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N S I C

ISO 9001-2015  
(A GOVT. OF INDIA ENTREPRISES)



**NABL ACCREDITED**

## **MATERIAL TESTING LABORATORY**

National Small Industries Corporation Ltd. (NSIC), an ISO 9001:2015 certified Government of India Enterprise, has been working to fulfill its mission of promoting, aiding and fostering the growth of Micro, Small & Medium enterprises.

NSIC through its Technical Centres is engaged in providing common facility services in the area of testing to MSMEs.

**NSIC - Technical Service Centre at Okhla Industrial Estate, New Delhi offering testing facilities to industry through NABL accredited testing laboratory.**

# TESTING FACILITIES IN LABORATORY FOR MECHANICAL AND CHEMICAL PROPERTIES

| PRODUCT   | TYPE OF TEST COVERED  |
|---|---|
| <b>Ferrous and Non-Ferrous Metals &amp; Alloys</b>  |   |
| <b>Iron and Steel &amp; its Alloys</b><br><b>Copper &amp; its Alloys</b><br><b>GI Sheet</b> | <b>Chemical Properties</b><br>C, Mn, Si, S, P, Ni, Cr<br>Sn, Pb, Fe, Zn, Cu<br><b>Mechanical Properties</b><br>Tensile Strength<br>Yield Stress<br>% Elongation<br>Bend<br>Hardness   |
|   | <b>Chemical Properties</b><br>Zinc Coating<br><b>Mechanical Properties</b><br>Flattening Test   |
|   | <b>Chemical Properties</b><br>$SiO_2$ , $Al_2O_3$ , $Fe_2O_3$ ,<br>$MgO$ , $CaO$ , $So_3$<br>Insoluble Residue,<br>Total Loss on Ignition<br><b>Mechanical Properties</b><br>Compressive Strength<br>Setting Time<br>Consistency<br>Soundness |
| <b>Steel Pipes and Tubes</b>  |   |
| <b>Building Materials</b>   |   |
| <b>Cement - PPC and OPC</b>   |   |
| <b>Cement Concrete Cubes</b>  |   |
| <b>Bricks</b>   |   |
| <b>Man-hole Covers</b>  |   |
| <b>Paver Blocks</b>   |   |



# Laboratory perform tests according to **Indian Standards** in controlled laboratory **Environmental Conditions.**

| PRODUCT  | TYPE OF TEST COVERED   |
|--|--|
| <b>Coarse and Fine Aggregates</b>  | <b>Mechanical Properties</b><br>Sieve Analysis<br>Flakiness Index<br>Crushing Value<br>Deleterious Materials<br>Bulk Density<br>Water Absorption<br>Specific Gravity<br>Elongation Index<br>10% Fine Value<br>Impact value<br>Soundness                |
| <b>Timber</b><br><b>Flush Door Shutter</b><br><b>Block Board</b><br><b>Particle Board</b><br><b>Pre-laminated Particle Board</b><br><b>Plywood</b> | <b>Mechanical Properties</b><br>Moisture Content<br>Density<br>Screw Withdrawal Strength<br>Water Absorption<br>Swelling in Water<br>Modulus of Elasticity<br>Modulus of Rupture<br>Resistance of Steam<br>Tensile Strength<br>Resistance to Cigarette |
| <b>Construction Water</b>  | <b>Chemical Properties</b><br>Acidity<br>Alkalinity<br>Sulphate<br>Chloride<br>Organic Solid<br>Inorganic Solid<br>Total Suspended materials<br>pH Value   |



**Testing services is delivered with the proven practices accredited by NABL (India) through,**

- Calibrated Equipments and Machines
- Experienced and competent Staff
- Testing conditions/ parameters as per laid down standards
- Consolidated/ Testwise testing charges
- No hidden charges
- Services delivered as per defined timelines



**{ Customers : Repeatedly availing the Testing Services. }**

- INDIAN RAILWAYS
  - STATE BANK OF INDIA
  - HARYANA HOUSING BOARD
  - HINDUSTAN LIFE CARE LTD.
  - PUBLIC WORKS DEPARTMENTS
  - ORIENTAL BANK OF COMMERCE
  - INDIAN OIL CORPORATION LTD.
  - NEW DELHI MUNICIPAL COUNCIL
  - POWER GRID CORPORATION LTD.
  - UP RAJKIYA NIRMAN NIGAM LTD.
  - DELHI DEVELOPMENT AUTHORITY
  - EMPLOYEE PROVIDENT FUND ORG.
  - HINDUSTAN PETROLIUM CORP. LTD.
  - ENGINEERING PROJECTS INDIA LTD.
  - CENTRAL PUBLIC WORKS DEPARTMENT
  - NATIONAL BUILDING CONST. CORP. LTD.
  - NATIONAL THERMAL POWER CORP. LTD.
  - DELHI AGRICULTURE MARKETING BOARD
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  - B. G. SHIRKE CONST. TECH. PVT. LTD.
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  - NATIONAL HIGHWAY CONST. COMPANY
  - KAMLADITYA CONSTRUCTION PVT. LTD.
- and many more....



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**To avail the testing services contact**

**NSIC TECHNICAL SERVICES CENTRE**

OKHLA INDUSTRIAL ESTATE, NEW DELHI – 110020  
(Near Govindpuri Metro Station)

**Phone: 01126826848/26826801, Mobile: 7874757687**

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<http://www.nsic.co.in/technology.asp>