

**Manuscript number: 2013/PRRI/5813**

**Manuscript title: DEVELOPMENT OF DOUBLE MOULD VIBRATION-COMPACTOR BLOCK MOULDING MACHINE FOR DEVELOPING COUNTRIES**

**Physical Review & Research International**

The manuscript presents a new designed vibration-compaction block moulding machine which can make two different sizes of the sandcrete blocks with low cost and easy maintenance. I recommend the authors to do **minor revision before publication**.

1. Make sure the writing style meet the standards of this Journal.
2. On page two, the authors cite paper “MohdRidhwan Bin Ramli, 2010” without listing it in the “REFERENCES”.
3. In table on page 3,
  - (A). what is the meaning of “*Compressice force of copression (F)*” ?
  - (B). How do you determine the value of “*13. Operating STress ( $\sigma$ )*”? Show your calculation.
  - (C). There is a typo on “*16. umber of Revolution in RPM (N)*”.
  - (D). Indicate the unit for “*17. Power*”
  - (E). The authors should provide a **schematic plot or technical drawing** to clearly denote some parameters listed in the table such as “Length of Hopper”, “Area of Compact drive shaft”, etc...
4. On page 4, how do you define “eccentric weight”?

In the following sentence:

“Hence, the design diameters of the **cds** and eccentric weight were 16.4mm and 33mm respectively”

- (A). What is the meaning of “**cds**”?
  - (B). How do you calculate “16.4mm and 33mm” from “ $r_e = 0.0165m$ ” ?
5. In the whole manuscript, the authors didn’t provide any description and/or evidence to prove this machine is easy to assemble. How can you support the following conclusion on page 4?

“b. Produce a machine that is easy to assemble and disassemble using a mounting support so each unit can be considered separately during maintenance.”
  6. In my opinion, the authors should show one or two CAD plots to demonstrate the **uniqueness** of their double mold design to distinguish this machine from others.