

## **Low-Carbon Energy Tracking**

The University of Poonch Rawalakot (UPR) monitors energy use and efficiency.

In addition to tracking low-carbon energy use, UPR is engaged in energy conservation and behavior change initiatives to reduce energy consumption across the campus. This involves promoting energy-saving behaviors among students and staff, such as turning off lights and electronics when not in use and implementing energy-efficient technologies and practices in buildings and transportation systems.

## **Hydroelectric Power: UPR's Key Energy Source**

The University of Poonch utilizes hydroelectricity (100 %) as its primary energy source, lowering carbon emissions. Hydropower is recognized for its minimal carbon footprint, emitting about 24 grams of carbon dioxide (CO<sub>2</sub>) per kilowatt-hour (kWh) produced during its life cycle.

## **Completed Hydropower Projects in Azad Jammu and Kashmir**

The completed projects of Azad Jammu and Kashmir that generate hydropower electricity are given at the link:

<https://www.ajkpdo.gok.pk/home/completed-projects/>

[date 23-11-2024](#)



# AJK POWER DEVELOPMENT ORGANIZATION

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## Completed Projects

### COMMISSIONED / OPERATIONAL PROJECTS

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Sr. #	Power Stations	Cap. (MW)	Investment Cost (M. Rs.)	Year of Completion	Status
1	Kundal Shahi	2.00	100.00	1997	Isolation mode
2	Kathai	3.20	150.00	1998	—
3	Leepa	1.60	102.00	1999	—
4	Jagran-1	30.40	3800.00	2000	Grid Mode
5	Changan	0.05	1.00	2008	Isolation mode
6	Sharian	3.20	400.00	2011	—
7	Halmat	0.32	32.00	2013	—
8	Ranger-I	0.60	69.00	2013	—
9	Qadirabad	3.00	400.00	2014	—

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Completed Projects	9	Qadirabad	3.00	400.00	2014	—
Projects Under Construction	10	Rehra	3.20	400.00	2015	—
Projects Under 50MW	11	Sharda	3.00	400.00	2015	—
PDO ACT	12	Kel	0.75	134.00	2016	—
Monitoring Proforma	13	Pattika	0.50	85.00	2016	—
AJKADP	14	Battar	4.80	780.00	2016	—
Power Generation Policy 2015	15	Dhannan	1.7	299.00	2018	—
Firm Registration with AJK PPC	16	Galater	1.0	279.886	2018	—
Projects Available for Financing	17	Kel	0.500	160.359	2019	—
Picture Gallery	18	Kappa Banamula	2.00	454.840	2019	—
Tenders	19	Hajira	1.60	459.527	2019	—
Downloads	20	Hillan	0.600	124.00	2019	—
Map	21	Rangar-II	0.45	96.534	2019	—
	22	Guin Nullah	0.25	79.969	2019	—
	23	Jhing	14.4	1909.00	2021	Grid Mode
	24	Bhedi Doba	1.0	382.00	2022	Isolation Mode
		<b>Total</b>	<b>80.12</b>			

Screenshot of Completed Hydropower Projects in Azad Jammu and Kashmir  
Generating Electricity Sustainably

## Electric Power Consumption and Hydroelectricity Dominance: University of Poonch Rawalakot's 2023 Overview

The University of Poonch Rawalakot consumed 817 Giga Joules of electricity from January to December 2023 (copy attached). Energy consumption for each building on campus has been accurately calculated and presented in a detailed table. The primary source of this energy was hydroelectric power, reflecting the region's reliance on the hydroelectric projects completed in Azad Jammu and Kashmir.



## UNIVERSITY OF POONCH RAWALAKOT

### The Directorate of Works

Phone No.: 0092-5824-960094, Fax 960054 Email: directorworks@upr.edu.pk

#### POWER CONSUMPTION DURING JAN-DEC 2023 IN UPR

Electric Power consumed in different premises of University of Poonch Rawalakot during the time period of January to December 2023	2,26967 kWh <b>817 Giga Joules</b>
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Deputy Director Works

UPR



# UNIVERSITY OF POONCH RAWALAKOT

## The Directorate of Works

Phone No.: 0092-5824-960094, Fax 960054 Email: [directorworks@upr.edu.pk](mailto:directorworks@upr.edu.pk)


### University of Poonch, Rawalakot

#### Electricity Units Consumed During January 2023 - December 2023

S No.	Account Title	Electricity Units Consumed (KWH)
1	Agriculture University 01	45,870
2	Agriculture University 02	9,599
3	Agriculture University 03	17,101
4	Medical Science	1,099
5	Admin Block	21,669
6	Dean House Res. Colony	15,047
7	Management Sciences 1	9,310
8	Management Sciences 2	2,678
9	Management Sciences 3	1,150
10	Mong Campus 1	1,809
11	Mong Campus 2	1,170
12	Faculty of Engineering	8,037
13	CS&IT	15,980

14	Admin CS&IT	21,670
15	Extension Block	18,230
16	Basic & Applied Sciences(Admin Block 1)	16,340
17	DVM 01	1,199
18	DVM 02	12,311
19	DVM 03	2,369
20	DVM 04	4,329
	<b>Total Electricity Consumed - KWH (Kilo Watt Hour)</b>	<b>2,26967</b>
	<b>Total Electricity Consumed - GJ (Giga Joules)</b>	<b>817</b>

The electricity bill of one month of UPR, given as a sample

AZAD JAMMU & KASHMIR ELECTRICTY DEPARTMENT												
DIVISION		SUB DIVISION		FEEDER		BILL MONTH		READING DATE		ISSUE DATE		
RAWLAKOT		RAWLAKOT		700603-CMH-1		Jan-24		01 JAN 24		11 JAN 24		
REFERENCE NO		TARIFF		LOAD		OLD A/C NUMBER						
17125305240164498U		A-3a(66)		15.00		9591/2642						
CONN DATE				ZONE : UNIVERSIT								
NAME & ADDRESS				Faculty Of Engineering				Meter Status				
U.P.R Near Gulf Departmental Store												
KWH METER READING				KVARH METER READING			MDI METER READING					
METER NO	PREVIOUS	PRESENT	MF	PREVIOUS	PRESENT	MF	PRV/CUM	PRS/CUM	MF			
102112	42615 3965	43397 3975	1 1									
CONSUMPTION 802				BILL ADJ			0					
VARIABLE CHARGES				23,907.62			INSTALLMENT			0		
FIX CHARGES							UNPAID DEBT			0		
L.P.F.P CHARGES							AMOUNT SET ASIDE			0		
FC SUR				2,590			ADVANCE AMOUNT (FOR INCENTIVE)			0		
GST				4,950			AQTA			1,002		
INCOME TAX WH				0			EDUCATIONAL CESS			0		
MR. BANK CHARGES				8			TOTAL FPA			0.00		
PF				0			PAYABLE AFTER DUE DATE			35		
F-TAX				0								
F-TAX				0								
MONTH	KWH CONS	KVARH CONS	MDI (PEAK) CONS	AMOUNT DUE	AMOUNT PAID							
Jan 23	1775		0	52131	52234	29,8130 X 782						
Feb 23	520		0	18552	18955	29,8130 X 782						
Mar 23	473		0	17302	19186							
Apr 23	704		0	34494	33530							
May 23	915		0	36833	36833							
Jun 23	349		0	14491	14051							
Jul 23	524		0	22072	20736							
Aug 23	473		0	21202	23333							
Sep 23	506		0	17944	16294							
Oct 23	769		0	31122	31123							
Nov 23	377		0	15261	15262							
Dec 23	693		0	28289	28289							
										CONSUMER ID: 2710006404		
Note: Do not Stamp / Signature on Bar Code.												
AZAD JAMMU & KASHMIR ELECTRICTY DEPARTMENT						نوٹ: بار کوڈ پر میٹر یا دستخط نہ کریں۔						
												
						BILL NO: 1181      JAN 24 - 24 71253 0524 0164498 - 000037157 - 24 JAN 24 - 15						
OLD MONTH	DUPLICATE DATE	REFERENCE NUMBER	OLD A/C NO	PAYABLE WITHIN DUE DATE	PAYABLE AFTER DUE DATE							
Jan-24	24 JAN 24	247125305240104498U	9591/2642	32,457	35,20							