

**BSNL**

**POWER PLANT**

**MANAGEMENT**

**SYSTEM USING**

**VOICE ALONG WITH**

**TELEPHONE LINE**

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**Thank you for purchasing the *“BSNL POWER PLANT MANAGEMENT SYSTEM.”*  
Please fill out the enclosed warranty registration card.**

## **Overview**

The *“BSNL POWER PLANT MANAGEMENT SYSTEM”*, is an innovative device to monitor the mobile phone towers and BSNL Power Plants. This is mainly used to save the diesel cost.

With this *‘BSNL POWER PLANT MANAGEMENT SYSTEM’* you can read the voltage levels of the batteries and at the same time you can send the voice call to the line man, if there is a power failure and if it has reached the lower end. Then the line man can come and switch on the generator. *‘BSNL POWER PLANT MANAGEMENT SYSTEM’* can operate on 40 to 60 volts DC and it is rated for 60V at 60 volts DC, 50-Hz, and operates on a wide range of input voltages (40-60V DC). If the input voltage goes out of range (less than 40V or more than 60V), the utility is isolated.

The *‘BSNL POWER PLANT MANAGEMENT SYSTEM’* can store 5 phone numbers either the landline line number or the mobile number or the STD number. The *‘BSNL POWER PLANT MANAGEMENT SYSTEM’* will give a call to the number when a low voltage is detected and once the person answers the call he has to dial any number from his cell phone or landline number. Once he dials it will start the current voltage announcement in English.

1. The voltage is 48 volts DC, the announcement will be as,  
“The voltage is 48 volts”,  
And it will disconnect.
2. The voltage is 47 volts DC, the announcement will  
“The voltage is 47 volts”,  
And it will disconnect.
3. The voltage is 46 volts DC, the announcement will  
“The voltage is 46 volts”  
And it will disconnect.
4. The voltage is 45 volts DC, the announcement will  
“The voltage is 45 volts”,  
And will disconnect.
5. The voltage is 44 volts DC, the announcement will  
“The voltage is 44 volts”,  
And will disconnect.

If the person will not answer the call, the '*BSNL POWER PLANT MANAGEMENT SYSTEM*' will again and again call the person till he answers. (It will hunt like a FOX).

At any time if the person calls the same number then it will announce as “the power plant is charging”.

# Checklist:

- Main device
- 2 fuse of 2 amps

## SECTION - 1

### *UNPACKING/INSPECTION OF THE DEVICE*

Warning! The '*BSNL POWER PLANT MANAGEMENT SYSTEM*' weighs 1 kg, Please handle with care.

Inspect the shipping containers is extensive, notify the carrier and return the unit to the factory. If there are no apparent signs of damage, carefully open the container, and remove the packing materials (do not discard). Inspect for dents, scratches, webpage of the top cover, or other signs of damage. If unit is damaged, please notify the factory and obtain a Return Material Authorization number and return the unit as/if instructed. If there are no obvious signs of damage, repackage the unit for shipment to the customer using the materials which are already removed from the shipping container. Through Shipping or with other mode of transport deliver the unit to the customer.

## SECTION - 2

### *INSTALL THE DEVICE*

Caution: Installation of the '*BSNL POWER PLANT MANAGEMENT SYSTEM*' must be performed by a licensed and qualified electrician. Failure to comply may result in equipment damage, and may also void the warranty. Connecting the '*BSNL POWER PLANT MANAGEMENT SYSTEM*'. To 220 volts may result in equipment damage.

## **SECTION - 3**

### ***CONTROLLERS AND INDICATORS***

Please review this section thoroughly before applying power to the '*BSNL POWER PLANT MANAGEMENT SYSTEM*'.

The device has 2 power terminal blocks on the top of the '*BSNL POWER PLANT MANAGEMENT SYSTEM*'. The black terminal indicates negative supply and the red terminal indicates the positive supply.

There is also a fuse holder on the same panel. The rating of the fuse is 2 amps fast blow fuse.

**Press A for entering the menu mode**

**1 is for entering the password, Default password is 8051**

**Switch B and C is for up and down, scrolling**

**Switch d is for enter.**

**\* is for exit, to enter the number use the key board.**

**The device can hold 5 phone numbers. The above same can also do with STD number.**

On the front side the device has 4 \*4 matrix key board. On the top is the LCD (liquid crystal display).

This shows the status of the '*BSNL POWER PLANT MANAGEMENT SYSTEM*'. If a low voltage is detected it will show the sign and also make the call for the respective numbers. If the person does not answer the call, it will redial till he/she answers the call.

## **SECTION - 4**

### ***TROUBLESHOOTING***

Use the information provided in Tables 1,2 and 3 to diagnose the problems. If the problem cannot be resolved using the information provided in this manual, contact the Technical support.

#### ***'BSNL POWER PLANT MANAGEMENT SYSTEM'***

<b>Problem</b>	<b>Cause</b>	<b>Corrective Action</b>
<b>Device fails to operate when power is down.</b>	<b>Defective telephone line.</b>	<b>Check the dial tone.</b>
	<b>Power is off at the device.</b>	<b>Check the power terminal.</b>
	<b>Phone number is wrong.</b>	<b>Get into the menu and reenter the phone numbers.</b>
	<b>Phone number is not entered properly.</b>	