

14  
YEARS  
★★★★  
OF EXCELLENCE



# SECURING YOUR ASSETS

CHEMICAL EARTHING & LIGHTNING PROTECTION SOLUTIONS  
WITH THE EDGE OF COST EFFECTIVENESS



# MOBILE EARTHING

## RESPL-MOBI65



### Remedies Mobile Earthing Electrode for Mobile application: (RESPL-MOBI65)

With advancement of Technology, the electronic systems have become highly sophisticated and very sensitive to surges and fault currents. This necessitates a very high efficiency low resistance earthing system. It is in response to this, we have developed an Mobile Earthing System (**RESPL-MOBI65**) both in SS with pipe in pipe technology.

Advanced Chemical Sealed Electrode (**RESPL-MOBI65** for Mobile application) is specially designed for short duration mobile application, reusable type, easy installation and removable.

**RESPL-MOBI65** is a multipurpose grounding system which provide quick time dissipation of lightning current, electrical transients, static discharges, electro-magnetic interference and other electrical hazards.

### Application for Mobile Facilities

The need arose, specially for armed forces for their mobile communication and radar units, where system desired should have quick deployment and redeployment capability. Some of the many applications where it is commonly used include cellular, mobile radio and television broadcasting sites, power generators, mobile communication vehicles and mobile medical facilities.

**RESPL-MOBI65** effectively protects sensitive equipment by safely conducting harmful VHF, harmonics, surges, spikes, unbalances and short circuit currents into ground mass. It can be installed vertically or horizontally as per site conditions and convenience. The **RESPL-MOBI65** can also be used as earth for Lightning protection

**RESPL-MOBI65** Electrode has been designed for use in any type of soil conditions. It is filled with highly conductive salts, packed inside with low resistivity soil enhancement material compound (**REMEDIES-ERIC**).



## Mobile Earthing Electrode (RESPL-MOBI65)



### Physical Parameters :

- Model : RESPL-MOBI65
- Make: Remedies.
- Body Material: SS 304L.
- Central Conduction: SPL Corrosion.
- Size: 65 mm dia, 1.2 mtr. Long.
- Weight : 6KG Max.
- Compatible Cable to Connector (Lugs) Along With Required Nut Bolt.

### Technical Parameters:

- Resistance in vertical setting : 32.5% of soil resistivity at the location.
- Resistance in horizontal setting : 21.5%
- Unbalanced current withstand capacity : 6.28 Amperes
- Short duration term Duty : 596.60 Amperes

### Environmental Parameters:

- Altitude : 4500 m.
- Storage Temperature : -40°C to +70°C.
- Operating Temperature : -30°C to + 55°C.

## Installation Procedure

### Vertical Installation Process :

Drill a 150mm dia x 1.5m deep bore in the ground & place **RESPL-MOBI65** such that the handle is above the ground. Back fill the bore with loose earth slurry. Depending on soil resistivity and desired Pit resistance (PR), connect to another **RESPL-MOBI65** at least 1.2m away , if lower PR is required.

### Horizontal Installation Process :

Make a 600mm wide x900mm deep x1500mm long trench in the ground. Fill the first 300mm with soil slurry. Place the **RESPL-MOBI65** horizontally in the trench. Backfill the trench with loose earth slurry. Depending on soil resistivity and desired Pit resistance (PR), connect with another **RESPL-MOBI65** parallel at least 1.2 m away, if lower PR is required.

## Remedies Earthing Systems Pvt. Ltd.

2nd Floor, Al Fazal Enclave, Opposite Good Luck Apartment, Near Rahman Tower, Khurram Nagar,  
Ring Road, Lucknow - 226022 (INDIA) | Contact: +91 522 2751600  
Website : [www.remediessystems.com](http://www.remediessystems.com) | E-mail : [info@remediessystems.com](mailto:info@remediessystems.com)

## De-Installation Procedure

After the operations are over and Earthing is not required, pull the **RESPL-MOBI65** out of the ground in case of vertical setting and after digging top earth layer in case of horizontal setting to pull it out of the trench. Clean softly and repack for future use.

## Special Features

Upto 75 times or 2 years.

**Caution-** The **RESPL-MOBI65** has to be wiped by wet cloth after every use and stored back. It should not be washed in flowing water. Every time it is put inside the ground (for what so ever small time) is considered as a usage count. Installation Procedure:



MOBILE EARTHING ELECTRODE  
MODEL : RESPL-MOBI65  
MAKE: REMEDIES

## Remedies Earthing Systems Pvt. Ltd.

2nd Floor, Al Fazal Enclave, Opposite Good Luck Apartment, Near Rahman Tower, Khurram Nagar,  
Ring Road, Lucknow - 226022 (INDIA) | Contact: +91 522 2751600  
Website : [www.remediessystems.com](http://www.remediessystems.com) | E-mail : [info@remediessystems.com](mailto:info@remediessystems.com)