

JANUARY 2008

Coimbatore Industrial Infrastructure Association

Welcome To COINDIA...

We enable people to meet each other, businesses to find new markets and everyone to fulfill their potential. One of the successful clusters in India, COINDIA executes various projects across Coimbatore, in state-of-the-art centres that are professionally managed.

Our customers enjoy the latest technologies with extensive overall manufacturing capabilities in the best Industrial Infrastructure.



Education cum Training Centre at Avarampalayam, Cbe 4

Discover all we have to offer...

Product Die & Mould Centre | Rapid Prototyping (Sandmould & Core) | Common Infrastructure for Foundry Park for Micro, Small & Medium Units at 3 Locations | Benchmarking of International Brand Pumps & Motors - Gearing up for Global Competence | Engineering Software Training - CAD/CAM/CAE | Technology Training - Skill Up gradation & On the Job Training | Up - Gradation of Testing Facilities at SiTarc

The President Message



Indeed a pleasure to get in touch with you all once again, when our updates is graduating to a compendium enabling COINDIA to communicate its relevance to benefiting members and others. Latest in the feat of COINDIA is the RPT machine, being procured

from EOS GmbH, Germany which is going to be the first of its kind in South India. Indeed, the dedication of various facilities, I repeat the common facilities, are almost over. Now, it is the turn of micro, small and medium industrial units of our region to make use of various infrastructure facilities to the betterment of Coimbatore industrial scenario. Elsewhere in the industrial history of telecommunications, the invention of GSM was spearheaded by a group of like-minded Companies across Europe for the betterment of society in the world. Selfsame, intermutual working is also possible in pump, motor and foundry industry related product development and research for which COINDIA is most suited to act as a common platform, so that hitherto unexplored areas of product innovation and engineering will be a reality sooner than later.

I take you through a journey called 'COINDIA' with this compendium.

I am fortunate enough and feel proud to avail co-operation of Office Bearers of COINDIA, SIEMA, COSMAFAN, COFIOA, IIF. Cbe - Chpr., and SIRUTHULI and our special thanks to Govt. of India and Government of Tamil Nadu and the donors, who have liberally contributed to COINDIA.

With Warm Regards

G. RAJENDRAN
President
COINDIA

COINDIA Committee

Office Bearers

Sri. G. Rajendran
President

Sri. C.R. Swaminathan,
Vice President

Sri. D. Balasundaram
Vice President

Members

Smt. Vanitha Mohan

Dr. G. Ranganathan
Technical expert / Resource person

Sri. A. Murugesan

Sri. P.S. Raghunathan
Chief Financial Officer - COINDIA

Sri. Mahendra Ramdas

Sri. C.R. Shanmughasundaram

Other Important Members

Sri. A. Siva Shanmugha Kumar

Sri. N. Balraj, President, COSMAFAN

Sri. B. Srinivasan

Sri. R. Vellingiri, Spl. Invitee

Sri. Chanchal Kumar, I.A.S

Sri. R.R. Balasundaram,
Chairman, Inauguration Sub-Committee

Sri. Shashi Ranjan Kumar, I.A.S.
Representing Govt. of India

Sri. Jayakumar Ramdass,
Chairman-Membership Sub-Committee, COINDIA

Sri. S. Asokan, BE(Hons), M.Tech., FIE.,
PGDPrM., MISTE, AFIEE, C.Eng(I),
GM - DIC, Cbe
Representing Govt. of Tamil Nadu

Sri. S.V. Jagadeesan
Chairman - IIF, Cbe Chpr.

Dr. R. Rudramurthy
Representing R&D Institution

Sri. George Joseph Thanaraj, BE (Mech)
Resource Person for Technology

Financial Highlights

Investment in Various Infrastructure

1. Infrastructure for Foundry Industries - Common Facilities - Rs. 11 crores
2. Product Die & Mould Centre & RPT - Rs. 10 crores
3. Modern Tool Rooms at 2 Locations - Rs. 21.5 crores
4. Training Infrastructure - Rs. 6 crores
5. Upgradation of Testing Facilities & Infrastructure at Si'Tarc - Rs. 5.5 crores
6. Business & Information Centre - Rs. 2 crores

RPT

Rapid Prototyping

Rapid Manufacturing through Laser Sand-Sintering.

Fast, flexible, and cost-efficient production of tools and end products directly from electronic data.

Modern production requires automated production methods. Laser-sintering, a generative-layer manufacturing technology, is one of these. Without tools, this EOS technology generates any three-dimensional geometry efficiently and flexibly.

The process offers such advantages as functional integration and considerable design freedom; laser-sintering produces nearly any shape, no matter how complex. Furthermore, it allows for the toolless production of hundreds of products in each automated process cycle.



Lineaments

- Building Speed upto 2500/CM3/h
- Build Volume 720mm x 380 mm x 380 mm
- Automatic Sand Recycling
- Double Laser sintering system - Tool less production of Sand
- Core and Mould for Metal casting
- Direct Cast Method



Additionally.....

- Handling Steel, SS, SG Iron, Cast Iron and Aluminium
- Development of casting for engine blocks, cyclinder head, pump mixed flow casting, impeller, exhaust materials with pattern and core box making



COINDIA Modern Tool Room

Established to cater to the needs of engineering industry in making of Tools, Dies & Mould and Machining by providing quality tools and precision machining facilities.

COINDIA Modern Tool Room offers a wide range of services especially to small scale industries.

- Design of dies & tools, moulds, jigs & fixtures, gauges etc. as per latest international standards for engineering industry.
- Designs to the customer requirements
- Backed by a full-fledged CAD/CAM/CAE design centre
- Innovations for improved product-design
- Skill up gradation of tool-designer
- Designing and Development of Products



Key Technical Features of Select Machines

CNC MILLING

1. DMG Germany - Model DMC 64 V Linear
 - XYZ Travel - 640 X 600 X 500
 - Clamping Area - 850 X 600
 - Spindle Speed - 12000 rpm
 - Tool Taper - SK 40
 - Machine Controller - HEIDEN HAIN TNC530
2. LMW India - Model L Mill 55
 - XYZ Travel - 575 X 410 X 460
3. HAAS - USA - Model TMI
 - XYZ Travel - 762 X 305 X 406
 - Spindle Speed - 4000 rpm
 - Tool Taper - BT 40



CNC WIRE EDM

1. Agie Charmilles Swiss - Model Robofil 240SL
 - XYZ Travel - 350 X 220 X 220
 - Max. Wt on Table - 750Kg
 - Max. Cutting Speed - 300 mm2/min



CNC LATHES

1. Hwa Cheon Korea - Model VT350 (Vertical)
 - Max Turning Dia/Length - 350 X 350
 - Spindle Speed - 30 to 2500 rpm

CONVENTIONAL MECHINES

1. Centre Lathe - HMT Model NH22
 - Max Turning Dia x Length - 500 X 1000
 - Spindle Speed - 20 - 1020 rpm
2. Centre Lathe - PSD Model A124
 - Max Turning Dia X Length - 210 X 1500
3. Universal Milling BFW Model UF2
 - XYZ Travel - 800 X 230 X 400
 - X & Y axes on DRO
 - Micro Boring & Facing Head
4. Vertical Milling Model TRM 3V
 - XYZ Travel - 760 X 305 X 400
 - X & Y axes on DRO
5. MMT Cylindrical Grinder GEU 260 X 800
 - Max Grinding Dia x Length - 260 x 800
 - 1 Micron Spindle Variable Speed Drive



6. Tool & Cutter Grinder - HMT Model GTC 28BT
 - Wheel Size 200 x 20 x 31.75
7. Radial Drilling Batliboi Model 615
 - Drilling Capacity in Steel - 60mm Dia
 - Box Table - 1000 x 750 x 500
 - Eifco Model - Capacity in steel 38mm Dia
 - Eifco Model - Capacity in steel 25mm Dia
8. Bench Grinding All Win 1 Hp - 2Nos

QUALITY SYSTEM EQUIPMENTS

1. Trimos Vectra VT 600 MA Model Co-ordinate Height Gauge
2. Surface Roughness Tester - Mitutoyo SJ201E Model
3. Coordinate Measuring Machine
 - XYZ Travel - 600 x 1000 x 500
 - Renishaw MH 20I Touch Trigger Probe



Engineering Software Training

Engineering Training Centre has been set up with the objective of imparting quality Training in CAD/CAM/CAE with latest software to the growing Engineering Industry Work Force.

COINDIA Engineering Training Centre offers long and short term Courses in Tool & Die Design and Manufacturing in CAD/CAM/CAE.

Courses on

- Pro-E
- Master Cam
- Unigraphics
- Solid Edge
- Nastran
- Ansys

Unique aspect of the training is the
ON THE JOB CONTENT

* COINDIA has tied up with M/S Richmond Cad Solution for Imparting Engineering Training



Design Centre

The Design Centre of COINDIA Modern Tool Room is fully equipped with latest Hardware & Software.

We understand the skills needed to be successful and the individual needs of manufacturing companies. Whence, providing you with expertise in key design engineering methods and technologies and access to support functions that help businesses explore and diversify into new areas of development.

Software Used for Designing the Tools

- Auto Cad
- Pro-E
- Master Cam
- Uni Graphics
- Mould Flow
- Solid Cast
(Flow Cast & Optic Cast)
- CFD Analysis
- Image ware



Small Industries Testing and Research Centre

(NABL Accredited Institution)



Optical Emission Spectrophotometer

Enhancing the Testing & Calibration facilities of Si'Tarc benefits the Micro, Small and Medium scale Units of the engineering industry in Coimbatore region.

- Only centre capable of testing large range of parameters.



Atomic Absorption Spectrophotometer

Testing Services on

- Chemical Analysis
- Electrical Engineering
- Mechanical Engineering
- Calibration of Instruments
- 3D modeling & 2D Drawing of Companies making precision components
- Computer Hardware Training

Si'Tarc Pump Institute

- Prototype Development Tool Room

Business and Information Centre “Marketing Facilities”

Located in full-service, professional business environments, COINDIA meeting facilities have everything you need to make your business meeting as productive as possible. Each of our purpose - built meeting rooms, training rooms and conferences rooms are available on demand by the hour, half day or day.

Facilities

- Board Room
- Conference Rooms
- Training Rooms
- Video Conferencing Rooms
- Audio Conferencing



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11nd Floor, SIEMA Building, 8/4, Race Course, Coimbatore 641 018

Phone : 0422 4394128, 4394227, Fax : 4204328, Email : venkatesh@coindia.in

CONTACT : Mr. K. Gunabal, Deputy Director, Unit I

83-84, Avarampalayam Road, K.R. Puram P.O., Coimbatore 641 006, Phone : 0422 2562612



Infrastructure for Tiny & Small Foundry Units

Common Infrastructure at Foundry Complex I, II & III

- Office Building
- Meeting Hall
- Library
- Laboratory
- Metal Roads
- Cre'ch / Canteen Building
- Weigh Bridge
- Overhead Tank, Sump, Pipe Lines
- Skills Set Development & Training

Area

Road : 75,000 Sq. Feet
Building : 18,000 Sq. Feet



Foundry Complex III, Manikkampalayam 55 acres



Foundry Complex II, Kallappalayam 25 acres

Workers Training Facilities

Technology Training - Skill Upgradation and On the Job Training for

- Various foundry industry workers - Tiny & Small Foundry development
- Various pump & motor industry workers - benefiting SMEs

Technology Upgradation

International brands of Motor pumps - benchmarking the performance parameters enabling domestic manufacturers to cope with / enhance.



Foundry Complex I, Arasur 102 acres





Sri. C.R. Shanmugasundaram, Chairman, Physical Infrastructure Sub Committee of COINDIA declares open the Workshop on Pump Technology on 11.04.07



A section of participants on Workshop on Pump Technology including Dr. Srinivasan, PhD - Deen - KCT College, Coimbatore.



Sri. G. Rajendran, Convener, Joint Action Committee - BIS addressing the participants.

DISCUSSION & MEETINGS



Discussion with MSMEI, Chennai on the Skill Development Vocational Training and Employment on 21.11.07



Discussion with MSMEI, Chennai on the Skill Development Vocational Training and Employment on 21.11.07 along with Office Bearers of SIEMA & IIF, Coimbatore Chapter



COINDIA & SIEMA Joint Seminar on E-Filing of Tax





Weekly Technical Meetings of SIEMA attended by Sri. G. Rajendran, Chairman, Technical Panel Board



Meeting with officials from State Bank of India
Discussion about financial support to the SMEs



BIS - ET- 15 Panel Meeting
jointly by COINDIA & SIEMA

DISCUSSION & MEETINGS



Board of Apprentice Meeting jointly by COINDIA & SIEMA



Foundry Complex-III-Manickampalayam -
Land Registration on 16.11.07



Second Committee Meeting held on 1.11.07



Signing of Working Arrangement Agreement with Si'Tarc on 22.10.07.



Working Arrangement Agreement on Software CAD/CAM/CAE Training with RICHMOND CADD Solutions on 9th Nov. 2007



Issue of Letter of Indent for the procurement of Rapid Prototyping Machine to EOS GmbH, Germany on 15.12.07

WORKING ARRANGEMENTS



President explaining the details of working arrangements to the Office Bearers and Members of COSMAFAN and COFIOA under presidency of Sri. K. Subbrayan, MP on 31.10.07



Signing of Working arrangement Agreement with COSMAFAN on 31.10.07



Meeting on Working arrangement Agreement with COSMAFAN on 31.10.07



Rs. 1.21 crores of Grant received from GoTN for the Common Facility Centre handed over during 54th All India Co-operative Annual Day Celebration, by Hon'ble Minister Sri. Pongalur N. Palanisamy, Sri. R. Venkatachalam, Worshipful Mayor, Sri. Niraj Mittal, Collector, Mr. S. Asokan, GM-DIC and Office Bearers of COINDIA and SIEMA are also seen.



President met Hon'ble Minister for Commerce & Industry Sri. Kamal Nath along with Hon'ble Minister Sri. E.V.K.S. Elangovan, Sri. K. Subbarayan, MP at New Delhi



President met Hon'ble Union Finance Minister Sri. P. Chidambaram along with Sri. K. Subbarayan, MP & Sri. D. Raja at New Delhi

MEETINGS WITH MINISTERS & DIGNITARIES



President met Hon'ble Minister of State for Industry Dr. Ashwani Kumar along with Sri. K. Subbarayan, MP at New Delhi



President met Secretary to Govt. DIPP, Sri. Ajay Shankar along with Sri. K. Subbarayan, MP at New Delhi



Visit of Industries Commissioner and Director of Industry and Commerce Sri. Rajeev Ranjan, IAS to COINDIA facilities.



Meeting with Sri. Bruno Valanzuolo, Chief Tech. Advisor and Daniel James of UNIDO - discussion on SiTarc Facilities under COINDIA Project



Visit of Members of COINDIA and COSMAFAN to Foundry Complex-III, Manickampalayam on 16.11.07.



Field Visit of Members to COINDIA Modern Tool Room on 3.11.07

FIELD VISITS



Visit of IPMA Members to SiTarc and COINDIA Facilities



Visit of SME Entrepreneurs from Rurekela arranged by DIC Coimbatore on 13/3/07



Visit of Foreign delegates to COINDIA Facilities on 13/2/07





Sri. J. Gowrishankar, Chairman, International Samples & Benchmarking Sub-Committee of COINDIA, addressing National Conference on Pumps on 22nd Dec. 2007.



Sri. V. Krishnakumar, Member, Technical Sub-Committee of COINDIA, addressing National Conference on Pumps on 22nd Dec. 2007.



Sri. Jayakumar Ramdass, Chairman, Membership Sub-Committee of COINDIA and Event Chairman of CII, addressing National Conference on Pumps on 22nd Dec. 2007.

CONFERENCE & HOUSEWARMING



Sri. P.S. Raghunathan, Chief Financial Officer of COINDIA, presented about COINDIA Cluster Project at the National Conference on Pumps on 22nd Dec. 2007.



Housewarming Ceremony of PDMC held on 13.12.2007



Past President of SIEMA Sri. N. Duraiswamy, Sri. R. Vellingiri, Sri. R.R. Jaganathan visited and blessed COINDIA Modern Tool Room on 13.12.2007



Formal Housewarming Ceremony held on 13.12.07, attended by Past Presidents, Presidents, OBs and Members of COINDIA and SIEMA



Housewarming ceremony of Additional Building facilities at Si'Tarc on 13.12.07



President and CFO greeting COSMAFAN Members on Industrial Visit to Gujarat

DISCUSSION MEETINGS

Site Meetings - Work Progress reviews : 4th July – at Arasur, 19th July- at Arasur, 24th July – at M'palayam, 3rd August – at Arasur, 27th August – PDMC 28th August – PDMC, 17th Sep – PDMC, 2nd Nov -PDMC, 12th Nov - PDMC, 16th Nov – site visit to M'palayam, 23rd Nov., 10th Dec. 2007 at PDMC.

TECHNICAL

Technical Sub Committee Meeting for Tender 39, 40 & 41 on 20th July 2007.

PURCHASE SUB COMMITTEE

9th July for Tender 39, 40 & 41, 31st Aug - Misc. Purchases, 23rd Nov. - Interior and additional civil works at Si'Tarc, 24th Dec.07-RPT, 11th Jan. 08

FINANCE SUB COMMITTEE MEETING

21st August, 24th Dec. 2007

PHYSICAL INFRASTRUCTURE SUB COMMITTEE MEETING

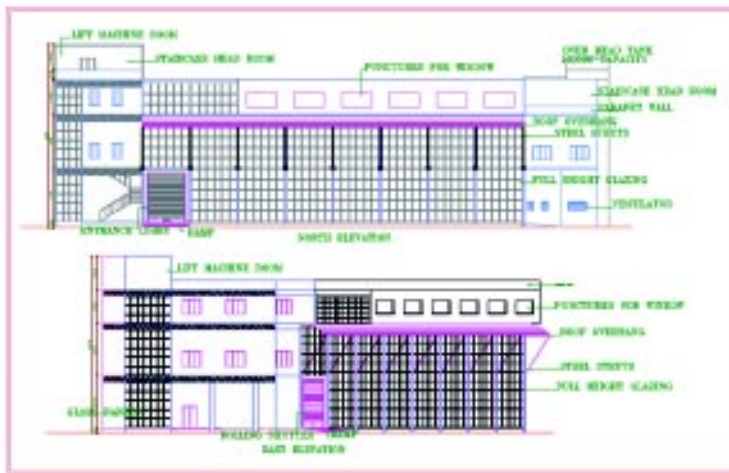
9th July, 9th August with Architect Shri. Sarath C. Kanth, Design Tech, 26th Oct, 23rd Nov. 2007.

INAUGURATION SUB - COMMITTEE : 5th, 12th, 19th, 24th, 30th Nov. & 10th Dec. 2007

BENCH MARKING : 14th May, 21st May, 18th June, 2nd Nov,

OTHER MEETINGS

- 11th July - Tool Room Training
- 21st July - Meeting with Viswanathan Constructions to review the progress,
- 23rd July - Office Bearers Meeting
- 27th July - Office Bearers Meeting
- 01st Aug - Engineering Software Outsourcing with Diagonal CADD
- 03rd Aug - Office Bearers Meeting
- 19th Sep - Meeting with Oriental Software Pvt Ltd
- 22nd Sep - Meeting with IPMA Members
- 27th Sep - Office Bearers Meeting
- 08th Oct - Meeting with MAKINO - METI clearance
- 11th Oct - Meeting with Chartered Engineer Shri. K. Kandaswamy
- 16th Oct - Meeting with COSMAFAN & COFIOA - future plans
- 17th Oct - Meeting with COSMAFAN
- 31st Oct - Meeting with COSMAFAN
- 13th Nov - Meeting with COFIOA
- 19th Nov - Meeting with UNIDO
- 21st Nov - Meeting with MSMEDI
- 22nd Dec - Ideation Meet on Revenue Opportunities of CMTR

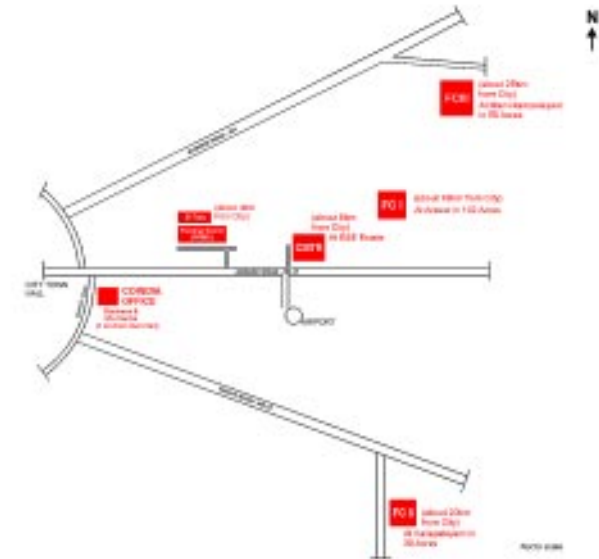


Elevation of Proposed CMTR Unit II at E&E Estate, Peelamedu, Cbe

EXHIBITION CUM DISPLAY CENTRE - COINDIA COMPLEX



MAP INDICATING THE LOCATIONS OF COINDIA PROJECT



Coimbatore Industrial Infrastructure Association

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New COINDIA office at Race Course



Renovated ND Hall at Race Course



Video Conference Studio at Race Course