

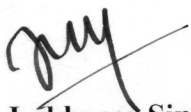
## Report on TEQIP-III Sponsored Research Project Under Seed Grant

1. **Title of the Project:-** Investigations on Material Degradation & Performance of Thermally Sprayed Coatings & Materials in High Temperature Aggressive Environment in Industry.
2. **Name of Investigator:-** Lakhveer Singh Khana
3. **Amount Sanctioned:-** 1,70,000/- INR
4. **Amount utilized:-** 64,864/- INR
5. **Brief Description:-**

As described in tentative plan, development of hot corrosion test rig has been completed. This test setup is being utilized hot corrosion study of bio-medical waste incinerator material particularly in this project and will be utilized in all related/similar projects of students and faculty in future. Material under testing was taken from industry as well as arranged form market. Material samples have been tested for SEM/EDS after preparation. Coating of samples is under process. Due to COVID-19 restrictions, Bio-Medical waste incinerators are not accessible right now for actual condition testing. On completion of simulated as well as actual condition exposure, comparison will be made for research conclusions.

6. **Project Outcomes (till date):-**

Hot corrosion test rig has been completed. It ready for all kind of related testing.



**Lakhveer Singh Khana,**  
PI