

POWER QUALITY AUDIT PERFORMA

DETAILS OF PARAMETERS

Ser	Parameters	Elements	Acceptable Value	Present Value	Remarks
1.	Voltage	Nominal user Voltage	415V		
		User Voltage Tolerance			
		(a) Average of three line to line voltage (1)	$\pm 5\%$		
		(b) Any one line to line voltage including above and line voltage unbalance tolerance.	$\pm 7\%$		
		Voltage modulation	2%		
		Line voltage tolerance unbalance	2%		
		Voltage transient tolerance	$\pm 16\%$		
2.	Waveform	Voltage transient recovery time	2 second		
		Total Harmonic Distortion tolerance	5%		
		Total Harmonic Distortion transient tolerance	15%		
		Total Harmonic Distortion transient recovery time	0.2 second		
3.	Frequency	Individual Harmonic	3%		
		Nominal Frequency	50 Hz		
		Frequency tolerance	$\pm 3\%$		
		Frequency modulation	0.5%		
		Frequency transient tolerance	$\pm 4\%$		
		Frequency transient recovery time	2 Second		