

## Technology Support Services

### Plastic Processing Facilities

#### Microprocessor based Automatic Injection Moulding machines :-

STD 30-50,STM 100,ELECTRON 155,MAGNA-275,STM D 450,OMEGA SERVO-660  
PVC Injection Moulding Machine STM D 200,STM D 400

#### Automatic Blow Moulding Machine:-

Extrusion Blow Moulding – ½ Litre & 1 Litre Capacity (BE-H 500 – DS/DH,  
UMS 1000/H/1, TCM-1Litre, TCM – ½ Litre  
PET Blow Moulding (250 ml to 5 Litre Capacity)

#### Extrusion Process :-

HDPE Pipe Extruder – 63 to 200mm dia (SMT 45HD 200)  
Blown Film Plant – upto 800 mm Lay Flat Width

#### Roto Moulding Process :-

Roto moulding Tanks – upto 200 Litre capacity (Vinodrai – 200 Ltr)

And other M/Cs like Vacuum forming, Compression moulding, Welding M/c etc.



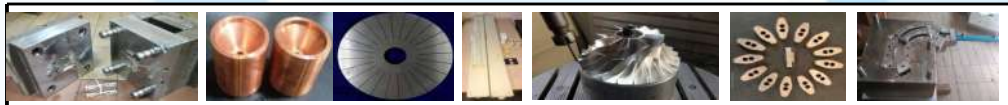
### Tool Room Facilities

CNC Milling Machine (AMS); MCV 350), CNC Lathe Machine (GEDEE WEILER ; UNITURN 500), CNC Wirecut (Electronica; enova 1 S), CNC Milling Machine-VF2 (HASS), CNC Lathe Machine-OL1 (HASS), CNC Milling Machine-AMS 850V (ACE Micromatic), CNC WEDM Machine-TOOL MASTER 6S (Electronica) and other conventional machines like Horizontal Milling Machine, Cylindrical Grinding Machine, Vertical Milling Machine, Lathe Machine, Shaper Machine, Drilling Machine etc.



### Testing Facilities

Universal Testing Machine (UTM), Differential Scanning Calorimeter(DSC), Moisture Analyser, Melt Flow Index tester, Microprocessor Based HDT/VSP Apparatus, Automatic Hydrostatic Pressure Tester, Burst tester for uPVC Pipes, Environmental Chamber, Reversion Oil Bath, SCG Notch Cutter, Opacity Meter, Electric Heated Press, Deep Freezer (Low Temp Cabinet), CBC Apparatus, CBD Tester, Impact Tester for Pipe, Contour Cutter, Hot Air Oven , Muffle Furnace, Melting Point Apparatus (Digital) etc.

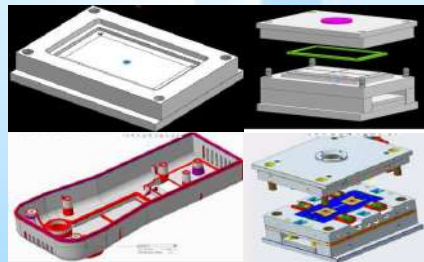


### Design & CAD/CAM/CAE :

- Design & Development of Injection, Blow, Compression, and Transfer mould
- Product Development
- Product / Mold Design Validation
- Rapid Prototyping
- Plastics Products Design

### Consultancy / Project Work :

- Laboratory Set-up at Industries
- NABL Accreditation of the Laboratories
- Capacity Assessment of Industries
- Technical support for the development of new entrepreneurs
- Selection & Development of Materials, Moulds & Machines
- Technical support for the development of the Industries



## Our Collaborators



## Our Elite Recruiters



# INFORMATION BROCHURE

सिपेट : सीएसटीएस, भुवनेश्वर



CIPET : CSTS, BHUBANESWAR

सिपेट CIPET



## CENTRAL INSTITUTE OF PETROCHEMICALS ENGINEERING & TECHNOLOGY

Department of Chemicals and Petrochemicals, Ministry of Chemicals & Fertilizers, Govt. of India

### CIPET : Centre for Skilling and Technical Support (CSTS)

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## CIPET : CENTRE FOR SKILLING AND TECHNICAL SUPPORT (CSTS)

**CIPET : CSTS - Bhubaneswar** is present in the "Temple City of India". CIPET: CSTS - Bhubaneswar was established during August, 2005 by virtue of Memorandum of Understanding (MoU) between Govt. of Odisha and CIPET. The sole purpose of the establishment of the Centre in the Industrial Estate of Mancheswar, Bhubaneswar was to reach out to the key sector by way of Technical Assistance and Skill Training to the Government ITI's, Engineering Schools & Polytechnics through faculty Development, Improvisation of Curriculum.

**CIPET: CSTS - Bhubaneswar** is playing a vital role in the direction of Skill Development Training programmes & as well as Placement linked Training Programmes for the unemployed economically weaker section youth of numerous categories (SC, ST, WOMEN, PWD, BPL, OBC, North East, UR etc.) of the country and providing them self/wage employment in the plastics & its allied industries. CIPET is offering 13 nos. of courses as per MES Modules of DGET & 36 nos. of courses as approved by NSQF of NSDA, New Delhi.

**CIPET : CSTS - Bhubaneswar** has been running AICTE/NCVT approved Long Term program like Diploma and ITI level programs to cater to the needs of technical manpower of the industries.



## CIPET: PLASTICS PRODUCT EVALUATION CENTRE (PPEC) - PARADIP

Plastics Product Evaluation Centre (PPEC), an exclusive Centre (a sub centre of CIPET: CSTS, Bhubaneswar), is located at Paradip, Jagatsinghpur District in Odisha. The service centre will provide Technical Support Services for the new upcoming industries in Plastic Park. State-of-the-art infrastructure facilities in Design, Advanced Tool Manufacturing, Plastic Processing (Injection molding, PVC Injection molding, Extrusion Blow molding, Stretch Blow Molding, Thermoforming and Extrusion) facilities is created, and raw material and finished product testing, which will play a big support for the growth of the plastic and allied industries in the region, provide Skill upgradation / Reskilling as per Plastic industry requirements in the region.



## CIPET: CSTS, BHUBANESWAR SKILL TRAINING CENTRE AT BPUT, ROURKELA, ODISHA

The 25th RAC meeting of CIPET-Odisha held on 10.02.2020, approved the proposal to conduct Skill Development Training Programme at BPUT, Rourkela campus exclusively for unemployed tribal youth from the districts like Sundargarh, Jharsuguda, Bargarh & Sambalpur etc. The skill training programme have been commenced exclusively for tribal unemployed youth of the region under the esteemed sponsorship of Odisha Skill Development Authority (OSDA), Govt. of Odisha and M/s DMF, Sundargarh, Govt. of Odisha at BPUT campus, Rourkela. Several batches of trainees have passed out successfully and placement is being provided to them in the plastics and allied industries.

### SKILL TRAINING

- Skill Development Training Programmes @ Level - III / Level-IV of NSQF on Plastics & allied areas.
- Skill Development Training Programmes @ Plastics Processing, Testing & Quality Assurance, Tool Room, Design & CAD/CAM/CAE
- Skill up-gradation training Programmes @ Tailor made training programmes & Short-term Courses
- Seminars / Webinars for Industries / Researchers / Academicians
- Summer Internship & project work for UG / PG students
- Value added programmes @Auto-CAD, Cero, CATIA, CNC Lathe & Milling etc.

## LONG TERM PROGRAMMES (Approved by AICTE)

Trade	Intake Capacity	Duration	Entry Qualification
<b>DIPLOMA IN PLASTICS MOULD TECHNOLOGY (DPMT)</b>	<b>60 Nos.</b>	<b>3 years</b>	<b>10th Standard Fulltime</b>

## ITI PROGRAMMES (Approved by DGET / Govt. of Odisha)

Trade	Intake Capacity	Duration	Entry Qualification
<b>Fitter</b>	<b>60 Nos.</b>	<b>02 Years</b>	<b>10<sup>th</sup> Pass &amp; above</b>
<b>Electrician</b>	<b>60 Nos.</b>	<b>02 Years</b>	<b>10<sup>th</sup> Pass &amp; above</b>
<b>Welder</b>	<b>40 Nos.</b>	<b>01 Year</b>	<b>8<sup>th</sup> Pass &amp; above</b>

## SKILL DEVELOPMENT TRAINING PROGRAMMES (As Per NSQF Modules)

NAME OF THE TRADES	ELIGIBILITY	DURATION
Machine Operator - Plastics Processing	10 <sup>th</sup> Pass & above	6 Months
Machine Operator - Injection Moulding	10 <sup>th</sup> Pass & above	6 Months
Machine Operator - Plastics Extrusion	10 <sup>th</sup> Pass & above	6 Months
Machine Operator - Blow Moulding		6 Months
Maintenance of Machinery - Technician	10 <sup>th</sup> Pass & above	6 Months
Machine Operator - Tool Room	10 <sup>th</sup> Pass & above	6 Months
Plastics Mould Manufacturer	10 <sup>th</sup> Pass & above	6 Months
Machine Operator & Programmer - CNC Lathe	10 <sup>th</sup> Pass & above	6 Months
Machine Operator & Programmer - CNC Milling	10 <sup>th</sup> Pass & above	6 Months

## GLIMPSES OF OUR VARIOUS ACTIVITIES

