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Reports


Questionnaire
PERFORMANCE OF ANDHRA PRADESH STATE ELECTRICITY BOARD
A STUDY WITH SPECIAL REFERENCE TO TIRUPATI CIRCLE

QUESTIONNAIRE ADDRESSED TO THE ELECTRICITY CONSUMERS.

Name of the : C.SUBRAMANYAM RAJU
Researcher

Research : Prof. D. HIMACHALAM
Supervisor

SECTION-I

1.1 Name of the Consumer : 
1.2 Age of the Consumer : 
1.3 Address Village : 
Mandal : 
1.4 Status of the Consumer : Agrl/Employee/Industrialist/ Business
1.5 Purpose of Power consumption : Agrl/Industry/Business/Domestic/ Any other specify.
1.6 Land holdings of the Agriculturist : 
(A) Cultivated land in acres : DRY: WET:
(B) Number of crops in a year and Particulars of crops. :
(C) Annual Power Consumption Winter : 
Summer :
1.7 Assets of the industry : 
(A) Specify the type of Manufacturing Unit : Small Scale/Ancilliary/Other than ancilliary.
(B) Nature of Asset : 
(C) Nature of work : 
(D) Installed Capacity : 
(E) Capacity utilization : 
(F) Annual Turnover :
(G) Power consumption at different levels of capacity utilization.

<table>
<thead>
<tr>
<th>Capacity Utilisation</th>
<th>Power consumption (in units)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Up to 25%</td>
<td></td>
</tr>
<tr>
<td>25% to 50%</td>
<td></td>
</tr>
<tr>
<td>50% to 75%</td>
<td></td>
</tr>
<tr>
<td>75% to 100%</td>
<td></td>
</tr>
</tbody>
</table>

1.8 Type of ownership of business

- Sole / Partnership / Family Ownership / Private / Co-operative

A. Nature of business

- Textiles / General Stores / Fancy Stores / Book stalls

B. Types of Business

- Whole sale / Retail

C. Assets of the business

D. Annual turnover of the business

E. Monthly power consumption

1.9. Domestic

A. Value of the house

B. Number of lights

C. Number of Electrical appliances

D. Power consumption per month.
   (in units)

SECTION-II

2.A.1. What is your cropping Pattern?

- Dry
- Wet
- Both

- Land
- Land
- Cropping

2.A.2. What is your usual type of Cropping?

- Groundnut
- Paddy
- Sugar cane

- Mulberry
- Chilli
- Vegetables, any other, specify

2.A.3 How much of land you are cultivating?

- Below 1 acre
- 2 to 5 acres
- 5 to 10 acres
- 10 and above
2.A.4. What are the water sources for your cultivation?

Well

Canal

Tank

Any other, specify.

2.A.5. If your are utilizing well water, give details about the number of Agricultural Motors with H.P. Capacity.

2.A 6. Are you paying power charges basing on slab rate fixed by the Government. YES / NO.

If yes, what is your slab rate?

If, no, what are the reason?

2.A.7. Do you have any other power consuming Agricultural? Implements? YES / NO.

If yes, what are they?

How much power they require?

Whether you have authorized power connection for them. YES / NO.

If yes on what basis you are paying the power charges?

On an average how much are you paying?

If no, how are you running those implements?

2.A.8. Are you consuming power through unauthorized connections: YES / NO.

If yes, do you feel it illegal? YES / NO.

If yes, why are you doing so?

If no, what is your argument in favour of your unauthorized utilization of power?

2.A.9. Are you aware that unauthorized power consumption is illegal? YES / NO.

If yes, knowingly why you are consuming the power out of the way?

Do you feel, this may be due to lack of awareness about the rules and regulations Of APSEB.

2.A.10. Have you ever informed about the said practices to the staff of the Electricity Department? YES / NO.

If yes, how you are managing them without recording and checking your Unauthorized connections?

On bribing / on humanitarian grounds / threat / any other, specify.
2. A. 12. Do you think Electricity departmental staff are prompt in looking after the Welfare of the agriculturists? YES / NO.
If no, what is your opinion?

2. A. 13. Do you have regular power supply? YES / NO
If yes, are you utilizing powers to the maximum extent?
Do you feel maximum yield is possible by utilizing power? YES / NO.

If it is so, how much annual income you are getting?
If no, how much benefit you are losing?
What is the reason for non-utilization of power to the fullest extent?
   Lack of proper water sources / Lack of appliances / Lack of motors / Labour problems / Lack of sufficient finance / any other specify.
If not, for how many hours you are getting power?
In your opinion, how many hours are you need power for your cultivation?
How much loss you are getting out of power shortage?
   Lack of proper transformers / Lack of good lines / supply leakage.

2. A. 14. What is your suggestion to improve the Present system of power supply?

2. B. 2.1. Nature of Industry: Manufacturing / Service

2. B. 2.2. What is the nature of product you are Manufacturing / Service.

<table>
<thead>
<tr>
<th>Manufacturing</th>
<th>Service</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td></td>
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<tr>
<td>2</td>
<td></td>
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<tr>
<td>3</td>
<td></td>
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<tr>
<td>4</td>
<td></td>
</tr>
</tbody>
</table>

2. B. 3. What is the installed capacity of your unit in units?

2. B. 4. Are you utilizing the installed capacity of your unit to the fullest extent? YES / NO.

If yes, what made you to utilize at the optimum level?
Sufficient power supply / Demand for the product / Availability of the skilled Man power / availability of raw material / availability of required working Capital / easy to manufacture / any other, specify.

If no, what are the causes for non-utilisation of installed capacity to the Fullest extent?

Lack of prompt power supply / lack of demand for the product / Non-availability of man power / lack of raw material / lack of working capital funds / any Other, specify.

2.0.5 Do you think that the power supply is not sufficient for your unit?  YES / NO

If yes, how many hours of power are you getting per day?

2.0.6. How many hours of power do you need per day?

2.0.7 what is the loss of production due to shortage of power supply?

2.0.8. What is the demand you are losing in the market due to non-supply of the product for want of power?

How do you measure loss of production and income due to power shortage?

How much are you losing in terms of man-hours and revenue?

2.0.9. Do you think the power shortage is menace for your unit?  YES / NO.

If so, what is your opinion on the existing power supply system?

2.0.10. What are your suggestions to improve the power supply system?

2.0.11. Are you using power through authorized power connection?  YES / NO

If no, why are you using through unauthorized connections.

Do not you feel that it is illegal?  YES / NO.

If yes, why are you doing so?

If no, what is your argument in favour of your unauthorized utilization of Power?

2.0.12. Do you not think that the unauthorized utilization of power is illegal?  YES/ NO

If yes, knowingly why are you consuming the power out of the way?

If no, what is the reason?

2.0.13. Do you feel this may be due to lack of awareness about the rules and Regulations of the APSEB?
2.b.14. Have you ever informed about this to the staff of the electricity department?  

YES / NO

If yes, how you are managing them without recording and checking your Unauthorized connection?

by bribing / on humanitarian grounds / on threat / any other means.

2.B.15. Do you think the electricity personnel are prompt in looking after the welfare of small scale units?  

YES / NO.

If no, what is your opinion?

2.C.1. Are you getting powers regularly?  

YES / NO

If no, for how many hours are you getting? Is it sufficient for your requirement?  

YES / NO.

If no, what is the alternative supply of power for you?

2.C.2. Are you facing any problem of sales due to short supply of power?  

YES / NO

If yes, how you are managing to maintain your usual sales?

2.C.3. Is your establishment fully air-conditioned?  

YES / NO

If yes, how do you meet the power requirement in shortage of power?

2.C.4. Are you using generators in times of short supply of power?  

YES / NO

If it is so, what is the power cost through generators?

Do you feel that the cost of Generator power is much higher than the electricity Cost?  

YES / NO

If so, how much additional cost do you have to bear?

What is its impact on your overall profitability?

2.C.5 Do you have any arrangement for illumination?  

YES / NO

If yes, how much additional power does it consume?

Do you think illumination is very essential for your business?  YES/NO

If yes, where from do you meet the additional power?

In case of power shortage, is it feasible to have all decorative lightings?

2.C.6. Do you think for minimizing the power consumption?

2.D.1. How many household appliances do you have?

2.D.2. How many light points do you have?

2.D.3. What is the usual power consumption pattern for your domestic purpose?

2.D.4. Do you face any power shortage? YES / NO.
If yes, for how many hours do you get power?

2.D.5. Are you facing any problems with power shortage? YES / NO
If yes, please spell out the problems?

2.D.6. Do you have frequent power fluctuations? YES / NO
If yes, have you faced the problem of your appliances being damaged? YES/ NO
If yes, what is the worth of the damaged electrical appliances?

2.D.7. Has power shortage caused any inconvenience to the studies of your children?

2.D.8. What is your opinion on the power situation?

SECTION –III

3.A.1. Are you facing power shortages? YES / NO
If yes, spell out the extent of power shortage?
High / Moderate / Low
If the power shortage is very high, what is its impact on your agricultural Yielding?
Low yielding / Moderate / No effect
If there is no effect of power on the yield wherefrom do you meet the water requirements for your crop Canal / Tank / Reservoir.

3.A.2. In which season do you face the maximum extent of power shortage.
Winter / Summer
If in summer, for how many months do you face this problem?
If you are facing acute power shortage in summer, how much loss do you incur on various crops?

(Rupees in figures)

<table>
<thead>
<tr>
<th>NAME OF THE CROPS</th>
<th>WINTER</th>
<th>SUMMER</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Inv.</td>
<td>Yielding</td>
</tr>
<tr>
<td></td>
<td>Per</td>
<td>per acre</td>
</tr>
<tr>
<td></td>
<td>Acre</td>
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</tbody>
</table>

PADDY

GROUNDNUT

SUGARCANE

OTHERS

3.A.3. During the period of power shortage, is the timing of supply of power convenient for you?  YES / NO

If no, when is power being supplied?  DAY / NIGHT

If power supplied is during night times, how you are utilizing the power for watering your fields?

3.A.4. Are you facing any problem during the night times?  YES / NO

If yes, spell out the problems you are facing?

1. Difficult to make use of the power during night times.
2. Non-availability of labour.
3. Any other, specify.
3 B.1. Do you have any power shortage? YES / NO
If yes, spell out the extent of power shortage?
High / Moderate / Low

If power shortage is very high, what is its impact on your industrial production?
Low production / Moderate Production / No effect

3.B.2 In which season do you face the maximum extent of power shortage?
Winter / Summer

In summer, how many months do you face this problem?

Due to power shortage in summer, how much production loss do you have?

3.B.3. Do you feel that during the period of power shortage, your manpower becomes idle? YES / NO

If yes, how much do you lose on your manpower?

If no, what are the alternative source of power for you?

3.B.4. If power is supplied during night times, how you are utilizing the power for your usual production?

3.B.5. Are you facing any problem during night times? YES / NO
If yes, spell out the problems you face?

1.
2.
3.
3.C.1. Do you have any power shortage? YES / NO
   If yes, what is the extent of power shortage?
   High / Moderate / Low

3.C.2. If the power shortage is high, does it have any adverse effect on your business? YES / NO
   If yes, give the details of loss due to power shortage.

3.C.3. In which season do you face the maximum of power shortage? Winter / Summer
   During summer for how many hours do you get the power? 0 to 6 Hours / 6 to 12 Hours / 12 to 18 Hours / 18 to 24 Hours

3.C.4. Owing to power shortage in summer, do you find any decrease in the sales? YES/NO
   If yes, what alternative arrangements are you making?
   If no, to what extent do you suffer loss?

3.C.5. During the period of power shortage, are the hours of power supply convenient to you? YES / NO

3.D.1. Do you suffer from power shortage? YES / NO
   If yes, what type of problem do you face?

3.D.2. Do you feel that the power shortage is: High / Moderate / Low
3 D.3. In which season, do you face the maximum of power shortage?
YES / NO.
Even in summer, for how many hours do you get power?

3.D.4. Do you have any power shortage during night times? YES / NO

3.D.5. Do you think that children's education is suffering due to power shortage?
YES/NO

3.D.6. Do you face the problem of food items getting spoiled in the fridge during the time of power shortage? YES / NO
If yes, what is the extent of your loss?

SECTION IV

4.1. For how many hours do you get power?
       Up to 6 hours          6 to 12 hours
       12 to 18 hours         18 to 24 hours

4.2. Do you think that APSEB is supplying power as per the timings announced by the Govt.? YES / NO.
If no, how many hours in shortage of power supply?
(Difference between actual – announced hours)

4.3. During the period of power shortage, is the timing of power supply convenient to you? YES / NO
If no, when is power being supplied? DAY / NIGHT

4.4. Do you face the problem of voltage fluctuations? YES / NO
If yes, do you face the problem of damage to your equipment? YES / NO
How much loss do you suffer due to power fluctuations?
4.5. Do you think that the transformers are not working properly? YES / NO

1. If yes, what are the causes:-
   (a) Old transformers,
   (b) Improper maintenance,
   (c) Outdated machine,
   (d) Heavy connecting load,
   (e) Any other, specify.

4.6. Have you ever reported to the officials of the APSEB about your problem? YES / NO

If yes, what action have they taken? Are you satisfied with their response? YES / NO

If no, have you questioned them about their negligence.

What is your opinion about the employees of the APSEB relating to their service?

4.7 What suggestions do you offer to improve the present supply of power system?

SECTION - V

5.1 An overall analysis explains your opinion about the functioning of the APSEB.

5.2 Do you think that the APSEB has been functioning on effective and sound lines.
   YES / NO

5.3 If no, spell out your reasons in support of your view.
   Do you suggest some measures to improve the performance of the APSEB regarding the welfare of the public.

5.4 Do you think that the APSEB would improve its performance if the Government extended further financial and technical support? YES / NO.

If yes, on what basis.

5.5 Do you prefer the involvement of the private sector in the operations of the APSEB? YES / NO.

If it is yes, on what lines?
5.6. What is your opinion about the Government's policy of privatization of electricity production, and distribution?

5.7. What is your opinion about the proposed policy of the government to privatize the power sector?

5.8. Do you think that the performance of the power sector would improve in the hands of private management?

5.9. Do you expect any improvement in terms of better supply and distribution from private enterprises?

5.10. Do you think that the cost per unit of power would decrease, if it were privatized?

5.11. Do you suggest some measures to improve the performance of APSEB?

A = Agriculture
B = Industry
C = Business
D = Domestic