



CC IPL

• PETRO CHEMICAL

• MANUFACTURING

• ENERGY

+91 94440 27141

TRUSTED **SINCE 1990** FOR **INSTRUMENTATION**

Years of Precision in Industrial Instrumentation & Electrical Excellence.



Integrated
Channel Partner

WWW.CCI-PVT.LTD

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Chalcedony

Controls & Instrumentation Pvt. Ltd.,



Chalcedony Controls & Instrumentation Pvt. Ltd. (CCIPL) stands as a trusted name in the field of industrial instrumentation and electrical engineering, [with a legacy, since 1990](#). What began as a partnership firm has evolved into a professionally driven private limited company, delivering high performance engineering solutions across complex industrial environments.

With over three decades of experience, CCIPL has consistently expanded its capabilities to serve a wide spectrum of industries including [petrochemical, oil & gas, pharmaceuticals, power generation, and manufacturing sectors](#) and

Our strength lies in an seamlessly integrating engineering design, procurement, installation & commissioning into a unified execution model.

Over the years, we have built strong technical alliances and industry relationships, enabling us to deliver advanced, future-ready solutions tailored to evolving industrial requirements. Our approach is rooted in precision engineering, operational efficiency, and long-term reliability, making us a preferred partner for critical and large-scale projects.



ITC Ltd., Recovery Boiler, Bhadrachalam

Our → Vision

01

To emerge as a premier solution provider for instrumentation and electrical engineering across industrial and commercial sectors, delivering complex and high-value projects with precision and technical excellence

02

To consistently uphold uncompromising standards in quality, safety, and execution, ensuring every project is delivered on time, within budget, and with enduring trust among all stakeholders.



Our Mission →

Our mission is to deliver exceptional instrumentation and electrical solutions by seamlessly aligning engineering excellence with client expectations and industry standards. We focus on understanding project requirements in depth, enabling us to design and execute solutions that are both technically sound and operationally efficient.

01

We use the right tools and proven methods to deliver accurate results at every stage. With proper planning and a strong focus on quality, we ensure every project runs smoothly and delivers reliable performance.

02

We work with skilled teams, follow strict quality standards, and provide dependable support even after project completion. Our goal is to keep systems running smoothly and ensure long-term client satisfaction.



ITC Ltd., Bhadrachalam



Chemplast Sanmar Ltd.,

Core Strength →

CC IPL's core strength lies in its 34+ years of industry experience, strong execution capability, and end-to-end project ownership from design to final commissioning. Backed by a skilled engineering team, we ensure every project is delivered with a clear focus on safety, quality, and timely completion. Our consistent performance, long-term client relationships, and repeat business reflect the trust we have built through reliable and value-driven engineering solutions.



ITC Ltd., Bhadrachalam



ITC Ltd., Bhadrachalam

Instrumentation Capability ➞

1. Panel & Field Instrumentation:

Supply, installation, and configuration of a range of instruments to measure and control temperature, level, flow, pressure, and more, ensuring precise performance and seamless integration for reliability.

a) Temperature Sensors: RTDs, thermocouples, and transmitters

b) Level, Flow & Pressure

Sensors: Various transmitters & control devices for precise measurement

c) Control & Solenoid Valves:

High-quality valves for accurate fluid and gas control.

d) Converter & Actuator:

Integration of pneumatic & electronic actuators

2. Integration with Control

Systems: Skilled integration with PLC & DCS-based control systems, both conventional & Foundation Fieldbus systems

3. Cabling and Loop Checking:

Ensuring proper communication between instruments and control systems

4. Testing & Calibration:

Precision testing & calibration for all field instruments to guarantee accuracy and performance

5. Documentation and Training:

Detailed documentation for each project phase and client training for seamless system operation

Electrical Capability ➞

1. Switchyards: Execution of switchyards up to 110KV for efficient power transmission.

2. Captive Power Plants and Transformers: Integration of captive power systems and transformers for stable and uninterrupted power supply.

3. Earthing & Lightning Protection:

Installation of protection systems to ensure safety of equipment and personnel.

4. Bus Ducts & Switchgear

Panels: Deployment of bus ducts and switchgear panels up to 11KV for controlled and reliable power distribution.

5. Lighting Systems:

Design & Install efficient lighting solutions for safe and effective industrial operations.

6. Cabling and Interlock Systems:

Structured cabling and interlock setups for seamless connectivity and controlled operations.

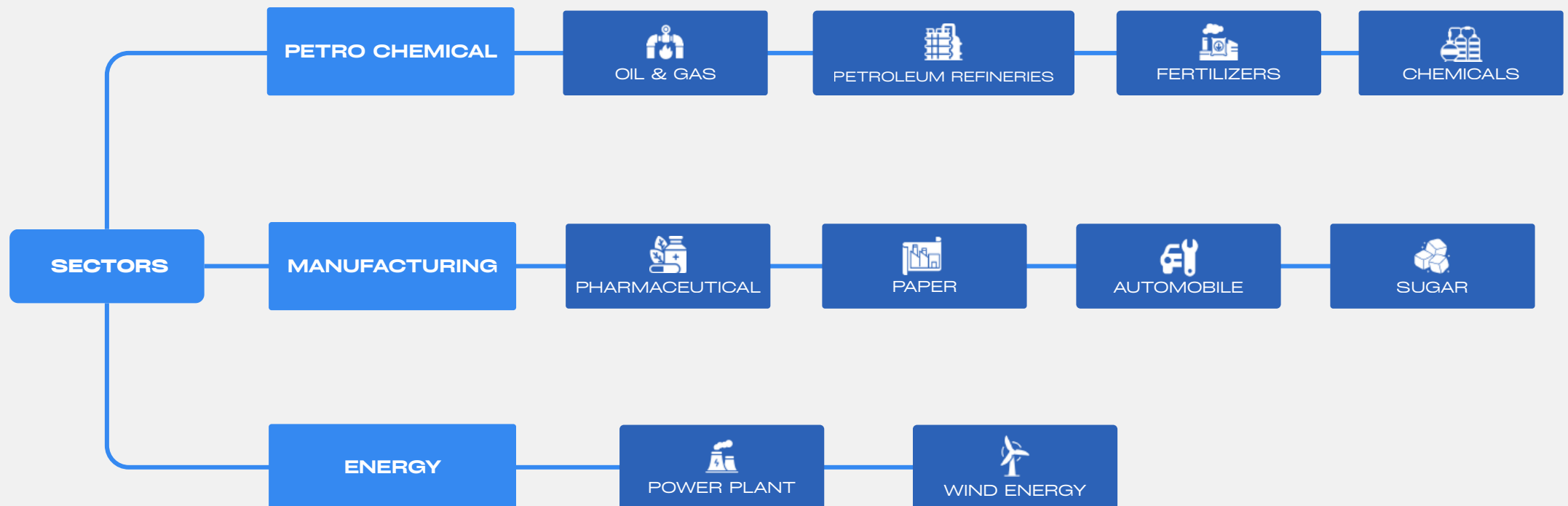
7. Synchronizing Systems:

Execution of systems for reliable grid-parallel operation and efficient power source coordination.

8. Testing and Commissioning:

Final testing and commissioning to ensure system readiness, safety, and performance.

Operational Sectors



Commitment to Quality & Reliability

Quality and reliability are at the core of every project we undertake. CC IPL follows a disciplined approach to engineering and execution, ensuring that all deliverables meet stringent industry standards and client expectations.

Our processes are driven by detailed planning, systematic execution, and continuous monitoring, ensuring that projects are completed on time without compromising on quality. We prioritize safety at every stage, implementing strict protocols and best practices across all operations.

Our commitment extends beyond project completion. Through continuous support and maintenance readiness, we ensure long-term system performance, operational stability, and customer satisfaction—resulting in strong client retention and repeat engagements.



Tools and Tackles

- | | | |
|------------------------------------|---------------------------------------|--|
| 1. Calibration kits | 17. Pressure calibrator pumps | 33. Soldering and desoldering stations |
| 2. Pressure & temperature testing | 18. Flow measurement test kits | 34. Labeling and tagging machines |
| 3. Loop calibrators | 19. Signal generators | 35. Portable generators |
| 4. Digital multimeters | 20. Oscilloscopes | 36. Air compressors |
| 5. Clamp meters | 21. Cable pulling winches | 37. Welding and fabrication tools |
| 6. Process calibrators | 22. Cable rollers | 38. Alignment & leveling instruments |
| 7. HART communicators | 23. Fish tapes and cable pulling rods | 39. Safety gear and PPE |
| 8. Temperature calibrators | 24. Heat guns | 40. Oil test kits (BDV testers) |
| 9. Gas detectors | 25. Hydraulic tools and cable cutters | 41. Continuity testers |
| 10. Vibration meters | 26. Drilling and fastening equipment | 42. Lux meters |
| 11. Torque wrenches | 27. Lifting tackles and hoists | 43. Tachometers |
| 12. Impact wrenches | 28. Scaffolding systems | 44. Ultrasonic leak detectors |
| 13. Insulation testers (Megger) | 29. Phase sequence indicators | 45. Vacuum pumps |
| 14. Earth resistance testers | 30. Power quality analyzers | 46. Pipe threading machines |
| 15. Cable fault locators | 31. Relay test kits | 47. Conduit bending machines |
| 16. Crimping and termination tools | 32. Transformer turns ratio testers | 48. Laser distance meters |

To support efficient and high-quality project execution, CCIPL is equipped with a comprehensive range of modern tools, testing instruments, and specialized equipment.

Our infrastructure enables precise installation, calibration, and commissioning of both instrumentation and electrical systems. We utilize advanced testing devices to ensure accuracy and performance validation.

This strong operational backbone allows us to handle complex projects with confidence, maintaining consistency in quality, safety, and execution standards.

LEADERSHIP TEAM

T. Isaiah Kumar

Managing Director

Brings over 40 years of experience across Instrumentation engineering, Electrical and Mechanical. He has led maintenance and large-scale project execution across industries including Oil & Gas, Power, Chemical, Pharmaceutical, Fertilizer, and Manufacturing sectors. Known for precise planning, adaptability to client needs, and rapid on-site scaling, he ensures consistent quality, safety, and execution excellence, earning long-standing client trust and repeat business.

T. Joice Prema

Director

Graduate in financial Management with over 10 years of experience in Project Management and Administration, Finance & Accounts and in Procurements having vast experience in processes for analysing, writing and following legal requirements and recommending improvements to business procedures.

L. Ravichandran

Associate Director – Technical

Electrical Engineering graduate with 40+ years of experience in Electrical, Instrumentation, Civil, and Utilities. He has led major greenfield, brownfield, revamping, and debottlenecking projects across the Chemical, Synthetic Fiber, Automobile, Steel, and Power industries, with expertise in engineering, energy efficiency, safety, and project leadership.

B. Muralidhar

Project Head

Mechanical Engineer with 35+ years of experience in construction and project management. He has successfully delivered power plants and industrial projects across the Power, Oil & Gas, Pulp & Paper, and Steel sectors, with expertise in planning, execution, quality, safety, and on-time project delivery.

N. Devendramayandi

Chief – Process Design

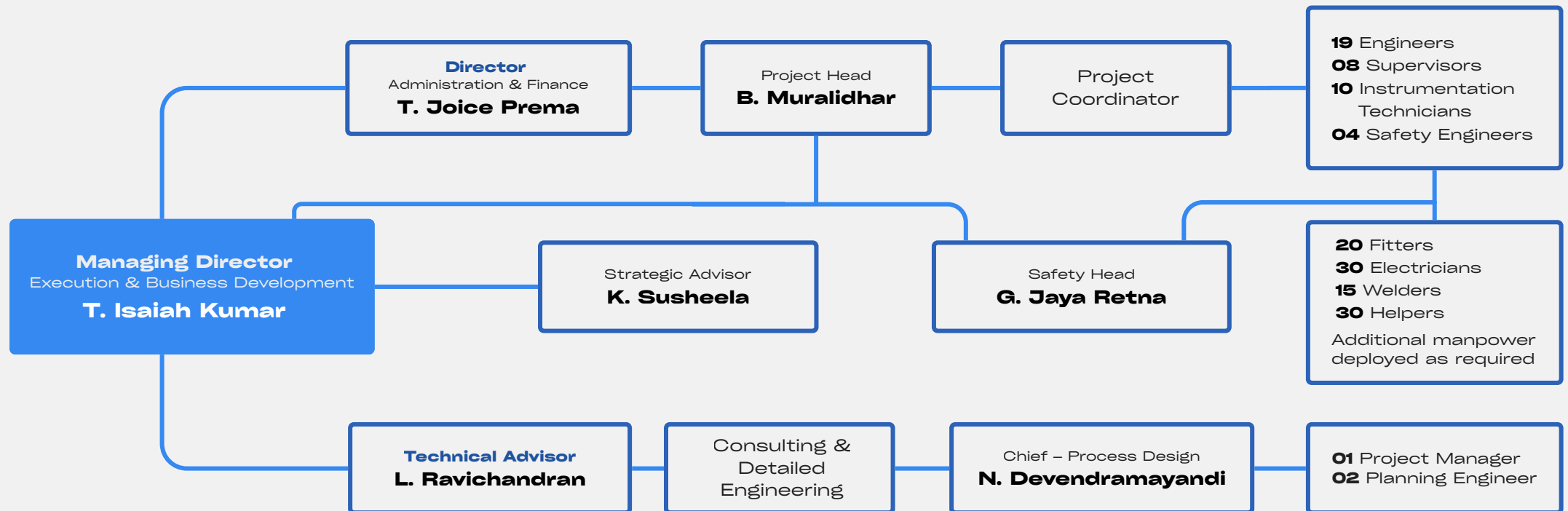
Chief Process Design Engineer with extensive experience in process design and engineering for industrial projects. An Associate Member of The Institution of Engineers (India) (AMIE), he specializes in process design, plant engineering, engineering coordination, and project execution from concept through commissioning.

G. Jaya Retna Kumar

Safety Head

Mechanical Engineer with nearly 40 years of experience in the Oil & Gas, Refinery, and Petrochemical sectors. A Chartered Engineer with an MBA, he brings expertise in HSE leadership, project safety, maintenance, construction, commissioning, and safety culture transformation, with proficiency in SAP, Maximo, and Primavera.

Organizational Structure ➡



CCIPL has successfully completed 150+ projects for prestigious clients such as Kuwait Oil Company, Indorama, Valmet Finland, APGENCO, Andritz, L&T, ITC, TNPL, Sanmar Group, TCL, Chevron, Emerson, Hindustan Petroleum, TISCO, Pond's India, Saint-Gobain and many more. Across the above clients, the projects includes critical task from system design to full commissioning.

Our Valued Clients

INDORAMA
ELEMENT FERTILIZER & CHEMICALS

EMERSON

ALSTOM

SANMAR

ITC Limited

TNPL

AE

Kuwait Oil Company
A Subsidiary of Kuwait Petroleum Corporation

Chevron

APGENCO

SRF
We always find a better way

ANDRITZ

CAIRN

JACOB ENGINEERS

IP

AEDOL

Ambur Economic Development Organisation

L&T

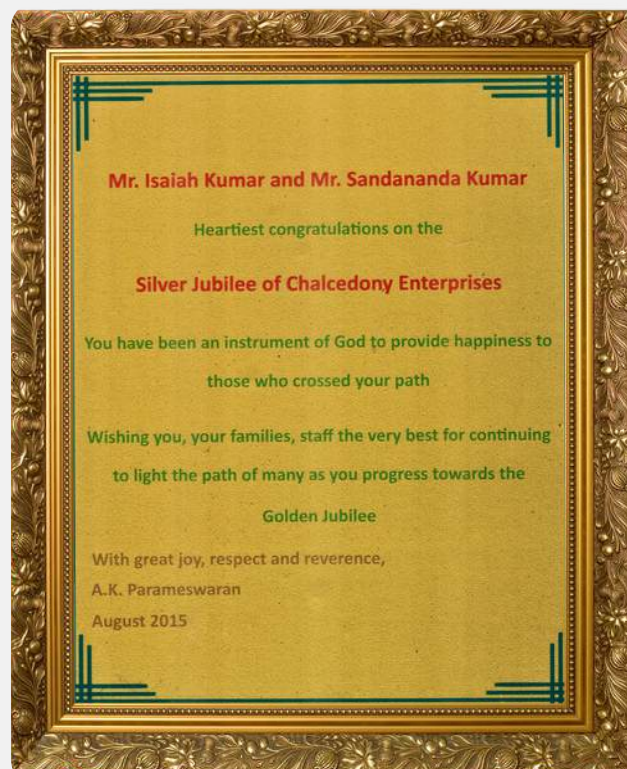
HP

Thirumalai Chemicals Ltd.

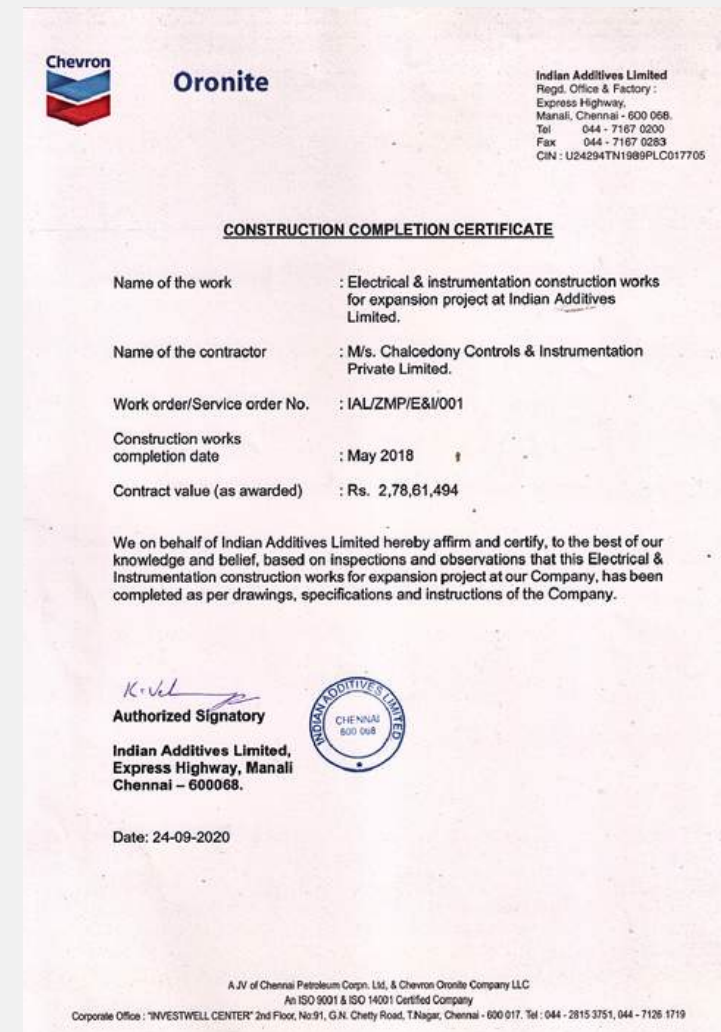
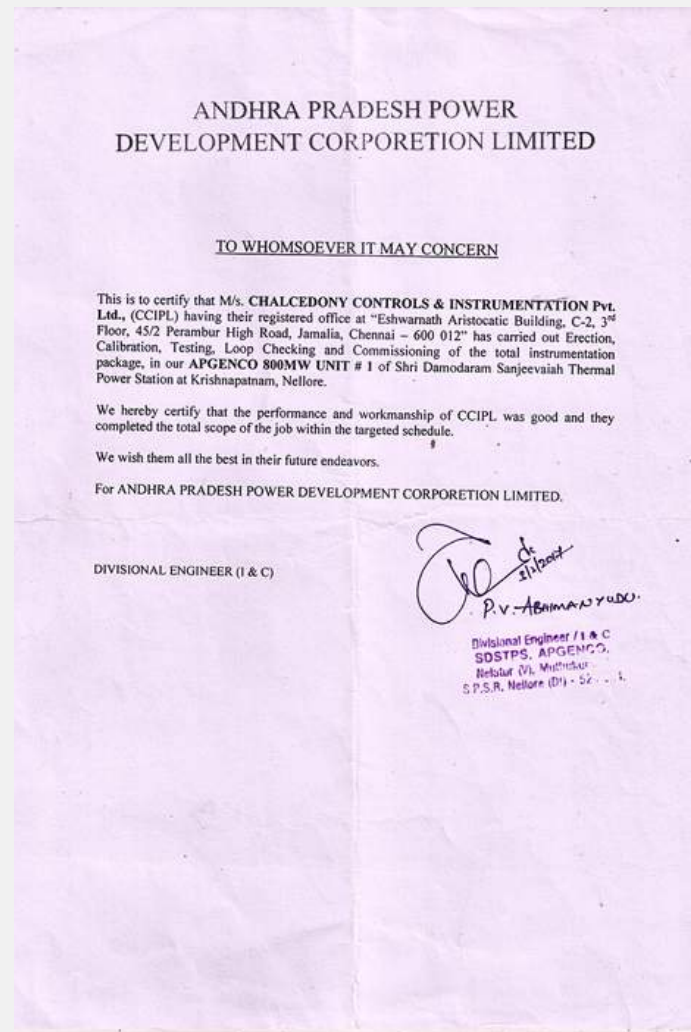
PROTECH CONSULTANTS PVT. LTD.

Client Accolades & Testimonials →

Trusted by leading organizations for consistent performance, high-quality work, and reliable execution, fostering long-term partnerships built on precision and excellence.







CAIRN INDIA LIMITED
3rd & 4th Floor | Vipul Plaza | Sun City | Sector 54 | Gurgaon 122 002
T : +91 124 459 3000, 414 1360 | F : +91 124 288 9320, 414 5612/13
www.cairnindia.com



WE FUEL AMAZING
28.02.2014

TO WHOMSOEVER IT MAY CONCERN

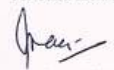
This is to certify that M/s.Chalcedony Controls & Instrumentation Pvt. Ltd., having registered office at Eshwarnath's Aristocratic Building, No.45/2, C-2, 3rd Floor, Perambur High Road, Chennai - 600 012 has successfully completed the Supply and Installation of instrumentation package for EORP Phase - II, EORP Phase -III, Saraswathi/Raag Phase - II & Aishwarya loading/Unloading Area, Raag Oil, Wellpad 1 & 3 Project at Rajasthan, Barmer.

Their scope included supply & installation of all types of instruments including transmitters, various types of flowmeters, various types of valves, PLC, cables and other accessories like instrumentation hardware, SS tubes, fittings, cable glands, cable trays, junction boxes, etc.,

Total order value of supply and installation in their scope is about Rs.5.1 Crores.

All the jobs were completed to our satisfaction with respect to both quality of execution and adherence to time schedule.

For Cairn India Ltd.,


S NARAYAN
DGM - Operations

Registered Office : 101, West View | Vee Savarkar Marg | Prabhadevi | Dadar | Mumbai 400 025



ENMAS PROCESS TECHNOLOGIES LIMITED
Regd. Office : V Floor, Guna Buildings Annexe, 304-305, Anna Salai, Teynampet, Chennai - 600 018.
Phone : 459977, 4345687 Telex : 041-23028, 041-23198 Fax : 91-44-4342448

April 25, 1997

TO WHOMSOEVER IT MAY CONCERN

This is to certify that M/s Chalcedony Enterprises are working with us as our Instrument ErectionMaterial & Cable suppliers, Instrumentation erection & commissioning contractor, since 1990, for the chemical recovery boilers and evaporators supplied by us. They have successfully completed the instrumentation erection and commissioning for the following projects in time, as per our project schedule.

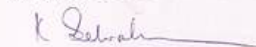
- | | |
|---|----------------------------------|
| 1. Central Pulp Mills Ltd, Songadh, Surat District, Gujarat State | - Recovery Boiler |
| 2. Century Pulp and Papers, Nainital, Uttar Pradesh State | - Evaporator |
| 3. Ballarpur Industries Ltd, Unit : SEWA, Orissa | - Recovery Boiler |
| 4. Hindustan Paper Corporation Ltd - Nagaon & Cachar, Assam | - Recovery Boiler |
| 5. Harihar Polyfibres, Karnataka | - Recovery Boiler and Evaporator |
| 6. A P Rayons Ltd, Warangal District, A.P. | - Recovery Boiler and Evaporator |
| 7. Mysore Paper Mills Ltd, Bhadravathi, Karnataka | - Recovery Boiler |
| 8. Tamilnadu Newsprint Ltd, Pughalur, Tamilnadu | - Evaporator Pilot Plant |

They are equipped with all necessary tools and tackles and experienced instrument technicians and engineers to handle challenging instrument erection and commissioning work.

I wish M/s Chalcedony Enterprises and their team to continue their good instrumentation service in their future projects.

Best wishes.

For ENMAS PROCESS TECHNOLOGIES LIMITED



K SELVAKUMAR
DY MANAGER (C & I)

EMERSON

Emerson Automation Solutions
Emerson Process Management
(INDIA) Private Limited
Plot No-A14F54, TTC Industrial Area
Pavane MIDC, Navi Mumbai - 400 710
Tel: (022) 66736000

DATE : 09 Jan '14

TO WHOMSOEVER IT MAY CONCERN

This is to certify that M/s. Chalcedony Controls & Instrumentation Pvt. Ltd., having registered office at Eshwarnath's Aristocratic Building, C-2, 3rd Floor, 45/2, Perambur High Road, Jamalia, Chennai - 600012 has carried out Erection, Calibration, Testing, Loop Checking consists of DCS Commissioning and synchronizing of the total Instrumentation Package, in our APGENCO 2 X 800MW of Shri Damodaran sanjeevaiah Thermal Power Station at Krishnapatnam, Nellore against Work order number APGENCO/LOI/EPM-PWS/16 dt:20.09.2011.

We appreciate their performance and quality of work in the stipulated time schedule. Their zeal, ability & cooperation towards work completion are commendable. We wish them all success in future ventures.

Date of Completion: September 2013
Date of Synchronisation: January 2014

Yours faithfully,
For EMERSON PROCESS MANAGEMENT (I) PVT.LTD.,



AUTHORISED SIGNATORY

1

Regd Office : Delhi, B - Wing, 6th Floor, Orchard Avenue, Hiranandani Business Park, Powai, Mumbai - 400 076. India
Corporate Identity No. U29196MH1981PTC024115 • Email : Process.India@Emerson.com • www.EmersonProcess.com.in
Tel: (022) 6662 0566 Fax : (022) 6662 0500



ITC Limited
PAPERBOARDS & SPECIALTY PAPERS DIVISION
Unit : Bhadrachalam
Factory: SARAPAKA-507 128,
Bhadrachalam Dist. (T.S) INDIA
Fax No.: +91- 8748-242480
Telephone : +91- 8748 - 242331 - 40
www.itcpspd.com

Date: October 21, 2024

TO WHOMSOEVER IT MAY CONCERN

We hereby certify that M/s. CHALCEDONY CONTROLS & INSTRUMENTATION PRIVATE LIMITED, having its registered office at Eshwarnath's Aristocratic Building, C-2, 3rd Floor, New No.45/2, Old No.28/2, Perambur High Road, Jamaliam, Chennai - 600 012 has successfully completed their job work for our PEP#4 Project includes Fiber line1&2 upgrade, Super batch digester#7, Single bleach plant along with other auxiliary plants like cooling tower, chipper, chemical handling system (Total 5000 I/O's and 1000 field instruments/valves/analyzers) at ITC Limited PSPD, Bhadrachalam Unit, sarapaka, Telangana - 507128, India.

The Total Consideration Value of the project is amounting to Rs. 1,82,39,700 vide service PO 4511015454/- and Rs. 4,61,66,000 vide supply PO 4511015451 (Rupees Six crore forty-four lakhs five thousand and seven hundred only) which includes supply various kind of erection hardware, valves, tubing, cables, trays, steel and other accessories for installation of the instrumentation.

During the tenure of their association with us, their workmanship was very professional. Their entire team was highly skilled in the trade and their cooperation right from the site mobilization to demobilization was very satisfactory and immensely contributed towards timely completion of the project without any compromise in procedures and practices adopted.

We appreciate the performance of M/s. Chalcedony Controls and Instrumentation Private Limited have executed well in quality and adhere time limit and completed overall jobs to our satisfaction. We wish them success in all their endeavors.

For ITC LIMITED
Paper Boards and Specialty Papers Division
D. Mahesh Reddy
Sr. Manager-Instrumentation
ITC Limited PSPD

Divisional Head Quarters: 106, S.P. Road, Secunderabad - 500 003, TELANGANA
Regd. Office: ITC Limited, 37, J.L. Nehru Road, Kolkata - 700 071
FMCG, TOBACCO, HOTELS, PAPERBOARDS & PACKAGING, AGRI-BUSINESS, INFORMATION TECHNOLOGY
Corporate Website (www.itcportal.com), Corporate Identity Number : L16005WB1910PLC001995 E mail id: (enduringvalue@itc.in)



हिन्दुस्तान पेट्रोलियम कॉर्पोरेशन लिमिटेड
(भारत सरकार उद्यम) एंजिस्टेड ऑफिस, १७, जमशेदा टाटा रोड, बम्बई - ४०० ०२०
HINDUSTAN PETROLEUM CORPORATION LIMITED
(A GOVERNMENT OF INDIA ENTERPRISE) REGISTERED OFFICE 17, JAMSHEDA TATA ROAD, BOMBAY-400 020

पुणेसह क्षेत्रीय कार्यालय, प्रथम मंजूर, ६१, फोरेस्ट पार्क, भुवनेश्वर - ७५१ ००१.
BHUBANESWAR REGIONAL OFFICE : FIRST FLOOR, 63, FOREST PARK, BHUBANESWAR-751009
टेलीफोन : 406425/26, 406521
टेलीग्राम : 0675-404 HPCL IN
हात : HIPETOFF

Ref: VN/LPG

March 03, 1992

TO WHOMSOEVER IT MAY CONCERN

This is to certify that M/s.Chalcedony Enterprises, Madras, has been completed the works at our LPG Plant, Jatni like Electrical earth pits, Calibration of DPT's for Bullets, sphere and Intercom installation including FLP Telephones, Cable laying, compute electrical installation at our Regional Office. The performance of work was good and having technically well established in this field are found satisfactory. Further still they are associated with us to attend/maintain instrumentation activities at our LPG Plant, Jatni.

VINOD NEHETE
MANAGER (LPG)



Tamil Nadu Newsprint and Papers Ltd
(A Government of Tamil Nadu Enterprise)
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Fax : (0091) (04324) 277027 / 277025
E-mail : pmd@tnpl.co.in Web : www.tnpl.com

03 October, 2016

TO WHOMSOEVER IT MAY CONCERN

This is to certify that M/s Chalcedony Controls & Instrumentation Pvt Ltd (CC IPL) having their office at "Eswarnath Aristocratic Building, C-2 3rd floor, 45/2 Perambur High Road, Jamaliam, Chennai-600 012" has carried out Erection, Calibration, Testing loop checking and commissioning of Instruments including supply of Erection hardware for Board Machine # 4 (BM#4), Colour coating Kitchen (CKK) & finishing house (FH) areas of TNPL Unit II. The value of the supply and erection jobs carried out by them works out to Rs.5.42 Crore.

We hereby certify that the performance and workmanship of CC IPL was good and they completed the total scope of the job within the targeted schedule.

We wish them all the best in their future endeavors.

for TAMIL NADU NEWSPRINT AND PAPERS LIMITED

DEPUTY GENERAL MANAGER (PROJECTS)

Corporate Office : 67, Mount road, Guindy, Chennai - 600 032. CIN : L 22121 TN1979 PLC007799
Phone : 044 - 2235 4415 / 16 / 18, 2230 1094 - 97 Fax : (044) 2235 0834 / 2235 0827 E-mail : response@tnpl.co.in



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Jamalia, Chennai - 600 012.



THANK YOU

