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## Firm designs mishap-free device for Indian Railways

DC CORRESPONDENT  
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The Vijayawada-based software firm, Efftronics, has developed a solid state block instrument, a micro-computer-based electronic system, to ensure the safe passage of a train between two stations.

The accident-free equipment was designed to replace the existing electro-mechanical block instruments in the railways. The Efftronics research and development wing started working on solid state block instruments since 2003 to achieve a high level of safety. The safety worthiness of the solid state block instrument was assessed by expert independent agencies before field trials, and was assessed by the Centre for Knowledge based Systems (CKBS), Jadavpur University, Kolkata.

On its satisfactory field trials, the Research and Designs and Standards Organisation (RDSO) of the Indian Railways, Luck-



D. Ramakrishna, managing director of Efftronics, explains the functioning of solid state block instrument for safe passage of trains in Vijayawada on Tuesday. — DC

now permitted a stand alone trial of the instrument for 90 days between Vijayawada-Gunadala and Bhimadole and Pulla railway stations. After the successful completion of the 90 day trial, the RDSO approved the product for use in the Indian railways.

Explaining the functioning of the new equipment, Efftronics managing direc-

tor Mr D. Ramakrishna said that the solid state block instrument works in three seconds, compared to three minutes of the existing system, to help run more trains on the same track. Efftronics director Mr B. Sambireddy, executive manager Mr S.R.T. Ramaswamy and general manager Mr G.V. Krishna Rao were present.