According to the data from Iranian Ministry of Electricity, current year's electricity production has passed 168,654 Megawatts.

 $\frac{Wave \ generated \ power}{Production} = \frac{3180MW}{168654\ MW} = 1.88\%$

This means we could produce approximately 2% of electricity demand by clean energy.further coaprations are needed to increase this amount of energy.

5. Conclusion

Lack of finances, poor installation and lack of maintenance are the major hindrances to the ongoing adoption of RET (Renewable Energy Technologies) in Iran. Any co-operation between international and local institutions is bound to produce productive results because international institutions have developed proven expertise in various RETs. They have also built an enormous level of experience in dealing with RE financing and implementation. The international institutions have ISO 9001 and ISO 14000 registrations that assure the quality that assure the quality and environmental responsibility that the Islamic Republic of Iran requires. The government of Iran could put in place programs that would complement and strengthen RE enterprises by initiating internal reforms that would involve private sector participation. Therefore, RETs offer huge opportunities for social and economic development of Iran. Another critical aspect is the integration of RE courses into a regular training curriculum to tertiary and higher educational institutions at the local, regional and national level within Iran. So Iran needs radical changes in energy sector policies in order to move to harmoniously joint thinking, policymaking and action. The biggest change required is to place environmental objectives at the top of global, national, and personal priorities. This shift definitively does not mean ignoring country's basic needs satisfaction, or its economic and social advancement. But satisfaction of Iran's objectives must be made compatible with environmental goals. This means far greater transfers of financial resources, technology and know-how from industrialized countries to developing ones for environmentally friendly progress. [12]

6. References

- Richard Boud, "Status and Research and Development Priorities, Wave and Marine Accessed Energy," UK Dept. of Trade and Industry (DTI), DTI Report # FES-R-132, AEAT Report # AEAT/ENV/1054, UnitedKingdom, 2003.
- [2] Morris-Thomas et al.; Irvin, Rohan J.; Thiagarajan, Krish P. (2007). "An Investigation Into the Hydrodynamic Efficiency of an Oscillating Water Column". Journal of Offshore Mechanics and Arctic Engineering http://dx.doi.org/10.1115/1.2426992
- [3] Falnes, J. (2007). "A review of wave-energy extraction". Marine Structures 20 http://dx.doi.org/10.1016/j.marstruc.2007.09.001
- [4] Centre for Renewable Energy Sources Ocean Energy Conversion in Europe Recent Advancements and Prospects 2006
- [5] "Wave Power" University of Strathclyde.(http://www.esru.strath.ac.uk/EandE/Web_sites/01-02/RE_info/wave%20power.htm Retrieved 2008-11-02.)
- [6] "Wave Energy Potential on the U.S. Outer Continental Shelf" (PDF) United States Department of the Interior. http://www.ocsenergy.anl.gov/documents/docs/OCS_EIS_WhitePaper_Wave.pdf 2008-10-17.
- [7] Goda, Y. (Jun 2010 published). Random Seas and Design of Maritime Structures. World Scientific. ISBN 978 981 02 3256 6.
- [8] Holthuijsen, Leo H. (2007). Waves in oceanic and coastal waters. Cambridge: Cambridge University Press. ISBN 0521860288.

http://dx.doi.org/10.1017/CBO9780511618536

- [9] CIA fact book. https://www.cia.gov/library/publications/the-world-factbook/rankorder/2178rank.html
- [10] EIA, "Iran's Energy Data", http://www.eia.doe.gov/emeu/cabs/Iran/Background.html, April 1, 2008.
- [11] http://www.iran-daily.com/1387/3103/html/economy.htm#s29583
- [12] Renewable energy in Iran:Challenges and opportunities for sustainable development F. Atabi Islamic Azad University, Science and Research Campus, Tehran, Iran