

Research Report

Title:- Seed grant for material testing in Ph.D research work.

Name of Researcher:- Enr. Deepak Dhand

Name of Supervisor:- Dr. Jasmaninder Singh Grewal
(Prof & Head, Production Engg)

Sanction No:- PE/482 dated 18/02/21.

Amount Sanctioned:- Rs 1,15,109/-

Availed amount:- Rs 47,138/-

Status of work:- Material testing of samples has been done partly whose details are given below:-

| Type of Testing | Total No of samples sanctioned for testing | No of Samples tested under said amount |
|-----------------|--|--|
| FE-SEM | 58 | 25 |
| EDS | 75 | 36 |
| EDS-Mapping | 04 | 04 |
| XRD | 04 | 04 |

Benefits of work - The research work will help to compare and evaluate the performance of thermal spray coatings at high temperatures to enhance service life of boiler steels in coal fired power plants.

Jasmaninder Singh

Enr. Deepak Dhand