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## Certificate

*It is here by certified that the paper ID : IJRASET37620, entitled*

*Analysis and Optimization of cutting parameters of Carbon Steel EN8D used in the  
Shaft of Crawler Excavator under Carriage Track Roller Assembly for Model PC 200 - Review*

*by*

*Ghanshyam V. Patel*

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*Good luck for your future endeavors*

*By*

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