

# In situ determination of impurities in molten fluoride salt



Electrode and Ni alloy crucible



Mixing and preparation of salt inside glovebox



Facility for in situ determination of impurities along with data acquisition system

- ❖ Aimed at online measurement of oxide and other cationic impurities.
- ❖ Based on voltammetry principle using a three electrode system.
- ❖ Square wave voltammetric response of the system was used to determine the oxide ion concentration.
- ❖ Impurity measurement of FLiNaK salt (coolant salt of IMSBR and IHTR) has been carried out.