



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)
<u>Compulsory</u> REVISION comments		
<u>Minor</u> REVISION comments x	1)The subject, methodology and results are good, the author/s carried out an exergy analysis on the Turbine-generator, Condenser, Regenerator and Furnace-boiler Sections. However, the type of these instruments are nor clear. For example , the boiler is watertube or firetube and so on. 2)Information about the case study that has been done is not enough. Author/s just write in the INTRODUCTION section the thermal power plant is located in the Nigeria. The type of the thermal power plant is not clear, for example. 3)Introduction is so weak, and need to be improved. 4)In the abstract the author/s claimed that overall second-law efficiency of the plant was lower than the energy efficiency as was expected. Although he/she offered some reasons for this claim in conclusion section, it is better briefly offers some of them here. 5) There were some grammar errors in the manuscript, for example, $540^{\circ}C$ must change to $540C^{\circ}$.	2) The plant studied was a natural gas fired thermal power plant. This information is now included. 3) The introduction has been improved 4) The abstract has been corrected. 5) The grammar has been corrected.
<u>Optional/General</u> comments		