



FINAL YEAR PROJECT REPORT

DESIGNING AND FABRICATION OF ATMOSPHERIC WATER GENERATOR

In fulfillment of the requirement
For degree of
BEE (Electronics)

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DESIGNING AND FABRICATING A SOLAR POWERED WATER GENERATOR
ACKNOWLEDGEMENTS**ABSTRACT**

We would like to thank everyone who had contributed to the successful completion of this project. We would like to express our gratitude to my research supervisor, Engr. Yasir Amir for his invaluable advice, guidance and his enormous patience throughout the development of the research.

In addition, we would also like to express our gratitude to our loving parents and friends who had helped us and gave us encouragement.

This device is capable of generating 250ml of water in an hour, 1 litre in 4 hours and finally 6 litres in 24 hours.

We have divided our whole project in four units.

1. Solar power system
2. Refrigeration cycle
3. Control unit
4. Filtration system

DESIGNING AND FABRICATION OF ATMOSPHERIC WATER GENERATOR

ABSTRACT

This machine is the best solution for those areas where the quality of water is not up to the standards and the excellent part is it does not depend upon the electricity. Atmospheric water generator is not electrically powered machine, instead of using electricity which is un-reliable and sometimes un-available according to the current situation of country we have utilize solar energy to power up this atmospheric water generator. This machine works on Refrigeration cycle technology to produce drinking water by condensing water vapour from the surrounding air that is it "turns air into water".

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