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ANALYTICAL EXPLANATION OF DISTRIBUTION METHODS IN MAHAVITARAN LTD. COMPANY

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ABSTRACT

Occupational and professional financial development are essential factors for country's development to achieve primary goal. Energy sources are a major asset for the management of these energy sources in Maharashtra. A board named Maharashtra state energy committee was established the MSEB in 2004. The company represents aim-oriented approach, work procedure for customer benefit and theft of electrical energy.

Electricity plays an important role for economic and holistic development of human beings. Electricity being use for various fields such as agricultural, industries and household etc. MSEB is the main organization which supplies power.

KEY WORDS: Maharashtra, MSEB, electricity, customer, bill

INTRODUCTION

The Maharashtra Electrical Committee was established in Maharashtra in 1960 and on 6th June 2004 the generational transmission and distributional department of Eastern Maharashtra State Electrical Committee was unified for transmission.

Maharashtra Government has distributed the it into three independent companies.

1. Generation oriented company
2. Transmission oriented company
3. Distribution oriented company

POLICIES OF MAHAVITARAN LTD. COMPANY

- As a business company,ready to accept all challenges in providing affordable electricity

supply. Thus helping Maharashtra State farmers, business sector etc.

- Bound to sincerity, transparency in work for satisfaction of customers.
- For the betterment of customers, advance technology will be used and keep it updating as and when required.
- Strive hard for proper distribution of electricity.
- Proper action will be taken against stealing of electricity.
- Efforts will be taken so that electricity is used efficiently.
- Try to improve the standard of living of customers.

OBJECTIVES

- 1) To analysis the work procedure of MSEB.
- 2) To study the units of MSEB.
- 3) To Justification for electrical theft and load regulated resolutions.

10 POINT PROGRAM OF MAHAVITARAN LTD. COMPANY

Considering the sector of customers, the 10 point program has been organized as follows-

- 1) Improving the authority of electricity supply.
- 2) Improvement in financial structure of MSCB ltd.
- 3) Maintaining proper customer complain and feedback structure.
- 4) Maintain distribution losses.
- 5) Improving efficiency of money collection process
- 6) Developing a profit-loss council centre.
- 7) Improving the working efficiency with the aid of advance technology.
- 8) Improving the services for farmers.
- 9) Working standard importance of employees.
- 10) Proper administration for load shedding reduction.

Every point in 10 point program is very important. As the efficiency of electricity distribution is very important and also the technology used in it.

DISTRIBUTION OF 10 POINT PROGRAM

- 1) **Importing the authority of electricity supply.**
 - Ensuring the proper maintenance of machines
 - Updating technology and machines
- 2) **Extending the electricity supply region.**
 - Classification of customers and enhancement of demands as per sub divisions
 - Plan about increase in the payment and empowerment.
 - Make the financial and planning.
- 3) **Improvement in customer complaint**
 - ‘Ekael’ window service will be provided to customer
 - The standards given by MSEB are known to customers.
 - According to need of customers
 - Household, commercial and industrial attachment will be given to them
- 4) **The effects of electricity will be lessened.**
 - All customers will be given meters and they will have to keep a record and accordingly they will get the bill.
 - All generators will have meters and the bad effects of generator will be lessened.
 - To control electricity theft and if necessary take necessary measures
 - High voltage and low voltage lines will be improved and using HVDC the effects of generator and voltage lines will be reduced.

5) The process of taking money will be improved.

- Legally all the outstanding amount will be taken.
- The collect the outstanding amount from the customers.
- The collect all outstanding amounts cut the power supply at regular intervals.
- According to meter readings, the payment plan will be given to the customers.
- To increase the outstanding payment the methods like spot billing will be initiated.

6) Party offices – Profit l will be created.

- To buy the electricity required for the party and from the friends gain runs the party.

7) Update technology, computer mechanism, efficiency, activity, can be supplied to customers.

- Automatic meter readings will be taken.
- Call centers will be started in all cities.
- Bills can be paid via internet and also through ATMS.
- According to the Geography build a map of the system.

8) To increase the privileges of the agricultural customers.

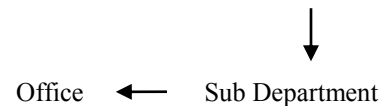
- Eligible customers will be given attachments. Pune, Nagpur, Akola, Bhandup and Amravati are the witnessed the starting of call centers. The phone number for these centers is 18002333435.

NO.OF CUSTOMERS

Excluding Mumbai Upnagar, 2 crore 20 lack 66 thousand 373 customers are using this facility. Domestic users are 1 crore 62 lack 61 thousand 420, commercial users are one lack 69 thousand 43, agricultural users are 36 lack 67 thousand 883 and industrial users are 4 lack 38 thousand 366.

The construction of MECB as per follows:

Main centre – →sub centre → Main Department



In Amravati, Aurangabad, Bhandup, Kalyan, Kolhapur, Latur, Nagar, Nanded, Nashik, Pune are having 14 sub centres. In this sub centre 42 Local centers which has 133 Offices with 621 more helpful sub-offices.

At present, in MECB, there are 71312 employees are working there which are helping the costumers.

THEFT OF ELECTRICITY

Illegally taking supply of electricity is the theft. Agricultural unit has more problems and hence, the theft is more in this sector.

Types of electricity theft:

- Using strong electromagnet on meter
- Using remote control to control the meter.
- Reducing the current capacity of meters.
- Changing meter gears.
- Changing the reading of meter.
- Tapping near to the meter.
- International memory changing of circuit.
- Changing electric meter readings.

PROVISIONS TO STOP ELECTRICITY THEFT

Electricity theft is one of the main problems and to curb it according to union electricity law of 2003 section 151A has been aborted and electricity theft has been declared as offence and can be penalized.

In Maharashtra, to curb electricity theft under Mahavitaran with the help of police a special has been setup. It includes 5-6 consisting two senior officers, two local linemen and 1 or 2 security guards with the help of them electricity meters are checked frequently.

ANALYSIS OF LOAD SHEDDING

Demand for electricity is more than generation therefore to manage generation and supply, there is load shedding. In this case electricity supply in some areas is disconnected.

REASONS FOR LOAD SHEDDING

- 1) Natural Problem. (Flood, Storm, Earthquake etc)
- 2) Demand is more than supply.
- 3) Non-maintenance of technical system
- 4) Serving of electricity generator machinery.-
- 5) If there is shortage of electricity producing element's (coal, water etc.)
- 6) Electricity theft.
- 7) Due to electricity leak.
- 8) Less storage of electricity.
- 9) Workers strike.
- 10) Due to uncontrolled use of electricity.

TYPES OF LOAD-SHEDDING

There are two types of load shedding

- 1) Declared Load-Shedding
When here is some defect in the existing electricity supply system and to fix it requires more time or there is work to join new electricity connection of such time electricity supply is out off. Then the mahavitaran company declarer's the load-shedding date and time through news-paper.
- 2) Un-declared load shedding
Electricity supply is cut-off without any prior intimation when there are natural disturbances like heavy rains, storms etc. In such cases there is a risk of tree falling on supply lines, similarly there can be short-circuit due to lighting fall,

1. Work in progress
2. In work there should be proper security plan
3. The workers who are honest and hardworking and should be appreciated.
4. The workers in consumer service and should be trained.
5. To stop load shedding, there should proper management of difference in new and old rates.
6. There should be a person who keeps on eye on the electric machines in villages.
7. There should be proper plan for saving of electricity in household, public and farming uses.
8. By using capacitors, proper management of electricity can be maintained

PROGRESS REPORT OF MSEB LIMITED

1. Losses in distribution of electricity should be reduced.
2. There should be proper management of transformers for varying load.
3. Consumers should get electricity according to their loads.
4. No of generators and their efficiency should be increased.
5. Every municipal corporation should have a customer care centre.
6. Service should be given according to MECB norms.
7. To make list of the customers according to household, commercial & industrial bases.
8. The waiting for the water pump has to be reducing from 5 years to 1 month.
9. There should be response team set up for arise of electricity.
10. Thus should be proper data allocation for use of electricity by industries.
11. There should be increase in number of peoples who keep a watch of electricity theft.

Following projects are taken by MSED for load management.

- 1) Basic Plan Program
- 2) R.A.P.D.R.P
- 3) Rajiv Gandhi Rural Electrification scheme
- 4) Village Independent Scheme
- 5) Brand Program
- 6) Akshay Light Scheme

CONCLUSION

Mahavitaran Ltd. Company came out from the partition of Maharashtra State Electricity department and has established as a modern and independent company. Company has its own website. Considering the customer to the centre they have created 10 act programs and also has developed Mahavitaran development plan. To avoid stealing of electricity,

Mahavitaran is doing its best but it is needed to spread information about this act among people to create awareness among people, because robbery of electricity is type of damage to nation. It's effect is seen in agriculture, industries and daily use also. Beside this usually electricity shortage, light dimming, unable to get complete voltage, stoppage of electricity due to electricity robbery, unable to provide electricity to needed customer. These are the disadvantages of it. By saving the electricity it not possible to completely avoid the load shedding but it can be minimized truly. So saving the electricity is need of time and considering this of everyone participated then today's load shedding may finish in future and electricity will be available to all. Electricity is nation's treasure. So it should be used properly and significantly. Then it will be really economically beneficial.

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