

Dalmia Institute of Scientific and Industrial Research

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About the Institute

The institute is registered in the year 1971 as a Research Institute under Registration of Societies Act XXI of 1860 and recognized as Scientific & Industrial Research Organization (SIRO) by the Department of Scientific & Industrial Research, Govt of India and exempted for income tax under Section 35(i)(ii) of Income Tax Act by Ministry of Finance, Govt of India.

Principal Objective

The objectives of the institute are to organize, sponsor, promote, establish, conduct and undertake scientific and industrial research in any manner what so ever in any area or field and to encourage and foster education of persons in pure and applied science.



DR B.K.PANDA, DIRECTOR
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Expertise

Over the years the institute has rendered scientific and industrial research in the areas such as Refractory, Cement, Ceramics, Mineral beneficiation, Waste Utilization and Fundamental Study.

The Institute undertakes fundamental & sponsored research from Govt & private organizations.

Infrastructure

The Institute is well equipped with laboratory buildings, technical library and sophisticated equipment backed by experienced scientists.

1) Refractories

Evaluation/characterization of raw materials and development refractory products through XRD, Microscopy, Thermal conductivity by Hot Wire Method as per DIN/ISO, Creep/RUL up to 1700°C, Pore size Analyser, HMOR, Cold abrasion as per DIN, Hot Abrasion up to 1200°C, CCS machine, Furnaces up to 2300°C and Induction furnace for simulative test, spalling as per GOST/DIN, PLC up to 1700°C, AP, BD, ASG, BSG, Chemical Laboratory, Mill House.

2) Cement & Concrete

Chemical, Physical, (Fineness NC, LST, FST), SSA, Mixing, Casting, Curing, Firing, PSA, BET, DTA/TG, XRD, Microscopy, Burnability, Flow table, Transverse Strength, CCS, soundness, Heat of Hydration, autoclave Expansion, Glass content in slag.

3) Mineral beneficiations

Froth Floatation cell, Gravity separation cell.