Domestic Utilities Bill Calculator

The problem statement deals with the calculation of the total amount a house owner has to pay as part of their monthly bills for consumption of certain utilities.

The different types of utility taxes being:
1. House: Paid annually, based on the sq. foot of the house
2. Water: Paid monthly, based on the litres of water consumed
3. Electricity: Paid monthly, based on the units of electricity consumed
4. Phone: This has two further categories:
   - Fixed Charges
   - Variables charges - based on the number of seconds of call duration
5. Gas: Paid monthly, based on the number of litres of fuel consumed

For some utilities, one can pay an additional amount in advance (the amount paid can be greater than the billed amount), while for some, this is not allowed. Some utilities are taxable, while some are not.

Consider the following data as an example:
House: 650 square feet, non taxable (INR 10/sq.ft)
Water - 150,000 litres consumption per month, non taxable (INR 1 per 1000 litre)
Electricity - 200 kwh per month, taxed at 18% GST (INR 5/unit)
Phone - 50,000 seconds, taxed at 5% cellular cess (1p/sec) (INR 100 fixed charges)
Gas - 15 litres per month, non taxable (INR 15/litre)

For the above problem statement, prepare a solution that calculates the monthly total spending for a house considering the different factors mentioned above. The input should be the amount of utilities consumed. The rate can be assumed to be fixed.

The input should take in the consumption of different utilities for the month.
i/p:
Phone Consumption: 10000s
Gas Consumption: 1500 litres

The output should contain a summary of the total spending for the month. The month wise spending for different utilities should also be reflected under different headings. For example:

o/p:
Total spending for this month: INR 10,000

Electricity: INR 2000
Gas: INR 225
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Other annual expenses:
House Tax: INR 6500

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In case of any unknowns, please use standard assumptions.
For any further queries, feel free to drop a mail at contact@debuide.com.