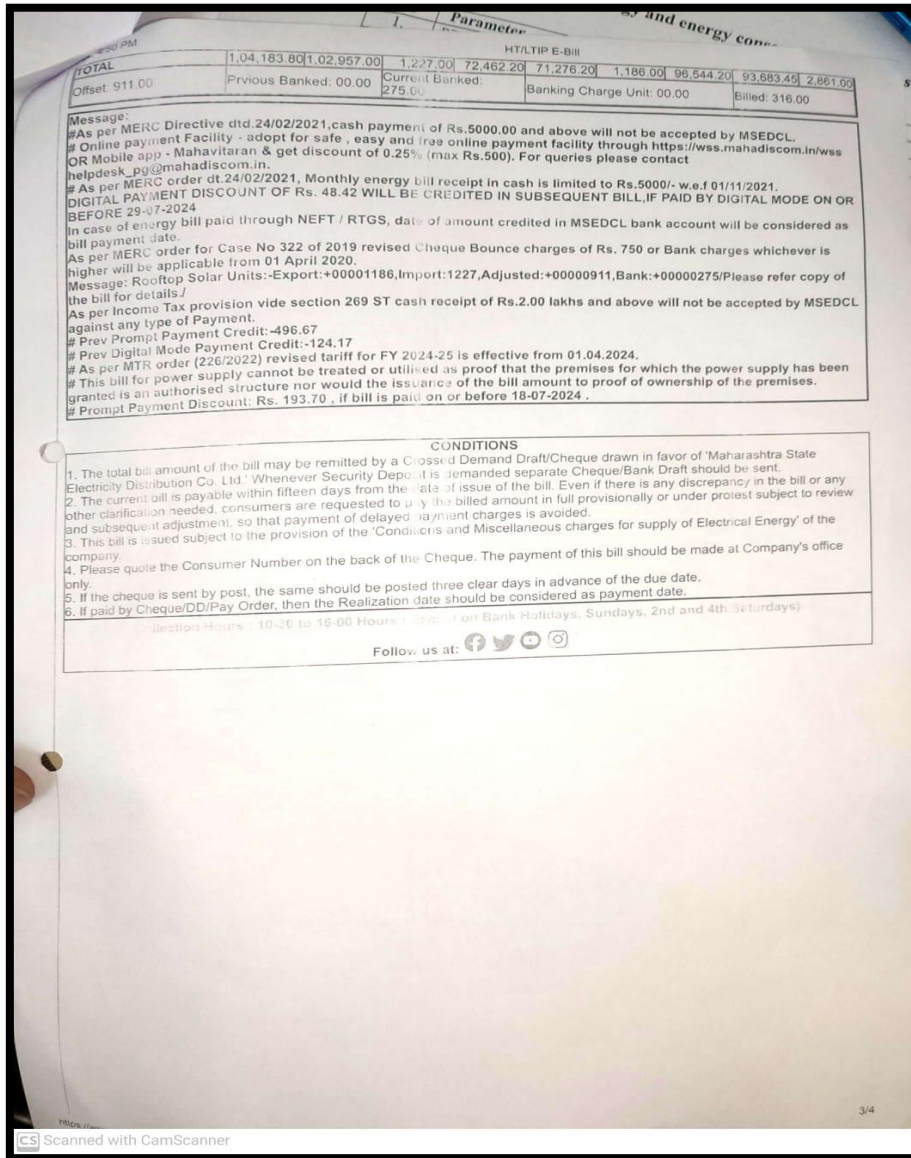
Scanned with CamScanner



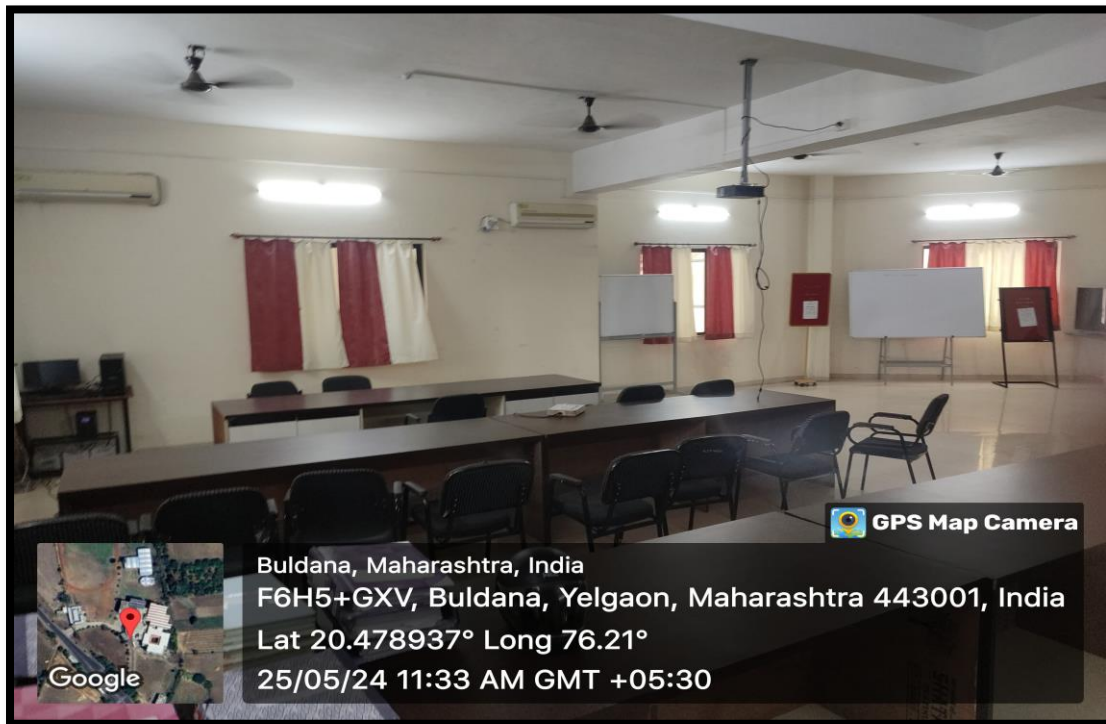
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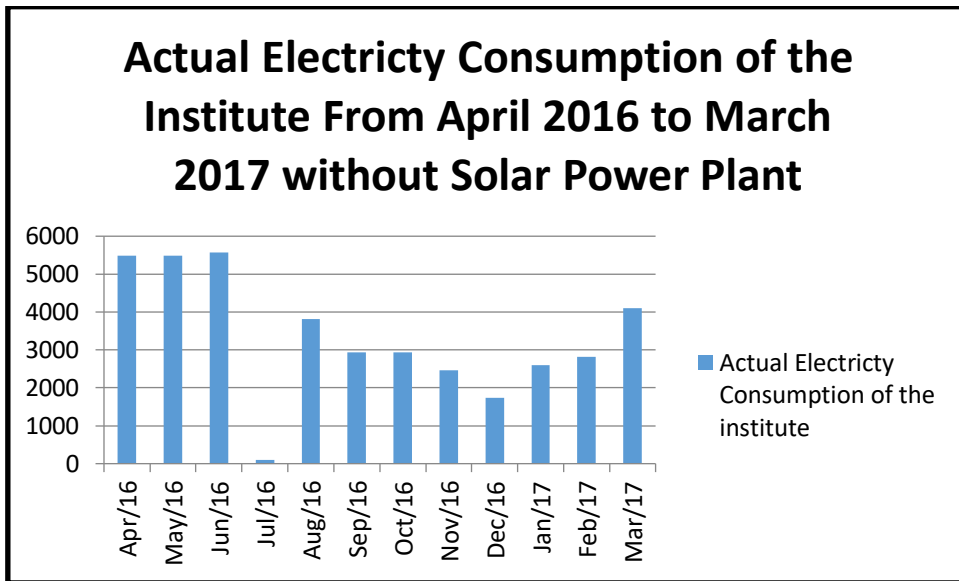
7. LED lighting in College Premises



8. Example of Saving In Electrical Power Consumption (KWH)

A. Electricity Consumption of Pankaj Laddhad Institute of Technology & Management Studies, Buldhana from April 2016 to March 2017 without Solar Power Plant.

Sr. No	Month (A)	Actual Electricity Consumption of the institute during the given month
1	Apr-16	5478
2	May-16	5479
3	Jun-16	5577
4	Jul-16	100
5	Aug-16	3822
6	Sep-16	2942
7	Oct-16	2942
8	Nov-16	2456
9	Dec-16	1738
10	Jan-17	2601
11	Feb-17	2824
12	Mar-17	4097
Total	12 Months	40056 Units

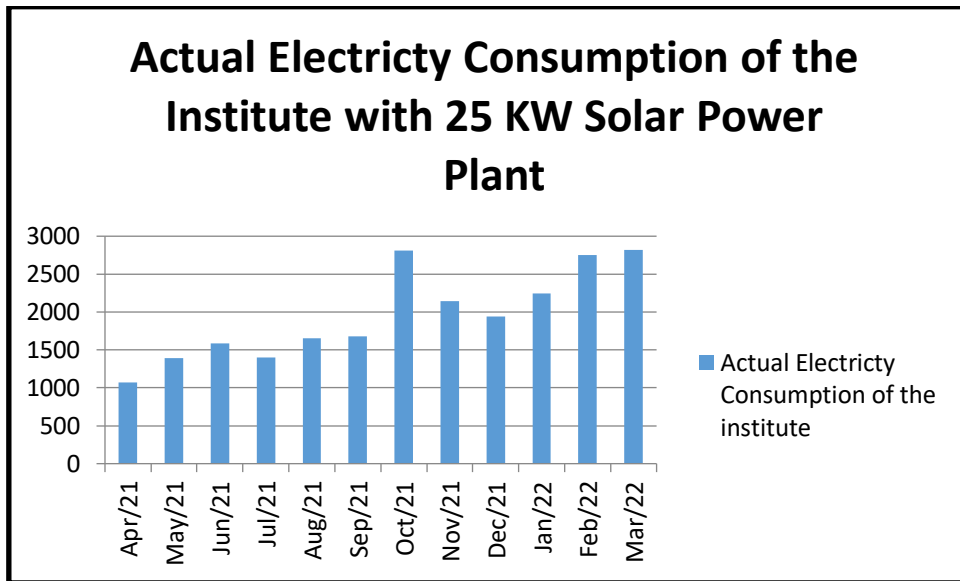


Link of Electricity Bills from April 2016 to March 2017.

https://drive.google.com/file/d/1anHyFaJZcM1aOK3I6mf_u-LZGHVx_RE/view?usp=drive_link

B. Electricity Consumption of Pankaj Laddhad Institute of Technology & Management Studies, Buldhana from April 2021 to March 2022 with 25KW Solar Power Plant.

Sr. No	Month (A)	Actual Electricity Consumption of the institute
1	Apr-21	1073
2	May-21	1394
3	Jun-21	1584
4	Jul-21	1399
5	Aug-21	1656
6	Sep-21	1677
7	Oct-21	2814
8	Nov-21	2145
9	Dec-21	1939
10	Jan-22	2241
11	Feb-22	2752
12	Mar-22	2815
Total	12 Months	23410 Units

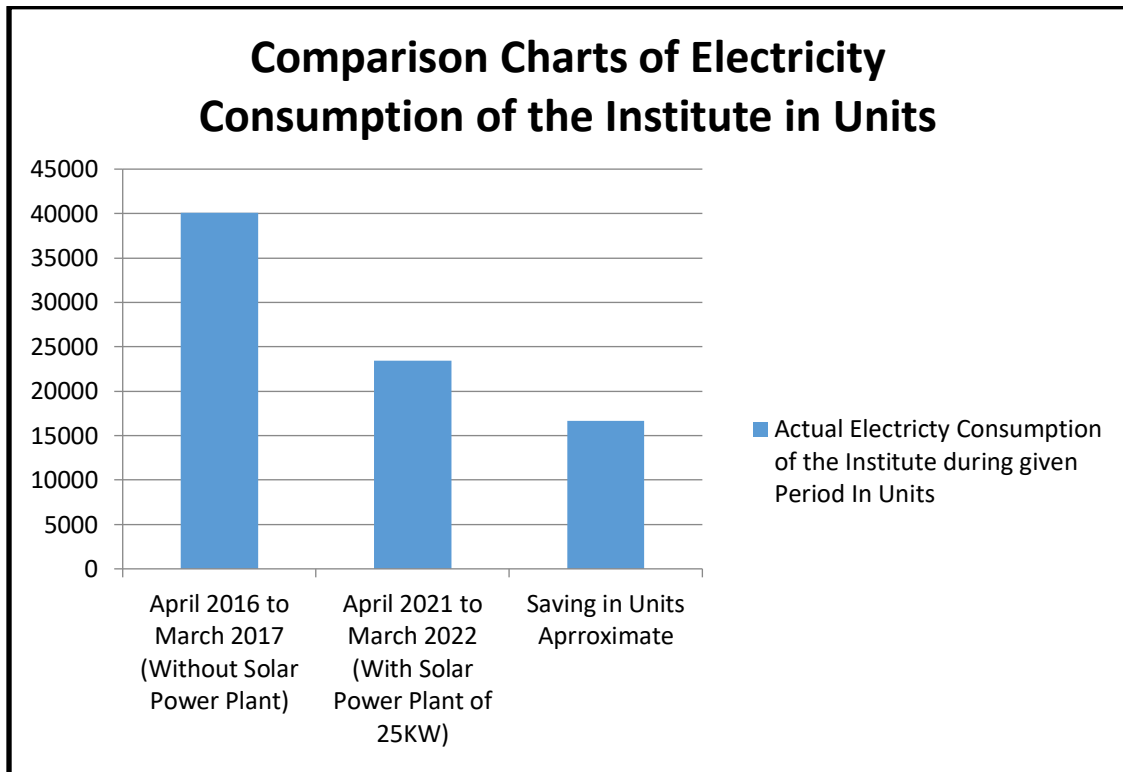


Link of Electricity Bills from April 2021 to March 2022.

https://drive.google.com/file/d/13N_o3F-R6jPoIbtfqz75Qk30uP78YCK8/view?usp=drive_link

C. Comparison Charts of Electricity Consumption requirement of the Institute.

Sr. No	Periods	Actual Electricity Consumption of the Institute during given Period In Units
1	April 2016 to March 2017 (Without Solar Power Plant)	40056
2	April 2021 to March 2022 (With Solar Power Plant of 25KW)	23410
Saving in Units Approximate		16646

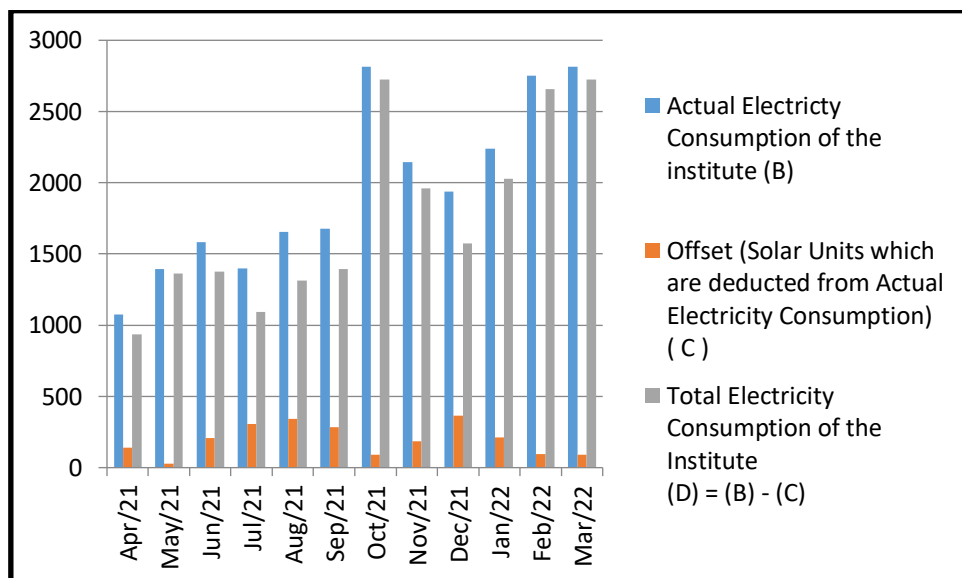


D. Electricity Bill Record from April 2021 to March 2022

Sr. No	Month (A)	Actual Electricity Consumption of the institute (B)	Offset (Solar Units which are deducted from Actual Electricity Consumption) (C)	Total Electricity Consumption of the Institute (D) = (B) - (C)	Solar Generated Units Current Bank (E)	Solar Generated Units Previous Bank(F)	Total Solar Units Generation (G)
1	Apr-21	1073	139	934	387	0	1463
2	May-21	1394	29	1364	785	387	1762
3	Jun-21	1584	209	1376	1235	785	2399
4	Jul-21	1399	306	1093	1812	1235	2250
5	Aug-21	1656	343	1314	2467	1812	2361
6	Sep-21	1677	283	1394	3127	2467	2445
7	Oct-21	2814	91	2723	3586	3127	3436
8	Nov-21	2145	185	1960	3986	3586	2791
9	Dec-21	1939	364	1575	5274	3986	2767
10	Jan-22	2241	213	2029	5939	5274	3057
11	Feb-22	2752	97	2655	6533	5939	3408
12	Mar-22	2815	91	2725	7051	6533	3770
Total	12 Months	23410	2906	21581	6533		33740

Note:-

- Offset:- It is the Electricity Unit generated by Solar Power Plant which is deducted from actual Consumption of the institute.
- Export :- **(Current Bank) 6533 + 2906 (Offset) = 9439 Solar Generated Units** are send to Maharashtra State Electricity Distribution Company Limited through Net Metering.
- Consumption of the Institute:- From April 2021 to March 2022 Actual Consumption of Institute is **23410 Units** whereas due to solar Power Plant we have generated electrical units and sent back to MSEDCL company which is deducted in the form of Offset and then Total Consumption of institute is **21581 Units**. Total saving **23410-21581= 2906 Units**.



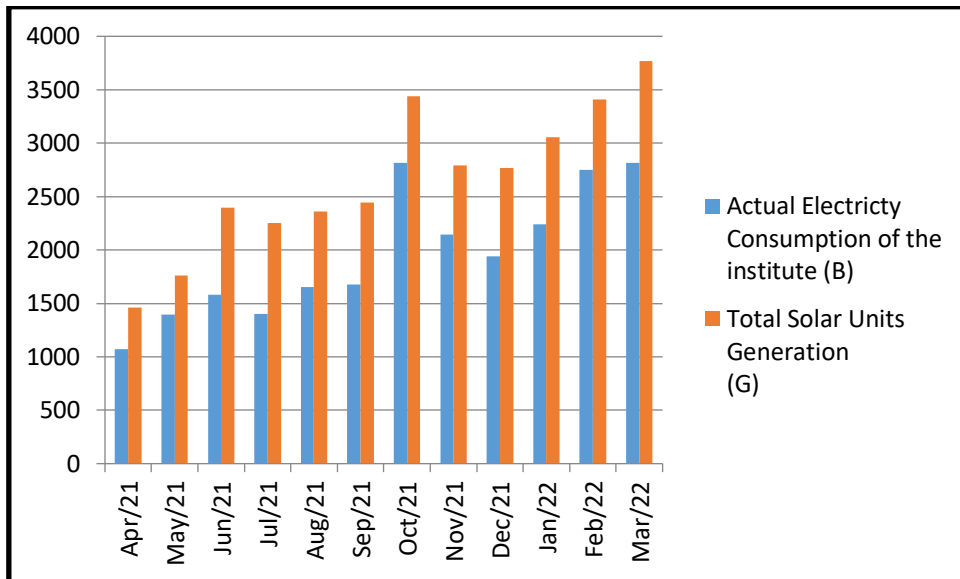
Graph: - Electricity Consumption Charts



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Graph: - Actual Electricity Consumption and Solar units Generated

CONCLUSION:-

In 2017, we have established the 25KW Solar Power Plant in the institute. Till then we have generated approximate 36000 units per year from this solar Power Plant. Out of these generated units, near about Approximate 10,000units per year we have sent to Maharashtra Electricity Distribution Company Private Limited through net metering and we have import lesser units from the them which indirectly reduce the Institute Electricity requirement from the MSEDCL.



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Key Indicator - 7.1 Institutional Values and Social Responsibilities

Metric No: 7.1.2 The Institution has facilities and initiatives for

1. Alternate sources of energy and energy conservation measures
2. Management of the various types of degradable and nondegradable waste
3. Water conservation
4. Green campus initiatives
5. Disabled-friendly, barrier free environment

2. Management of the following types of the Degradable & Non Degradable Waste

Index

Sr. No	Parameter
01	Solid Waste Management
02	Liquid Waste Management
03	E- Waste Management

2. MANAGEMENT OF THE FOLLOWING TYPES OF THE DEGRADABLE & NON DEGRADABLE WASTE

1. Solid Waste Management: -

Pankaj Laddhad Institute of Technology & Management Studies, Buldhana generates the solid waste from various sources, including academic building, hostels, canteen and the garden. The management of solid waste is crucial to ensure the safety and well being of students , staff and the environment.

Institute creates the Solid Wastes Dumping System where all waste is dumped every day. This solid waste management pit having size of 10 * 10* 10 feet located at backside of the institute.

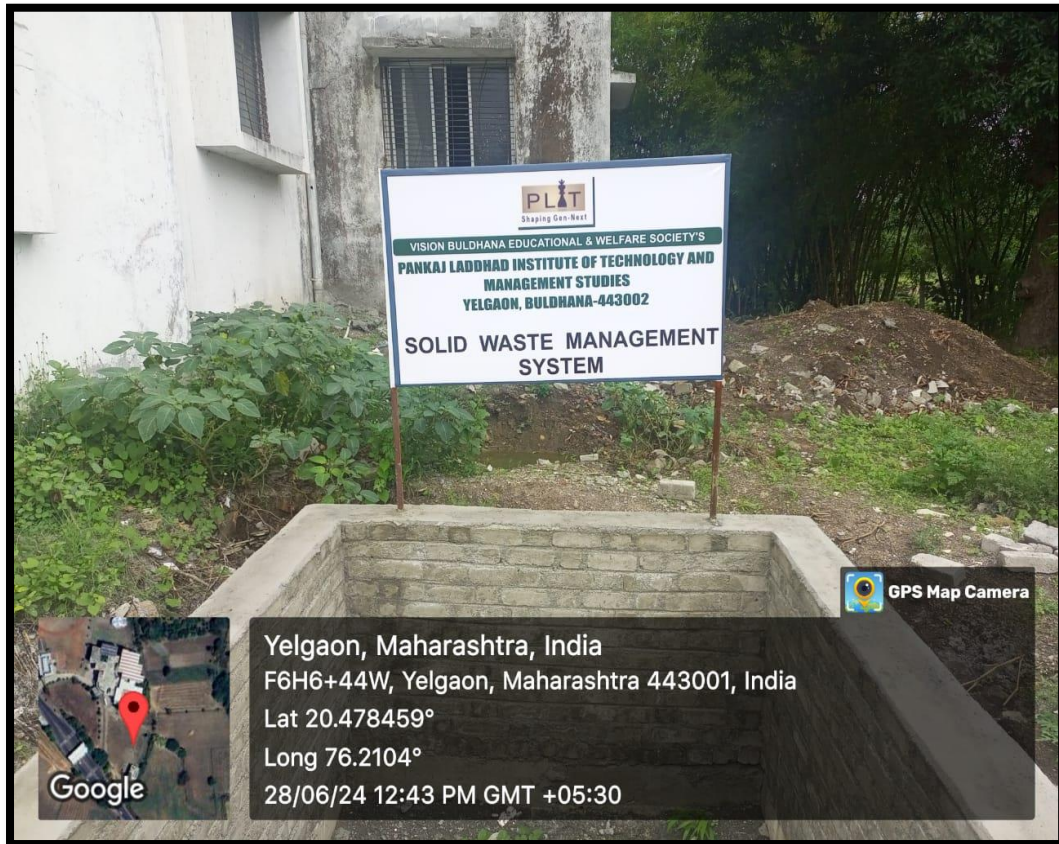
Dustbins are placed at different location of the institute such as corridor, cafeteria, classroom and laboratories for collection and disposal of waste.

Every day , the college worker collects the solid waste from different location of the Institute. After that waste is segregated and dumped in to the solid waste pit. Non degradable waste is handover the local vender for shredding purpose.

Then waste is left for decomposition and then it is used as compost for trees and plants planted in the campus. Layer of loose soil is spread on solid waste daily.



Dustbin for collection of Waste at Various Location



Solid waste Management Pit

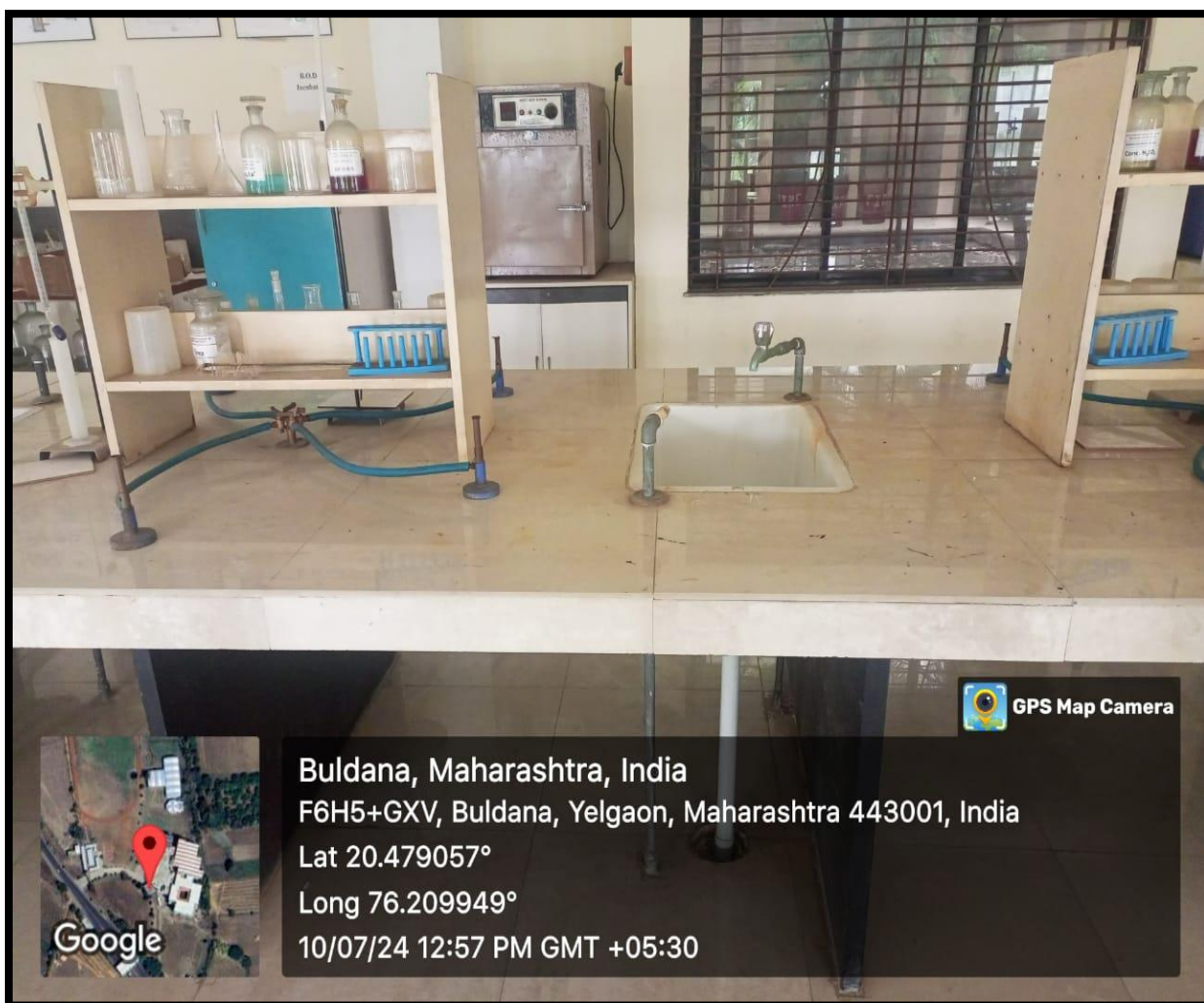
SOLID WASTE POLICY

1. Institute always motivate to reuse the used paper for administrative and academic work. The college also prefers ERP software for the most of the official work.
2. Use of dust bin should be encouraged. There are large and small size dustbin placed on all the floors in the buildings in the campus.
3. To address the issue of plastic pollution causing environmental hazards ,the use of one time use plastic bottles, folders, pens and decorative items should be prohibited in the campus

Principal

2. Liquid Waste Management: -

The Institution follows the systematic procedure for proper management and disposal of liquid waste. A suitable drainage system setup have been provided near Chemistry laboratories for liquid waste management It is essential to ensure proper disposal of all the liquid waste generated in the campus. Generally chemistry laboratory having requirement of different types of liquid and as per requirement of each semester, chemical is being purchased and it is consumed during the academic session itself. The solutions which are left during practical sessions are drained into the sink under running tap water as the chemicals may contaminate the water bodies and there are no consequences on the environment. Liquid waste from the points of generation like the canteen and toilet etc. is let out as effluent into a proper drainage facility and to avoid stagnation.



Liquid Waste Management System in Chemistry Laboratory



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3. E-Waste Management: -

Pankaj Laddhad Institute of Technology & Management Studies takes significant steps to manage electronic waste. College ensure that less amount of production of e-waste can be done in premises.

- Electronic goods are put to optimum use, the minor repairs are set right by the staff and the Laboratory assistants; and the major repairs, by the professional technicians, and then they are reused.
 - The parts of obsolete computer system are reused whenever there is requirement of it with existing computer system.
 - The institution allow and motivate the final year students to reuse the old invalid project components such as useful parts of electronic gadgets like resistors, capacitors, inductors, diodes, transistors, thermostats to their project. This will help to students learn and experiment with existing components.
 - Instead of buying new cartridges every time, we adopt the policy of refilling the existing cartridges so as to minimize the E waste.
 - The waste compact discs and other scrap material are used by students for decoration and participation in competitions on 'Art from Waste'. When they fall out of use, they are handed over to the computer laboratory assistant.
 - Moreover the institution sells damage computers to scrap vendors, exchange UPS batteries with supplier and buy backs permanent obsolete computers with new one.
-



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3. Water conservation
4. Green campus initiatives
5. Disabled-friendly, barrier free environment

3. The institute has facilities & initiatives for water conservation

Index

Sr. No	Parameter
01	Water Conservation Policy
02	Rain Water Harvesting System
03	Open well Recharge
04	Overhead Water Tank
05	Maintenance of water bodies and distribution system in the campus



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3. WATER CONSERVATION

1. Water Conservation Policy

WATER CONSERVATION POLICY

1. To strengthen Rain water harvesting practices, rain water must be collected from roof tops to recharge the groundwater level.
2. Everyone in the campus should contribute to the cause of saving water by closing the taps properly after using.
3. The administrative authorities should immediately repair leakage taps.

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2. Rainwater Harvesting System

To sustain the ground water availability the Institution has adopted rain water harvesting system. The systematic rainwater harvesting is to collect the rainwater from terrace is implemented. For improvement of ground water level, all buildings are provided with roof water harvesting.

This rain water harvesting system is design to collect terrace water using rainwater pipes. The collected water is discharge to the soak pits which work for earth and well recharge. Nearly 70% of terrace area water is discharge through the pipes.

Institute created the rainwater harvesting pit of size 5* 5* 5 feet near well in order to recharge the well. Rainwater Pit is of rectangular shape which is filled with pebbles or stones or aggregates or broken bricks to 5 ft depth. Then a layer of smaller stones or aggregates (Jelli) for a depth of 6 inches over the pebbles is added. Similarly pit is filled completely. This soak pit works for ground recharging as well as discharge the water to the well through its bed. In each soak pit a filter media is provided.

Frugal use of water has ensured constant supply of water for the stakeholders in the institute. The institute has reduce its water consumption by significant amount with the help of rain water harvesting system, open well recharge system and awareness among the students and staff members about water conservation.



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Rain Water Harvesting Pit



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Rain Water harvesting Pipe arrangement



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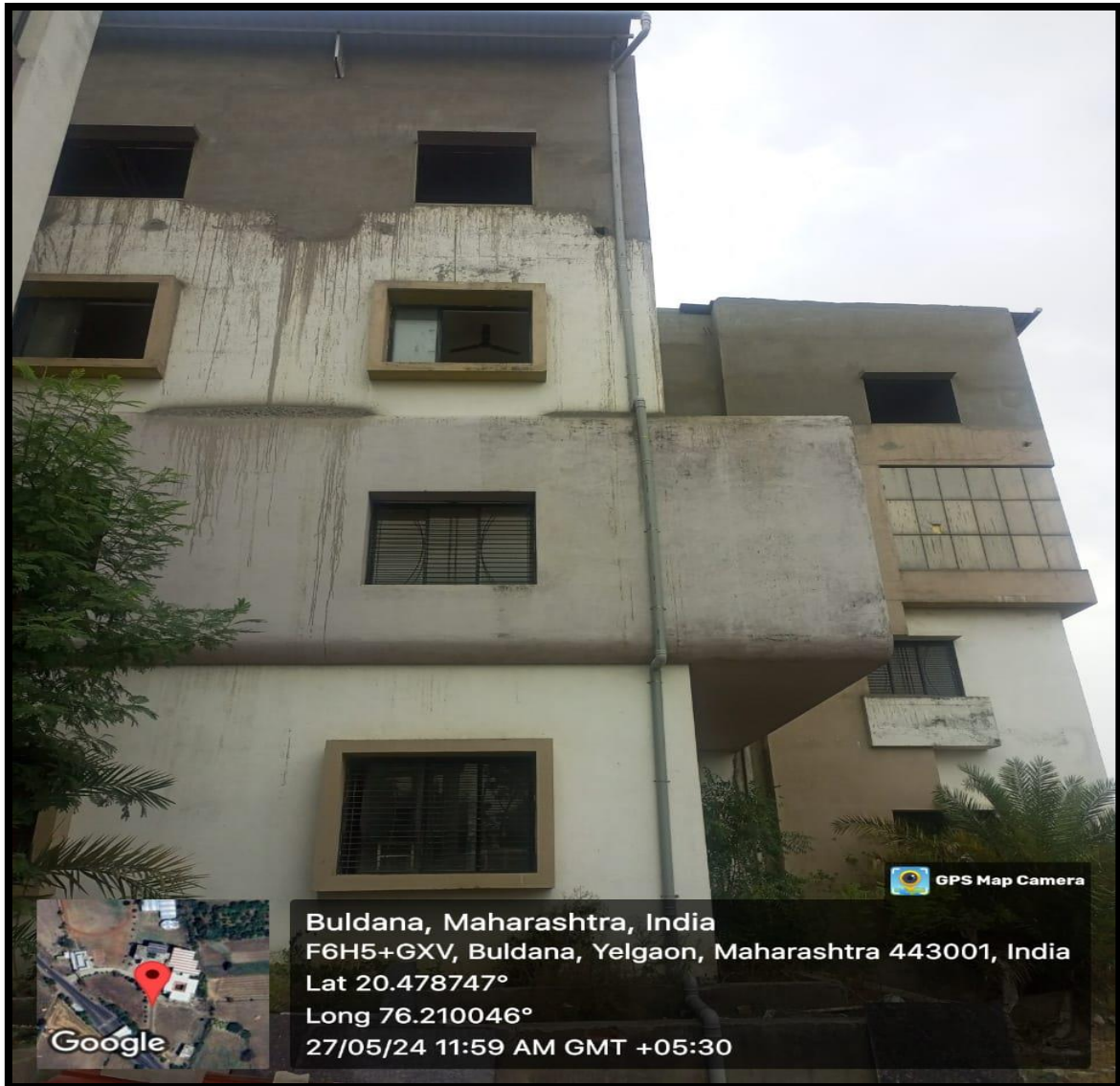
Rain Water harvesting Pipe arrangement



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Rain Water harvesting Pipe arrangement



Rain Water harvesting Pipe arrangement

3. Open Well recharge

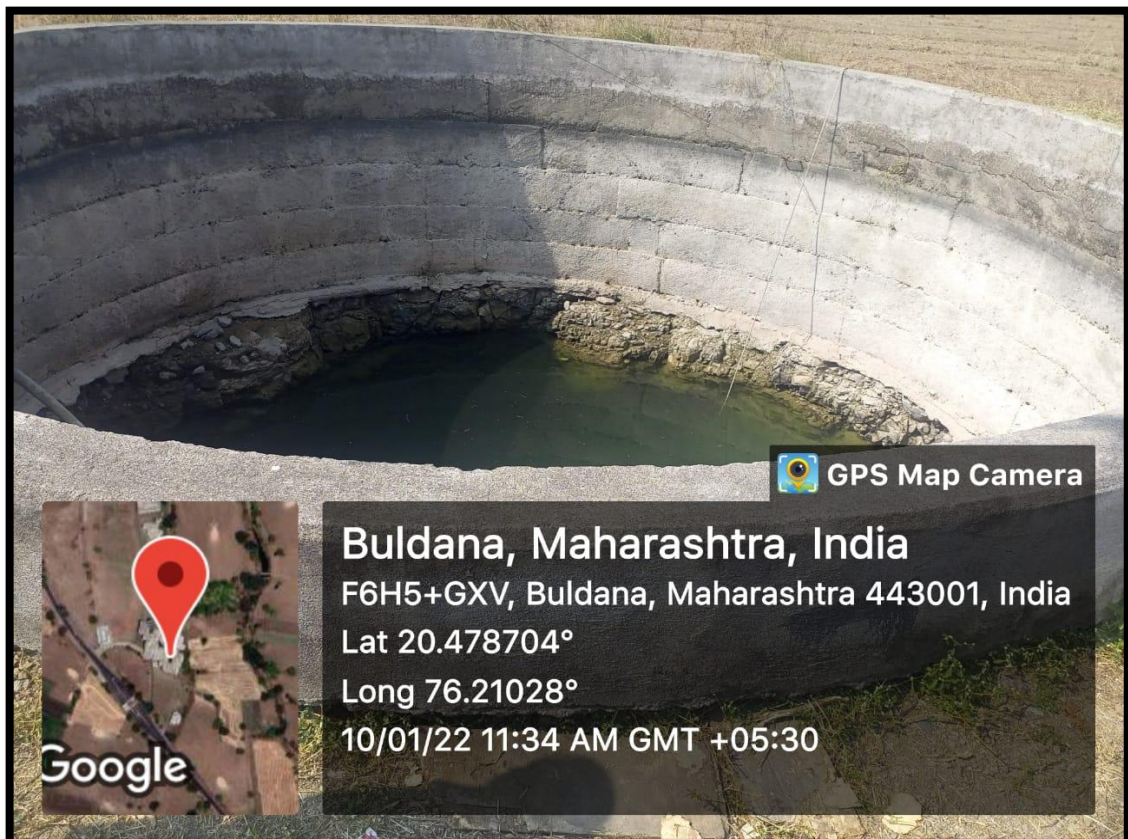
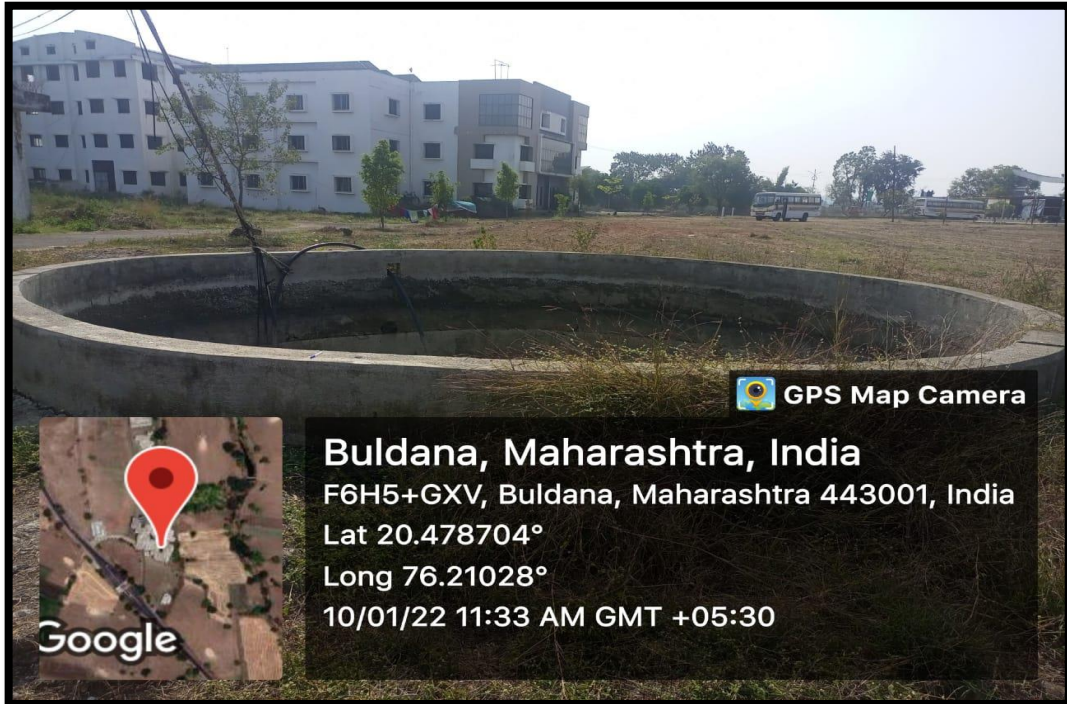
Open well recharge is very effective method of rain water harvesting. The open wells on campus is used to replenish rainwater. The water level rises when the open wells are recharged. As a part of water conservation facilities that are available in the institute, the open well facilities are available in the campus. As the water crisis continues to become severe, there is a dire need of reform in water management system and revival of traditional systems.



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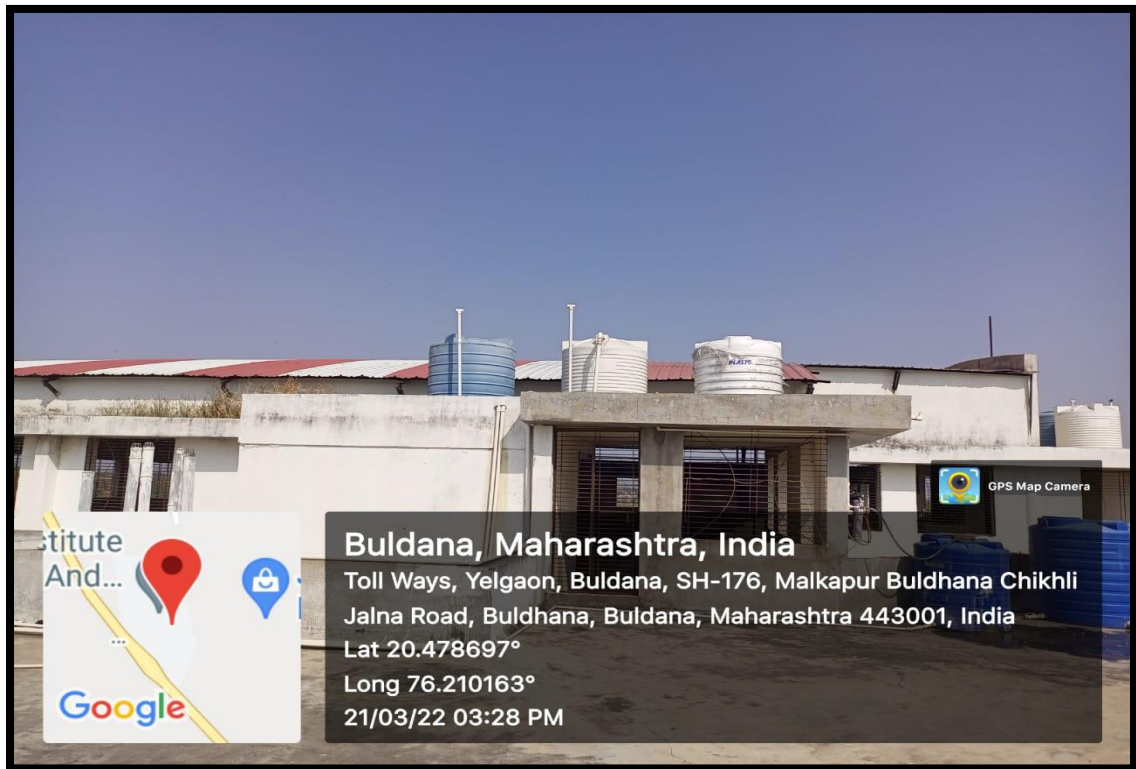
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Open Well Recharge

4. Overhead Water Tank



Storage Tank and Distribution system

5. Maintenance of water bodies and distribution system in the campus.

We are having two water wells in our campus for continuous and sustainable water supply to our campus. We are having 24 X 7 hours supply of water for drinking Purpose and other utility purpose. We clean water wells periodically as well as we usually put bleaching powder to maintain hygienic condition of water. We are also having fishes in water which makes water clean naturally .For water distribution system we are having nine storage tank on our terrace and complete pipe line fitting is incorporated in building. For drinking water supply we are having two water cooler and drinking water facility is provided at three different spot in college Premises. We make cleaning of water well twice in a year and as per requirement it gets increases. For water tanks cleaning, we made the MOU with Mauli Enterprises, Chikhali Road, Buldhana which do the maintenance of RO Drinking water System on monthly basis So that fresh and clean water is available for the drinking purpose.



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Water cooler maintenance carried out in every month



Wash basin facility available at various spot



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Two Water wells available in campus



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Date: 27.6.2024

To,
Pankaj Laddhad Institute of Technology & Management Studies,
Chikhali Road,
Yelgaon, Buldhana.

Subject: - Annual Maintenance Contract of RO Water Filter for a period of One year
from 27 Jun 2024 to 26 Jun 2025.

Reference:-

Respected Sir,

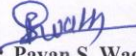
With reference to above mention subject, we are pleased to provide Annual Maintenance
Contract of RO Water Filters for a period of one year as per given details and following terms
and conditions.

Sr. No	Name of College	Location of RO System for AMC	Total Cost
1	Pankaj Laddhad Institute of Technology & Management Studies, Yelgaon, Buldhana	Ground Floor RO System	Rs.15,000/-
2		First Floor RO System (Pantry Room)	
3		Second Floor RO System	
4		Boys Hostel	
		Total	Rs.15,000/-

Terms & Condition:

1. 50% Advance payment and 50% payment will be at the end of Contract.
2. AMC contract is for all above mentioned Location for a given period.
3. Service person should report monthly basis and do the maintenance of RO system. If required to be reported as per requirement on the basis of call.
4. Material which is required for the RO system maintenance should be provided free of cost during AMC period.

Thanking You.


Mr. Pavan S. Wagh
Mauli Enterprises
Chikhali Road, Buldhana

माऊली इंटरप्राइजेस

प्रोग्रा

**MOU between Pankaj Laddhad Institute of Technology & Management Studies,
Buldhana and Mauli Enterprises, Buldhana.**



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3. Water conservation
4. Green campus initiatives
5. Disabled-friendly, barrier free environment

4. The institute has facilities for Green campus initiatives

Sr. No	Parameter
01	Green & Clean Campus Policy
02	Use of Bicycles/ Battery powered and avoid use of two wheeler
03	Ban use of plastic
04	Landscaping





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4. GREEN CAMPUS INITIATIVES

1. Green & Clean Campus policy

 ISO 9001:2008 CERTIFIED	<p>VISION BULDANA EDUCATIONAL & WELFARE SOCIETY, BULDANA'S</p> <p>PANKAJ LADDHAD INSTITUTE OF TECHNOLOGY AND MANAGEMENT STUDIES , BULDHANA</p> <p>(AICTE Approved vide letter F.No.-06/07/Ms-Engg/2009/04 dated June 05, 2009) (Affiliated to Sant Gadge Baba Amravati University, Amravati)</p>
Dr. Deepak S. Laddhad President	Dr. Pradip M. Jawandhiya Principal
No. PLIT/	Date:-
GREEN & CLEAN CAMPUS POLICY	
<p>Pankaj Laddhad Institute of Technology & Management Studies, Buldhana provides platform to the students to explore their love and care for nature and trained them to make aware about the environmental harms and its importance among the society in which they have to create their future.</p>	
Objectives of Policy:	
<ul style="list-style-type: none">To create awareness and social obligation relating to environment protection and its maintenance.Making campus clean and plastic free and other hazardous free substances.	
The Context:	
<p>The Institute is very conscious towards conservation and safety of environment. Nurtures plants and greenery both inside and outside of the campus. All classrooms and Library of the Institute are well structured with natural illumination. It supports conservation of environment and joining the movement against pollution ozone layer depletion.</p>	
The Practice:	
<p>The college has always tried to make green and clean campus and continuous steps are taken towards it. From the various event and programs which tries to create environment consciousness making ecofriendly environment.</p>	
<ul style="list-style-type: none">To create awareness regarding environmental policy amongst the students and the staff.To maintain pollution free campus by avoiding tobacco, pan-masala, chewing on the campus.To ensure ban on single use of plastic inside the campus.To increase use of renewable energy sources.To replace all conventional lights with the LED lights.To undertake tree plantation.To maintain green campus.To process Green ,Energy & Environment Audit regularly.To Gardens & Landscaping.To organize cleanliness drive regularly.To sensitize the students and staff regarding the use of drinking water.To bring the use 'Rainwater Harvesting' in the campus.To use Dust bins in the college campus to keep college campus clean.Implementation of Solid waste management & waste water management system.To ensure proper E-waste management.	
	
<p>Opp. Toll Booth, Chikhali Road, Yelgaon, Buldhana-443002 Toll Free No. 1800 270 1130 Cell: 9422880399, 9422180463, 9422926757 email:-plitprincipal@gmail.com, website: www.plit.ac.in</p> <p style="text-align: right;">Page 1 of 2</p>	



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ISO 9001:2008
CERTIFIED

VISION BULDANA EDUCATIONAL & WELFARE SOCIETY, BULDANA'S
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(Affiliated to Sant Gadge Baba Amravati University, Amravati)

Dr. Deepak S. Laddhad
President

Dr. Pradip M. Jawandhiya
Principal

No. PLIT/

Date:-

- To promote and increase use of Digital library.
- To observes 'No Vehicle Day' and keeps the campus vehicle free.
- To maximum use of public transport for transportation purpose.
- To maintain cleanliness of campus there is separate team.

All stake holders of the institute have to follow this green & clean campus policy. All heads of department along with NSS unit takes all the measures required to maintain green & clean campus.



P. Y. Jawandhiya

Principal
Pankaj Laddhad Institute of Technology
Management Studies, Buldhana

Opp. Toll Booth, Chikhali Road, Yelgaon, Buldhana-443002 Toll Free No. 1800 270 1130
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Page 2 of 2

2. Use of Bicycles/ Battery powered and avoid use of two wheeler

Students, Staff and Faculties are encouraged to come to college by bicycles or battery powered vehicle. To encourage this concerned day is fixed in a month, on that day every stakeholders comes to college by using bicycle i.e. 'No Vehicle Day'. On this day, students, teaching, and non-teaching staff use bicycle or public transportation Switching from a two wheeler to a bicycle saves 150 g of CO₂ per kilometre. Each 7 km by bicycle will save an emission of 1 kilogram of CO₂ as compared to the same distance covered by car.

Also most of the students and staff members are use public transportation facilities instead of individual motor cycles.



Use of Bicycle on "No Vehicle day"

3. Ban use of plastic

Institute celebrates World Environment Day on 5th June. On this occasion awareness program is carried out by organizing different activities. Single-use plastic items such as plastic bottles, bags, spoons, straws and cups are banned completely and awareness is created among



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staff and students through orientation program. Plastic free campaigns are organized regularly to create clean and green campus under NSS and Extracurricular cell. Steel plates, steel glasses or crystal glasses are used in the college canteen instead of Plastic plates and cups. Under Swachha Bharat Abhiyan, students with NSS volunteers take the pledge to keep the campus free from polythene. Mineral water bottles are used occasionally. Paper bags are widely used in the college at the time of events.

4. Landscaping

Pankaj Laddhad Institute of Technology and Management Studies, Yelgaon, Buldhana has a beautiful landscape with mix of very old trees, middle aged trees, young trees or saplings and herbs and shrubs. PLITMS organizes tree plantation program every year at the college campus also outside the campus in order to create clean and green campus. Faculty and students takes part in the Plantation program.





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Tree Plantation Activities



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4. Green campus initiatives
5. Disabled-friendly, barrier free environment

5. The institute has facilities for Disabled-friendly, barrier free environment

Index

Sr. No	Parameter
01	Policy For Persons With Disabilities
02	Ramp
03	Elevators
04	Differently abled Friendly Washroom & Toilet
05	Sign Boards
06	Reception Counters & Personal Assistant
07	Barrier Free Environment Certificate



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5. THE INSTITUTE HAS DISABLED FRIENDLY BARRIER FREE ENVIRONMENT

Pankaj Laddhad Institute of Technology & Management Studies provides barrier-free environment where people with disabilities can move about safely and freely and use the facilities within the built environment. The environment supports the independent functioning of individuals so that they can participate without assistance in everyday activities within the campus. Buildings / places / transportation systems are made barrier free.

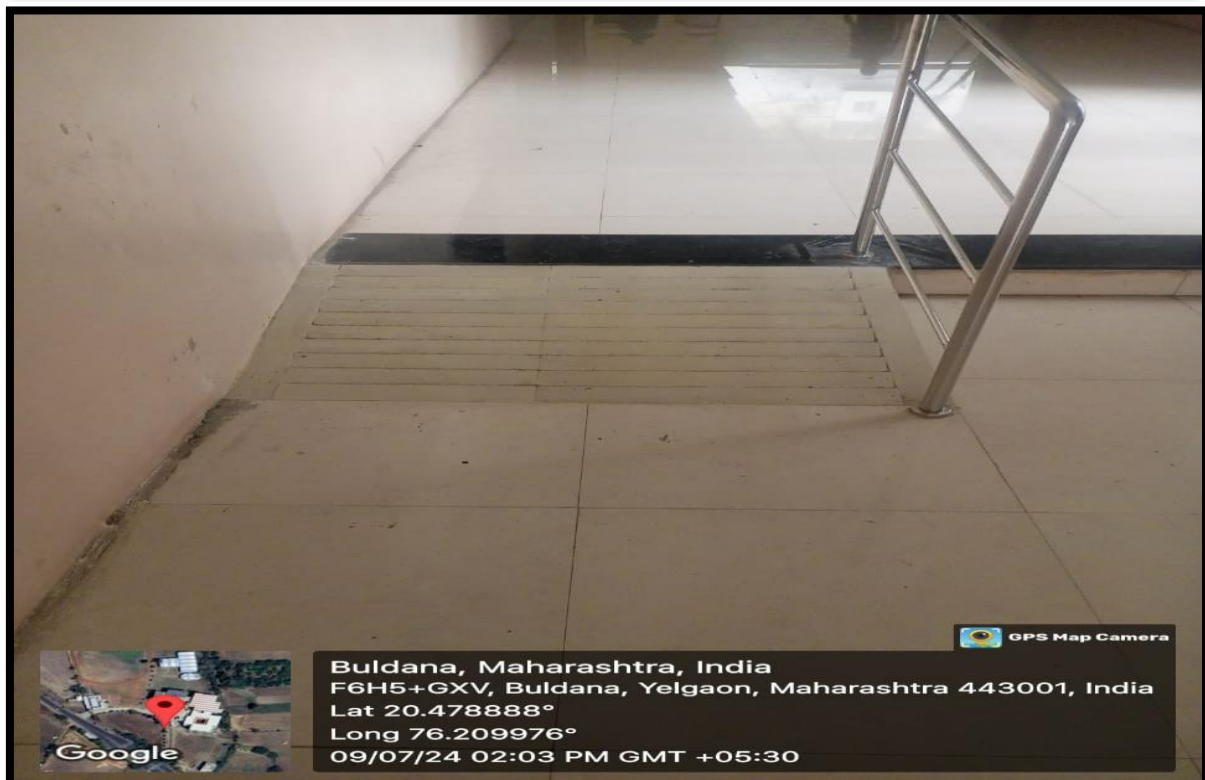
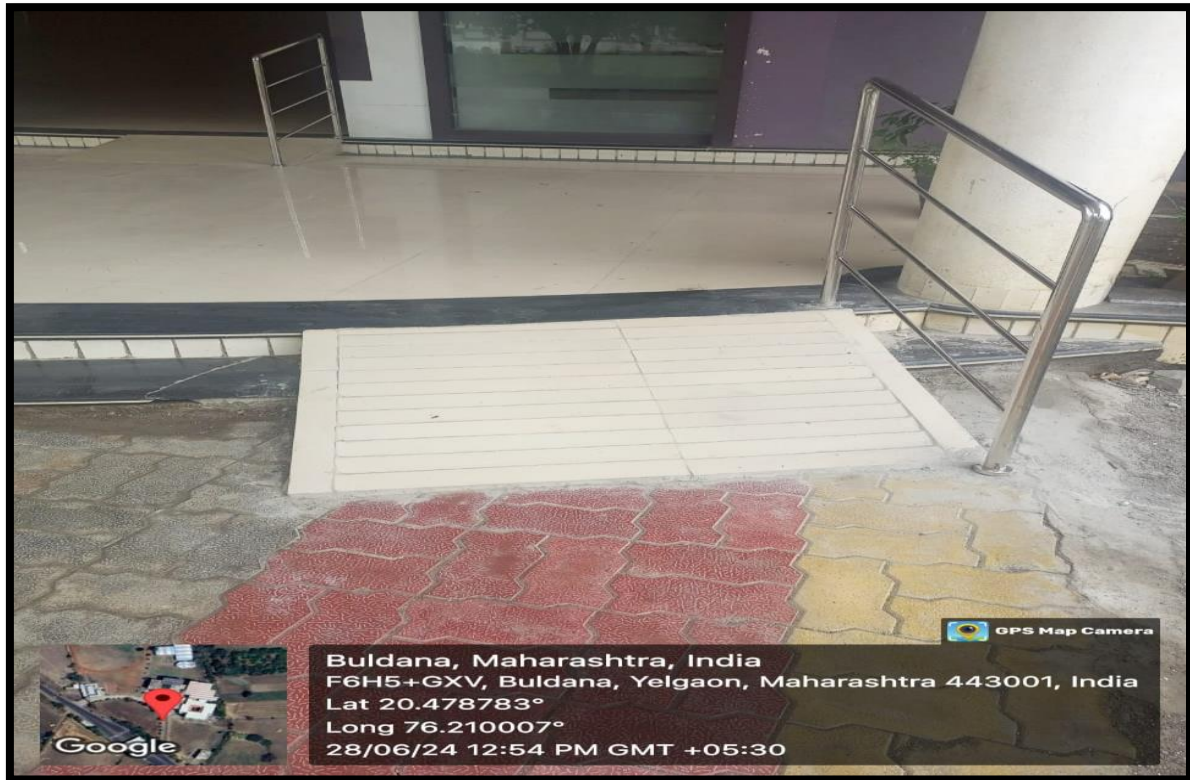
POLICY FOR PERSONS WITH DISABILITIES

1. To create inclusive culture to avoid discrimination. Exploitation and exclusion of disable students and staff from all spheres of work and education.
2. To create Suitable regulatory mechanism foe effective delivery of services to disable/ students and staff of affiliated colleges.
3. To ensure implementation of all legislations with respect to persons with disabilities.
4. To provide accessible and inclusive education at affiliated college.
5. To ensure full participation of persons with disabilities and to provide them the equal opportunities for development.

Principal

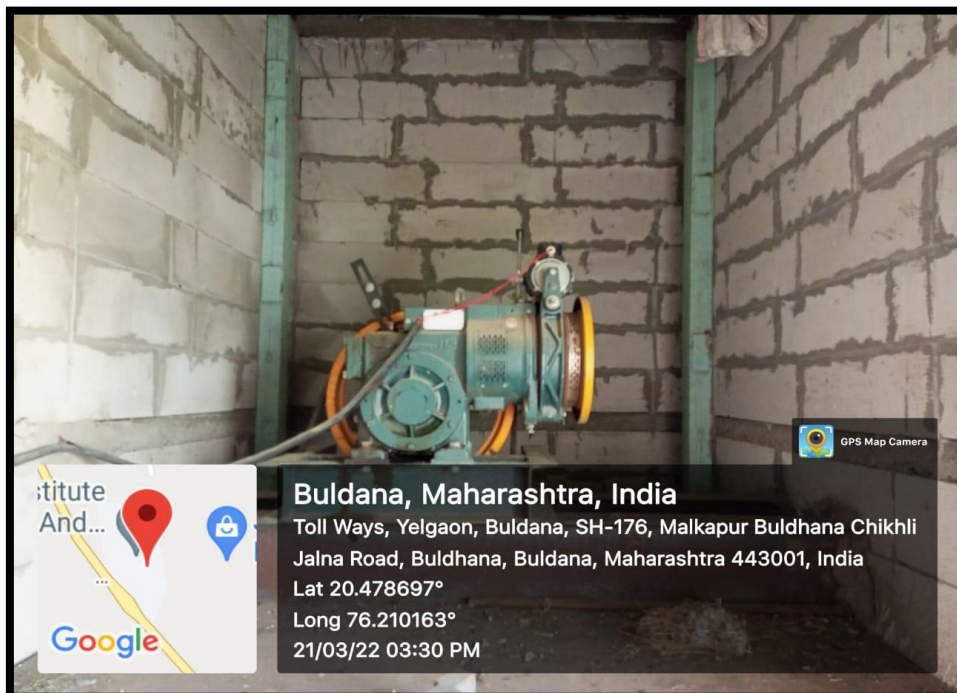
4. Ramp

Ramp-Rails, an inclined plane, are built in addition to staircases in the ground floor. The ramps are carefully designed as per specifications to be used by the differently abled people. Wheelchair facility is also available in the institute.



5. Elevator

College buildings have provision of lift for barrier free access for students, staff, visitors and differently abled people.



Elevators System

6. Differently abled Friendly washroom & Toilet

To ensure the accessible, gender-sensitive, safe, usable and functional washroom facilities should be provided for disabled persons.



Separate arrangement of toilet for Disable Person



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Approved by AICTE New Delhi. Recognized by DTE(M.S).Affiliated to Sant Gadge Baba Amravati University .Amravati ISO 9001:2015 Certified

7. Sign Boards

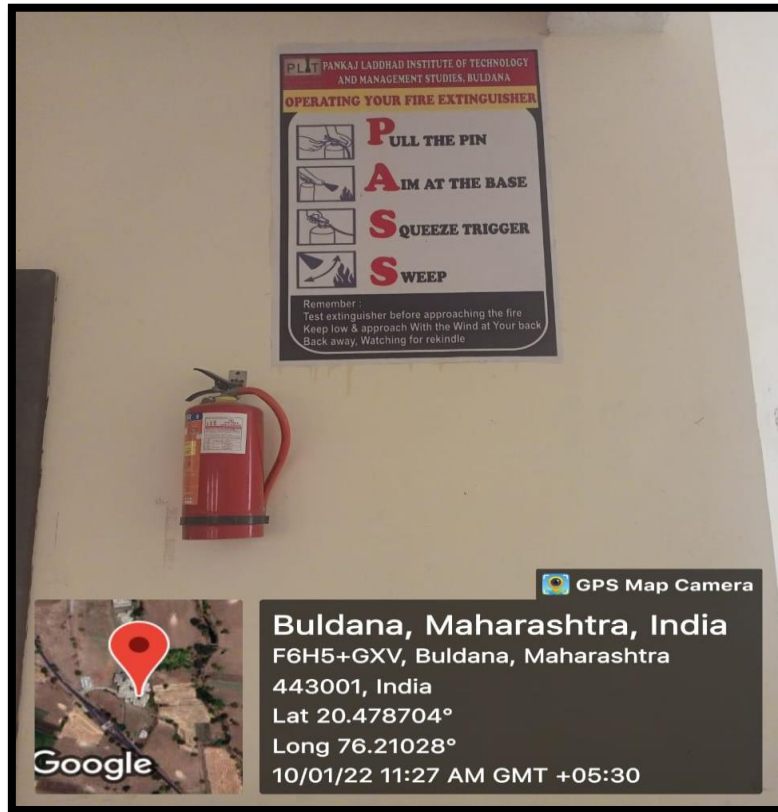




Vision Buldhana Educational & Welfare Society's,
**PANKAJ LADDHAD INSTITUTE OF TECHNOLOGY AND
MANAGEMENT STUDIES, BULDHANA**

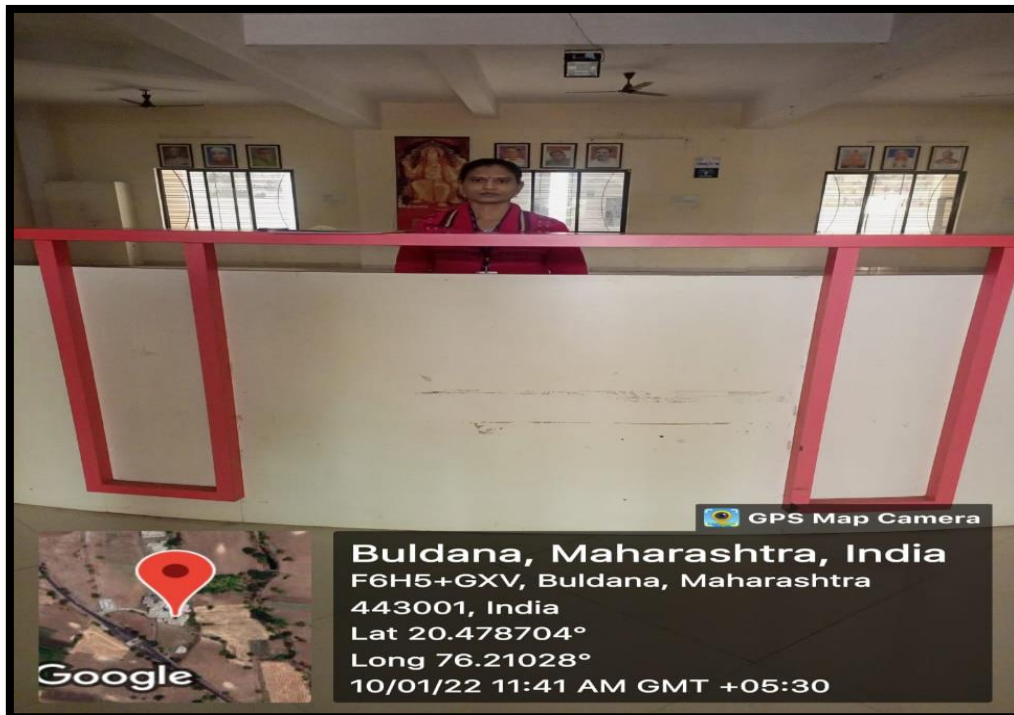
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8. Reception Counter & Personal Assistance

The Reception Counter provides all the needed information to the differently-abled and all stakeholders.



Reception Counter



Vision Buldhana Educational & Welfare Society's,
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9. Barrier Free Environment Certificate

Jayant R. Sonune
B.Arch, A.I.I.A., F.I.I.V.
CA9518967

Consulting

- Architect
- Interior Designer
- Approved Valuer (CAT-4-F-2289)
- Project Management Consultant

Office - "Vastushilp", Chib Layout, S.B.I. Road, Buldhana-443001 (M.S.)
Mob. 9422180345, Ph. 97262-244345 E-mail: vastushilp_jayant@rediffmail.com

CERTIFICATE

This is to certify that the Pankaj Laddhad Institute of Technology and Management Studies, Buldhana at Opp. Tollbooth, Chikhali road, Gut No. 134 & 153, Mz Yelgaon, Tq./Dist. Buldhana, run by Vision Buldhana Educational and Welfare society, Buldhana, Laddhad Hospital, Wankhede Layout, Buldhana is Barrier free environment and toilets created for physically challenged.

Signature and Stamp of the Architect: -

Arch. Jayant R. Sonune
Name of the Architect- Jayant Sonune, A.I.I.A.
Registration No: -CA/95/18967
Date: 28-03-2023
Place: -Buldhana

Signature valid
Digitally signed by DEEPAK SITARAM LADDHAD
Date: 2023.06.14 14:43:00 IST