**VIBRATION AND NOISE LEVEL ANALYSIS IN POWER PLANT THROUGH CONDITION MONITORING**

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**Abstract:**

The measurement of vibration and noise level of various machine at any power plant station and refinery companies helps the management of the companies to observe the variation of vibration and noise level for each machine during the operation period. It helps for the indication for the health monitoring of the machine and gives a warning, before break-down occurs.  It was found that high level of vibration measurement was due to rotating unbalance and misalignment, causing high level of noise at certain points

**Keywords:**

[Vibrations](http://ieeexplore.ieee.org/search/searchresult.jsp?matchBoolean=true&queryText=%22Index%20Terms%22:.QT.Vibrations.QT.&newsearch=true), [Vibration measurement](http://ieeexplore.ieee.org/search/searchresult.jsp?matchBoolean=true&queryText=%22Index%20Terms%22:.QT.Vibration%20measurement.QT.&newsearch=true), [Noise measurement](http://ieeexplore.ieee.org/search/searchresult.jsp?matchBoolean=true&queryText=%22Index%20Terms%22:.QT.Noise%20measurement.QT.&newsearch=true),[Noise level](http://ieeexplore.ieee.org/search/searchresult.jsp?matchBoolean=true&queryText=%22Index%20Terms%22:.QT.Noise%20level.QT.&newsearch=true), [Companies](http://ieeexplore.ieee.org/search/searchresult.jsp?matchBoolean=true&queryText=%22Index%20Terms%22:.QT.Companies.QT.&newsearch=true), [Power generation](http://ieeexplore.ieee.org/search/searchresult.jsp?matchBoolean=true&queryText=%22Index%20Terms%22:.QT.Power%20generation.QT.&newsearch=true), [Meters](http://ieeexplore.ieee.org/search/searchresult.jsp?matchBoolean=true&queryText=%22Index%20Terms%22:.QT.Meters.QT.&newsearch=true)