



SDI Review Form 1.6

PART 1:

Journal Name:	<u>British Journal of Applied Science & Technology</u>
Manuscript Number:	2013_BJAST_4802
Title of the Manuscript:	A STUDY OF SECTIONS INTERACTION EFFECTS ON THERMODYNAMIC EFFICIENCIES OF A THERMAL POWER PLANT
Type of the Article	Research paper

General guideline for Peer Review process is available in this link:

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

- This form has total 7 parts. Kindly note that you should use all the parts of this review form.



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PART 2: Review Comments

	Reviewer's comment	Author's comment (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)
Compulsory REVISION comments	Abstract: Line 15 is ambiguous, study does not carry out analyses, but we carry out study on --. Try revise. Introduction: There are lot of inconsistencies in the use of tenses. Mixture of reported speech and present continuous tenses are randomly used. For example the use of "was" in lines 34 and 35 is not correct, instead "is" will be more appropriate. Please check thoroughly through this section for consistency in such language error. Talk a little about the causes of losses in exergy efficiency and ways of improving the efficiency. In line 44, I think "on" should be inserted before reheat steam --- In line 49, the commas separating Egbin, Ikorodu, Lagos—gives the reader the impression that three geographical locations are being considered. I suggest that the statement should read "Egbin in Ikorodu Local Government Area of Lagos State" Plant Description: Check consistency of tenses. Remember that you are describing a current operating status of a plant Equations: Reading through lines 85 – 155, it is had to figure what the equations represent. Are the mathematical signs superscripts? Please use equation editor in writing the equations as you did in lines 174 – 205 Results and Discussion: In line 242, other than chemical reactions, are there other reasons why the exergy efficiency in the furnace/boiler and condenser section low? Why is the energy lost to the cooling water here significant? In lines 258 – 260, does enthalpy in the	Line 15 has been revised. Past tense has been replaced with present tense in the lines suggested. Tenses have been corrected in the section on Plant Description. Equation editor has been used in lines 85 – 155.



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	boiler play a role in energy/exergy efficiency loss? Give some reasons for this loss. In line 307, the statement “irreversibilities was caused as a result of” does not make any sense, either use “caused by” or “as a result of”	“caused by” now used.
<u>Minor</u> REVISION comments	Check carefully language consistency	
<u>Optional/General</u> comments		