GLASS DEVELOPMENT AND PRODUCTION AT CSIR-CGCRI FOR OPTICAL APPLICATIONS: SOME SUCCESS STORIES

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CSIR-Central Glass and Ceramic Research Institute (CSIR-CGCRI) is the premier glass research institute in the country. From its inception, it is developing and producing various types of glasses for use in different types of optical applications particularly by the strategic sectors and industry. Among these developments and production, the most important glasses and glass-ceramics are classical and new generation optical glasses, radiation shielding glasses, lead-free glasses for use in plasma display devices, chalcogenide glasses and near zero expansion transparent glass-ceramics. In this article, a brief overview of these glasses and glass-ceramics with some events of set up of CSIR-CGCRI is presented.