

## عنوان مقاله:

Investigating the Possibility of Reducing Sound Pressure in Screen and Ground Floor Mixbin Transporting Materials and Drainage of Melt and Furnace Slag 6

## محل انتشار:

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## خلاصه مقاله:

The steel industry is one of the most important industries in any country. Noise pollution in the steel sector due to the presence of harmful noise generating equipment such as electric arc furnaces, magnetic motors and screens is considered as a health problem, so that hearing loss due to work is observed in some units. Understanding the pattern of exposure can help the goals of occupational voice control. In this study, while investigating the possibility of reducing sound pressure in the screen and ground floors of the mix between material transport and discharge of molten and kiln slag (6), expressing the definitions and principles of sound and general methods of control, sources of noise generation and propagation in different parts of steel And how it is dealt with in full detail. Therefore, considering the effective parameters in the operation and performance of the existing system, the necessary studies and calculations have been performed and suggestions have been made. In this regard, first, the desired audio sources have been identified and examined. In three different sections, first in the screen floors, changing its actuator system, in the ground floor mix between carrying materials, changing the existing vibrating system, and finally in draining the melt and slag of the furnace (6), the installation of sound insulation chamber is proposed. As the above designs show .a positive effect on reducing sound pressure in various sectors

## کلمات کلیدی:

Steel, Sound, System, Slag, Mix Bin, Screen

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