



Water Hammer Damage To An Irrigation Cum Water Conducting System

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Condition: New. Publisher/Verlag: LAP Lambert Academic Publishing | An Award Winning Research Initiative By the Author to assess the Phenomena of Water Hammer Damage | A detailed study of the causes behind the damage of an irrigation-cum-hydro power water conducting system and its effects has been carried out in this paper along with an overview of the probable solutions of the damage incurred by the same. Hydraulic transient in the system due to sudden opening of the irrigation outlet has been analyzed using HYTRAN software. It is found that negative pressure develops in the water conducting system which may have damaged the conducting system. Based on the analysis, it is suggested to provide a valve on the hydro power conducting line at the bifurcation of the water conducting system to avoid the negative pressure in the system and thereby to safeguard the system from the collapse due to negative pressure. Moreover, selecting appropriate measures for protection of a pipe system is also suggested. | Format: Paperback | Language/Sprache: english | 107 gr | 220x150x3 mm | 68 pp.



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