

From:

M/s Garware Wall Ropes Ltd.
Plot No. 11, Block D-1,
M.I.D.C. Chinchawad,
PUNE (MAH.)- 411 019

To,

M/s Jindal Rectifiers,
Plot # 195, Sector-24,
FARIDABAD(HR) – 121 005

SUB : Energy Saving Confirmation on Installation of Jindal's Automatic Voltage Controller – 2 Nos., Capacity – 1250 kVA, Range – 340 to 460 V

Jindal's make 1250kVA AVC (2 Nos.) are installed at Garware Wall Ropes Ltd. Wai Plant,

Following are the details:

1. Energy Savings (By optimizing secondary voltage of Transformer at 410 volt)
2. Reduction in Break-Down Maintenance - Time /Manpower and Money
3. Improvement in Power Factor
4. Uniform quality of end product.

In order to get precise online data, we have installed Energy Management System comprising of Digital Load Managers and Energy Monitoring Software. This system is brought into operation on 13.7.2013.

RESULTS

Attached herewith is a report generated from this system. Synopsis of this report is as follows

SOURCE	SAVING	SAVINGS IN UNIT/MONTH	SAVINGS IN RS/MONTH
TRANSFORMER (AVC) – 1	14/07/2013	23648 (7.1%)	1,64,354 INR
TRANSFORMER (AVC) – 2	TO 15/08/2013	31918 (7.3%)	2,21,830 INR
TOTAL SAVINGS		55566	3,86,184 INR

Breakdown: We have also observed that the break-down maintenance time is substantially reduced.

Power Factor: Power Factor is being maintained at unity.

Attached herewith are detailed reports generated from the system.

Voltage	% Savings	% Savings
400		-0.06
405		-0.89
410		-0.19
415	0.74	
420	1.59	
425	2.09	
430	3.23	
435	4.11	
440	4.39	
445	4.79	
450	5.84	
455	6.9	
460	7.7	
465	8.06	
475	9.86	
480	10.19	

