



**SDI Review Form 1.6**

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| Journal Name:            | <a href="#">British Journal of Applied Science &amp; Technology</a>                                  |
| Manuscript Number:       | 2013_BJAST_6447                                                                                      |
| Title of the Manuscript: | <b>COW DUNG ASH (CDA) AS PARTIAL REPLACEMENT OF CEMENTING MATERIAL IN THE PRODUCTION OF CONCRETE</b> |
| Type of the Article      | <b>Research Paper</b>                                                                                |

**General guideline for Peer Review process:**

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound.

To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)



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**PART 1: Review Comments**

|                                            | <b>Reviewer's comment</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <b>Author's comment</b> <i>(if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>                                                                                                                                                                                                                                                                                                                                   |
|--------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b><u>Compulsory</u></b> REVISION comments | <ol style="list-style-type: none"> <li>1- Line.7: the sentence is unclear.</li> <li>2- It is recommend that the authors compare the results of the current research, replacement of cement with CDA, with results obtained by the other replacement materials such as Fly Ash, Silica Fome, Rubber, ... . What are the pros and cons?</li> <li>3- Authors should provide appropriate information about the long term behaviour of CDA. Concrete structures are usually built for more than 40 years serviceability life. Is CDA life time long enough to be used in concrete structures?</li> <li>4- Tables.1 to 4: authors should explain that what is the reason for decreasing the weight of the specimens with 30% CDA with time passing? Also why the weight of the specimen with 20% CDA increases suddenly from 21day to 28days?</li> <li>5- How did the authors conclude that the thermal conductivity of the concrete made by CDA is lower than normal concrete?</li> </ol> | <ol style="list-style-type: none"> <li>1. Line 7 has been corrected.</li> <li>2. Comparison of Results of current research, replacement of cement with CDA, with results obtained by other replacement materials such as Fly Ash, Silica Fome, Rubber,---- will be done in subsequent manuscript. This research focuses on comparison with the control specimen.</li> <li>3. Noted.</li> <li>4. The weight of cube column has been removed by the advice of Reviewer 1.</li> <li>5. That section has been removed.</li> </ol> |
| <b><u>Minor</u></b> REVISION comments      | <ol style="list-style-type: none"> <li>1- Authors must avoid repeating to abbreviate a phase more than one time. For example CDA at lines 6, 8, 10, 17, 158, ...</li> <li>2- It is highly recommends that the authors merge Tables.1 to 4 as 3D graphs (x:CDA%; y:curing time, z:response parameter)</li> <li>3- Authors should explain that what are possible applications of the concrete made with CDA?</li> </ol>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <ol style="list-style-type: none"> <li>1. Noted and corrected.</li> <li>2. Noted and corrected.</li> <li>3. These have been clearly stated in the recommendations.</li> <li>4. It will be done in subsequent manuscript.</li> <li>5. Noted and corrected.</li> </ol>                                                                                                                                                                                                                                                          |



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|                                         | <ul style="list-style-type: none"><li>4- Authors should compare the costs of the some simple frame structures or any other possible example made by 0% and 10% CDA.</li><li>5- Section 3.1. should be rewritten by adding appropriate explanations and interpretation of the results obtained from the experiments.</li></ul> |  |
| <b><u>Optional/General</u></b> comments |                                                                                                                                                                                                                                                                                                                               |  |