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| Journal Name: | [**Journal of Engineering Research and Reports**](https://journaljerr.com/index.php/JERR) |
| Manuscript Number: | **Ms\_JERR\_142144** |
| Title of the Manuscript: | **Behavior of Normal and Hybrid Strength Reinforced Concrete Corbels Strengthened with Steel Plate** |
| Type of the Article |  |

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| PART 1: Comments | | |
|  | Reviewer’s comment **Artificial Intelligence (AI) generated or assisted review comments are strictly prohibited during peer review.** | **Author’s Feedback** (It is mandatory that authors should write his/her feedback here) |
| **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.** | This paper is both normal and hybrid strength concrete types and provides insightful information about the structural performance of reinforced concrete corbels enhanced with steel plates. The experimental study makes a substantial contribution to the body of knowledge regarding the practical and economical method of increasing the shear and flexural capacities of corbels. The study offers practical suggestions for enhancing load-bearing capacity and postponing structural element cracking by examining variables like concrete strength and shear span-to-depth ratio. The results make a significant addition to the field of civil and structural engineering since they are especially pertinent to the strengthening and rehabilitation of precast and cast-in-situ concrete structures. | The authors greatly appreciate the reviewer’s comments. |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** | Suitable title, no issues | The authors greatly appreciate the reviewer’s comments. |
| 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. | Mention experimental method:- Declare that performance was evaluated using a load test or push-off test.  Include failure modes:- Bringing up the failure modes that have been noticed | The authors thank the reviewer for his/her valuable comment. The performance was evaluated using push-off tests as detailed in section 2.4 test arrangement. Failure modes are listed in Table 4. |
| Is the manuscript scientifically, correct? Please write here. | The manuscript seems to have a well-organised experimental technique and analysis, making it seem scientifically solid. Its scientific clarity and rigour can be improved, nonetheless, by a few observations and suggestions.  1.Although pertinent material is included in the introduction, it would be ideal to indicate how this study adds to or bridges gaps in the existing body of literature.  2.Although the failure modes are explained and depicted, the scientific understanding would be strengthened by additional discussion that links these modes to the behaviour of the material (e.g., reinforcement yield, bond failure).  3.Statistical treatment (e.g., standard deviation, repeatability) is not mentioned. Commenting on experimental accuracy or variability improves rigour, even in small-sample studies. | The authors greatly appreciate the reviewer’s comments. A statement was added to the introduction to indicated how the study adds to the existing literature. The relationship between the failure modes and the behaviour of the material such as reinforcement yield and bond failure is beyond the scope of this study. Due to the limited number of tested specimens, statistical treatment such as standard deviation and repeatability has not been made. |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.** | the scholarly worth and update the conversation, the writers have to think about adding more recent research from the previous five years.  1.Gamil, Y., & Nehdi, M. L. (2021). *"Strengthening of reinforced concrete beams using externally bonded steel plates: State of the art."* Construction and Building Materials, 272, 121913. [https://doi.org/10.1016/j.conbuildmat.2020.121913]  2.Sangle, K. K., & Salunkhe, D. (2022). *"Experimental and numerical study of reinforced concrete corbels with hybrid reinforcement systems."* Journal of Building Engineering, 52, 104301.  3.Rao, V. S., & Singh, Y. (2023). *"Experimental investigation on high-strength concrete deep beams with different shear span to depth ratios."* Materials Today: Proceedings. | The references suggested by the reviewer are incorrect and cannot be found. |
| Is the language/English quality of the article suitable for scholarly communications? | The paper accurately represents the technical material and is generally comprehensible. | **The authors greatly appreciate the reviewer’s comments.** |
| Optional/General comments |  |  |

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| **PART 2:** | | |
|  | **Reviewer’s comment** | **Author’s Feedback** (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)* |  |