

UNDERSTANDING ELECTRICITY BILL







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1. Introduction

Electricity bill is an important document for any electricity consumer to understand electricity charges, a pattern of consumption, and the impact of efficiency measures. It is also important to know various components of the bill to know their respective contribution to the total bill to ensure transparency in billing by distribution companies (Discoms). It has been seen that most of the consumers are oblivious of the tariff categories, codes, surcharges and duties levied in the electricity bill. This document attempts to inform the consumer about the electricity bill, its various components, and codes.

2. Components of Electricity Bill

The major components/information present on the electricity bill is as follows:

- a) Tariff /Category: Tariff category or code determines the rate at which a consumer shall be charged and also the type of consumer. Typical tariff codes start with LT (Low Tension) or HT (High Tension). LT codes refer to 'Low Tension' connections which are usually used for housing connections and personal offices. HT codes refer to 'High Tension' and are usually used for bigger industries and complexes. The category in the bill is decided as per the nature of the connection, i.e. residential, commercial or industrial.
- b) **Energy Charges/Fixed Charges**: The rates/slab is two-parts, i.e. Fixed Charges and Energy Charges.
 - Energy Charge: This is the per-unit electricity charge that is paid in the bill and dependent on the number of units consumed. It is mostly defined slab wise and the cost increases as units on electricity bill increase.
 - Fixed Charge: This is dependent on the connected load & supply type that is provided by the Discoms.
- c) **Units Consumed:** Units consumed is the number of kWh (Kilo-Watt-Hour) consumed in a month. This is determined as the difference in readings of meter taken periodically.
- d) **Type of Supply & Connected Load:** Connected Load is the total supply that is offered to a meter and is calculated in Kilo-Watts. It also determines if the connection will be a single-phase or three phases.
- e) Fuel Surcharge (FS): Fuel Surcharge is levied to recover the extra cost of power incurred by Discoms due to the fuel price fluctuations. Fuel Surcharge is computed Quarterly by the Discoms in Rajasthan and levied in 1 or 2 installments in the electricity bill.
- f) **Penalties:** The Discoms can penalise consumers on the following grounds and these penalties are mentioned under various head in the electricity bill:

- Power Factor: The power factor penalty is levied on consumers who are not billed on kVA and the consumers are required to maintain a power factor above 0.95 or 0.90 as defined in the code of supply to prevent the penalty. Maintaining optimum Power Factor is incentivised by Discoms.
- Load Factor: Load factor is a measure of how efficiently electrical energy is being consumed.

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Load\ Factor = \frac{Total\ energy\ consumption\ in\ billing\ period\ (kWh)}{Peak\ Demand(kW) \times Billing\ cycle\ (Days) \times 24(Hr.)}
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The load factor above 0.75 signifies that electricity is being consumed efficiently. Any figure below 0.5 is considered as a low utilisation rate and optimum utilisation is incentivised.

• Late Payment: Late payment is levied at 2 percent per month and 4 percent per month on domestic consumers if he/she fails to pay the bill before the due date mentioned on the bill.

g) **Rebates:** Following are cases in which Discoms provide rebates to consumers:

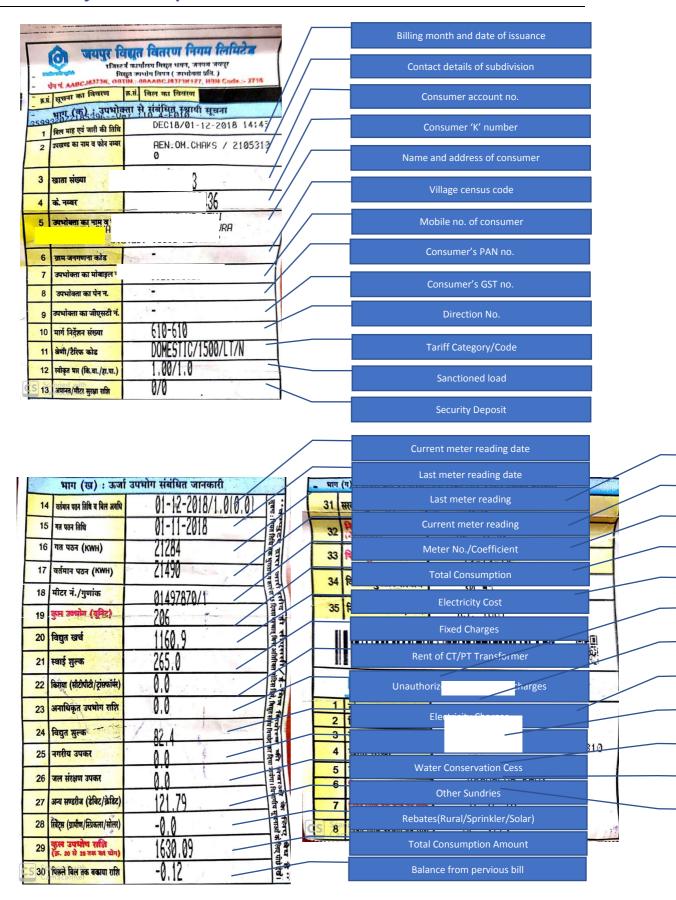
- Online Payment: Online payment of electricity bills is encouraged by exempting payment up to Rs. 5000 from any transaction charges for paying the bill online via multiple online payment platforms.
- Pre-Paid/Advance Payment: To promote pre-paid metering, a rebate of Rs. 15 paise per unit is provided for domestic consumers and for consumer category as described in tariff schedules.
- Prompt Payment: To promote the early payment of electricity bills, an incentive of 0.15 percent on energy and fixed charges are provided in the next bill where the payment is received before seven (7) days from the due date of the bill and an incentive of 0.35 percent of Energy charges & Fixed charges is provided in next bill, where the payment is received before ten(10) days from the due date of the bill.
- Other Rebates: A rebate of 25 Paise per unit subject to a maximum of Rs. 300 per month for a maximum period of 5 years in the "Energy Charges" is provided if the consumer installs and uses the "Solar Water Heating System".

h) Other Charges

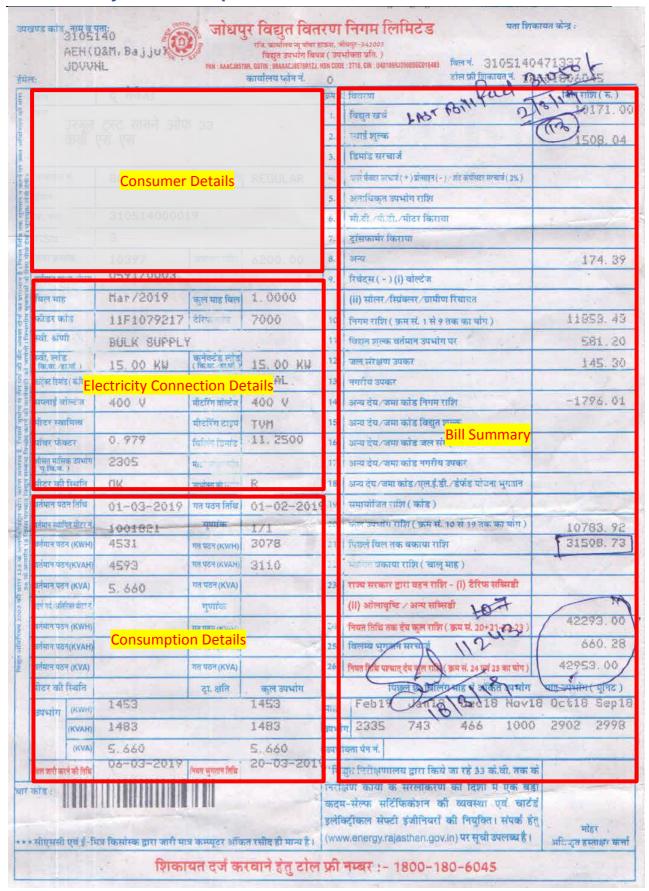
Electricity Duty

This is the government tax for using electricity. Duty is applicable per unit of electricity consumption and tax is applied on the whole bill amount.

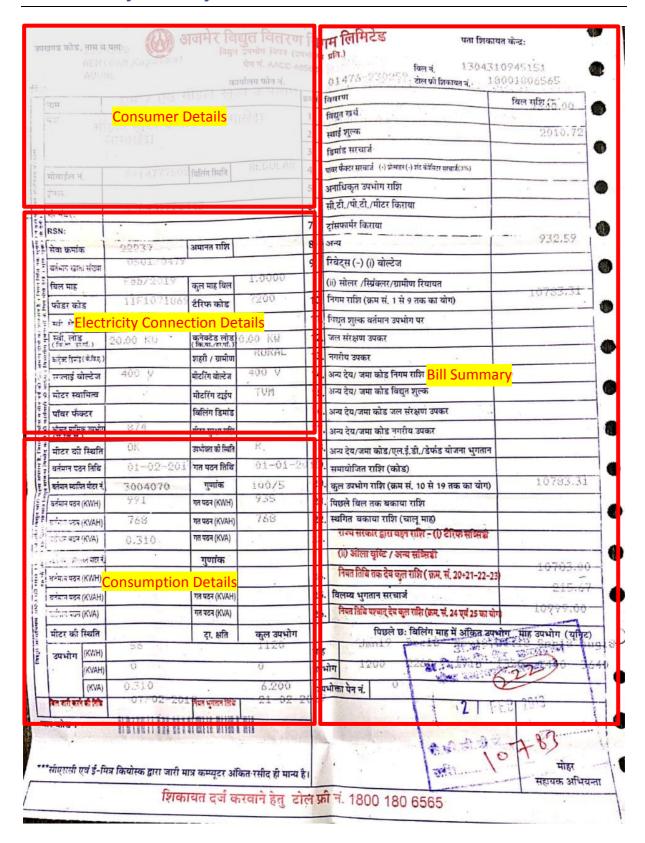
3. Electricity Bill - Jaipur Discom



4. Electricity Bill - Jodhpur Discom



5. Electricity Bill - Ajmer Discom



Annexure 1: Electricity Tariff as per Tariff Order dated 06.02.202

Category	Energy Charges per Unit (Rs.)	01.02.2020 onwards Fixed Charges (per Connection per month) (Rs.)	
Domestic	(1.0.7	(per comments) per menun, (ner)	
BPL & Astha Card holders (50 units/month)	3.50	Rs. 100	
Small Domestic (50 units/month)	3.85	Rs. 125	
General (DS-LT-1)			
i) First 50 unit/month	4.75	Rs. 230	
ii) 51-150 units/month	6.50	Rs. 230	
iii) 151-300 units/month	7.35	Rs. 275	
iv) 301-500 units/month	7.65	Rs. 345	
v) above 500 units/month	7.95	Rs. 400	
HT-Domestic (DS-HT-1)			
for CD more than 50 KVA	7.15	Rs. 250 per KVA/month of billing demand	
Non-Domestic			
NDS-LT-2			
For SCL up to 5kW			
For 0-100 units/month	7.55	Rs. 300	
For 101-200 units/month	8.50	Rs. 300	
For 200-500 units/month	8.85	Rs. 380	
For more than 500 units/month	8.95	Rs. 460	
For SCL more than 5kW			
For 0-100 units/month	7.55	Rs. 135/KW	
For 101-200 units/month	8.50	Rs. 135/KW	
For 200-500 units/month	8.85	Rs. 135/KW	
For more than 500 units/month	8.95	Rs. 150/KW*	
·		* or Rs. 270 per KVA of billing demand per month above the SCI 18.65 kW (25HP)	
NDS-HT-2			
For CD more than 50kVA	8.85	Rs. 270/KVA per month of billing demand	
Agriculture			
Ag (Metered)			
i) General (getting supply in block hours)	5.55	Rs. 30/- HP per month	
ii) All others not covered under (i) above and getting supply more than block hours	7.10	Rs. 60/- HP per month	
Ag (Flat)	Do 745/ UD nos manth	Do 20/ UD non manth	
i) General (getting supply in block hours)	Rs. 745/- HP per month	Rs. 30/- HP per month	
ii) All others not covered under (i) above	Rs. 895/- HP per month	Rs. 60/- HP per month	
and getting supply more than block hours INDUSTRIAL			
SIP (SP/LT-5) upto 18.65 kW (25HP)	6.00	De 90/ nor UD nor month	
Upto consumption 500 units/ month	6.00	Rs. 80/- per HP per month	
Consumption above 500 units/ month	6.45	Rs. 110/- per HP per month	
MP/LT-6		Do 115/	
Connected load more than 18.65 kW (25HP) up to 112 kW (150 HP) or Max. demand up to 50kVA	7.00	Rs. 115/- per HP per month or Rs 230 per KVA of billing demand pe month	
HT Category			

MP/HT-3		
Connected load more than 18.65 kW (25HP) up to 112 kW (150 HP) and/or Max. demand up to 125kVA	7.00	Rs. 230 per KVA of billing demand per month
LP/HT-5		
Connected load more than 150HP and/ or Max. demand up to 125kVA	7.30	Rs. 270 per KVA of billing demand per month
Mixed Load Bulk Supply		
ML/LT-7		
Up to 50 kVA	8.05	Rs. 105/- HP per month of SCL/ Rs. 215 per KVA of billing demand per month
ML/HT-4		
More than 50 kVA	8.05	Rs. 215 per KVA of billing demand per month
Public Street Lighting		
PSL/LT-3		
In panchayats and Muncipal Areas having Population less than 1 Lac	7.55	Rs. 115/- per Lamp point per month maximum Rs. 1150/-
In Muncipal Areas having Population 1 Lac & above	8.10	Rs. 145/- per Lamp point per month maximum Rs. 2835/-

	PURPOSE	TARIFF CODE			
S.NO		CURRLY & METERING	SUPPLY ON HT		
S.NO		SUPPLY & METERING ON LT	METERING ON		
			LT	HT	
1	DOMESTIC				
I	DOMESTIC GENERAL	1000	1010	1011	
П	RESIDENTIAL COLONIES	1100	1110	1111	
Ш	KUTIR JYOTI	1200			
IV	WITHOUT METER	1300			
V	BPL KACHHIBASTI CONSUMERS IN URBAN AREA	1400	1410	1411	
VI	IN RURAL AREA HAVING 24 HOURS SUPPLY	1500	1510	1511	
VII	RESIDENTIAL COMPLEX(ONE POINT SUPPLY)		1610	1611	
VIII	COMMUNITY KITCHEN CONNECTIONS(JPD/6-344)	1700	1710	1711	
IX	FARM HOUSE (JDP/6-360)	1800	1810	1811	
2	NON DOMESTIC				
I	SANCTIONED LOAD UPTO 5KW	2000			
П	SANCTIONED ABOVE 5KW BUT UPTO 50KW	2020			
III	SANCTIONED LOAD BEYOND 50KW/CD		2010	2011	
IV	PUBLIC WATER HUT	2100	2110	2111	
V	PERMANENT CONNECTION TO OWNER OR OCCUPANT OF INDIVIDUAL APPARTMENT OR BUILDING AND FOR COMMON FACILITY OF MULTY STORYED BUILDING				
	A) SANCTIONED LOAD UP TO 5KW	2200			
	B) SANCTIONED LOAD BEYOND 5KW	2220			
VI	GAUSHALAS				
	A) SANCTIONED LOAD UP TO 5KW	2500			
	B) SANCTIONED LOAD BEYOND 5KW BUT UP TO 50 KW	2520			
	C) SANCTIONED LOAD BEYOND 50KW		2510	2511	
VII	JOJOBA CULTIVATION				
	A) SANCTIONED LOAD UP TO 5KW	2500K			

	B) SANCTIONED LOAD BEYOND 5KW BUT UPTO 50 KW	2520K		
	C) SANCTIONED LOAD BEYOND 50KW		2510K	2511K
VIII	24 HOURS SUPPLY IN RURAL AREA			
	A) SANCTIONED LOAD UPTO 5KW	2600		
	B) SANCTIONED LOAD BEYOND 5KW BUT UPTO 50 KW	2620		
	C) SANCTIONED LOAD BEYOND 50KW		2610	2611
	D) PETROL PUMP IN RURAL AREA SUPPLY FROM 24 HRS FEEDER			
	LOAD>5KW AND METERING ON HT SIDE	2612		
	E) PERTOL PUMP IN RURAL AREA SUPPLY FROM 24 HRS FEEDER			
	LOAD>5KW AND METERING ON LT SIDE	2613		
IX	RESTAURANT DHABA PETROL PUMP ETC	2700	2710	2711
3	PUBLIC STREET LIGHT IN PANCHAYAT AND MUNICIPALITIES			
I	POPULATION BELOW 1 LAC WITHOUT TIMERS	3000	3010	3011
II	POPULATION BELOW 1 LAC WITH TIMERS	3300	3310	3311
III	POPULATION ABOVE 1 LAC WITHOUT TIMERS	3100	3110	3111
IV	POPULATION ABOVE 1 LAC WITH TIMERS	3200	3210	3211

For more information about tariffs and related categories, check on the following links:

Jaipur Discom

https://energy.rajasthan.gov.in/content/dam/raj/energy/jaipurdiscom/PDF2020/February2 020/JPR1026.pdf

Ajmer Discom

https://energy.rajasthan.gov.in/content/dam/raj/energy/avvnl/pdf/CommlAJ/AVVNL TARR IF-2020.pdf

Jodhpur Discom

 $https://energy.rajasthan.gov.in/content/dam/raj/energy/jodhpurvvnl/pdf/Commercial\%20 \\ Circular/Cir_937.pdf$

Annexure 2: Tariff Codes

	PURPOSE		SUPPLY ON HT	
S.NO		SUPPLY & METERING ON LT	METERING ON	
			LT	нт
4	AGRICULTURE			
	METERED			
1	GENERAL SUPPLY IN BLOCKS	4000	4010	4011
II	NURSERIES			
	A)SUPPLY IN BLOCKS	4200	4210	4211
	B)SUPPLY IN 24 HOURS	9200	9210	9211
III	POULTRY FARMING	4300	4310	4311
IV	SPECIAL CATEGORY AND OTHERS			
	A)SUPPLY IN BLOCKS	4400	4410	4411
	B)SUPPLY IN 24 HOURS	9400	9410	9411
	C) SPRINKLER SYSTEM	9400a	9410a	9411a
V	AR(FR)CONVERTED TO AG (METER) BUT METER REMOVED BY THE CONSUMERS AT HIS LEVEL			
	A)SUPPLY IN BLOCKS	4020		
	B)SUPPLY IN 24 HOURS	4420		
5	FLAT			
ı	GENERAL SUPPLY IN BLOCKS	4100		
II	SPECIAL FODDER SCHEME			
	A)SUPPLY IN BLOCKS	4500		
	B)SUPPLY IN 24 HOURS	9500		
III	ALL OTHERS NOT CONVERTED ABOVE			
	A)SUPPLY IN BLOCKS	4600		
	B)SUPPLY IN 24 HOURS	9600		
6	SMALL INDUSTRIAL POWER			
I	EXISTING CONNECTION	5000	5010	5011
II	NEW CONNECTION	5200	5210	5211
7	MEDIUM INDUSTRIAL POWER			
I	SANCTIONED CONNECTED LOAD 25 HP TO 150 HP			
II	EXISTING CONNECTION	6000	6010	6011
III	NEW CONNECTION	6100	6110	6111
IV	CONTRACT DEMAND ABOVE 50 KVA EXISTING INDUSTRY	6200	6210	6211
V	CONTRACT DEMAND ABOVE 50 KVA NEW INDUSTRY	6300	6310	6311
VI	TO GET REBATE BY HT SUPPLY CONSUMERS	6400	6410	6411
VII	LT CONSUMERS CROSSED MD 50KVA THRICE	6500		
8	MIXED LOAD			
1	GENERAL SUPPLY IN BLOCKS	7000	7010	7011
II	RECOGNISED EDUCATIONAL INSTITUTIONS	7200	7210	7211
III	NON DOMESTIC BUILDING COMPLEX(ONE POINT SUPPLY)		7310	7311

Annexure 3: Meter Status Codes In Mb-11 (JPD/6-362)

S. No.	Description	Code
1	METER BURNT	В
2	METER DEFECTIVE	D
3	METER STOPED	s
4	METER BODY SEAL BROKEN	М
5	GLASS BROKEN	G
6	METER BOX SEAL BROKEN	К
7	TERMINAL SEAL BROKEN	Т
8	OBSTACLE	0
9	PREMISES FOUND LOCKED	L
10	ROUND COMPLETE	R
11	METER CHANGED	С
12	READING NOT TAKEN	N
13	DISPLAY OUT	А
14	AREA WITHOUT SUPPLY	w