

Indraprastha Medical Corporation Limited

(Indraprastha Apollo Hospitals, New Delhi - A Joint Sector Venture of Govt. of Delhi)

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Date: 21st September, 2015.

TO WHOMSOEVER IT MAY CONCERN

This is to certify that we have installed MaxR100 system supplied by Cosmo Energy Pvt. Ltd in our 1.5 TR Voltas vertigo split ac unit ODU Code: 4511152. Material Code: 4501233 in our Biochemistry lab room number LCMS. We are pleased to confirm that we observed that the electrical power consumption has been reduced as per their calculation format & in applied test conditions. The pre-test data was taken on 19th & 20th August 2015 and AC temp was set to 22 degree Celsius. The post test data was taken on 14th to 16th September, 2015 and AC temp was set to 18 degree Celsius and electrical power consumption has been reduced by 24.71 %. Again post test data was taken on 16th at 2.47 PM to 17th September, 2015 at 3.47 pm and the AC temp was set to 22 degree Celsius the electrical power consumption has been reduced by 38% as per the calculation & pattern shown by their engineers.

We also observed that noise has reduced to a certain level.

We recommend MaxR100 for all AC users to reduce the electrical power consumption and costs.

For **INDRAPRASTHA APPOLLO HOSPITALS**

NAME: Anurag Sharma

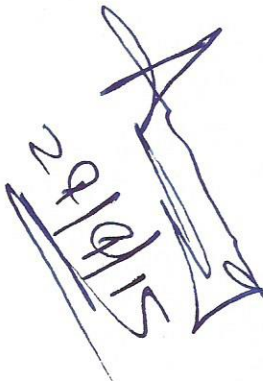
DESIGNATION: Sr. Engineer

Signature:



Energy Savings Report with MAXR100 on 1.5 TR AC unit

Equipment Details		1.5 TR AC UNIT,				Client Name		INDRAPRASTHA APOLLO HOSPITALS,				
Make		VOLTAS				Address		& SARTHA VIHAR, DELHI MATHURA ROAD				
Refrigerent		R22						NEW DELHI - 110 076				
MaxR100 type used		MAXR100										
Sr.No	From	To	TRH	Average in Deg.C		RH IN %	Average Current			KWH Consumption		
				Amb Temp	Inside Temp		R	Y	B	Total	Per Hour	
Pre MaxR100 installation Average Energy Consumption in KWH/Hour												
1	8/19/2015	8/20/2015	24	36	22.5	43	6.63				31.68	1.32
Post MAXR100 installation average Energy Consumption in KWH/ Hour												
2	9/14/2015	9/15/2015	24	31.3	18	38.6					24.664	1.072
3	9/15/2015	9/16/2015	24	31.5	18	39.3					23.03	0.959
4	9/16/2015	9/17/2015	24	32.00	22	38.00					19.398	0.808
Average Energy Consumption/ hour in KWH before MAXR100 installation												
Average Energy Consumption/ hour in KWH POST MAXR100 installation												
Difference in kwg consumption / hour in KWH												
Energy Savings with MAXR100 in KWH/ Hour in %												
Conclusion											1.32	
											0.808	
											0.512	
											38.78%	



 29/9/15