Review Form 1.6

Journal Name:	**Journal of Engineering Research and Reports**
Manuscript Number:	**Ms_JERR_84003**
Title of the Manuscript:	**Effect of Boehmite Nanoparticles Surface Adsorbed with Vanadium on Microstructure and Hardness of Melted Zone in Submerged Arc Welding Process**
Type of the Article	**Original Research Article**

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:

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PART 1: 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	Page 1 Effect of Boehmite Nanoparticles Surface Adsorbed with Vanadium on Microstructure and Hardness of Melted Zone in Submerged Arc Welding Process The Title of this article should be reframed as shown below Effect of Surface Adsorption of Boehmite Nanoparticles with Vanadium on the Microstructure and Hardness of the Melted Zone in the Submerged Arc Welding Process Or Effect of Boehmite Nanoparticles Surface Adsorbed with Vanadium on the Microstructure and Hardness of the Melted Zone in the Submerged Arc Welding Process Page 1 The unit should be separated from the value as shown below: 13 % Page 2 The unit should be separated from the value as shown below: 0.18 % Page 3 The unit should be separated from the value as shown below: 220 °C Page 4 This figure 1 needs to be made bold and large. This figure needs to be made clear Page 4 This figure 2 needs to be made bold and large. This figure needs to be made clear Page 5 This figure 3 needs to be made bold and large. This figure needs to be made clear	

	Page 5 This equation was not mentioned in the text of the article It should be mentioned as shown below: …….as given in equation 1 Page 7 The unit should be separated from the value as shown below: 2 % Ditto to other affected areas Page 7 This figure 4 needs to be made bold and large. This figure needs to be made clear Page 7 This figure 5 needs to be made bold and large. This figure needs to be made clear Page 8 This figure 6 needs to be made bold and large. This figure needs to be made clear Page 8 This figure 7 needs to be made bold and large. This figure needs to be made clear Page 9 This figure 8 needs to be made bold and large. This figure needs to be made clear Page 9 This figure 9 needs to be made bold and large. This figure needs to be made clear Page 10 Remove the bold **[20, 21].** Page 11 This figure 10 needs to be made bold and large. This figure needs to be made clear Page 11 This figure 11 needs to be made bold and large. This figure needs to be made clear Page 12 This figure 12 needs to be made bold and large. This figure needs to be made clear Page 12 (Conclusion Section) **Use Romans numeral instead of Arabic numeral as shown below**: i. Arc voltage and welding current had the major effect which resulted in decreasing hardness of welded zone significantly. ii. Speed of welding speed and electrode stick-out had less effect on hardness than arc voltage and welding current. The HMZ increased with the increase in welding speed and electrode stick-out. iii. Increasing the amount of boehmite nanoparticles surface adsorbed with vanadium leads to an increase in HMZ considerably. iv. The HMZ obtained for the weld samples were found to correspond to the formation of	

	more acicular ferrite in the weld metal due to the addition of BNV to the weld pool. Page 13 (Reference Section) The references are well cited But the references were not listed in the article very well. Listed references 18 and 19 were not cited in the text of the article The correct reference listing format for the journal should be followed strictly.	
Minor REVISION comments		
Optional/General comments	**General Comments** The Title is appropriate for the research but it should be added with word review. The Abstract is concise The introduction is well structured and articulated. The methodology is well spelt out and also appropriate. The results are well details and discussed properly. The conclusion is well constructed and structured. The references are well cited But the references were not listed in the article very well Listed references 18 and 19 were not cited in the text of the article **NOTE:** Results section The experimental results of the hardness should be added to this work as the title reflected hardness. The effect of vanadium nanoparticles with boehmite should be addressed in the research by the author.	

PART 2:

	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)*
Are there ethical issues in this manuscript?	*(If yes, Kindly please write down the ethical issues here in details)*	

Reviewer Details:

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