














Session: Prepaid Meter











Learning Objectives	Evaluation Criterion
<ul style="list-style-type: none"> Explain the functioning of a prepaid meter and how it calculates the amount in terms of energy consumed Explain the benefits and tamper-proof features of a prepaid meter 	Interactive Questioning

	Duration	30 Minutes
	Resources	PowerPoint Presentation, Whiteboard, Markers, Screen and Projector
	Facilitator's Notes	In this session, take the participants through an interactive presentation with video snippets on the functioning of a prepaid meter and how it calculates the amount in terms of energy consumed. You will also explain the benefits and tamper-proof features of a prepaid meter.












End of Notes

		1.	<p>Tell:</p> <p>Welcome to the video presentation on 'Prepaid Meter'.</p> <p>Here, we will learn about the functioning of a prepaid meter, how it calculates the amount in terms of energy consumed, its benefits and tamper-proof features.</p>
			<p>Facilitator's Notes:</p> <ul style="list-style-type: none"> Display the slide Read out the objectives and ask learners to note them Inform them that they will be asked questions during the session <p>End of Notes</p>
		2.	<p>Tell:</p> <p>By the end of this session, you will be able to:</p> <ul style="list-style-type: none"> Explain the functioning of a prepaid meter and how it calculates the amount in terms of energy consumed Explain the benefits and tamper-proof features of a prepaid meter
		3.	<p>Tell:</p> <p>Normally, a prepaid meter is used in government offices and multi-storeyed buildings to ensure revenue realisation of consumed energy.</p>
		4.	<p>Tell:</p> <p>Let us now discuss prepaid and post-paid meters.</p> <p>A prepaid meter is installed at the consumer's place. He buys a recharge coupon and</p>

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			<p>keys the code in the meter.</p> <p>For a post-paid meter, the consumer gets the bill based on the reading of consumed current.</p> <p>Facilitator's Note: Click to play the video.</p>
		5.	<p>Tell:</p> <p>Let us talk about prepaid meter. As you see, it is a polyphase prepaid meter. These meters are available in single phase also. The sanctioned kilowatt is 13. It is a Secure meter. Its number is displayed on it.</p> <p>Facilitator's Note: Click to play the video.</p>
		6.	<p>Tell:</p> <p>Let us talk about this meter from the consumer's perspective.</p> <ul style="list-style-type: none"> ● A consumer can see the reading, consumption and billing in the meter ● If there is any misuse or additional consumption, it will show in the readings ● Consumer can compare it with previous month's consumption ● The balance will be deducted on daily basis and the month-end bill will be prepared ● Consumer can check whether the he is being charged correctly by the department ● Avoids disputes between tenants and house owners <p>Facilitator's Note: Continue to play the video.</p>
		7.	<p>Tell:</p> <p>From the utility perspective, it has two benefits. Firstly, money is received in advance before consumption. This is known as advance payment. Secondly, the process of revenue cycle will be streamlined. So, in this way, the entire revenue cycle can be managed easily.</p> <p>Facilitator's Note: Continue to play the video.</p>
		8.	<p>Tell:</p> <p>Let us look at the meter closely.</p> <p>You can see that it displays Mains On, Date and Time. This meter has all display parameters. Let me elaborate it from the technical point of view.</p> <p>As you can see, it is a three-phase, class 1 meter. It is a 20/80 rating meter. The technical parameters for prepaid and post-paid meters are the same. For instance, the features like ESD and tamper logics in post-paid are the same as in prepaid meter.</p> <p>Facilitator's Note: Continue to play the video.</p>
		9.	<p>Tell:</p> <p>As you can see, there is a single prepaid meter. Sometimes, meters are fixed in such a place where they are inaccessible to a consumer.</p>

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			<p>A consumer may be staying on the 3rd floor. However, the meter will be installed on the ground floor. How can the consumer check the readings and consumption? To resolve such problems, a freedom unit or display unit is provided to the meter. This display unit is placed in a place, which is reachable to the consumer. You can that see a telephone wire is connected to the feeder unit.</p> <p>Let us look at the freedom unit closely.</p> <p>Facilitator's Note: Continue to play the video.</p>
		10.	<p>Tell: Here, you can see a numeric keypad with buttons from 0 to 9 and star on the meter. Similarly, you can see the numeric pad on the display unit.</p> <p>Facilitator's Note: Continue to play the video.</p>
		11.	<p>Tell: As we have installed a Secure meter, the freedom unit also is of the same company. Each button has different functions and features.</p> <p>Facilitator's Note: Continue to play the video.</p>
		12.	<p>Tell: To see amperage, press 8. It displays KV as 0.17. Press 8 again to know the load cost at which it is charged. The maximum demand is at 17.97.</p> <p>Facilitator's Note: Continue to play the video.</p>
		13.	<p>Tell: A consumer can monitor his daily activities, operations and requirements on electricity consumption according to his needs. He can check whether the meter is fast or slow, or if it is charging more or preparing incorrect bills. A prepaid meter helps the consumer to check all these factors on a daily basis.</p>
			<p>In this video presentation, we have seen the features and functions of a prepaid meter.</p>
Key Learning Outcomes			
		14.	<p>Tell: Let us quickly recollect the key points of this session.</p> <ul style="list-style-type: none"> • A prepaid meter is installed at the consumer's place • The bill for a post-paid meter is prepared based on the reading of consumed current • A consumer can check the balance of current consumption with the help of a prepaid meter • Money is received in advance before consumption in a prepaid meter • The process of revenue cycle will be streamlined • A consumer can monitor his daily activities, operations and requirements on electricity consumption according to his needs

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