

On Tuesday, December 31, 2013 4:41 PM, Jos M K <[jos.limcabook@gmail.com](mailto:jos.limcabook@gmail.com)> wrote:

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**From:** Jos M K <[jos.limcabook@gmail.com](mailto:jos.limcabook@gmail.com)>  
**To:** Prof Bharat Raj Singh <[brsinghko@yahoo.com](mailto:brsinghko@yahoo.com)>

Your entry has been confirmed and the 2014 edition of the book to be launched in Feb 2014 will feature it.

**Regards,**

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**M K Jos**  
**Associate Editor**  
Limca Book of Records

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## **Proposed text for Publication**

### **First compressed air-powered bike**

Prof (Dr) Bharat Raj Singh of School of Management Sciences, Lucknow and Prof Onkar Singh of Harcourt Butler Technological Institute, Kanpur, UP developed an air turbine engine with capacity to generate 5.5 HP (4.1 kW) power by using compressed air as fuel. The air engine measuring 4 inch (100mm) in outer casing diameter, 3 inch (75) in rotor diameter and 1.5 inch (35 mm approx.) in width can run a motor bike for 40 minutes using compressed air at 4-6 bar (60-90 psi) pressure. The load test conducted in the lab showed that the engine runs at 2000-3000 rpm with load and 10,000 rpm without load. The unique zero emission air engine was notified in *Patent Journal of Govt of India* on April 13, 2012.

Air-O-Bike, a motorcycle fitted with their concept air turbine engine, was exhibited before President of India at Lucknow on May 10, 2013.

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