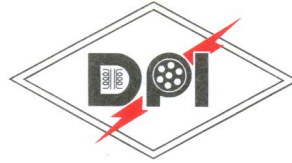




ISO 9001 : 2008  
International Standards  
Certifications  
Lic. No. QAC/R91/0107



**DIAMOND POWER INFRASTRUCTURE LTD.**  
— Formerly known as Diamond Cables Ltd. —

By Email

Date: 23.11.2012  
Place: Vadodara

To,  
Deputy General Manager,  
Dept. of Corporate Services,  
Bombay Stock Exchange Limited,  
P J Towers, Dalal Street,  
Mumbai-400 021

To,  
Deputy General Manager,  
Dept. of Corporate Services,  
National Stock Exchange of India Limited,  
Exchange plaza, Bandra, Kurla Complex,  
Bandra (East) Mumbai-400 051

**Scrip Code: DIAPOWER & 522163**

**Sub: Inauguration of Ultra High Voltage Laboratory**

Dear Sir/Madam,

We are pleased to inform you that we have established Ultra High Voltage Cable Testing Laboratory at our Factory at Vill: Vadadala, Tah: Savli, Dist: Vadodara.

This testing facility is first of its kind in India having capabilities to test Cables up to 500 KV for partial discharge, impulse test amongst other type of tests as per IEC standards.

**The UHV Laboratory contains the following equipment:**

- 700 / 28000 kVA series resonance (modular type) High voltage and Partial discharge test system complete with Water termination testing attachment.
- Digital Partial discharge test detector from 1 pC to 1000 pC.
- Impulse generator test set 2400 kV/ 240 kJ.

DT Plant : II, Village Vadadala, Tal. Savli, Dist. Vadodara, India Ph. : 02667-251516, 251354 Fax : 02667-251202  
Corporate Office : P. O. Box No. 3008, Essen House, 5/12, B.I.D.C., Gorwa, Vadodara-390016, India.  
Ph. : 02665-2284328, 2283969, Fax : 0265-2280528, Gram : DICABS  
EMAIL : marketing@dicabs.com WEBSITE: www.dicabs.com

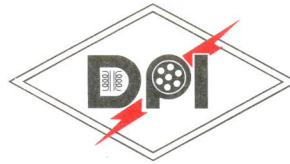
• EPC Contacts • Transmission & Distribution Conductors • Power Cables • Power & Distribution Transformers • Wires





QUALITY  
ASSURED  
COMPANY

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- 600 kV / 600 kVA series resonance (modular type) High voltage test system
- Digital type Tan Delta and capacitance measurement equipment with 300 kV 50 pF standard capacitor
- Heating cycle test system 12000 Amps capacity

### The UHV Laboratory has certain unique features like:

- The Shielded room (Farade Cage):
  - 1 The size of the electromagnetically shielded room (30m x 19m x 16m) can accommodate long lengths of higher size of EHV cables in big reels with 40 MT capacity.
  - 2 The high voltage flash-over clearance is beyond minimum requirements for HV as well as Impulse test. This makes the testing safe under external disturbances.
  - 3 The shielding quality of the cage is excellent and very effective to detect back-ground noise level less than 1 pC. This is why the Partial discharge testing in the cage is reliable and repeatable.
- The series resonance test system:
  - 1 The capacity of the Ultra High Voltage modular type series Resonance test system is 28000 kVA at **700 kV**. This is the highest grade of voltage testing facility to test long lengths of Extra high voltage cables up to 500 kV rating.
  - 2 The tuning range of this reactor is very wide which results in getting the best possible Q factor during tuning (Resonance) of long lengths as well short lengths of cables. This enables DIAMOND to test a wide range of testing need of its customers.
  - 3 This wide range of testing facility finally helps the customer to :
    - a) Minimise number of joints
    - b) Save installation and commissioning time and labour.Thus the total cost of energy transmission is reduced to a large extent.
- The Impulse test system:
  - 1 The high energy of the impulse generator (240 kJ at 2400 kV Peak) makes it possible to test not only the cable samples but other electrical equipment's like transformers and insulators.

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- 2 The impulse generator is not only suitable to test lightning impulse but also the switching impulse testing on 400 and 500 kV cables.

It will be an honor to the Company that this unique UHV Test Laboratory will be inaugurated by Honorable Shri S. K. Negi, Managing Director of Gujarat Energy Transmission Corporation Limited.

It is a great matter of pride for Diamond to host this technical fete which is executed and commissioned by our In House Engineers with the guidance and consultation of our Honorable Chairman Shri S N Bhatnagar. This laboratory will surely be an added advantage for Diamond in the market and this will fetch good business for the company in the future adding to the Company's growth, success and prosperity and ultimately enhance stakeholders value.

For Diamond Power Infrastructure Limited

Amit Bhatnagar  
Managing Director

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