

# Development of Technology for Remote Fabrication of Pressurized Capsules in a Pressurized Chamber using LASER (An Effort Towards Re-Irradiation Program)

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Machined & welded capsules

Design and development of a high pressure chamber

Pressurization of capsules (up to 100 bar)

Remote Laser welding of pressurized capsules.



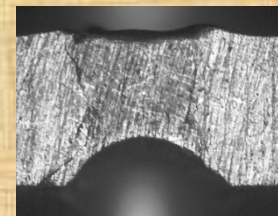
Laser welding set-up



Checking of weld integrity at higher temperature up to 850°C

This technique will be used for remote laser welding of

Irradiated clad tube with fresh end plug & Irradiation capsule Inside the hot cell



After welding & weld cross section



Pressurization set-up



Increase in volume in the pressurized capsule