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A survey on reaction of noise and vibration in construction sites

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ABSTRACT

86 % of disputes related with noise and vibrations were mediated by Ministry of environment and over 61 % of construction sites have suffered with noise complaint. Most noise complaints of construction sites are caused by construction equipment. In some countries, there are regulations to control noise level of construction equipment. The regulations classify construction equipment by 2 categories which are equipment subject to noise limits and equipment subject to noise marking only. However those kinds of regulations have limitation to reduce construction site noise and vibrations because various construction equipment were normally operated in construction site at the same time. And there is no clear guide line to control overall construction site noise. In this study, occurrence frequency and types of noise and vibration from construction sites were evaluated and types of complaint and reactions were analyzed.