

In-House R&D Projects – NPSL

Year 2015-16

S. #	Title of Project	Project Leader	Duration	Year
1.	Capacity building of Time and Frequency Metrology through establishment of Acoustic Facility	Dr. SumairaMasoodSiddiqui	24 months	2015-2016
2.	Capacity building of Pressure Metrology Division	Mr. Muhammad AftabHaiderJafri	12 months	2015-2016
3.	Development of a set of Masses of F Class (01 mg to 20 Kg)	Mr. Muhammad Rafique	12 Months	2015-2016
4.	Capacity building of Electrical Metrology Division through induction of required auxiliaries / accessories of existing equipment & establishment of High Voltage Laboratory & Power & Energy calibration facilities	Mr. Nazir Ahmed Buriro	12 Months	2015-2016
5.	Capacity building of Thermal Metrology Division	Mr. Mukhtar Ahmed	12 Months	2015-2016
6.	Capacity building of Dimension Metrology Division	Mr. Muhammad Inayalullah	12 Months	2015-2016
7.	Characterization and development of treatment technology for brackish water of different areas of Pakistan	Dr. Muhammad TahseenAslam	12 Months	2015-2016

8.	Development of In-house Reference Material for the estimation of wear metals in lubricating oils	Dr. RaheelaChaudhry	24 Months	2015-2016
9.	Extraction, characterization and standardization of active ingredients from indigenous medicinal plants of Pakistan and its applications for the treatment of Skin Diseases	Dr. NaseemRauf	12 Months	2015-2016
10.	Removal of industrial dyes by fungal biomass and activated carbon prepared from agro waste	Dr. Muhammad Tausif Ch.	18 Months	2015-2016
11.	Green synthesis of silver nano-particles by using plant extract and its application.	Ms. FouziaHussain	18 Months	2015-2016
12.	Comparison of sample preparation and analytical methods, for determination of metal ions in geological samples at major and trace level using different classical and instrumental techniques	Dr. Saimalmaid	24 Months	2015-2016
13.	Development of standard reference methods for trace determination of organic / inorganic pollutants in aqueous matrices.	Dr. S. S. Tahir Malik	12 Months	2015-2016