

### Review Form 3

Journal Name:	<a href="#">Journal of Energy Research and Reviews</a>
Manuscript Number:	Ms_JENRR_130790
Title of the Manuscript:	Numerical simulation and evaluation of Y2S3 and Y2TeS2 on structural, stability and electronic properties for photocatalytic water splitting applications
Type of the Article	Research Article

#### PART 1: Comments

	Reviewer's comment	Author's Feedback <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
<b>Please write a few sentences regarding the importance of this manuscript for the scientific community. A minimum of 3-4 sentences may be required for this part.</b>	Investigation using state of the art density functional theory the physical properties and photocatalytic application of orthorhombic phase yttrium sulphide (Y <sub>2</sub> S <sub>3</sub> ) is very important. Recently, two-dimensional material yttrium sulphur selenide (Y <sub>2</sub> Se), was predicted by using first principle calculations.	
<b>Is the title of the article suitable? (If not please suggest an alternative title)</b>	Yes, highly appreciable article.	
<b>Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here.</b>	Yes	
<b>Is the manuscript scientifically, correct? Please write here.</b>	Yes	
<b>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</b>	Yes, But the references may introduce serially in introduction. Mismatch reference number in references number and in introduction.	
<b>Is the language/English quality of the article suitable for scholarly communications?</b>	Yes,	
<b>Optional/General</b> comments	Article is overall good for research. Article is overall good for research. Article may accept after small corrections in references. The references may introduce serially in introduction. Mismatch reference number in references number and in introduction	

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**PART 2:**

	<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>Are there ethical issues in this manuscript?</b>	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

**Reviewer Details:**

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Department, University & Country	<b>Savitribai Phule Pune University, India</b>