Dear Editors and Reviewers:

Thank you for your letter and for the reviewers' comments concerning our manuscript entitled "Research on Hot Stamping-Carbon Partition-Intercritical Annealing Process of Medium Manganese Steel" (ID: **materials-2106594**). Those comments are all valuable and very helpful for revising and improving our paper, as well as the important guiding significance to our researches. We have studied comments carefully and have made correction which we hope meet with approval. Revised portion are marked in red in the paper. (The figure captions are marked red if the figure have been modified or added) The main corrections in the paper and the responds to the reviewers' each comments are as flowing:

Responds to Reviewer3's comments:

1. Response to the comment: "The paper should be checked for spelling mistakes."

Response 1: The manuscript has been carefully checked for spelling mistakes and revisions are marked red in the modified manuscript.

2. Response to the comment: "In my opinion Fig. 4 is not necessary."

Response 2: After discussing with all of the authors, we think that figure 4 can help the readers to understand the novelty of the proposed process, so we decided to keep it in the manuscript. Thanks for the suggestion.

3. Response to the comment: "Some hardness measurements after each heat treatment should be performed."

Response 3: Thanks for the suggestion. Tensile tests were performed for each sample and mechanical properties such as tensile strength and total elongation were obtained and in our opinion, it's sufficient.

4. Response to the comment: "References from 15 to 24 are not mentioned in the paper."

Response 4: The number of references from 15 to 24 was added in the modified manuscript as follows:

"Combing the proposed QA process, the PSE reached 43.6GPa%, which is higher than most of the reported results[2,9,15-24] for medium manganese with comparable carbon equivalent, as shown in figure 6."

The corresponding modification has been made in paragraph 1, page 6.

We tried our best to improve the manuscript and made some changes in the manuscript. These changes will not influence the content and framework of the paper. And here we did not list the changes but marked in red in revised paper.

We appreciate for Editors/Reviewers' warm work earnestly, and hope that the correction will meet with approval.

Once again, thank you very much for your comments and suggestions.