



भारतीय प्रौद्योगिकी संस्थान दिल्ली  
Indian Institute of Technology Delhi



From

Dr.G.Bhuvanewari  
Department of EE  
IIT New Delhi 110016.

Dear Sir / Madam,

I would like to introduce myself as Bhuvanewari, a faculty member in the Department of Electrical Engineering, IIT, Delhi, working in the area of power quality.

In the Indian scenario, power quality issues are of increasing importance these days due to the enhanced use of sensitive equipment such as adjustable speed drives, medical electronic systems and switched mode power supplies. It is an important issue for electricity consumers at all levels of usage, particularly industries including service sector (especially IT/ITES and Health sector). With the extensive application of sensitive power electronic equipment and proliferation of non-linear loads in digital environment of our industrial and commercial/domestic applications, problems like power surges/sags, poor voltage and frequency regulation, harmonics, switching transients, electrical noise, EMI effect etc are frequently encountered. This leads to damage of capital-intensive appliances, raises safety concerns, cause loss of reliability and above all results in a huge economic loss.

Industry requires Standards and or Guidelines to observe and follow norms in handling effectively such issues of concern. In India, essentially IEEE standards are referred as guidelines in electricity sector and in manufacturing sector normally IEC standards are complied to meet global market demands. Bureau of Indian Standards (BIS) have been facilitating to bring in such standards to compliment global effort with Harmonisation of Standards. In view of this an effort namely, **ASIA POWER QUALITY INITIATIVE (APQI)**, has been undertaken by International Copper Promotion Council of India and other stakeholders interested in power quality. It is envisaged to get a survey questionnaire filled so that the status of power quality in Indian industries will be ascertained and necessary steps to put standards in place towards improving the power quality will be undertaken in future.

I request that the attached questionnaire may be filled and sent back to me so that we would be able to act on this and facilitate delivery of a quality power supply to your door-step.

Sincerely,

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