



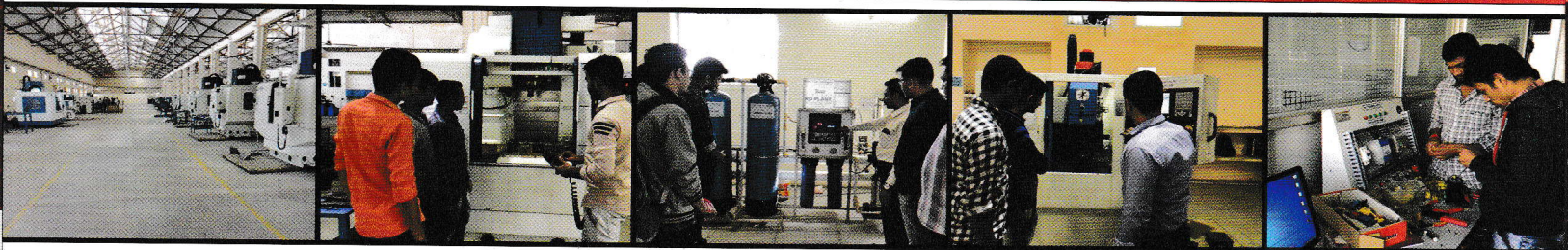
# NSIC Technical Services Centre

(A Govt. of India Enterprise)

एन एस आई सी  
N S I C



- Training
- Testing
- Calibration
- Tool Room
- Commercial Services
- Livelihood Business Incubation Centre (LBI)



:: For Enquiry Please Contact ::

## **National Small Industries Corporation**

(A Govt. of India Enterprise)

Aji Industrial Area, Bhavnagar Road, Rajkot - 360 003.

Ph. : 0281 - 2387395 / 2387399 / 2387730 Fax : 0281 - 2387729

Mo. : 7202957042 / 9723459846

E-mail : [ntscraj@nsic.co.in](mailto:ntscraj@nsic.co.in) Website : [www.nsic.co.in](http://www.nsic.co.in)

# Tool Room

No.	Course Description	Duration	Hours	Fee Rs.	Eligibility
1	CNC Lathe Operating & Programming	3 Months	180	6000	Metric
2	CNC Milling (VMC) Operating & Programming	3 Months	180	6000	Metric
3	CNC Turning + Milling (VMC) Operating & Programming	5 Months	300	10000	Metric
4	AutoCAD	1 Month	60	3000	Metric
5	Creo 2.0	2 Months	125	7500	Metric
6	Unigraphics NX CAD	3 Months	180	9000	Metric
7	Unigraphics NX CAM	2 Month	125	6000	Metric
8	EDM Operator	2 Months	125	6000	Metric
9	CNC Wirecut Operator	2 Months	125	4000	Metric
10	Ansys	3 Months	180	7500	Metric
11	Master CAM Lathe	2 Months	125	5000	Metric
12	Master CAM Mill	3 Months	180	7000	Metric
13	Master CAM Turn Mill	2 Months	125	6000	Metric
14	Induction Hardening Machine Operator	2 Months	125	4000	Metric
15	Injection Molding Machine Operator	2 Months	125	4000	Metric
16	Plastic Mold design & Manufacturing	3 Months	180	7500	Metric
17	Press Tool Design & Manufacturing	3 Months	180	7500	Metric
18	Jigs, Fixtures, Gauges Design & Manufacturing	3 Months	180	7500	Metric
19	Tool and Cutter Operator	2 Months	125	4000	Metric
20	3D Printer Operator	2 Weeks	30	2000	Metric
21	Quality Control	2 Months	125	5000	Metric
22	Turner (Lathe)	2 Months	125	2000	Metric
23	Fitter	2 Months	125	2000	Metric
24	Machinist (Milling, M1TR Operator)	2 Months	125	2000	Metric
25	Grinder Man (Cylindrical, Surface Grinder)	2 Months	125	2000	Metric
26	Welder (MIG, TIG, ARC etc. Welding Machine Operator)	2 Months	125	2000	Metric
27	Master Certificate Course in CNC Technology	10 Months	780	30030	Metric



# Training Centre

No.	Course Description	Duration	Hours	Fee Rs.	Eligibility
28	Lathe Operator	5 Months	400	15400	8th Std.
29	Designer - Mechanical	8 Months	600	23100	Metric
30	Draughtsman – Mechanical	4 Months	300	11550	Metric
31	Master Certificate Course in CAD / CAM	10 Months	780	30030	Metric
32	Tool and Die Maker	9 Months	700	26950	Metric
33	Master Certificate Course in Computer Aided Tool Engineering	10 Months	780	30030	Metric
34	Master Certificate Course in Tool Design	10 Months	780	30030	Metric

## INTERNSHIP AND STUDENT PROJECTS

No.	Course Description	Duration	Hours	Fee Rs.	Eligibility
35	Internship on CNC Programming / Mould Design / Press Tool Design / CAD CAM / Heat Treatment (Induction Hardening) / Quality Control with Student Projects	2 Months	264	5000	Diploma / Degree
36	Student Projects on - • Manufacturing (CNC / VMC / Wire-Cut / EDM etc) • Analysis (Ansys Software) • Designing (NX CAD CAM / Creo 2.0 / Master CAM )	1 Month	132	2500	Diploma / Degree
37	Micro / Mini / Major Projects on Electrical / Electronics / Computers / Robotics / Embedded	1/2/6 Months	100 / 200 / 400	2500 / 5000 / 10000	Diploma / Degree

## SKILL DEVELOPMENT (LBI)

No.	Course Description	Duration	Hours	Fee Rs.	Eligibility
38	PLC & SCADA	3 Months	180	15000	Diploma / IT
39	Embedded & Robotics	3 Months	180	15000	Diploma / IT
40	Home Appliance Repairing	2 Months	125	6000	Intermediate
41	Computer Hardware & Networking	3 Months	180	10000	Intermediate
42	Course in Computer Concept	2 Months	125	3000	Intermediate
43	Tally	3 Months	180	3000	Intermediate
44	Web Designing	2 Months	125	10000	Intermediate
45	Word Press	2 Months	125	10000	Intermediate

# Livelihood Business Incubation Centre (LBI)

## SKILL DEVELOPMENT (LBI)

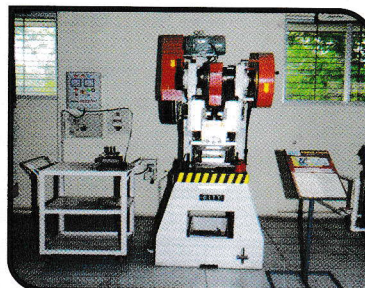
No.	Course Description	Duration	Hours	Fee	Eligibility
46	Laptop Repairing	3 Months	180	6000	Intermediate
47	Advance Electrician	2 Months	125	6000	Intermediate
48	Mobile Repairing	3 Months	180	6000	Intermediate
49	Industrial Panel Wiring	2 Months	125	6000	Intermediate
50	Bus and AC Car Repairing	2 Months	125	5000	Intermediate
51	PCB Designing	1 Month	60	5000	Intermediate
52	E-Marketing (Social Media Marketing)	1 Month	125	5000	Intermediate
53	Beauty Parlour	3 Months	180	6000	Intermediate
54	Fashion Designing	3 Months	180	6000	Intermediate

## MANUFACTURING PROJECT TRAINING (ON LIVE MACHINERY)

No.	Course Description	Duration	Hours	Fee Rs.	Eligibility
55	Water Treatment Plant	3 Months	180	2000	8th Std.
56	Soya Milk Extraction Plant	3 Months	180	2000	8th Std.
57	Bread, Bakery, Biscuit Plant	3 Months	180	2000	8th Std.
58	Power Press Plant	3 Months	180	2000	8th Std.
59	Pet Bottle Plant	3 Months	180	2000	8th Std.
60	Liquid and Granules Packing Plant	3 Months	180	2000	8th Std.

## WHY JOIN NSIC ?

- 100% Practical Oriented Training
- Government Certificate
- Placement Support through "Job Mela"
- Spare Capacity Available for Job work
- Well Equipment & Quality Faculty



# Training Calendar

## Financial Year 2025-26

### Sponsored Course of Gujarat

Sr. No.	Course Name	Batch Size (Nos)	Duration (Hours)	No of Hours per day	Fees per trainee (Rs.)
1	CNC Lathe - Programming & Operating	15	60	3	5000
2	VMC - Programming & Operating	15	60	3	5000
3	CNC Programming through Master cam	15	60	3	5000
4	Quality Control & Assurance	15	30	3	3000
5	3D Modeling using NX CAD	15	60	3	5000
6	3D Modeling using Creo	15	60	3	5000
7	AutoCAD	15	30	3	3000
8	3D Printing	15	15	3	2000
9	Digital Marketing & SEO	20	60	3	8000
10	Web Developer	20	60	3	8000
11	Computer Hardware & Networking	20	60	3	8000
12	Graphic Design using Adobe	20	30	3	5000
13	Word press with PHP	20	30	3	5000
14	PLC Programming	20	50	3	8000
15	Control panel wiring	20	50	3	6000
16	Home Appliances Repairing	20	50	3	6000
17	Basics of AC/ DC Drives	20	30	3	5000
18	Tally with GST	20	45	3	3500
19	Mobile & Laptop Repairing	15	45	3	5000
20	Entrepreneur Ship Development Program	20	50	3	4000
21	Industrial RO Plant	15	45	3	3500
22	CCTV Installation	15	45	3	4000
23	Python	20	45	3	6000
24	Cyber Security	20	45	3	5000
26	Core Java	20	45	3	4000
27	Certified Professional Photographer	20	45	3	10000
28	Certified office executive	20	30	3	5000
29	Computer operator	20	30	3	5000
30	ChatGpt – Mastering AI for students	20	30	3	8000
31	Fashion Designing	20	60	3	6000
32	Beautician Course	20	60	3	6000

**Note: GST extra as per the norms which is @18% at present**

### LBI - ATI & RAMP

Sr. No.	Course Name	Hours	Fees	Eligibility
1	Bread & Bakery Plant	180	8820	8 <sup>th</sup> pass
2	Biscuit & Cookies Plant	180	8820	8 <sup>th</sup> pass
3	Pet Bottle Manufacturing Plant	180	8820	8 <sup>th</sup> pass
4	Water Treatment Plant	180	8820	8 <sup>th</sup> pass
5	Soya Milk Extraction Plant	180	8820	8 <sup>th</sup> pass
6	Liquid & Granules Plant	180	8820	8 <sup>th</sup> pass
7	Mechanical Power Press	180	8820	8 <sup>th</sup> pass
8	Fashion Designing	180	8820	8 <sup>th</sup> pass
9	Beauty Parlor	180	8820	8 <sup>th</sup> pass

### LBI - Internal

Sr. No.	Course Name	Hours	Fees	Eligibility
1	Course on Computer Concepts (CCC)	125	3000	Intermediate

**Note: GST extra as per the norms which is @18% at present**

### Tool Room - Internal

Sr. No.	Course Name	Hours	Fees	Eligibility
1	CNC Lathe Operating & Programming	180	6000	Metric
2	CNC Milling (VMC) Operating & Programming	180	6000	Metric
3	CNC Turning + Milling (VMC) Operating & Programming	300	10000	Metric
4	AutoCAD	60	3000	Metric
5	Unigraphics NX CAD	180	9000	Metric
6	Unigraphics NX CAM	125	4000	Metric

**Note: GST extra as per the norms which is @18% at present**

----- END -----



# COMMON FACILITIES SERVICES

## DIESEL ENGINE TESTING

### ACCREDITATION AND APPROVALS

- NABL (ISO / IEC 17025) • Bureau of Indian Standards

### INDIAN STANDARD AVAILABLE FOR TESTING :

- IS 7347:1974 - Constant Speed Spark Ignition Engine for general and agricultural purpose up to 20 KW
- IS :11170:1985 - Constant Speed Diesel Engine for Agricultural Purpose up to 20 KW
- IS :10002:1981 - Constant Speed Diesel Engine for General purpose (above 20 KW)
- IS 10001:1981 - Constant Speed Diesel Engine for General Purpose (up to 20 KW)
- IS 13018:1990 - Method of Test for Pressure Charged Engine

Our lab capacity is up to 150 KW engine testing with 10 nos test beds with majority of them with eddy current dynamometer with latest technology .

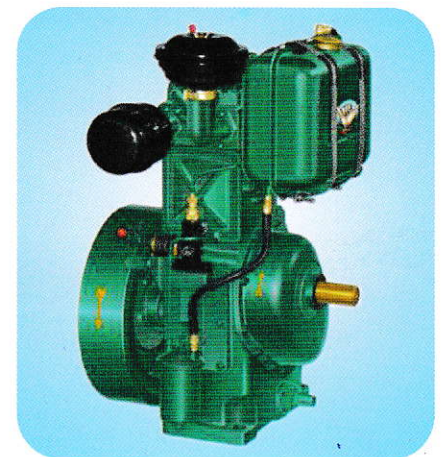
## MAJOR TESTING EQUIPMENT

### Engine Test Dyno

Test Bed	Equipment Description
1	AG150 Eddy Current Dynamometer capacity up to 150 kw
2	E125 Eddy Current Dynamometer capacity up to 75 kw
3	ATE 60-Spring Hydraulic Dynamometer capacity up to 36 kw
4	ATE 16-Load cell Hydraulic Dynamometer capacity up to 10 kw
5	AG10 Eddy Current Dynamometer capacity up to 8 kw
6	ATE 60-Load cell Hydraulic Dynamometer capacity up to 36 kw
7	AG5 Eddy Current Dynamometer capacity up to 4 kw
8	Rope Dynamometer capacity up to 10 kw
9	E-15 Eddy Current Dynamometer capacity up to 9 kw
10	Rope Dynamometer capacity up to 10 kw



## Major Customers :



## PUMP AND MOTOR TESTING

### ACCREDITATION AND APPROVALS

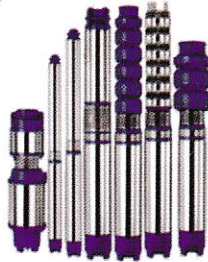
- NABL (ISO / IEC 17025) • Bureau of Indian Standards

#### INDIAN STANDARD AVAILABLE FOR TESTING :

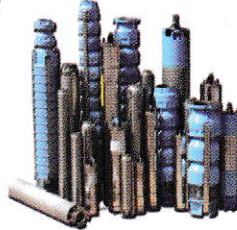
• Centrifugal pumps	IS-6595	Up to 20 KW
• Submersible pumps	IS-8034	Up to 100 KW
• Open well submersible pumps	IS-14220	Up to 100 KW
• Mono block Pumps	IS-9079	Up to 20 KW
• Engine Mono set	IS-11501	Up to 20 KW
• Regenerative Self priming Pump	IS-8472	Up to 2.2 KW
• Submersible Motors	IS-9283	Up to 100 KW
• Induction Motors	IS-325	Up to 100 KW
• Vertical Turbine Pump	IS-1710	Up to 26 KW
• Foot valves,	IS-10805	Up to 2"
• Single-phase a.c. industrial motors	IS-996	Up to 26 KW



Centrifugal Pump  
Up to 20 kw



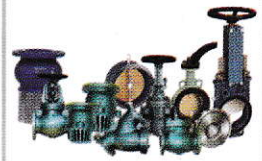
Submersible Pump Set  
Up to 100 kw



Submersible Motor  
Up to 100 kw



Engine Mono Set  
Up to 20 kw



Foot Valve  
Above 2"



Three Phase  
Induction Motor  
Up to 30 kw



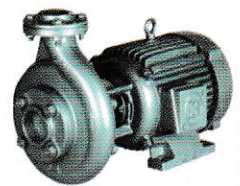
Regenerative Pump  
Up to 2 kw



Openwell Submersible  
Pump Set  
Up to 100 kw

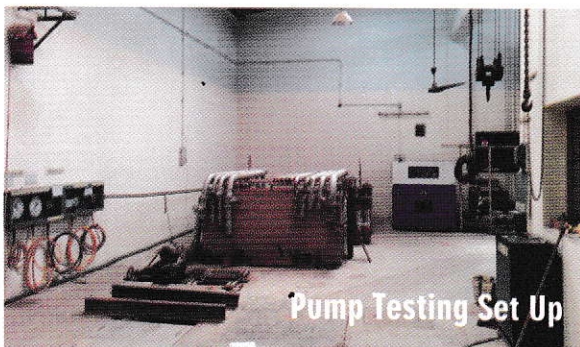


Single Phase AC  
Induction Motor  
Up to 26 kw

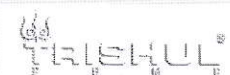


Electric  
Monoblock Pump  
Up to 100 kw

#### Major Testing Equipment



#### Major Customers :



## PLASTIC TESTING

### ACCREDITATION AND APPROVALS

- NABL (ISO / IEC 17025) • Bureau of Indian Standards

- |                                                                                                     |          |                                                                                                            |          |
|-----------------------------------------------------------------------------------------------------|----------|------------------------------------------------------------------------------------------------------------|----------|
| • Irrigation Equipment Emitting Pipe Systems                                                        | IS 13488 | • Irrigation Equipment - Quick coupled Polyethylene Pipes pipes & fittings for Sprinkler Irrigation System | IS 17425 |
| • HDPE Pipe for Water Supply                                                                        | IS 4984  | • UPVC Pipe for Soil & Water Discharge fitting                                                             | IS 14735 |
| • Irrigation Equipment Polyethylene Pipes For Irrigation Laterals                                   | IS 12876 | • UPVC Pipe for Soil and Water Discharge System                                                            | IS 13592 |
| • Unplasticized PVC Pipes for Water Supplies                                                        | IS 4985  |                                                                                                            |          |
| • UPVC Screen and Casing Pipe for bore/tube well                                                    | IS 12818 |                                                                                                            |          |
| • Chlorinated polyvinyl chloride CPVC fittings for potable hot and cold water distribution supplies | IS 17546 |                                                                                                            |          |
| • CPVC pipe for portable hot and cold water distribution supply                                     | IS 15778 |                                                                                                            |          |
| • Injection molded PVC socket fittings with Solvent cement joints for water supplies                | IS 7834  |                                                                                                            |          |

#### Major Customer :



## Solar Water Pump Testing Laboratory

- NABL (ISO / IEC 17025) • Bureau of Indian Standards

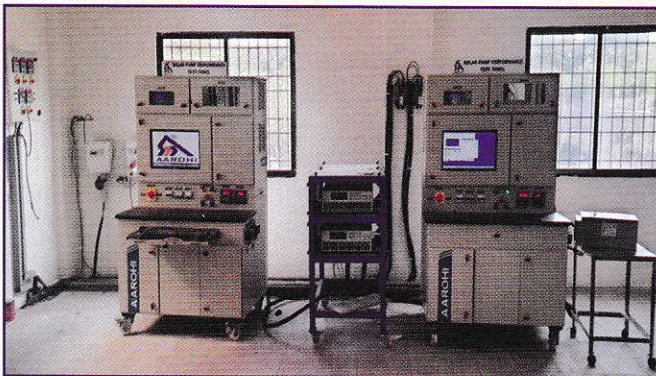
#### FEATURES :

1. Fully automatic solar pump testing set up with real time data acquisition.
2. Test facility as per MNRE/BIS Standard - 17018.
3. Testing Range : 1hp to 15hp solar pumps
4. Type of Pump to be tested : Submersible pump, Mono block.
5. Facility to test 2 pump at a time.
6. Test Covered :
  - I. Facility for realistic test setup
  - II. Facility for simulated profile (Hot & Cold)

#### Major Customer :



#### CONTROL ROOM



#### PUMP ROOM WITH UNDERGROUND TANK



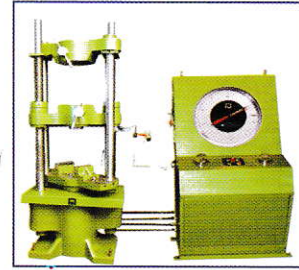
## MATERIAL TESTING

### ACCREDITATION AND APPROVALS

- NABL (ISO / IEC 17025)

- **Testing for Chemical Properties**

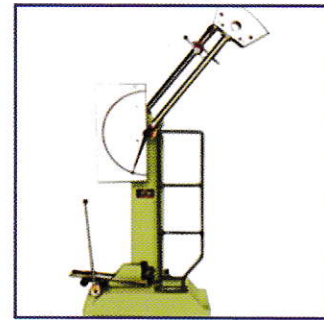
- o Elemental Analysis of ferrous and non ferrous metals
- o Elemental Analysis of cement & Foundry Materials
- o Testing of Ceramics and refractory materials
- o Ores and minerals
- o Fuels liquid and solids
- o Testing of paints, Coatings, & corrosion Resistant.
- o Water and Waste Water
- o Solid Waste and Hazardous Waste



UTM

- **Testing for Mechanical Properties**

- o Tensile Strength
- o Yield Stress
- o Elongation
- o % Reduction Area
- o Compressive Test
- o Flattening Test
- o Proof load Test
- o Breaking load Test
- o Bend and Re-bend Test
- o Welder Re-Qualifying Test
- o Cupping Test
- o Hardness Test



Izod Impact Test

- **Testing for Metallurgical Properties**

- o Micro structure of Metals
- o De-carburization and case depth
- o Spheroidization, Carbide banding, & segregations



Optical Emission Spectrometer

### Major Customers :



For Further Details Please Contact at following



National Accreditation Board for  
Testing and Calibration Laboratories

**CERTIFICATE OF ACCREDITATION**

**NSIC-TECHNICAL SERVICES CENTRE, THE NATIONAL  
SMALL INDUSTRIES CORPORATION LIMITED (A GOVT.  
OF INDIA ENTERPRISE)**

has been assessed and accredited in accordance with the standard

**ISO/IEC 17025:2017**

**"General Requirements for the Competence of Testing &  
Calibration Laboratories"**

for its facilities at

AJI INDUSTRIAL AREA, BHAVNAGAR ROAD, RAJKOT, GUJARAT, INDIA

in the field of

**TESTING**

Certificate Number: TC-7544

Issue Date: 07/03/2025

Valid Until: 06/03/2029

This certificate remains valid for the Scope of Accreditation as specified in the annexure subject to continued satisfactory compliance to the above standard & the relevant requirements of NABL.  
(To see the scope of accreditation of this laboratory, you may also visit NABL website [www.nabl-india.org](http://www.nabl-india.org))

Name of Legal Entity: The National Small Industry Corporation Limited

Signed for and on behalf of NABL



Anuja Anand  
Director

N. Venkateswaran  
Chief Executive Officer