



SAIF PANEL WORKING

Harmonics without Saif System ON at 850 KW

V tHD 12-13% ITHD = 40-44%
while all capacitor ON
P.F. = 0.93%

Effect ON

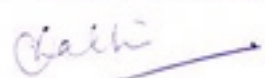
Harmonics with Saif System ON at 950KW

V tHD 4-4.5% ITHD = 10-12%
P.F. = 0.93 -0.94
All capacitor OFF

So due to Saif System

- 1) All Previous capacitor are made off.
- 2) Harmonics reduced to desireable value.
- 3) Energy save 3% on Transformer
3% on 950 KW, 28.5KW approx.
So approx. saving per day 684
(330 days) i.e. per year 225720
Saving Rs. 246240 x 3.30 = 7,44,876/-Approx.
- 4) Power quality improve due to Harmonic reduction so wave shape improvements of current & voltages which increases Electronics reliability.

for SATIA PAPER MILLS LTD.


(GOPESH MATHUR)
VICE PRESIDENT (WORKS)

11th JAN. '2002