

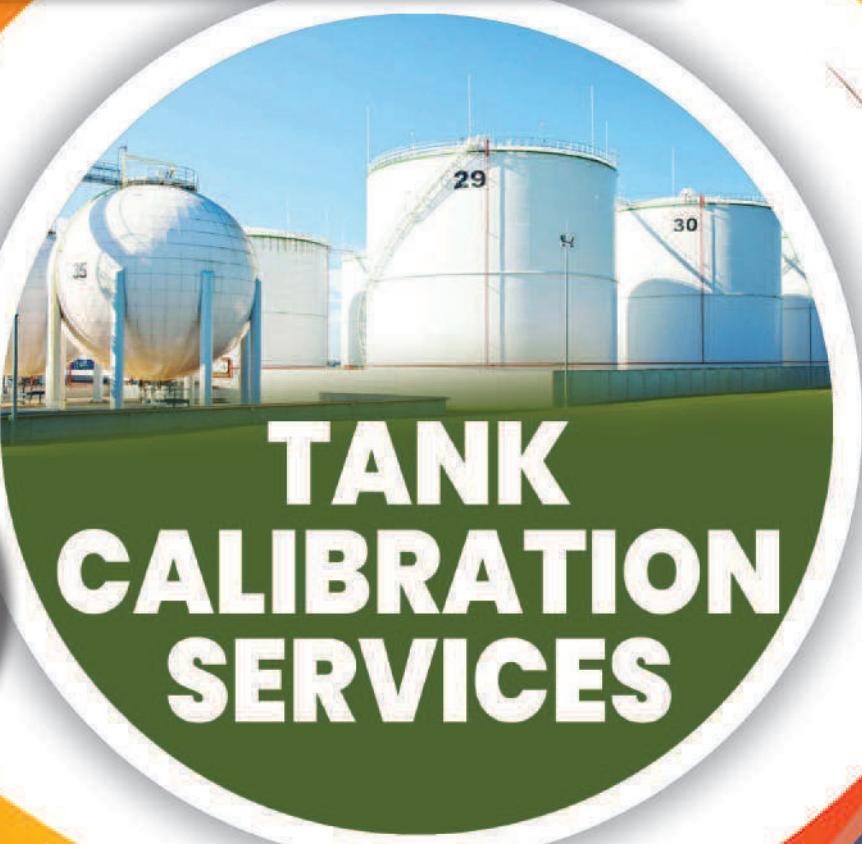


M/s. Girish Chandra Ghosh & G.G.S.



M/S GIRISH CHANDRA GHOSH & G.G.S.

Manufacturer
Calibrator
Engineer Consultant
Service Provider



TANK CALIBRATION SERVICES

TANK INSPECTION

- » Leading Storage Tank Calibrator & Surveyor in India & Abroad.
- » Approved Govt. Licensed Repairer/Calibrator of Storage Tank (Legal Metrology Dept.)
- » Bengal's Heritage and Many Award Winner Company.
- » INDUSTRIAL NDT CONSULTANCY (NDT)
- » TANK SETTLEMENT SURVEY AND ROUNDNESS TEST INSPECTION IN INDIA & ABROAD
- » MSV SETTLEMENT SURVEY
- » PIPING AND INSTRUMENTATION DIAGRAM (P&ID) PIPELINES SURVEY
- » WEIGHING SCALES SERVICE AND SUPPLY
- » LIQUOR MEASURE MANUFACTURER & SUPPLY
- » COMPLETE WEIGHING AND MEASURING SOLUTIONS
- » WEIGHING SCALES SERVICE AND SUPPLY
- » LIQUOR MEASURE MANUFACTURER & SUPPLY

CALIBRATION USING MODERN TECHNOLOGY

M/s. Girish Chandra Ghosh & G.G.S.
innovative technology coupled
with industry expertise
www.girishcalibration.com
www.storage tankcalibration.in



M/S. GIRISH CHANDRA GHOSH & G.G.S

**WE BLESSED
FROM OUR
ANCESTORS**



**Who Established
& Flourish**



Late HARENDRANATH GHOSH



Late DEBENDRA NATH GHOSH



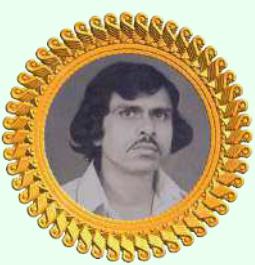
Late SANJIB KUMAR GHOSH



JYOTSNA GHOSH



SUJIT GHOSH



Late SANDIP GHOSH



KUMKUM GHOSH



SUPRIYO GHOSH

REAL BRIEF

Established in 1874, M/s Girish Chandra Ghosh encountered succession issues later on. Actually M/S. Girish Chandra Ghosh organization split after legal partition on 1972-73 into two part as M/S Girish Chandra Ghosh & G.G.S and M/S Girish Chandra Ghosh & Co. Here second part did business for few years in the manufacture and repair of beam scales and weights only after that surrendered license and stopped business, while M/S Girish Chandra Ghosh & G.G.S continue and carrying the heritage organization from initial position till date. Under the leadership of Sujit Ghosh and Jyotsna Ghosh, the company reached numerous accomplishments. Currently, running in new peak under the stewardship of Supriyo Ghosh, the fifth-generation heir and Managing Partner, M/s Girish Chandra Ghosh & GGS proudly commemorates its 150th year since inception.

CURRENT SCENARIO

MS. JYOTSNA GHOSH

Ex-Partner

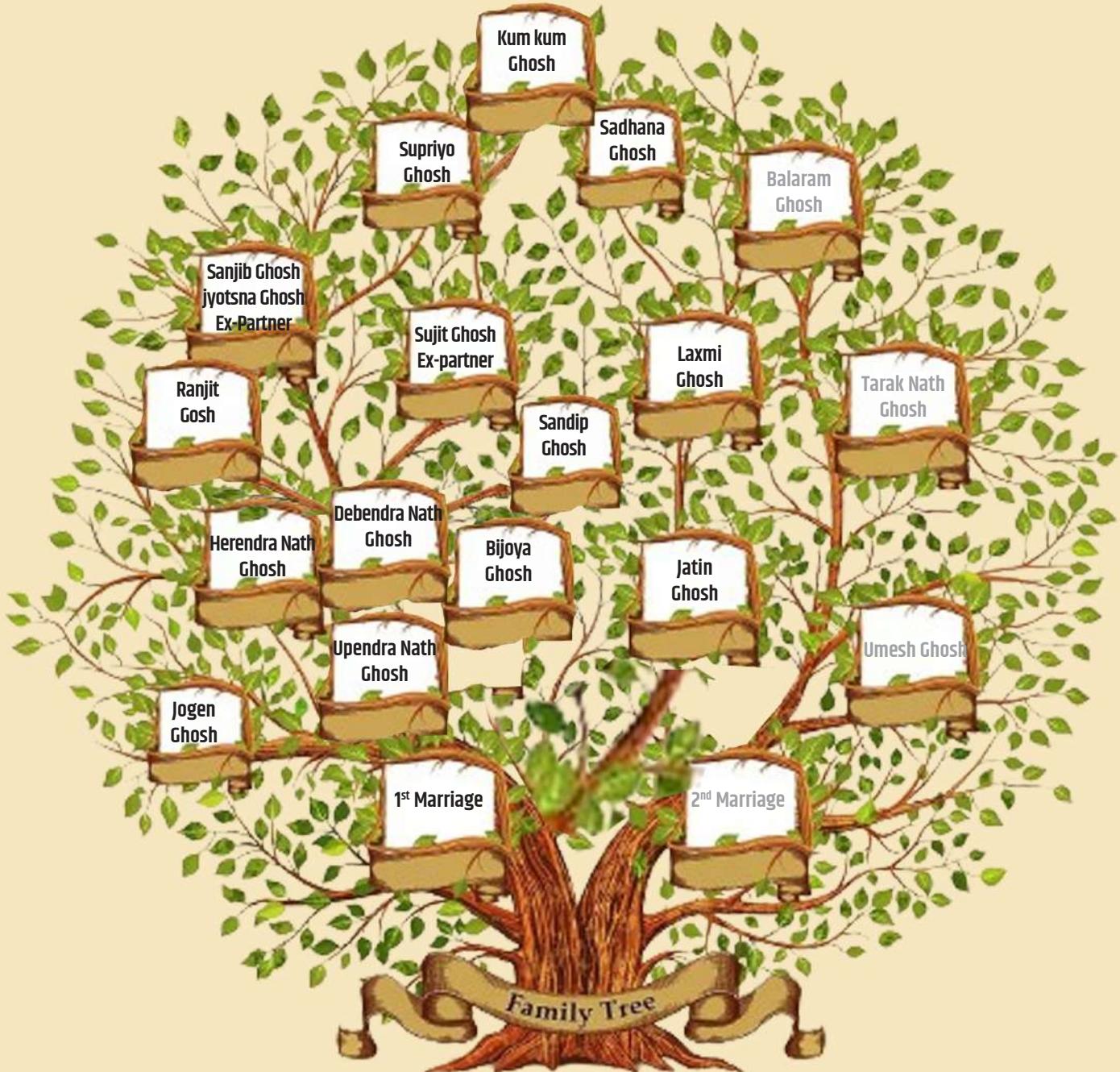
(Her Blessings Is Precious In Our Daily Work Routine)

MR. SUPRIYO GHOSH

Managing Partner

MS. KUM KUM GHOSH

Partner



Late GIRISH CHANDRA GHOSH
Founder

**FORMERLY M/S. Girish Chandra Ghosh
M/S. Girish Chandra Ghosh & GGS**

Estd. 1874

39/ B.T. Road, Kantakal Bus Stop, Kolkata-700002 (Resi.)

37 B.T. Road, Kantakal Bus Stop, Kolkata-700002 (Works)

40/2 B.T. Road, Sonajhuri Appartment, Ground Floor, Block B, Kolkata – 700002, W.B. India (Corp. Office)

150 Years Celebration





150 Years Celebration





Supriyo Ghosh

Managing partner

Dear Esteemed Customer,

With heartfelt wishes for your continued success, we are delighted to announce the commemoration of a significant milestone in our journey: **M/s Girish Chandra Ghosh & GGS** proudly celebrates 150 years of establishment. Over this remarkable span of time, our company has navigated numerous challenges while achieving noteworthy milestones that have earned recognition from various esteemed media organizations nationwide. We are pleased to present this collection of media coverage, showcasing our enduring legacy.

Allow us to introduce ourselves as leaders in the calibration of liquid storage tanks and related services. Our expertise lies in executing calibration and re-calibration tasks for liquid storage tanks in compliance with relevant Indian standard specifications. We meticulously prepare computerized calibration charts, ensuring adherence to the statutory obligations mandated by the Legal Metrology Department of State Governments. These charts not only facilitate the assessment of gains or losses in sale and purchase transactions but also serve as a reliable tool for managing storage and distribution losses effectively.

We have been providing complete solutions related to scale and measure for 150 years and we are the leading company in the country in this field.

Our commitment to excellence extends to our accreditation by the Department of Legal Metrology/CPWD (Government of India), ensuring the validity and accuracy of our calibration charts. Moreover, our services align with the requirements of central excise regulations, offering comprehensive compliance solutions.

With a proven track record of operations in various states including West Bengal, Orissa, Jharkhand, Chhattisgarh, Uttar Pradesh, Bihar, Andhra Pradesh, Haryana, Assam, Gujarat, Madhya Pradesh, Sikkim, and others, we bring a wealth of experience to every project we undertake.

We eagerly anticipate the opportunity to deploy our technical expertise to fulfill your requirements. Customer satisfaction is our foremost priority, and we pledge to deliver prompt and efficient service at all times.

Thank you for considering **M/s Girish Chandra Ghosh & GGS** as your trusted partner.

Warm regards,

SUPRIYO GHOSH

Managing Partner

M/S Girish Chandra Ghosh & GGS

Our Journey

In 1874, M/s Girish Chandra Ghosh (Currently M/s. Girish Chandra Ghosh & G.G.S.) has started his business M/s. Girish Chandra Ghosh, Manufacturer, Seller & Service provider of beam Scale (Class-B.C.D) in British period. We have introduced ourselves as a Govt. approved storage Tank calibrator also & we have been working successfully during past long years throughout the India & Abroad. Our product quality and our decided service satisfies the various level of our society, such as National & Multinational companies, Govt. sectors in India as well as common people of our surroundings. We undertake tank calibration, inspection, ultrasonic testing, tank settlement and tilt survey



150 YEARS IN BUSINESS

We are known as '**Girish Chandra Ghosh & G.G.S.**' Formerly **Girish Chandra Ghosh (ESTD 1874)**. Over the years, **Bengal's Heritage Company**. **Our Product has been kept for display in the Govt. Industrial & Commercial Museum, Kolkata West Bengal India**.

We have earned a strong reputation as leading providers of **Tank Calibration Systems**. **Approved License holder of Legal Metrology Department (Weights & Measure)** **Approved Govt. Licensed Calibrator/Repairer of Petroleum, Petrochemicals, Chemical, Oil & Gas, Other Liquid Storage Tanks/Bulk Flow Meter/ Weighing & Measuring Solution**.

Manufacturer/Repairer of Weighing Scales Service & Supply/Model approved by Govt. of India and Complete Weighing Solution, Liquor Measure. Flow Meter Calibration.) / NDT Inspection,/Pipeline UST/P& ID Diagram /Roundness Settlement/ Survey in INDIA & ABROAD.

We offer storage tank calibration/ gauging services to industries like Wineries, Distilleries, Sugar Factories,

Oil & Gas, Refineries, Petrochemicals, Chemical, Pharmaceutical, and Dairy with valid government licenses from the Director of Legal Metrology Weights and Measures Department state wise in India.

We've been taking care of Clients and businesses around here for 150 years now—since 1874!

Needless to say, there are very few companies who have been around for that long. That only happens when you've had the fortitude and commitment to get through tough times—and you have many loyal and reputed customers, as we do.

Throughout the year, we're going to be celebrating our 150th anniversary by holding special events and promotions for our customers and the community. Please follow us on our Social Media and Company website for more information www.girishcalibration.com/ www.storage tankcalibration.in

Many thanks for your loyalty and trust in us over the years!

Thank you for putting your trust and confidence in our company.

WEIGHING SCALE
FROM MILLIGRAM
TO METRIC TON
MECHANICAL TO
ELECTRONICS

BEAM SCALE TO
PLAT FORM &
HANGING SCALE

INDUSTRIAL NON
DESTRUCTIVE
TEST (NDT)
LASER SURVEY
WITH AUTOCAD
DRAWING

WORK ASSISTANCE
ON
RE-VERIFICATION
OF FLOW
METER, FILLING
MACHINE
PROVING MEASURE
CI WEIGHT

MANUFACTURING
LIQUOR MEASURE
30/60 ML.
COMBINED BRASS
& SILVER PLATED

CALIBRATION OF
TANK IN VERTICAL
HORIZONTAL,
SPHERE
FIXED ROOF TANK,
DOMED, FLOATING.
IN 3D LASER
SYSTEM.

TANK SETTLEMENT
& ROUNDNESS
TEST AND
ASSESSMENT
OF STORAGE
AS ALSO
STRUCTURAL
CONDITION

P & I DRAWING
ISOMETRIC DRAWING
PIPELINE
HEATH SURVEY

M/S. GIRISH CHANDRA GHOSH & GGS

(Formerly GIRISH CHANDRA GHOSH)
INDIA'S HERITAGE ENTERPRISE

Company registered under registration Act. Govt. of W. B.
Register with Office of Zonal Director general of Foreign Trade
(An ISO 9001:2015 Certified Co. ISO / IFC 17025-2017 Certified
Co. Zed Bronze Certified

MSME-NSIC registered unit CRISIL rated Company &
UDYAM Registered GEM registered CE certified

Approved Licence holder of Legal Metrology Department
(Weights & Measure)

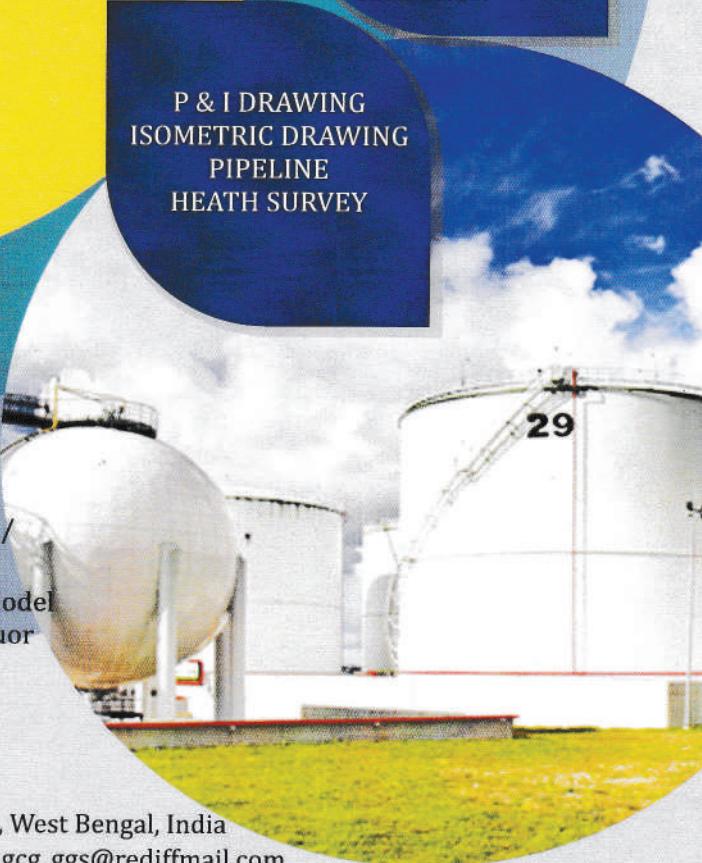
Approved Govt. Licensed Calibrator / Repairer of Petroleum,
Petrochemicals, Chemical, Oil & Gas, Other Liquid Storage Tanks /
Bulk Flow Meter / Weighing & Measuring Solution.

Manufacturer / repairer of Weighing Scale services & Supply / Model
approved by Govt. of India and Complete Weighing Solution, Liquor
Measure. Flow Meter

Calibration) / NDT Inspection / Pipeline UST / P & ID Diagram /
Roundness Settlement / Survey in INDIA & ABROAD.

Corporate Office & Mailing Address:

40/2, B. T. Road, Block-B, Sonajhuri Apt. Katakal, Kolkata-700 002, West Bengal, India
Tele / Fax : (91-033) 2558 9089, E-mail : gcg.ggs.kol@gmail.com / gcg_ggs@rediffmail.com
Website : www.girishcalibration.com / www.storagetankcalibration.in



YOUR DREAM OUR TARGET • YOUR SUCCESS OUR PRIDE

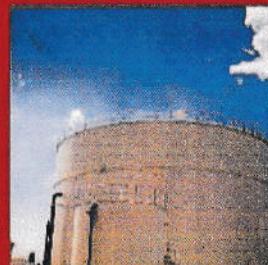
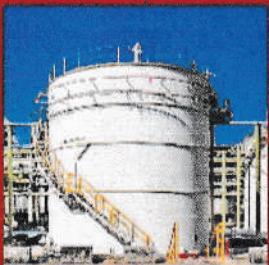


M/S. GIRISH CHANDRA GHOSH & G.G.S

Govt. Approved Calibrator of Storage Tank of Petroleum, Chemical, Oil, Other Liquid Storage Tanks, Manufacturer of Weighing Machines and Complete Weighing Solution, Peg Measure. Leading Storage Tank Calibrator & Surveyor, N.D.T Inspection work, Inspection Survey & P.I Diagram in India & Abroad

Licence Legal Metrology Department , Govt of West Bengal

In Storage Tank Calibration Work Approved License Holder of Legal Metrology Department, Govt of West Bengal , Odisha, Jharkhand, Chattisgarh, Sikkim, Punjab, Rajasthan, Bihar, Assam , U.P, Haryana, & works under other Legal Metrology Dept.of other states in India & Abroad.



M/S. GIRISH CHANDRA GHOSH & G.G.S

M.S.M.E Heritage Company Of Bengal

Formerly Girish Chandra Ghosh (ESTD. 1874)



Corporate Office and Mailing Address & H.O. :

40/2 B.T. Road, Kolkata – 700002, Sonajhuri Appartment, Block B, Ground Floor

Work Address :

37B, B. T. Road (Kantakal), Kolkata – 700 002, W.B., India.

Registered Office :

39A, B. T. Road (Kantakal), Kolkata – 700 002, W.B., India.

Phone No.: + 91 33-2558-9089

Tele Fax : + 91 33 2558 9089

www.girishcalibration.com | www.storagetankcalibration.in

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gcg.ggs.kol@gmail.com

gcg_ggs@rediffmail.com

supriyo.ghosh7@gmail.com

Phone

+91 98300 81365

+91 80132 76564

Corporate Office Address

40/2 B.T. Road, Kolkata – 700002,

Sonajhuri Apartment, Block B, Ground Floor



Registered with Office of Joint Director General of Foreign Trade

MSME NSIC Registered Unit CRISIL Rated Co.

UDYAM Registered

GEM Registered

CE Certified

SHIP TANK CALIBRATION



About Us

M/s. GIRISH CHANDRA GHOSH & G.G.S.

(International Business)

Growing with technology and committed to quality we are a Govt. approved License service provider (Storage Tank Calibrator) to the clients in the petroleum and other industries. As a pre-eminent calibration company with past long years experience we have strongly developed ourselves into leading storage tank calibrators of India and abroad. In order to bring out excellence in our service we adhere to International Standards of techniques and quality in our entire calibration service providing activities.

We became an approved vendor of IOC, BPCL, HPCL, Tata, Reliance and many other companies. At present we are running our Calibration Work business in Storage Tank / Vat / Sphere / Horizontal Tank / Bullets / Fixed Roof Tank / Fixed Cum Floating Roof Tank / Floating Roof Tank / Ship Barge etc. Our product, quality and our dedicated service satisfies the various level of our society, such as various National & Multinational Companies, Govt. & Non-Govt. Sectors in India as well as common people of our surroundings.



ISO 9001-2008 Certified Company

NSIC-MSME registered Unit
NSIC-ONICRA credit rated Co.

Mob : +919830081365

Tel : 033-25320156 Tel / Fax : 033-25589089

e-mail : [gcg_ggs@rediffmail.com](mailto:gcg.ggs.kol@gmail.com)

www.girishcalibration.com

www.storagetankcalibration.in

Mailing Address:

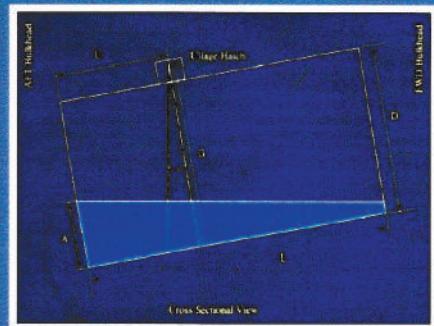
Corp. Off : 40/2, B. T. Road, Sonajhuri Apartment,
Gr. Floor, Block - B, Kolkata - 700002

Regd. Off : 39A, B. T. Road, Katakal, Kolkata - 700002

Works : 37B, B. T. Road, Kolkata - 700002

To ascertain gain or loss in sales, purchases to provide only reliable means of maintaining adequate control over the storage & distribution & stock keeping & in industrial production process control, as Oils, chemicals & its allied products are very costly items business & service render from it. Profit & Loss depends on accuracy of ship tank or barge storage tank calibration work.

Ship tanks and barge tank calibration can now be done quickly and with the utmost accuracy at all levels using the Internal Electro-Optical Distance Ranging Method by using laser scanning and an extremely accurate and fast scanner supported by a powerful software. It is ideal for every ship, but especially for floating storage vessels, delivery barges, chemical tankers, bunker tanks etc., where accuracy is of utmost importance



No matter the shape of the tank or the deadwood inside, you can have tables accurate at any level. List and trim corrections are calculated accurately without the approximations and restrictions of the old style trigonometric methods. Field measurements can be done in hours; hence there is no need to have your vessel waiting days to be calibrated.

Our skill and understanding of every tank detail and the ability to incorporate them into final tables makes us stand out among the crowd. We use the most accurate, reliable and fastest laser measurement systems available. International Method followed: API MPMS 2.8.A

Final calibration tables in ullage and innage (sounding) are made along with correction for ship "List" and "Trim", which is very essential when ship is not on an even keel.





HISTORICAL FACT

During the 18th century, Great Britain's rule extended over many countries, including India, imposing strict laws and regulations. In these challenging times, a Bengali named Girish Chandra Ghosh started his own business in 1874 to manufacture Beam Scale locally. He sold them at a minimal price, competing against the expensive imported Beam Scale from Europe.

The acceptance for locally produced Beam Scales grew significantly. In 1947 when India gained independence, Ghosh's Enterprise was honored as a "Prestigious Vintage Company" in India and their such product is displayed at the Govt. Industrial Museum at 45 Ganesh Chandra Avenue, Kolkata.

In 1957, India adopted the Metric System to compete globally. Units like Milligram, Kilogram, and Metric Ton were introduced in India's weight and measure sector and Girish Chandra Ghosh's Enterprise adopted to this change. They diversified to meet various industrial needs and eventually began serving large industries.

In 1969, Girish Chandra Ghosh expanded its production to include Platform Scale Manufacturing competing with the popular English brand, AVERY and bring success for the Enterprise.

In 1973, this heritage enterprise changed its name to M/s. Girish Chandra Ghosh & GGS as a partnership concern.

Gradually M/s. Girish Chandra Ghosh & GGS expanded into all sectors of weight and measurement. In 1990, it began measuring Compressed Natural Gas (CNG) and has since become a leading manufacturer in India's weight and measurement sector for all forms of substances, including solids, liquids, and gases. The enterprise has also ventured into Calibration Technology to ensure the accuracy of all measuring machines, particularly for liquids and gases.

M/s. Girish Chandra Ghosh & GGS, through the adoption of modern technology and successful measurement implementation, has acquired technology from OIML and also acquired from the American Petroleum Institute, an internationally recognized body. This has led to several international contracts. The company diversified into survey services like Tank Settlement and Health Survey of Storage Tanks in 2020. In 2021, it expanded into Liquor Measure (PEG), and in 2022, it entered the Non-Destructive Testing (NDT) field.

M/s. Girish Chandra Ghosh & GGS, with a 150-year history in the weight and measure field, is registered with NSIC and highly rated by CRISIL. It has expanded to multiple states beyond West Bengal, including Odisha, Assam, Uttar Pradesh, Bihar, Jharkhand, Haryana, Punjab, Sikkim, Gujarat, Chhattisgarh, Madhya Pradesh, Rajasthan, Maharashtra, and Goa, and is licensed by the Legal Metrology Department. With a dedicated team of over 50 Plus technical staff, this Small Enterprise provides quick and efficient customer service under the leadership of Mr. Supriyo Ghosh, the current Managing Partner and running the business from its corporate office in Kolkata.

Beside manufacturing of Weighing Scale M/s. Girish Chandra Ghosh & GGS, is approved vendor for large-scale companies like IOC, BPCL, HPCL, TATA, and RELIANCE, has become a reliable platform for many MSMEs. Additionally, it provides services like Storage Tank Calibration, 3D Laser Scanning, Health Surveys of Storage Tanks and Pipelines, and Detailed Plant Layout drawings.

M/s Girish Chandra Ghosh & GGS, a registered Small Enterprise of INDIA, has been recognized nationally for their significant contributions to the weight and measure sector. They have received awards from the numerous Organisations and Chambers of Commerce. They also involve in social services for the underprivileged and environmental causes. Their vision is to expand their expertise globally with the motto 'MEASURE SOLID TO LIQUID WITH GASES', M/s Girish Chandra Ghosh & GGS is committed to serve the mankind in Weight & Measure Industry in more significantly with total proud.

Historical Background

Our Company : Heritage of Bengal



Our Product has been kept for display in the
Govt. Industrial & Commercial Museum, Kolkata



Vision

Our vision is to become the recognized industry leader by our customers in the Storage Tank Calibration businesses in which we compete.



Technical Competence

Whether it be an inclined horizontal tank whose volume increases exponentially, a tank with uneven bottom, dished ends, blades and heating coils inside, a complicated bottom shell arrangement, a floating roof tank with liquid displacement to be taken care of, a pressurized Horton sphere or a horizontal bullet, we are always a step ahead of a critical assignment our engineering capability speaks on the ground. We have developed unique correlated physical, mathematical and error free volumetric solutions. Calibration or survey data can be provided on CD or sent via email in spreadsheet format, also for SAP and other integration.



Mission

We are trying to keep our old goodwill and maintain customer satisfaction and to serve our society and social development at large. We have gradually designed, developed and offered an extensive array of Electronic Weighing Scales which are high in performance durable in quality and gives optimal output to the clients in weighing scale line of activity.

In Storage Tank Calibration Work our Mission / Goal for modernization (subject to weights & measure Department approval). We have already introduced safe laser beam measurement & latest laser distance ranging and optical triangulation technology for higher accuracy. At the same time we have done ISO Certification and we will try to acquire all India license for all states in India in our activity.



Our Commitment

The Leading company in calibration world. We are committed to meet consumer's requirement by offering consistent quality service and at competitive price. Company's profit depends on the accuracy of storage tank calibration chart.



OUR TANK CALIBRATION EXPERTISE

M/s. Girish Chandra Ghosh & G.G.S offers a sophisticated tank calibration service, formulating highly accurate calibration data for tanks of various shapes, sizes and designs. The combination of years of calibration experience with the latest software enables us to provide highly accurate, cost effective tank and sphere calibrations.

Using the latest laser theodolite technology for tank calibration, engineers and technicians are equipped with state-of-the-art measuring devices .The use of EODR (Electro Optical Distance Ranging) and laser scanning offers a quicker, safer, low impact solution for strapping storage vessels.

Tank calibrations are conducted to the exacting requirements of the appropriate international standards published by the International Organization for Standardization (ISO) or by the American Petroleum Institute (API). In addition we can apply our innovative Modern Technology to provide highly accurate calibration data with increased procedural safety.

M/s Girish Chandra Ghosh & G.G.S. is a leader in the physical calibration of all types of vessels such as static storage tanks, demountable tanks and ships including specialized gas tanks.

M/s. Girish Chandra Ghosh & G.G.S. has also developed expertise in the calibration of vertical shore tanks, rigid prismatic tanks, membrane tanks, horizontal cylinders and spherical tanks.

M/S. GIRISH CHANDRA GHOSH & G.G.S

Methodology

A) **Chapter 2.2 A:** Measurement and Calibration of Upright Cylindrical Tanks by the Manual Tank Strapping Method. Chapter 2.2B Calibration of Upright Cylindrical Tanks using the Optical Reference Line Method. Chapter 2.2C/ISO 7507-3:1993 Calibration of Upright Cylindrical Tanks Using the Optical-Triangulation Method.

B) **Chapter 2.2D/ISO 7507-4- 1995:** Calibration of Upright Cylindrical Tanks using the Internal Electro-Optical Distance Ranging Method.

Chapter 2.2E/ISO 12917-1-2002: Petroleum and Liquid Petroleum Products-Calibration of Horizontal Cylindrical Tanks-Part1: Manual Methods

Chapter 2.2F/ISO 12917-2-2002: Petroleum and Liquid Petroleum Products-Calibration of Horizontal Cylindrical Tanks-Part 2: Internal Electro-Optical Distance Ranging Method.

Chapter 2.2G : Calibration of Upright Cylindrical Tanks using the Total Station Reference Line Method Standard 2552 Measurement and Calibration of Spheres and Spheroids.

C) We apply the most appropriate methodology for Tank Calibration understanding of the characteristic and geometry of a particular tank is absolutely essential. Here is where long years of experience, engineering and mathematical background is indispensable.

A combination of traditional strapping and physical calibration to the latest laser distance ranging and optical triangulation technology may be required to acquire all the necessary field data of any tank. Every tank may require different methods and approaches to achieve accurate data.

In India, we follow rules laid down by the Directorate of Legal Metrology (Weights and Measure Department) for vertical cylindrical tanks for petroleum products also called the "strapping method" Internationally and for any tank being approved by CPWD in India, we may also follow BIS 2007, BIS 2009, BIS 2166 and international standards like ISO 7507- Part 1 to 4, ISO 12917, API (American Petroleum Institute) 2550, API 2551, API 2552, API MPMS 2.8A, from which the national standards and rules are derived. The ISO rules have also been recommended by OIML (International Organization of Legal Metrology of which every country including India is a member.

Internal survey is carried out in tanks where it is safe to enter enabling us to measure datum plates, internal deadwood & tank bottom floor/ shape. Underground horizontal tanks require internal measurements. Bottom plate unevenness is profiled and physical calibration with water is done upto flush point as required. Safe Laser beam measurements are also used for internal measurements for Horton spheres and underground cylindrical tanks.

All field data are fed into our computer with customized software for specific corrections like tape temperature corrections, thickness corrections, deadwood corrections, etc. and shell wise calculations as per International ISO methods and rules laid down by the Weights and Measures Dept. Complex mathematical integration, formulae and calculations are involved in case of horizontal tanks where ends are torispherical, tank is tilted as volume increment is non-linear.

Calibration charts are made in units as per requirement. In India, for spirit tanks in distilleries/breweries under excise, gauging tables are also computed as per excise rules. Calibration charts can also be given in weight. Tank calibration data can be provided on softcopy data for uploading to inventory monitoring software.



Horizontal/ spherical tanks

International method: ISO 12917- part 1, API 2551. BIS: IS-2009. Internal Dia. (Vertical & horizontal) of all shells. Length of horizontal tanks, datum plate height. Inclination & spherical dish-end measure of horizontal tanks calibration of Horton Spheres (API 2552 method) and horizontal bullets: determination of internal vertical & horizontal diameters, position of auto gauge with respect to tank floor. Accurate Distance Lasers with maximum/ minimum length and slope determination can be used.

Liquid Cargo Ship tanks

International API MPMS 2.8A method is followed. Measurements are done for deadwoods, corrugated bulkheads, dead rises, bilge radius, etc. Correction for trim, list and temperature is done.

On-site Physical Calibration

For uneven, inclined tank floors, spherical or conical bottoms, determination of flush point of bottom of tanks by measured water through flow meter or prover. Floatation of roof of floating roof tanks by water is done to determine volume displacement by the weight of the roof. This displacement is to be applied for density corrections of liquid stored. Wet calibration at intervals is required for deformed, inclined horizontal tanks or irregular bulging rectangular tanks.

Tank Settlement Survey

API 653-B method is followed. Out of Roundness, tank tilt, settlement survey.



INTRODUCTION TO STORAGE TANKS

STORAGE TANKS

Storage tanks containing organic liquids, non organic liquids, vapors and can be found in many industries. Most storage tanks are designed and built to the American Petroleum Institute API-650 specification.

These tanks can have different sizes, ranging from 2 to 90m diameter or more.

They are generally installed inside containment basins in order to contain spills in case of rupture of the tank. Industries where storage tanks can be found are: petroleum producing and refining, petrochemical and chemical manufacturing, bulk storage and transfer operations, other industries consuming or producing liquids and vapors.

Types of Storage Tanks

Basically there are eight types of tanks used to store liquids:

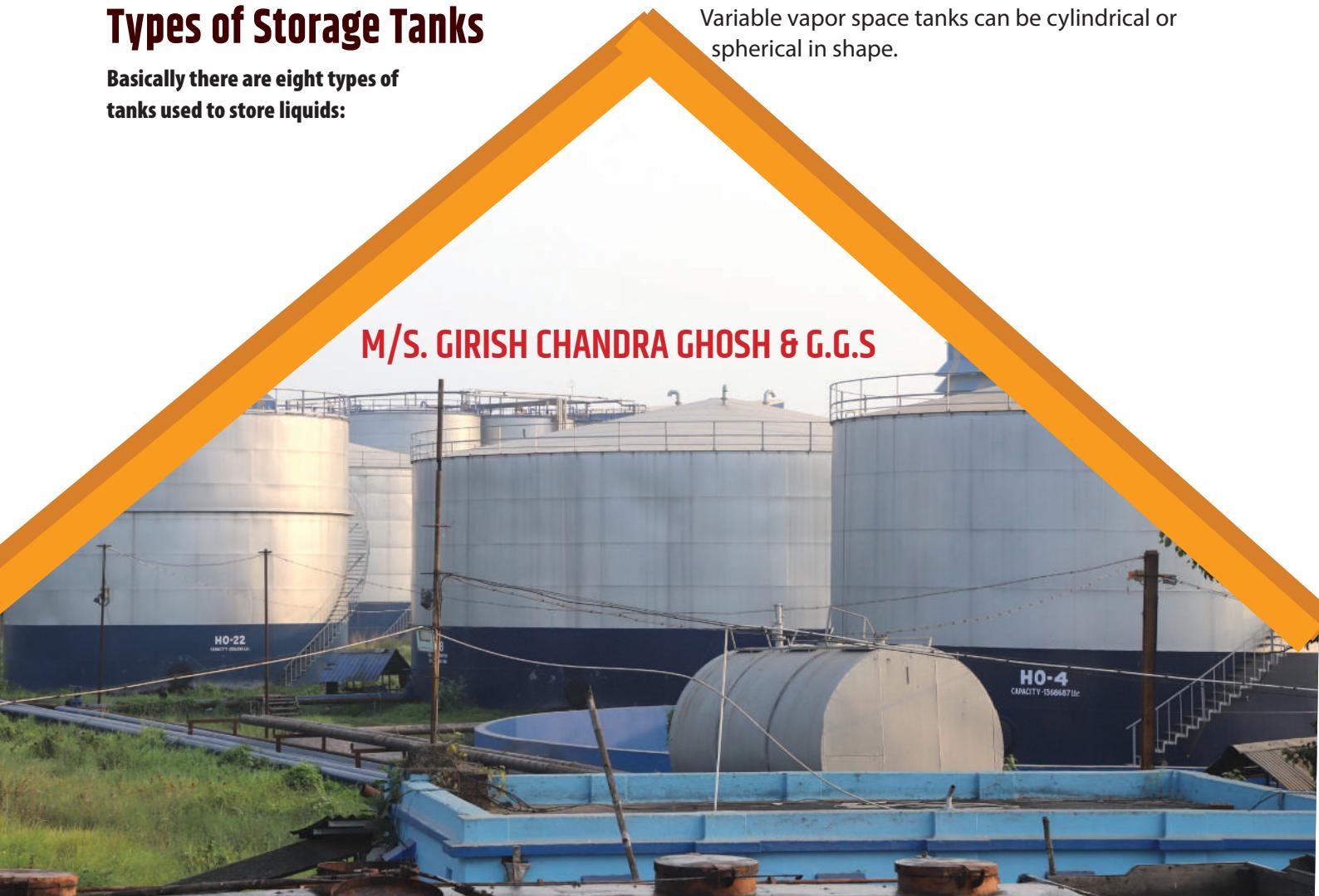
1. Fixed-roof tanks
2. External floating roof tanks
3. Internal floating roof tanks
4. Domed external floating roof tanks
5. Horizontal tanks
6. Pressure tanks
7. Variable vapor space tanks
8. LNG (Liquefied Natural Gas) tanks

The first four tank types are cylindrical in shape with the axis oriented perpendicular to the sub grade. These tanks are almost exclusively above ground. Horizontal tanks can be used above and below ground.

Pressure tanks often are horizontally oriented and spherically shaped to maintain structural integrity at high pressures. They are located above ground.

Variable vapor space tanks can be cylindrical or spherical in shape.

M/S. GIRISH CHANDRA GHOSH & G.G.S





MAINTAIN ACCURATE STOCK CONTROL BY ENSURING THAT YOUR CALIBRATION TABLES ARE UP TO DATE AND ACCURATE



M/S. GIRISH CHANDRA GHOSH & G.G.S



Why Tank Calibration is essential?

Customers face a need for accurate volumetric tables and quantity measurement, to control stock held in storage vessels. M/s. Girish Chandra Ghosh & G.G.S can provide accurate and detailed measurement and calibration of storage tanks to ensure customers don't encounter issues.

Up to date accurate calibration tables are an essential requirement for stock control and loss management, this is especially important for customs bonded sites such as distilleries and the oil and gas industry.

Maintaining up to date tank calibration data is of vital importance in maintaining customer confidence, identifying potential losses in stock and resolving loading issues, thereby supporting client's operational efficiency.



M/S. GIRISH CHANDRA GHOSH & G.G.S

OUR CAPABILITIES

Tank calibration is available for any site with a tank farm including:

- Independent storage facilities
- Small distribution depots
- Large fuel terminals
- Oil refineries
- Power plants
- Petrochemical Industries
- Pharmaceutical Industries
- Lpg Bottling Plants (Liquid Petroleum Gas)
- Steel Plants
- Fertilizers Industries

Covering tanks storing a vast array of substances including:

- Oil storage and refineries
- Breweries, Distilleries, soft drinks (bulk liquids)
- Beverages Companies
- Sugar Industries

We have the ability to provide volumetric capacity tables in litres per mm for:

- Vertical Tanks
- Horizontal Tanks Above Ground
- Horizontal Tanks Under Ground
- Blending Tanks
- Bullets with Spherical ends
- Elliptical Tanks
- Rectangular Tanks
- Horton Spheres
- Spherical Tanks
- Double-wall Tanks
- Fixed Roof Tanks
- Floating Roof Tanks
- Cryogenic and Pressurized Tanks
- Wooden Vats and Casks

We also have the capabilities to provide surveys on:

- Tank settlement for vertical storage tanks
- Tilt check
- Tank shell out of roundness (Seal surveys) for vessels with a floating roof

These hi-tech surveys produce highly accurate data that is important to be able to identify the common 'tank shell out of roundness' problem which can affect floating roofs, by impeding their vertical motion.



M/S. GIRISH CHANDRA GHOSH & G.G.S

AREA OF SERVICE ALL UNDER ONE ROOF

1. Tank Calibration/ Re-Calibration
2. Tank Settlement Survey
3. Ovality Settlement Survey
4. Terminal Survey
5. Health Survey Of Tank & Pipeline
6. Roundness Checking Of Leading Storage Tank
7. Ndt. (Non Destructive Testing)
8. Ust (Ultrasonic Testing)
9. Many Types Of Drawings Isometric And P & Id

10. Flow Meter Reverification & Stamping Work Assistance
11. Dip Tape & Dip Stick Supply
12. Remote Visual Inspection
13. Magnetic Flux Leakage Testing
14. Magnetic Particle Testing
15. Penetrant Testing
16. Api-653 Tank Inspection
17. Api-570 Piping Inspection
18. Survey/ Inspection & Ndt Work
19. Weighing Machine Supply & Re-Verification (West Bengal Only)
20. Weights & Measure Manufacturer/ Repairer/ Amc/ Dealer
21. Weights & Measure Items Solutions
22. Liquor Measure Manufacturer/ Supply
23. 3d Laser Scanning Tank Calibration
24. Tank Cleaning
25. Proving Tank
26. Pipeline Fabrication & Erection Job
27. Msv, Horton Sphere, Above Ground Bullet Mechanical & Hydrotesting Work
28. Pipeline, Tank, Horton Sphere, Msv, Bullet Painting
29. Civil Work, Sketch, Logo Related Any Kind Of Painting Job



M/S. GIRISH CHANDRA GHOSH & G.G.S

CALIBRATION OF STORAGE TANK

We are Govt. approved Calibrator (Rep.) of Petroleum, Chemicals, Oil & Other Liquid Storage Tanks

Standard For Vertical Storage Tank

- 2007-1974 : Method for Calibration of Vertical oil storage tanks
- 2008-1961 : Method for computation of capacity tables of vertical oil storage tanks

Weights and Measures (Legal Metrology Department) Rules-Ninth A Schedule, Part No. II & III of the S.W.M. (General) Rules, 2011

PHYSICAL CALIBRATION PROCESS AT SITE IN TANK

- Determination of flush point of bottom of vertical cylindrical tanks by water through flow meter.
- Physical calibration of uneven conical or spherical bottom of tanks and spirit vats up to the datum plate of vertical cyl. portion.
- Floatation of roof of floating roof tanks by water to determine volume displacement by weight of the roof. This displacement is to be applied for density corrections of liquid stored.
- Complete physical calibration is required for deformed underground FRP horizontal tanks which have lost its cylindrical shape, in measured intervals through accurately calibrated flow meter and data recorded for later processing and interpolation of volume into even segments.



MEASUREMENTS PROCESS AT SITE ON TANK

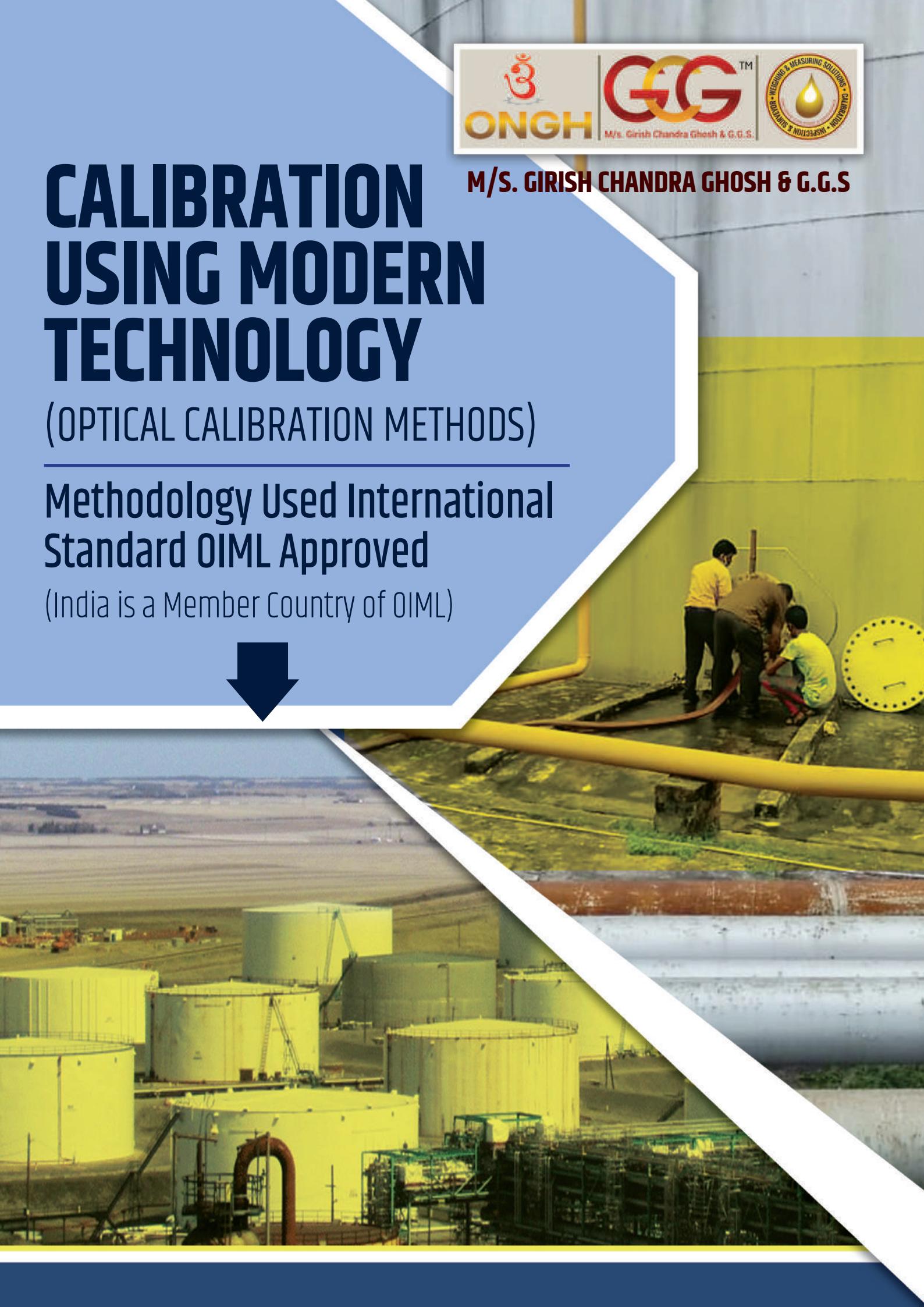
- External Tank Strapping method (ISO 7505 Part 1) and Part ii of 9th, Schedule of the Standards of Weights & Measures (General) Rules 2011.
- Datum plate height with reference to individual course heights.
- Determination of Dip-reference height and point of gauging.
- Inclination & Spherical dish-end measure of horizontal tanks.
- Calibration of pressurized Spherical tanks and horizontal bullets: internal vertical and horizontal diameters, position of magnetic servo float with respect to bottom.
- Internal deadwood measurements.
- Ultrasonic Plate thickness measure.

CALIBRATION USING MODERN TECHNOLOGY

(OPTICAL CALIBRATION METHODS)

Methodology Used International
Standard OIML Approved

(India is a Member Country of OIML)





M/S. GIRISH CHANDRA GHOSH & G.G.S



STATUTORY OBLIGATION FOR STORAGE TANK CALIBRATION

As per the provision of section 27 of the standard weights and General measure rule 2011 no weights and measure shall be sold or offered possessed for sale use of kept for use in any transaction or protection unless it has been verified & stamp and as provided in State Enforcement Rule 2011 framed under the Legal Metrology act 2009. The storage tank including vats used or intended to be used in any Transaction or for protection must be revivified or recalibrated and stamp at least once in 5 years the definition of the word the Transaction defined in 2 u of the standard Legal Metrology act 2009 under which the said act has been enacted which runs as follows :-

- (i) Any contract for Sale, Purchase, Exchange or any other purpose.
- (ii) Any assessment of Royalty, Toll or other dues.
- (iii) Any assessment of work done, wages dues or service rendered, their Storage tank can't be excluded from the purview of the above said Act & Rules.

For ISO quality certification of Calibration of Storage Tank is essential accurately required by ISO official

- To meet Central Excise / State Excise & custom Duty obligation in view of the aforesaid - it is essential to get storage tank calibrated by owners and to get rid of any legal action as provided in the said Act.
- Fines & seizures for noncompliance.





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ISO 7507-1: 2003 Petroleum and liquid petroleum products - Calibration of vertical cylindrical tanks - Part 1: Strapping method

ISO 7507- 2: 2005 Petroleum and liquid petroleum products - Calibration of vertical cylindrical tanks - Part 2: Optical-reference-line method

ISO 7507- 3: 2006 Petroleum and liquid petroleum products - Calibration of vertical cylindrical tanks - Part 3: Optical-triangulation method

ISO 7507- 4: 2010 Petroleum and liquid petroleum products - Calibration of vertical cylindrical tanks - Part 4: Internal electro-optical distance-ranging method

ISO 7507- 5: 2000 Petroleum and liquid petroleum products - Calibration of vertical cylindrical tanks - Part 5: External electro-optical distance-ranging method



ADVANTAGES OF OPTICAL CALIBRATION

- Much safer method
- Much faster method
- Much accurate data & result
- Less man power needed
- Simple process to calibrate a tank
- Less Power consumption
- Possible to calibrate in difficult weather

WHY CALIBRATION IS ESSENTIAL?

To ascertain gain or loss in sales, Purchase to provide only reliable means of maintaining adequate control over the storage & distribution & stock keeping & in industrial production process control, as Oils, Chemicals & its allied products are very costly items business & services render from it



M/S. GIRISH CHANDRA GHOSH & G.G.S

CALIBRATION OF HORIZONTAL TANK ABOVE/UNDERGROUND USING MODERN TECHNOLOGY

M/s. Girish Chandra Ghosh & G.G.S. are one of the preeminent service providers of Horizontal Tank Calibration services in the market. Our team experts will visit your company and analyze the condition of the tank in detail. They physically measure the tank as per the standard and compute the calibration table also. We calibrate tank by volumetric method, Laser method and 3D Laser Technology method. We also specialize in providing calibration services for horizontal tank keeping in mind their build, tank tilting, roundness etc. Inspection Prior to Calibration: Time of Construction Structural modifications in conjunction with API 653 Inspection Minimal 5 year's intervals.

Horizontal Tanks and Bullets (Procedures)

1. Measurement Standards: Indian IS 2009 and 2166, International API MPMS, ISO 12917
2. External measurements of circumference of each course at 2 points 20% from the ends of welds. These points will be marked with crayon/ chalk before measurements. Each tank comprises of multiple courses and a mean circumference will be derived from the measurements. Circumference will be taken with steel tapes at a tension of <5 kg.
3. When accessed internally, laser beam measurements are used inside to determine vertical and horizontal diameters with laser distance meters or laser total stations.
4. Length of each course will be added translating into tank length. This length will also be measured externally with a laser distance meter by aligning the instrument at one end and holding a vertical plate aligned to the other end, which will give tank external length. Internal length will be derived after deducting plate thickness at both ends.
5. Ultrasonic plate thickness measurement with digital



meters will be taken at positions around the marked circumference line and mean thickness of each course will be obtained. This thickness will be used to arrive at internal diameter from external measurements. A general thickness report will be provided in addition to tank tables.

6. Tank outer mean vertical diameter and horizontal mean diameter measurements will be done with laser distance meter with maximum length reported from the meter. This will be done at both ends of the tanks. A vertical plumb line and a horizontal axis will be drawn as a reference line prior to measurements.
7. Dip reference height and distance of the point from the tank ends on top of tank will be measured.
8. Tank inclination/ slope is an important factor in horizontal tanks. We use automatic laser levels with visible laser beams which clearly mark out the horizontal and vertical line inside the tank. For tanks which cannot be accessed inside, the instrument will be placed on top of the tank one end on a tripod/ solid elevated base. The instrument will give out a laser beam which is crosshair type in both horizontal and vertical directions. Vertical depth measurement from this laser line to the top of the tank will be carried out from one end to another end. The vertical rise at another end will provide the inclination of the tank with respect to the horizontal. This value will be the maximum vertical rise of the tank at the end opposite to outlet. When the

tank is accessible inside, the vertical rise at one end is similarly taken inside the tank. Also, the vertical distance from laser level to datum plate/ point is recorded.

9. Some horizontal tanks have ends which are not flat they can be bulged, dished, truncated cone, hemi spherical or tori spherical. It is important measure the profile of both the ends. For external measurements, a vertical plumb will be dropped from the tank side at middle position of the tank and horizontal measurement recorded near the base from the weld (tan line). This procedure is repeated at both ends. The knuckle radius is measured for tori spherical ends and end diameter measured for truncated cones. For internal measurements, a vertical plumb line is created at the tan line and the maximum offset is measured at the centre position with laser distance gauge.
10. Calculations are done as per BIS 2166 (Basic Indian Method), API MPMS 2.2 E, ISO 12917 (Complete International Method). Temperature correction, thickness correction, liquid head stress correction is applied on volumes analyzed and processed on custom made formulations. These volumes in our tables will have a uniform exponential curve as opposed to intermittent linear progression when calculations are done manually with water filling at fixed intervals/ volumes. Very complex mathematical formulations are used to arrive at volumes for inclined horizontal tanks. Softcopy are also provided in Excel or pdf file.

CALIBRATION FOR HORIZONTAL STORAGE TANK

BIS Indian Standard

2009-1975 : Method for Calibration Horizontal and tilted oil storage tanks
2166-1963 : Method for computerization of capacity tables for horizontal and tilted oil storage tank

Horizontal Tank Calibration Rules

BIS 2009-2166 : BIS STANDARD (INDIAN)
ISO 12917-1 : 20002 & 2:2002
API MPMS 2.2E

Horizontal Type Tank Calibration Above/Underground

Procedure:-

1. Volumetric Method (Liquid Calibration)
2. Laser
3. 3D Laser Scanning Calibration Technology (Automatic Tank Gauging System)

Accuracy Level:

± 0.3% As per International Standard



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NON DESTRUCTIVE TESTING (NDT)

Non-Destructive Testing (NDT) is a group of analysis techniques employing specific methods to evaluate the condition of plant and equipment without causing damage. NDT is carried out at all stages of the asset life cycle from the construction of plant and equipment through to regular testing during planned downtime or at set intervals throughout its asset life. Successful and consistent application of NDT depends heavily on personnel training, industry knowledge and experience. Without experience in using NDT techniques, it can be easy to misread false indicators or non-relevant indications of what may look like a simple reading, resulting in approval of a piece of plant as safe when in fact it has discontinuities.

Why NDT?

Employing NDT techniques assists to ensure:

- Plant and equipment safety.
- Site and personnel safety.
- Prevention of loss of productivity in unplanned downtime.
- Cost effective savings in simple repairs instead of complicated repairs or equipment replacement

What are the Advantages of using NDT?

There are a number of distinct advantages, the most obvious of which is that the pieces being tested are left undamaged by the process, allowing for an item to be repaired rather than replaced should any problems be found.

It is also a very safe testing method for operators, with most techniques being harmless to humans, although some types of test - such as radiographic testing - still need to be conducted under strict conditions. This testing technique can also help prevent injury or fatalities by ensuring structures,

components and machinery is safe.

Non-destructive testing is also a very accurate way of inspection since the tests are repeatable and a number of tests can be used together to correlate results.

These testing methods are also economical. Unlike destructive testing, NDT is cost effective as it can prevent the need to replace an item before malfunction occurs without destroying the piece itself.

This testing technique also offers operators' peace of mind, knowing that equipment is functioning as it should, preventing future accidents and determining any measures that can be taken for life extension.

It is also useful for testing of welds and verification of welding procedures to ensure that a welding process has been completed to the correct specification within the bounds of quality control, for example to make sure that the base metal has reached the correct temperature, cooled at the specific rate and that compatible materials have been used to prevent welding defects.



M/S. GIRISH CHANDRA GHOSH & G.G.S

M/s. Girish Chandra Ghosh & G.G.S.

offer a full suite of NDT Services all designed to thoroughly
vet the integrity of the inspected item:

COMMON NDT PROCESSES



M/S. GIRISH CHANDRA GHOSH & GGS

LICENSE HOLDER



LIGAL METROLOGY DEPARTMENT, GOVT. OF WEST BENGAL

Manufactures of scale, weighing machine (Electronic & Mechanical) & weights repairer of weighing machine,
Manufactures of Peg measure, Repairer/calibrator of bulk flow meter, capacity measure.

Govt. Licensed Calibrator of liquid Storage Tank in West Bengal, Odisha, Jharkhand, Bihar, MP, UP, Haryana, Chattisgarh, Sikkim, Assam, Punjab, Rajasthan, Gujarat, Goa and work under legal Metrology of other States in INDIA & Abroad.

Leading Storage Tank Calibrator & Surveyor, NDT Inspection work in India & Abroad

Specialist in Storage Tank Calibration, Settlement & Roundness Test, P&I Drawing NDT work & Inspection Survey



M/S. GIRISH CHANDRA GHOSH & G.G.S

Magnetic Particle Testing (MPT)

A quick and low-cost option for testing parts of varying size and shapes, this method is used for testing ferromagnetic pieces, such as iron, steel, nickel, cobalt, and alloys made of these metals. It is a highly sensitive method of testing for laps, seams, and other surface or near-surface discontinuities. Our team will apply a wash of very fine ferromagnetic particles to a piece and then magnetize it. The particles are highly visible under fluorescent lighting, and when magnetized they are drawn into any discontinuity and take on the shape and contours of the damage.

Liquid Penetrant Testing (PT)

One of the most sensitive methods for detecting small surface indications in ferrous and nonferrous metals, alloys, fired ceramics, powdered metals, glass, and other materials. This process is fully portable and can pinpoint discontinuities that are open to the surface. With the use of high-visibility penetrating liquids our team will coat the surface in question and then wipe away the excess. Afterwards, a highly absorbent developer is applied, and any trapped penetrant is drawn forward, highlighting any discontinuities.

Visual Testing (VT)

This method is based on the inspection for flaws that are visible to the naked eye and is the most commonly used NDT method across all industries. It allows for a feasible and fast control of quality at every step of the fabrication or maintenance process. Visual Testing is used to detect visible flaws such as deformation, welding defects and corrosion. Many tools can be used during the inspection such as a ruler, gauges, cameras, etc.

Ultrasonic Testing (UT)

This method is used for testing neatly solid materials (fine-grained aluminum, steels, alloys, composites, and plastics), and is highly sensitive to discontinuities that are most critical to structural integrity, such as lack of fusion in welds, incomplete penetration of welds, and indications in welds. It is highly portable, and usually requires access to only one side of the object to be tested. Utilizing ultrasonic, our technicians can detect internal discontinuities and measure thickness.

Radiographic Testing (RT)

Providing an easy and map-able rendition of internal voids and fabrication errors, this method is ideal for visualizing the internal structure of components, materials, and assemblies. It is used in examining raw materials (castings and forgings), fabrications, assemblies (misalignment or absence of internal parts), and detecting time-dependent degradation of in-service parts. Operating much like any other x-ray technology, this method does require access to both sides of an object, and creates a permanent record of the inspection for review.



TANK SETTLEMENT SURVEY AND ROUNDNESS TEST INSPECTION IN INDIA & ABROAD

M/s. Girish Chandra Ghosh & G.G.S.

Offers inspection and calibration surveys of tanks of any size shape or design. We survey tanks designed to hold oil and gas products such as crude oil, petroleum products, LPG, etc. as well as tanks designed for storage of bulk liquids, such as brewery tanks or solids, such as food or grain. We have the high-tech equipment and skilled staff to carry out advanced tank calibration surveys, providing you with the most accurate data available. The software we use is versatile and works with a variety of tank shapes and sizes. Although we use state-of-the-art equipment and highly-trained staff, the service we offer is highly cost effective. Our technicians and engineers use laser measuring devices to speed up the surveys, while also guaranteeing a high degree of accuracy. We also offer an Electro Optical Distance Ranging (EODR) laser scanning service for greater speed, safety and lower impact when strapping tanks used for storage. All of our tank calibration services adhere to international standards ISO or standards set by API (American Petroleum Institute).

Tank Structural Profile.



M/S. GIRISH CHANDRA GHOSH & G.G.S.



MSV SETTLEMENT SURVEY

Purpose of Settlement Survey Report of Mounded Storage Vessel



Diagram of Mounded Storage Vessel

Purpose of Settlement Survey Report

- Any Structure Built on soil is subjected to settlement. Some settlement is intrinsic in nature and this is depending on situation, some settlements are tolerable.
- At equilibrium, the application of external load to the soil surface produces the surface produces the volume change of soil, this changes referred to as settlement and it is due to compressibility characteristic of soil.
- Settlement can be occur due to major earthquake, cloudburst and major Flood.
- Necessary Steps should be taken after crossing the permissible limit of the MSV.(provided by the Fabricator according to the size of tank)

Scope of Work:

- Necessary As per OISD-STD-150, Settlement Check of Mounded Storage Vessel is necessary on half yearly basis.
- Necessary Whether Provision of minimum three reference points (one each near the vessel
- Necessary Ends and one in the middle) have been made for monitoring the settlement.
- Necessary Whether Minimum two permanent Bench Mark have been provided away from the MSVs and earmarked.
- Necessary Whether Level of Bench Mark is traceable wrt to the Original Bench Mark from where it was transferred to MSV site.
- Necessary Comment on the condition of reference points and Bench Mark.
- Necessary Spring Support has been provided for liquid inlet/outlet pipeline in the tunnel and Readings is being monitored on half yearly basis.
- Necessary Settlement Check has been done by using Total Station.

Made by Girish Chandra Ghosh & GGS

M/S. GIRISH CHANDRA GHOSH & G.G.S



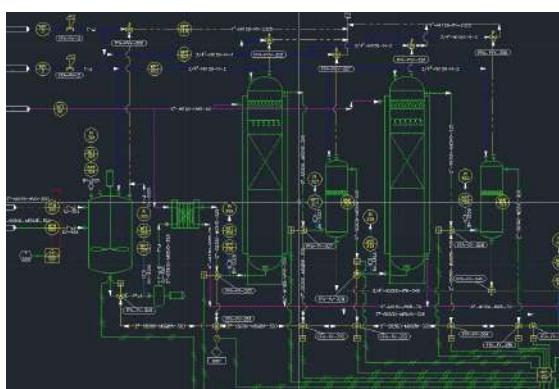


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M/s. Girish Chandra Ghosh & G.G.S.

is a premier of piping and instrumentation diagram/drawing (P&ID) services provider that is delivered on time, on budget and which embraces the latest AutoCAD technology. A P&ID is a detailed graphical representation of a process including the hardware and software (e.g., piping, equipment, instrumentation) necessary to design, construct and operate the facility. We provide piping and instrumentation diagram (P&ID) services to those engineers who wishing to outsource their mechanical projects.

Piping and instrumentation diagram (P&ID) play a very significant role in the maintenance and modification of the process. Our mechanical engineering teams of young minds and experienced heads have ability to satisfy our client's P&ID projects needs with expertise in managing mechanical engineering drawings and designs used in a variety of industries.



P&ID DRAWINGS SERVICES— PIPING AND INSTRUMENTATION DIAGRAM/DRAWING (P&ID)

M/S. GIRISH CHANDRA GHOSH & G.G.S. BASIC PROCESS FOR CREATING P&ID



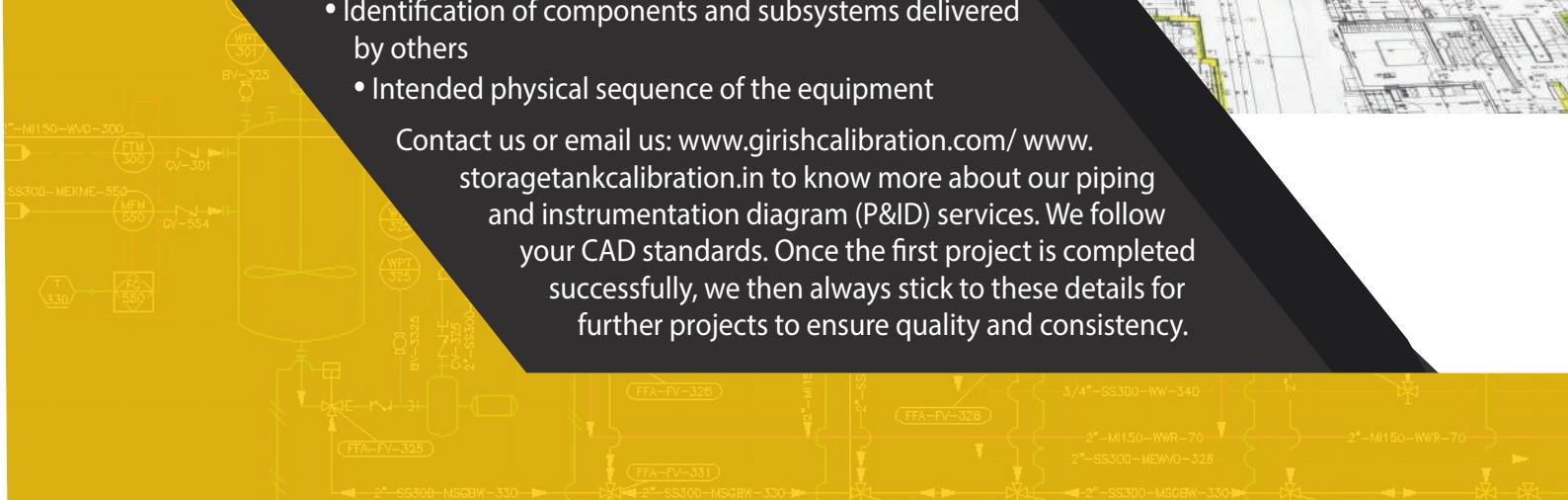
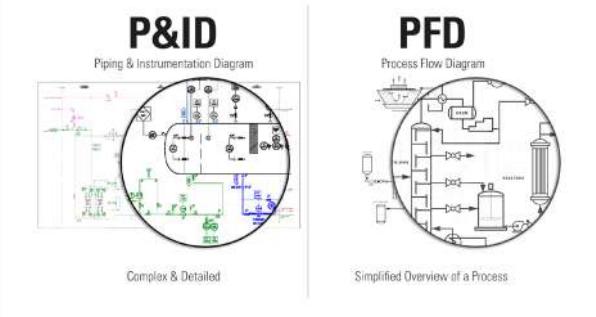
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M/S. GIRISH CHANDRA GHOSH & G.G.S. – PIPING AND INSTRUMENTATION DIAGRAM INCLUDES:

- Pipe
- Instrumentation and designations
- Mechanical equipment with names and numbers
- All valves and their identifications
- Process piping, sizes and identification
- Miscellaneous – vents, drains, special fittings, sampling lines, reducers, increasers and sewages
- Permanent start-up and flush lines
 - Flow directions
 - Interconnections references
 - Control inputs and outputs, interlocks
 - Interfaces for class changes
 - Quality level
 - Computer control system input
 - Identification of components and subsystems delivered by others
 - Intended physical sequence of the equipment

Contact us or email us: www.girishcalibration.com/ www.storagetankcalibration.in to know more about our piping and instrumentation diagram (P&ID) services. We follow your CAD standards. Once the first project is completed successfully, we then always stick to these details for further projects to ensure quality and consistency.

- Pipe lines are represented by single lines in P&ID
- Instrumentation signals and connection lines are represented by different types of dashed lines
- P&ID should be readable either from left to right or from right to left of the drawing
- P&ID is the representation of the process equipment/instruments sequence and not the distances between the equipment's/instruments





M/S. GIRISH CHANDRA GHOSH & G.G.S

- Digital Weighing Machine (complete Weighing Solution)
- Govt. of India approved Manufacturer of Digital Weighing Machine
- Approved License from Directorate of Legal Metrology, Govt. of West Bengal
- Govt. Approved manufacturer & Repairer of Weighing Machine, Measuring Instrument



Beam Scale, Weights, Oil bulk Flow Meter, Liquor Measures and Weighbridge maintenance

BENGAL'S HERITAGE AND MANY AWARD WINNER COMPANY

Repairing, Annual Maintenance & Re-verification Assistance Work

We take pleasure to introduce ourselves as leading weighing machine (Electronic & Mechanical) manufacturer/ repairer/maintenance contractor and dealer in West Bengal since long time, also provide service for Bulk Flow meter. We do coordination work with Legal Metrology Dept. and follow their acts and rules.

According to statutory obligation each weighing scale has to be re-verify every year by the office of Legal Metrology (Weight & Measure Dept.) Govt. of West Bengal.

Accuracy in your Weighing scale will meet statutory obligation of Legal Metrology Dept. and ascertain gain or loss in sales/purchase to provide reliable means of maintaining adequate control over production/ protection/consumer benefit also.

Many national, Multinational and private reputed concerns having service from our company regarding repairing/maintenance and re-verification assistance every year. We are always at your service.

- Digital Weighing Machine
- Mechanical Weighing Machine
- Beam Scale & Weights
- Digital Hanging Scale
- Weighbridge
- Liquor Measures



ONE STOP SERVICE



LIQUOR MEASURES

- ONGH Brand
- 30/60 ml Combined
- Brass & Silver Plated

LIQUOR MEASURES

As per Legal Metrology (General) Rules, 2011, Sixth Schedule-Part-III

1. General
2. Type

HAND OPERATED

3. Denominations

The Denominations of the types of liquor measures shall be as given below:-

Hand operated

The body of the liquor measures is brass sheets with silver plated in both side (Inside as well as outside) the minimum thickness of the sheet for liquor

30 ml and 60 ml.

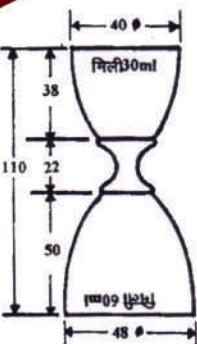
4. Material

The body of the liquor measures is brass sheets with silver plated in both side (Inside as well as outside) the minimum thickness of the sheet for liquor

measures shall be 1.2 mm

5. Shapes and dimensions

The shapes and nominal dimensions of hand operated liquor measures shall be as given figs.



Shape & Nominal Dimensions of Combined Liquor Measures 60 ml. & 30 ml.



M/S. GIRISH CHANDRA GHOSH & G.G.S
Licensed Manufacturer approved by
Legal Metrology Dept. Govt. of West Bengal
Many Award Winner Company

Registered & certified



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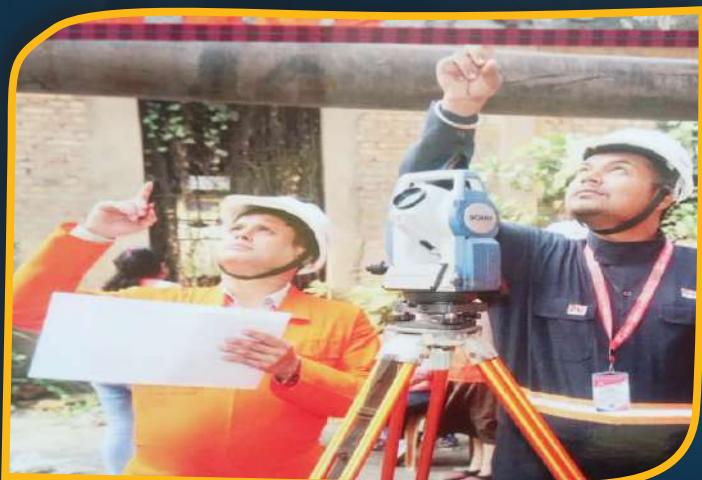
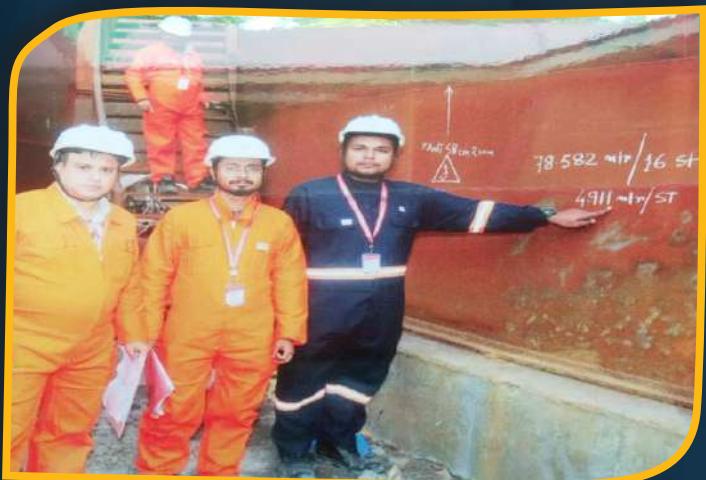
supriyo.ghosh7@gmail.com

www.girishcalibration.com

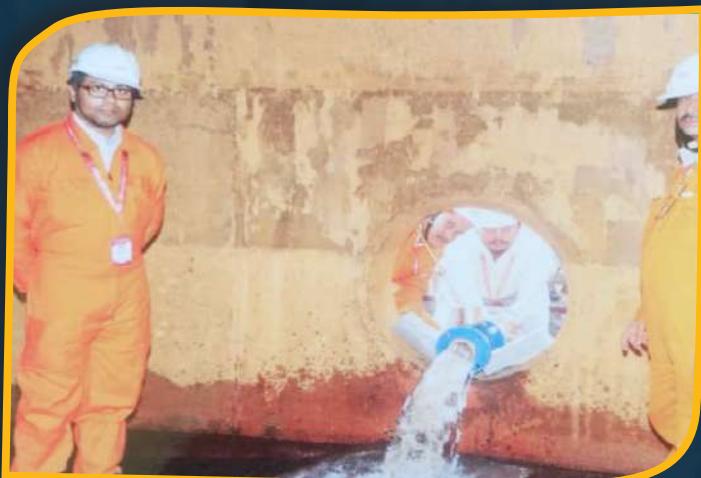
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OUR TEAM IN ACTION



OUR TEAM IN ACTION



AWARDS



1954 Awarded Silver Medal by former Prime Minister Pandit Jawaharlal Nehru & former Chief Minister Dr. Bidhan Chandra Roy at Kalyani Industrial Exhibition in 1954



FOR BEAM SCALE WINNER
DIPLOMA OF HONOUR IN
THE CALCUTTA INDUSTRIAL
EXHIBITION (1902-1903)



2009 Received Certificate & Memento of Appreciation from IOCL, Haldia Refinery, as enlisted Vendor in 2009



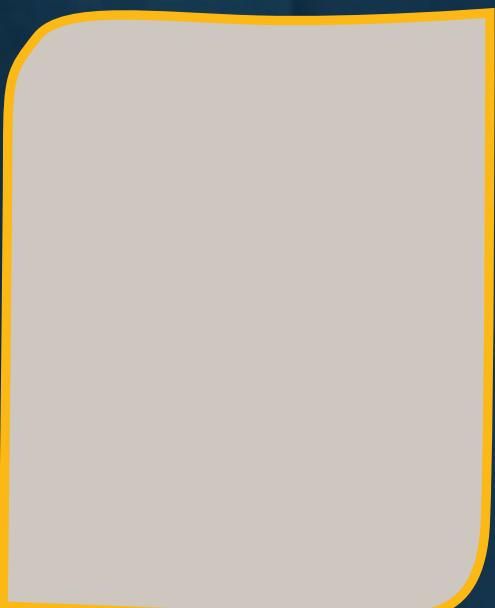
2010 FOSMI AWARD of EXCELLENCE received in Service Sector 2nd Prize-2010. Received from Mr. Somnath Chatterjee, Ex. Loksabah speaker & from Mr. Manab Mukherjee, MSME Minister, Govt. of West Bengal



2011 National Award -2011 for Business Excellency from All India Achievers Foundation in New Delhi



2012 AWARD OF EXCELLENCE FOR OUTSTANDING ACHIEVEMENT IN SERVICE SECTOR (2012). FOSMI Award of Excellence in Service Sector 2012 1ST Prize.



2011 Received Memento from IOCL for Business Excellence from IAC at Thailand, Bangkok in 2011



2012 BHARAT GAURAV AWARD FOR EXCELLENCE From Association for Economic Growth & Social Development in Feb, 2012 New Delhi



2012 The Bengal chamber Award for Excellence in Manufacturing Practices of MSMEs 3rd Prize-2012.



2013 Winner of AWARD OF EXCELLENCE for Outstanding Achievement in Service Sector, 2013: receiving from Dr. A.P.J. Kalam, former President of India



2013 Winner of Bengal Chamber of Commerce Special Jury Award in service sector, 2013: receiving from Mr. K. H Muniyappa, Central MSME Minister



2016 Winner of FASSI AWARD OF EXCELLENCE in 2016



2017 Winner of Bengal Chamber of Commerce AWARD OF EXCELLENCE for MSMEs in 2017



2018 Entrepreneur Excellence Award Business Accelerator Summit 2018, kolkata Presented to Shri Supriyo Ghosh, M/s Girish Chandra Ghosh & G.G.S, WB



2018 Achieved Felicitation from Aloy -Fera, GANO BIBAHA Function as North Calcutta, Heritage Business in Bengal in 2018



2020 Winner of Biswa Banglar Gaurav as Entrepreneur & Social Worker 2020 from ANNYADIN at PRESS CLUB, KOLKATA.



2022 Award for Overall performance of the year 2021-2022 from Rotary Club Budge Budge Venue: Calcutta Club. (3rd August 2022)



2022 Heritage and Old Company Award of the year 2021-2022 from Bangla Hunt (Bengal's largest media Digital network) Venue: Fairfield Marriot. (30th July, 2022)



2023 Award for Best Heritage Brand of the Year 2023 For Outstanding Contribution to Brand Development and Innovation From Universal Records forum (URF) Venue Eastern Metropolitan Club, on 4th March 2023



2024 Award For Leadership Legacy In Multidisciplinary Business Establishments From News 18 Bangla (News 18 Network)

TRADE FAIR PARTICIPANTS SCIENCE CITY PREMISES 2012 :



Seminar on Consumer Affairs – 2013



Participating in a TV Programme on Consumer Rights - 2013



Participation in Consumer Affairs Fair at Netaji Indoor Stadium 2013 :



MILAN MELA 2014



2017 GEW SUMMIT AT ST. PETERSBURG RUSSIA



KRETA SURAKSHA MELA AT NETAJI INDOOR STADIUM 2023



FELICITATION FROM GCG & GGS. 2023



BCC&I WORLD MSME DAY FAIR 2023



TRADE FAIR VENDOR DEVELOPMENT PROGRAMME AT KHARAGPUR 2023



M/s Girish Chandra Ghosh & GGS is deeply committed to fulfilling its social responsibilities, which are managed through its G.H. Welfare Foundation Trust. Here are some highlights of their initiatives:



**4TH EDITION OF BCC&I HERITAGE WALK 2024
EVENT SPONSOR GCG & GGS.**



G.H. WELFARE FOUNDATION TRUST CORPORATE SOCIAL RESPONSIBILITY ACTIVITIES



Govt. Licensed calibrator of Liquid Storage Tank in West Bengal, Odisha, Jarkhand, Bihar, MP, UP, Haryana, Goa, Chhattisgarh, Sikkim, Assam, Punjab, Gujarat & Rajasthan



Worked at Abroad:-
Nepal, Bangladesh, Bhutan, Kenya, Nigeria, Dubai-UAE, Somalia & Tanzania

G.H. WELFARE FOUNDATION TRUST CORPORATE SOCIAL RESPONSIBILITY ACTIVITIES





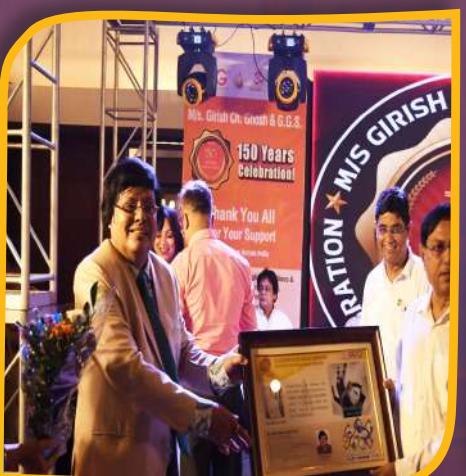
M/S. GIRISH CHANDRA GHOSH & G.G.S. BENGALI NEW YEAR CELEBRATION





13th April, 2024
The Park Hotel
Kolkata





Colourful celebration of 150 years by M/s Girish Chandra Ghosh & GGS at The Hotel Park, Kolkata.

14th April, 2024

Glimpse of

Inaugural Ceremony, Faciliation Ceremony, Cultural Event & Cake Cutting Celebration by Team Members





THE PARK

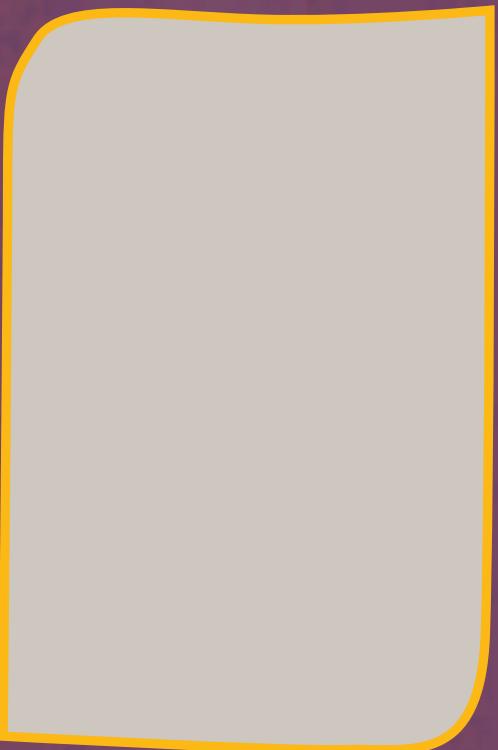




Without the element of enjoyment,
it is not worth trying to excel at
anything.



14th April, 2024
The Legacy Banquets
Kolkata





**Colourful celebration of 150 years
by M/s Girish Chandra Ghosh & GGS
at The Legacy Banquets, Kolkata.**

14th April, 2024

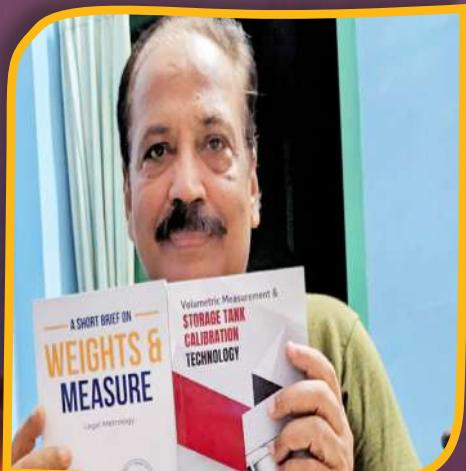
Glimpse of

Inaugural Ceremony, Faciliation Ceremony & Cultural Event





Other Glimpse



RUSSIA

Supriyo Ghosh has demonstrated his multifaceted business acumen both in India and internationally. Under his leadership, **M/s Girish Chandra Ghosh & GGS** Participated in **GEW Summit at St. Petersburg, Russia** in 2017. During this seminar, Supriyo Ghosh established technical partnerships with several companies, significantly enhancing the efficiency of tank calibration operations in India. **M/s Girish Chandra Ghosh & GGS** stands out as the sole company in the country delivering high-quality services to domestic clients utilizing advanced foreign technology.



Some Other Glimpse





A business delegation led by Chairman Shri Gautam Ray of Bengal Chamber of Commerce and Industry (BCCI) visited **United Kingdom (UK)** from **6th May 2024 to 9th May 2024**. The visit included **Edinburgh, Scotland, Glasgow and London**. Managing Partner of M/s Girish Chandra Ghosh & GGS Supriyo Ghosh participated in this delegation and held several business meetings with representatives of reputed companies of United Kingdom, which opened many new opportunities for **M/s Girish Chandra Ghosh & GGS**.







सूक्ष्म, लघु और मध्यम उद्यम मंत्रालय
MINISTRY OF
MICRO, SMALL &
MEDIUM ENTERPRISES

CERTIFICATE



ZED BRONZE

under MSME Sustainable (ZED) Certification Scheme
awarded to

GIRISH CHANDRA GHOSH & G.G.S

UNIT NAME

Flat No:- 40/2, GROUND FLOOR, Building:- -, Road/Street:- BARRACKPORE TRUNK ROAD, Village/Town:- -, Block:- BLOCK-C, City:- KOLKATA, KOLKOTA, WEST BENGAL- 700002

UNIT ADDRESS

28-Manufacture of machinery and equipment n.e.c.

CODE (AS PER NIC-2008)

UDYAM-WB-10-0006196

UDYAM REGISTRATION NUMBER

Issued on :
October 18, 2023

Certificate Validity :
Three years from the date of issue



Certificate No. 18102023_102988

This Certificate has been awarded after fulfilling all relevant requirements as laid down in the
MSME Sustainable (ZED) Certification Scheme Guidelines for this Certification Level.
Award of this Certificate does not substitute any legal requirement needed for setting up or operating an MSME Unit.

Ratings

CRISIL
An S&P Global Company

This is to certify that and must be read in conjunction with the report
Girish Chandra Ghosh and G.G.S. has been issued a
CRISIL Verified ID No. 130053 Under this Certificate
on September 27, 2018



This ID is valid till September 26, 2019
This certificate is accompanied by a CRISIL Verified report

R. Vasudevan

Business Head SME Ratings



एन.एस.आई.सी
NSIC
ISO 9001:2008

NATIONAL SMALL INDUSTRIES CORPORATION LIMITED
ZONAL OFFICE, EAST
20B, ABDUL HAMID STREET, 7TH FLOOR,
KOLKATA – 700 069

*This is to certify that M/s. **Girish Chandra Ghosh & G.G.S.**, 39A, B. T. Road, Katakal, Kol - 2 has participated in MSME Marketing Expo, 2012 (concurrent with 25th Industrial India Trade Fair, Kolkata) organized by National Small Industries Corporation Ltd., Zonal Office, East at Science City, Kolkata from 2nd November to 11th November, 2012. This office wishes them the very best in their future endeavours.*

Date: 11th November, 2012
Place: Kolkata

Zonal General Manager
NSIC, East & North East



Certificate Of Registration QUALITY MANAGEMENT SYSTEM

This is to Certify that the Quality Management System
of

GIRISH CHANDRA GHOSH & G.G.S

Address:

i) 402, B.T. Road, Sonajhuri Apartment, Kolkata- 700 002, West Bengal, India.
ii) Regd. Office: 394, B.T.Road, Kantakal, Kolkata- 700 002, West Bengal, India.
iii) Works: 37B, B.T. Road, Kantakal, Kolkata- 700 002, West Bengal, India.

has been assessed and found to comply with the requirements of:

ISO 9001:2015

(Quality Management System)

Scope of Certification:

i) Manufacturing, Assembling and Repairing of Scale, Weighing Machine, Weights.
ii) Manufacturing & Assembling of Peg Measure
iii) Providing Service related to
a. Calibration of Storage Tank b. Industrial NDT / Non Destructive Test Work
c. Tank Settlement Survey & Roundness Inspection d. Plant Layout Drawing
e. Re-verification of Flow Meter, Filling Machine, Weigh Bridge, Weighing Machine, Proving Measure, CI Weights.

Sector Code: (M-71.12)

Certificate Number: IN/QMS/01293/7190

Issue no.: 02

Date of approval : 03.10.2021

Valid until : 02.10.2024

Revision no.: nil

Revision date : nil

Original Certification Date: 03.10.2016

S. Dutta

Managing Director

Surveillance Audit 2nd year

August 2021

August 2022

Surveillance Audit 1st Year

MSCB- 240

IAS

IAF

ACCREDITED

PEAK CERTIFICATION

MS CERT

MS CERTIFICATION SERVICES PVT. LTD.

Address: 3/23, R.K. Chatterjee Road, Kolkata-700042, West Bengal, India.

www.msclassification.net

The validity of this certificate can be verified at register or www.msclassification.net

The Certificate is Valid Only if the Annual Surveillance Mark is Signed by Auditor on Original.

F66.rev.05



Certificate of Registration

This is to certify that

GIRISH CHANDRA GHOSH & G.G.S

Corporate Office: 40/2, B. T. ROAD, SONAJHURI APARTMENT, GROUND FLOOR BLOCK - B & C,

KOLKATA - 700002, WEST BENGAL, INDIA

Works Unit I: 37B, B. T. ROAD, KANTAKAL, KOLKATA-700002, WEST BENGAL, INDIA

Works Unit II: 37A, B. T. ROAD, KANTAKAL, KOLKATA-700002, WEST BENGAL, INDIA

Has been assessed and certified by QAMS Certification and found to be in compliance with the requirements of

ISO/IEC 17025:2017

(TESTING AND CALIBRATION LABORATORIES)

For the following Scope of Activities:

MANUFACTURING AND REPAIRING OF WEIGHING INSTRUMENTS (MECHANICAL), INCLUDING NON-AUTOMATIC AND AUTOMATIC WEIGHING INSTRUMENTS, MECHANICAL WEIGHS, LIQUOR MEASURE OF CAPACITY 50 ML & 60 ML DISCHARGED, WEIGHBRIDGE, PROVIDING SERVICE RELATED TO CALIBRATION OF STORAGE TANK, INDUSTRIAL NDT (NON DESTRUCTIVE TEST) WORK, TANK SETTLEMENT SURVEY & ROUNDNESS INSPECTION, PLANT LAYOUT DRAWING, RE-VERIFICATION OF FLOW METER, FILLING MACHINE, WEIGH BRIDGE, WEIGHING MACHINE, PROVING MEASURE, CI WEIGHTS

Certificate Number :: 23UTAF6913

Date of issue : 15 February 2024
First Surveillance Audit on or before : 14 February 2025
Second Surveillance Audit on or before : 14 February 2026
Re-certification due on : 14 February 2027

To verify certificate visit at:

www.qamsglobal.com/search.php

REGD. NO. UKAF-CH-007



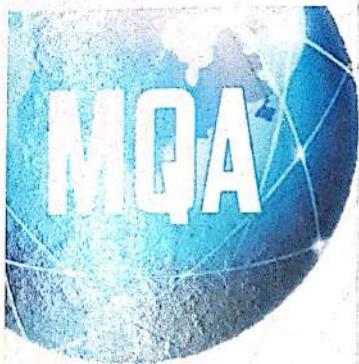
ISO 17025



Authorised Signatory
QAMS Certification
D- 93, Sector 10, Noida- 201301
Uttar Pradesh, India

Accreditation Board : UKA Forum Limited, 71-75, Shelton Street, Convent Garden, London, WC2H 9JQ
QAMS CERTIFICATION is a trademark from UKA Forum Limited, London, UK. The certificate remains the property of QAMS and must be returned to QAMS if it is to be re-used. The certificate is valid to the next assessment of surveillance audit. A new certificate regarding the scope of the certificate and its application can be obtained by consulting the organization on cert@qamsglobal.com





MQA Certification

Certificate of Compliance

We hereby declare that the technical file of product complied with the requirement of Machinery Directive (2006/42/EU) & Low Voltage Directive (2006/95/EC).

Manufacturer:

Name : GIRISH CHANDRA GHOSH & G.G.S

**Address : CORP. OFFICE : GROUND FLOOR, 40/2, SONAJHURI APARTMENT,
BARRACKPORE, TRUNK ROAD, BLOCK-B, KOLKATA - 700002, WEST
BENGAL, INDIA**

Work address: 37B, B. T. ROAD, KOLKATA – 700002, WEST BENGAL, INDIA

**Product: WEIGHTS, MEASURES, WEIGHING SCALES, JEWELLERY SCALE,
PLATFORM SCALE, TABLE TOP SCALE, HANGING SCALE, INCLUDING NON
AUTOMATIC WEIGHING INSTRUMENTS ACCURACY CLASSES II, III & IIII,
LIQUOR MEASURE OF CAPACITY 30 ml & 60 ml COMBINED and WEIGHING
INSTRUMENTS (MECHANICAL).**

The certification body has performed an audit of the above product quality system covering the design, manufacture and final Inspection of certified product. The quality system has been assessed, approved and is subject to continuous surveillance according Machinery Directive (2006/42/EU) & Low Voltage Directive (2006/95/EC).

This certificate issued under the following conditions:

1. It applies only to the quality system maintained in the manufacturing of above referenced models and it does not substitute the design or type examination procedures, if requested
2. The certificate remains valid until the manufacturing conditions or the quality system are changed
3. The certificate validity is conditioned by positive results of surveillance audits
4. After fulfilling relevant EEC legislation, the manufacturer shall affix to each device, of the referenced models The CE mark as shown above can be used under the responsibility of the manufacturer after completion of an EEC Declaration of conformity and compliance with all relevant EEC Directives. The statement is based on a single evaluation of one sample of above mentioned product. Not imply an assessment of the whole production.
- 5.

:: Certificate No :: CE/22M0998

Date of initial registration: 18 July 2022

First Surveillance Audit on or before: 17 July 2023

Second Surveillance Audit on or before: 17 July 2024

Re-certification Due: 17 July 2025

**This Certificate is property of MQA and remains valid
Subject to satisfactory surveillance audits.**

Authorized Signatory

MQA CERTIFICATION SERVICES

H-03, New Ram Nagar Colony, Mathura
Road, Hailras-204101, U.P., India



To check validity of the certificate please visit at www.mqacertification.com

This certification of registration is issued by MQA Certification Services accredited with UK SAF LIMITED Accreditation Board For Certification Bodies (www.ukasaf.org.uk). This certificate remains the property of MQA Certification Services and must be returned upon request.



An India SME Forum Initiative

ICICI Bank
presents

BUSINESS LEADERSHIP SERIES

Target 1000 Crores

**mentor4
ENTREPRENEUR**

This Certificate is Awarded to

S. Ghosh

BUSINESS LEADER

for Participation & Successful Completion of the Workshop on Business Leadership

Conducted on 4th DEC '15 at HOTEL PARK PLAZA, KOLKATA.

Sushma

SUSHMA MORTHANIA
Director General
India SME Forum

An Initiative of



Banking Partner



Technology Partner



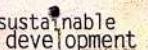
SME Exchange Partner



Telecom Partner



Knowledge Partner



Managed by



Federation of Small & Medium Industries, W.B.



23, R. N. MUKHERJEE ROAD, KOLKATA - 700 001

Phone : 2248 5114 / 2231 8382, Telefax : 2210 4075, E-mail : fosmi@cal3.vsnl.net.in / fosmiwb@bsnl.in

CERTIFICATE

This is to certify that **GIRISH CHANDRA GHOSH & GREAT GRAND SONS** a leading storage tank calibrator and manufacturer of different types of weighing scale machines have been awarded the 1st prize in the category of **OUTSTANDING ACHIEVEMENT IN THE SERVICE SECTOR** at the 11th FOSMI AWARDS FOR EXCELLENCE PROGRAMME held on 26 June 2012 at The Park, 17, Park Street, Kolkata - 700 016

BISWANATH BHATTACHARYA
PRESIDENT

MANASH GHOSH
CHAIRMAN

HIRANMAY GANGULY
SECRETARY

11th FOSMI Awards for Excellence Committee



26th INDUSTRIAL INDIA TRADE FAIR

BNCI



Certificate of Participation

The Industrial India Trade Fair Committee thank

M/s Girish Chandra Ghosh & C.G.S. (N.S.I.C.)

for participating in the **26th Industrial India Trade fair**
held at Milan Mela during 27th December 2013 - 5th January 2014
and co-operating with the Committee in making it a grand success.

Dibyendu Basu

President

Bengal National Chamber of Commerce & Industry

Sandip Sen

Chairman

Industrial India Trade Fair Committee



The Bengal Chamber of Commerce and Industry



BIMS

This is to certify that

Girish Chandra Ghosh & GGS

has been recognized as one of the best case study presentations

under

"Service Category in Micro, Small and Medium Enterprises"

in the programme

"Ninth Annual Excellence Awards for Micro, Small and Medium Enterprises"
organized by

The Bengal Chamber of Commerce and Industry

and

Bharatiya Vidya Bhavan Institute of Management Science

held on

Saturday, 18th February 2017

at

The Bengal Chamber of Commerce and Industry, Kolkata

The panel of judges from industry and the Chamber congratulate the organization
for their role in creating value for the company, the employees and the industry

Prof (Dr) Ramakanta Patra

Principal

Bharatiya Vidya Bhavan Institute
of Management Science

Debkumar Basu

Chairperson

Manufacturing & MSME Committee
The Bengal Chamber of Commerce and Industry

CERTIFICATE OF PARTICIPATION

This is to certify that
Supriyo Ghosh

of
Girish Chandra Ghosh & G G S

had participated in the
Workshop on LEAN MANAGEMENT – The Key to Success

organized by
The Bengal Chamber of Commerce and Industry (BCC&I)

in association with
TQM International Pvt Ltd (TQMI)
on
5th & 6th July 2019
at

The Bengal Chamber, Kolkata


Mr Debkumar Basu
Chairperson
Manufacturing and MSME Committee
BCC&I


Mr Deepak Kulshrestha
Principal Consultant
TQMI



Certificate of Participation

This is to certify that

Mr Supriyo Ghosh

of

M/s Girish Ch. Ghosh & GGS

*had participated in the
"Workshop on Lean Six Sigma"*

organized by

The Bengal Chamber of Commerce and Industry

in partnership with

The Indian Institute of Technology, Kharagpur

on

15th and 16th May 2013

at

The Bengal Chamber of Commerce and Industry
(6, Netaji Subhas Road, Kolkata – 700 001)


Mr P Roy

Director General
The Bengal Chamber


Dr Jitesh J Thakkar

Co-ordinator

Indian Institute of Technology, Kharagpur



Certificate

OF PARTICIPATION

This is to certify that

Supriyo Ghosh
of
Girish Chandra Ghosh & G.G.S.

had participated in the
Training cum Workshop on "FUNDAMENTALS OF INDUSTRIAL SAFETY & BEST PRACTICES IN SAFETY"

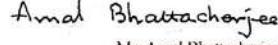
organized by
The Bengal Chamber of Commerce and Industry (BCC&I)

in association with
Synergy Management Services

on
20th September 2019

at
The Bengal Chamber, Kolkata


Mr. Debkumar Basu
Chairperson
Manufacturing & MSME Committee
BCC&I


Mr. Amal Bhattacharjee
Director & Lead Consultant
SYNERGY MANAGEMENT SERVICES

The Bengal Chamber of Commerce and Industry

This is to certify that


M/S Girish Chandra Ghosh & G.G.S.

has participated in the programme

"Excellence Award for Micro Small and Medium Enterprises"

organized by
The Bengal Chamber of Commerce and Industry

held on

Saturday, 16th January, 2016

at the

Hotel The Park, 17, Park Street, Kolkata 700 016

The Panel of judges, from industry and the Chamber congratulate the organisation for their role in creating
value for the company, the employees and the industry.



Debasis Jana
Co-Chairperson
Manufacturing Committee
The Bengal Chamber of Commerce and Industry



Debkumar Basu
Co-Chairperson
Manufacturing Committee
The Bengal Chamber of Commerce and Industry

**Institute of
Modern
Management**



Dated _____
3, LOUDON STREET
CALCUTTA-700 017

**Post Graduate Diploma
in
Business Management**

It is Certified that *Supriyo Ghosh* has completed the study of the Institute's Management Programme during the academic session *Thirty Seven* and passed the qualifying examination and is placed in the *Second* class and is awarded this Post Graduate Diploma in Business Management.

Samar Mukherjee
Samar Mukherjee
Director



10TH (SWAMIJI) SCOUT GROUP
North Calcutta Bharat Scouts & Guides
19A, Rai Mathuramath Chowdhury Street, Kol-700 036
Phone : 2555-2769 Mobile : 9830483095

To
Sri. *Supriyo Ghosh*
..... 46/2 B/T Road
Kol- 2 Kharatal.
Dear Brother,

I have the pleasure of informing you that at the Annual General Meeting of the Group held on Sunday, 26.8.18 you have been selected as Vice President of the Group Committee of the above Group for the year ending 31.12.2018 till next selection A.G.M.

Please signify your consent vide the under-noted form and return the same to the undersigned within 10 days from the date of issue of this letter.

Good Scouting.

Yours brotherly,
Mukherjee
(SAMAR MUKHERJEE)
Secretary

DIRECTORATE OF LEGAL METROLOGY
KHANDAGIRI, BHUBANESWAR-751030
(FOOD SUPPLIES & CONSUMER WELFARE DEPARTMENT)
GOVERNMENT OF ODISHA

CERTIFICATE OF APPRECIATION

This is to certify that **SHRI SUPRIYO GHOSH, Partner**
of M/s **Girish Chandra Ghosh and G.G.S., Kolkata** has imparted
Quality Training on Calibration of Storage Tanks on 18.10.2011 in the Training-cum-
Workshop hosted by the Directorate of Legal Metrology, Odisha, Bhubaneswar.

Date : 18.10.2011

Signature
Controller
Legal Metrology, Odisha



dated: 02-09-2013

Certificate No. RRS/SLA/02.09.2023/0231

भारत सरकार / GOVERNMENT OF INDIA

उत्तमोत्तमा मामले, खाद्य एवं सार्वजनिक वितरण मंत्रालय / MINISTRY OF CONSUMER AFFAIRS, FOOD & PUBLIC DISTRIBUTION

उत्तमोत्तमा मामले विभाग / DEPARTMENT OF CONSUMER AFFAIRS

श्रीमत निर्देश मामलक प्रयोगसामान्य / REGIONAL REFERENCE STANDARD LABORATORY

14, जोआर्टीसी, केज-1, चट्टग्राम, अमेडाबाद, गुजरात-382446, गुजरात/14, GIDC, VATVA, PHASE-1, AHMEDABAD, GUJARAT-382446, India

Email: phd-rsli@gov.in, ashutosh.agarwal13@nic.in, Phone No. +91-79-25831170, +91-9810258127

CERTIFICATE OF PARTICIPATION

This is to certify that **SUPRIYO GHOSH** participated in **National Workshop / Seminar on "CALIBRATION & TESTING OF NON-AUTOMATIC WEIGHING INSTRUMENT AS PER OIML RECOMMENDATIONS"** organized by **Regional Reference Standard Laboratory, Ahmedabad** on **02 September 2023**.

Signature
(Ashutosh Agarwal)
I/c Director (Legal Metrology)
Dy. Director (Legal Metrology)
& Head, RRS, Ahmedabad



Certificate of Participation

This is to certify that

Mr Supriyo Ghosh

of

M/s Girish Ch. Ghosh & GGS

had participated in the

"Workshop on Lean Six Sigma"

organized by

The Bengal Chamber of Commerce and Industry

in partnership with

The Indian Institute of Technology, Kharagpur

on

15th and 16th May 2013

at

The Bengal Chamber of Commerce and Industry

(6, Netaji Subhas Road, Kolkata - 700 001)



BCC & I
THE BENGAL CHAMBER

Certificate of Participation

This is to certify that

MR SUPRIYO GHOSH

of

GIRISH CH. GHOSH & GGS

had participated in the

"Workshop on Engineering Failure Analysis"

organized by

The Bengal Chamber of Commerce and Industry

in association with

Indian Institute of Technology, Kharagpur

on

18th & 19th August 2016

at

Hotel, The Park, Kolkata

Signature
Prof (Dr) Siddhartha Das
Prof (Dr) Siddhartha Das
Bengal Chamber of Commerce and Industry
Bengal Chamber of Commerce and Industry
Bengal Chamber of Commerce and Industry
Bengal Chamber of Commerce and Industry

Ratings

CRISIL
An S&P Global Company

CRISIL SME Rating

Girish Chandra Ghosh and G.G.S., West Bengal

has been awarded an CRISIL Rating of



On October 07, 2018 and valid till October 06, 2019
The rating 'SME 4*' Above Average level of creditworthiness, adjudged in relation to other SMEs.

R. Vasudevan
R. Vasudevan
Business Head
CRISIL SME Ratings



Certificate
OF PARTICIPATION

This is to certify that

Supriyo Ghosh

of

Girish Chandra Ghosh & G.G.S.

Training cum Workshop on "FUNDAMENTALS OF INDUSTRIAL SAFETY & BEST PRACTICES IN SAFETY"

The Bengal Chamber of Commerce and Industry (BCC&I)

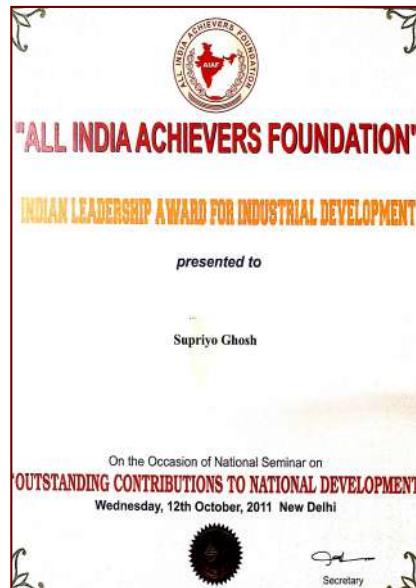
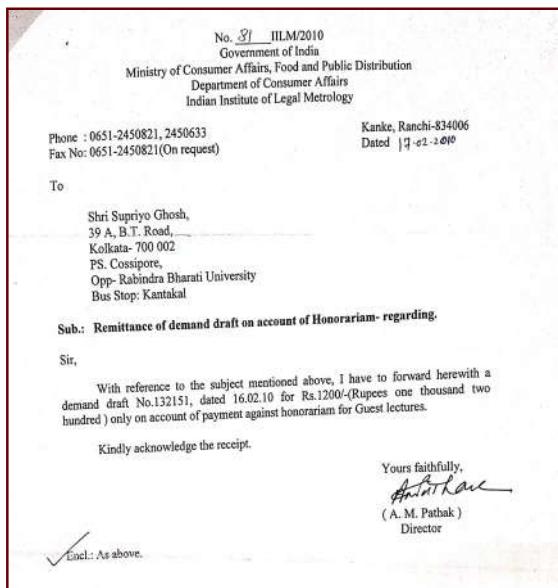
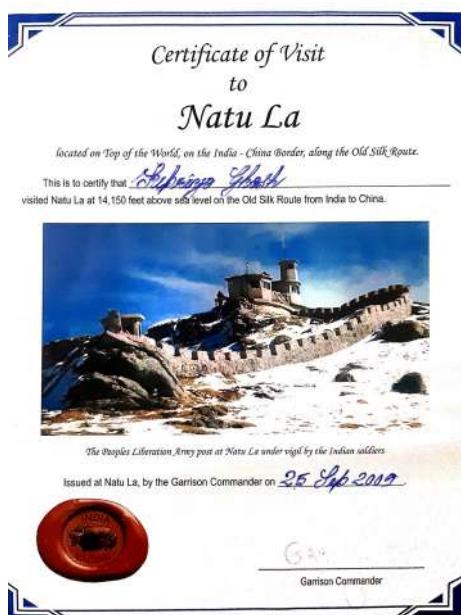
Synergy Management Services

20th September 2019

The Bengal Chamber, Kolkata

Signature
Mr. Debkumar Basu
Chairperson
Manufacturing Committee
BCC&I

Signature
Mr. Anil Bhattacharjee
Mr. Anil Bhattacharjee
Chairman & CEO
SYNTHESIS MANAGEMENT SERVICES



পৰিম্ৰজক সহকাৰী
ভৱানীক বিষয় বিভাগ
১১ অ. বিলো পালিগ়ুড়ী
মুন্সিগ়ৰ - ১০০ ০৯৭
মুন্সিগ়ৰ - ১২২২-২২০১৮
মুন্সিগ়ৰ - ২৩২৪-০৯৪/১০০৫

Memo No. : ৬৭৫ - CA/FBP
CA/FBP/O/6A-02/12

Government of West Bengal
Consumer Affairs Department
11A, Mirza Ghalib Street
Kolkata - 700 087
e-mail: cadwb@vsnl.net
Website : www.wbconsumers.gov.in

Date : 07/03/2013

To
The Assistant Station Director,
Prasar Bharati,
Broadcasting Corporation of India,
Doordarshan Kendra,
18/3, Uday Sankar Sarani,
Golf Green,
Kolkata - 700 095.

Sub : Change of participants, topic of discussion of the live-phone-in programme
titled KENAKATAR SATSATERO on 08.03.2013.

Ref: This office Memo No. 560/1/(9)-CA/FBP dt. 26.02.2013.

Sir/Madam,
Anent above, it is to inform you that Shri Smarajit Chaudhuri, Deputy Assistant Director, Consumer Affairs & Fair Business Practices and Shri Supriyo Ghosh, Chairman of the Consumer Affairs & Legal Metrology Committee, FOSMI (Federation of Small and Medium Industry), W.B. will participate at the live-phone-in programme titled KENAKATAR SATSATERO on 08.03.2013 from 08:30 p.m. to 09:00 p.m. to discuss "Role of Small and Medium Industry in Consumer Protection."

Yours faithfully,


Deputy Secretary

Date : 07/03/2013

Memo No. : ৬৭৫ - 1/14 - CA/FBP
CA/FBP/O/6A-02/12

Copy forwarded for information and necessary action to:

1. The Director, Consumer Affairs & Fair Business Practices, 8B, Nelia Sengupta Sarani, Kolkata - 700 087.
2. Shri Smarajit Chaudhuri, Deputy Assistant Director, Consumer Affairs & Fair Business Practices, 8B, Nelia Sengupta Sarani, Kolkata - 700 087.
- ✓ 3. Shri Supriyo Ghosh, 39A, B.T.Road, Kolkata - 700 002.
4. The President, Federation of Small and Medium Industries, W.B., 23, R.N.Mukherjee Road, Kolkata - 700 001.


Assistant Secretary



THE INSTITUTE OF COST ACCOUNTANTS OF INDIA
(Statutory body under an Act of Parliament)

EASTERN INDIA REGIONAL COUNCIL

CMA BHAWAN, 84, HARISH MUKHERJEE ROAD, KOLKATA-700 025

PHONES : 033-2455-5957
033-2455-0416
033-6455-3600-03
FAX : 033-6532-1075
E-mail : elrc@icwal.org
Website : www.elrcicwal.com

ERC/C/10004

Date: 24.08.2013

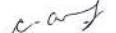
Shri Supriyo Ghosh,
Managing Director,
Girish Ch. Ghosh & G.G.S.,
39A, B. T. Road, Kantakal,
Kolkata - 700 002

Respected Sir,

It was a pleasure to know that you have received the " Outstanding Achievement in Service Sector " award organized by Federation of Small and Medium Industries, West Bengal.

I heartily congratulate you for your outstanding performance and truly deserving the said award.

With best wishes,


Chitra Agarwal
Chairperson

BCC &
THE BENGAL CHAMBER

This is to certify that the presentation of

Mr. Supriyo Ghosh

of

M/s. Girish Ch. Ghosh & GGS

has been appreciated by the Panists and recognized by the delegates and Organizing Committee members of BCC&I

for

**The Sixth Annual Bengal Chamber Award for
Excellence in Best Practices of MSMEs**

Organized by

The Bengal Chamber of Commerce & Industry (BCC&I)
(6, Netaji Subhas Road, Kolkata - 700 001)


M. P. Roy
Director General
The Bengal Chamber

LOK SABHA SECRETARIAT REGISTERED A.D.

Telegrams : LOKSABHA, NEW DELHI
FAX : 3010756

No. 19/1/FCA&PD/2005

PARLIAMENT HOUSE ANNEXE
NEW DELHI-110001

8th September, 2005

From
Jagdish Prasad,
Assistant Director,

To
Shri Supriyo Ghosh,
Eastern Regional Legal Metrology Licensees Association,
22/D, Narkel Danga Main Road,
Kolkata, 700010

Subject: Payment of T.A./D.A. Bill.

Sir,

I am directed to enclose herewith an Account Payee Cheque drawn on
SBI, Sansdiya Soudh, New Delhi bearing the No. 231291 dated 19.8.2005 for
Rs. 1520.00 towards TA/DA claim for appearing before the Committee on Food
Consumer Affairs and Public Distribution on 27.6.2005

Receipt of the cheque may kindly be acknowledged.

Yours faithfully,



ASSISTANT DIRECTOR

**FEDERATION OF SMALL &
MEDIUM INDUSTRIES, WB**



Biswanath Bhattacharya
President

23, R.N.Mukherjee Road, Kolkata 700001
Tel: +91 33 2248 6114, 4062 3143, Mobile: 9831099953
Telefax: +91 33 2210 4075
E-mail: fosmi.cat@gmail.com / president.fosmi@gmail.com
Website: www.fosmi.co.in

FOSMI/AGM/92 /2018-19

November 29, 2018

Shri Supriyo Ghosh
M/s. Girish Ch. Ghosh & GGS
40/2, B. T. Road,
Songaburi Apartment, Gr. Floor
Block - B, Kolkata - 700 002

Dear Sir:

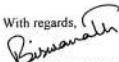
This refers to the 57th Annual General Meeting of our Federation held on 14 September 2018 at The Park Hotel, Kolkata.

We would like once again to take the opportunity to acknowledge and convey our most sincere appreciation to you for your generous sponsorship which went a long way in helping the event achieve the success it did.

We are pleased to enclose a photograph relating to it to be part of your memorabilia.

We do look forward to your continued association with our future activities.

Thank you very much indeed.

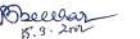
With regards,

(BISWANATH BHATTACHARYA)

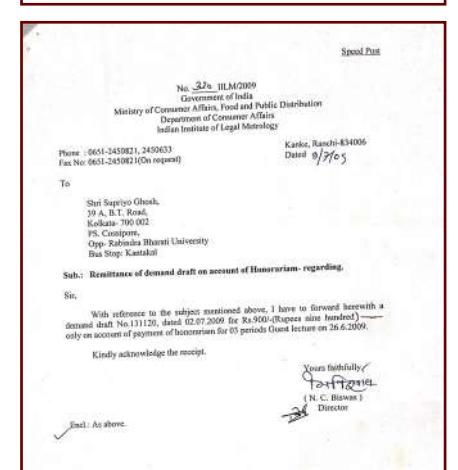
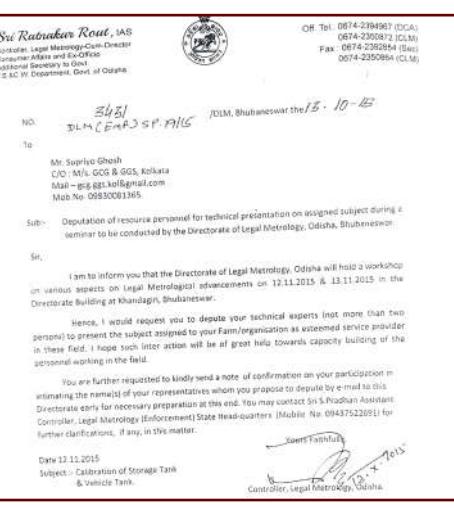
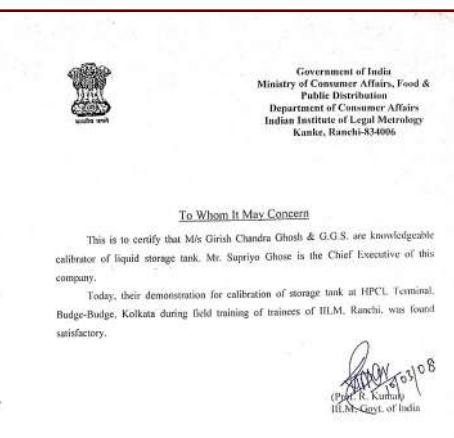
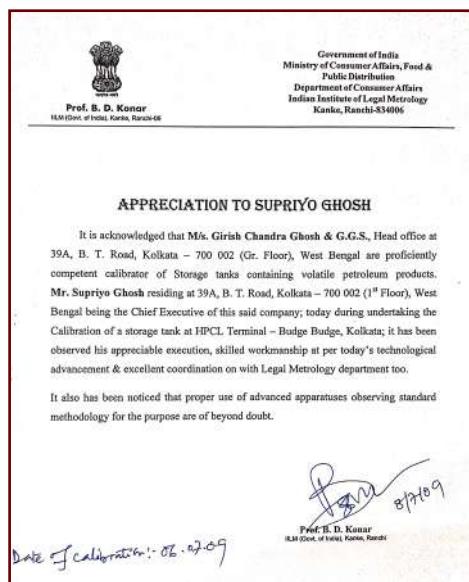
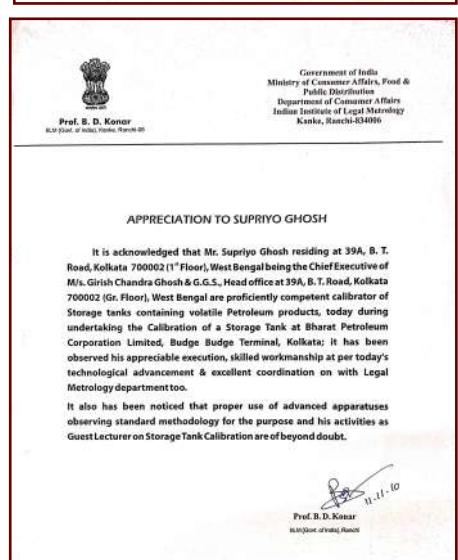
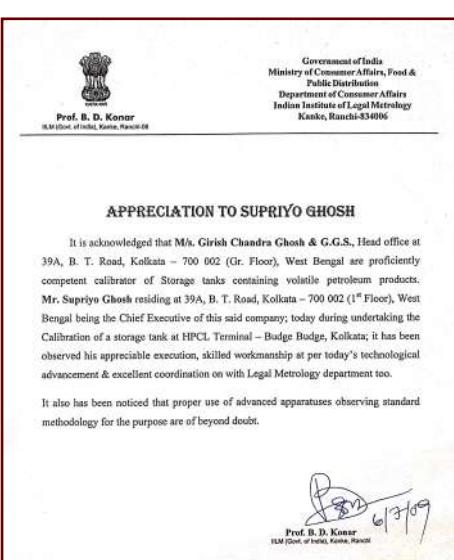
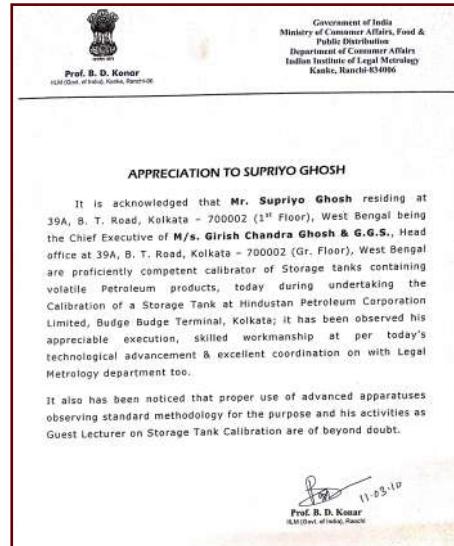
Encl:

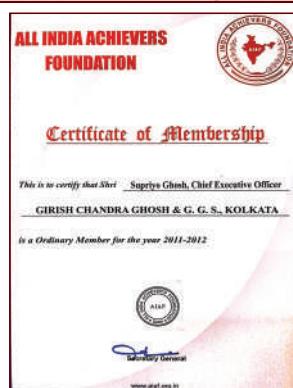
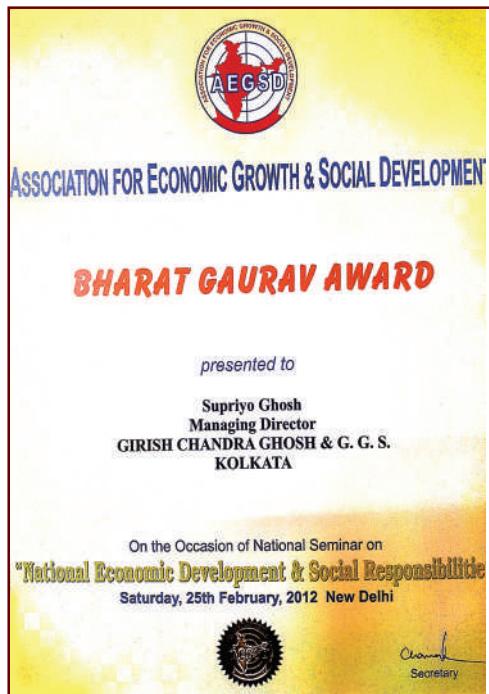
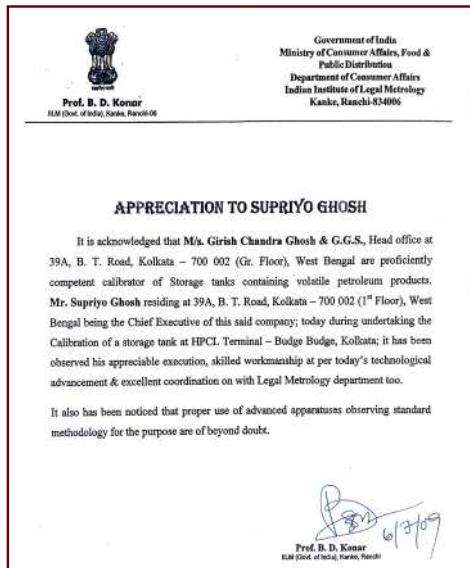
TO WHOM IT MAY CONCERN

This is to certify M/s. Girish Ch. Ghosh & G.G.S of
161, N. B. Road, Calcutta - 700007 has calibrated the
H.P.C.L. Oil Storage Tanks in my presence and also my
supervision. The party has passed all modern measuring
Instruments for the purpose of calibration work. I am
fully satisfied with their performance.



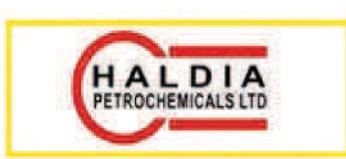

B. Ratan Sekhar,
Engineer & Ship Surveyor,
Mercantile Marine Department,
Calcutta District







OUR BELOVED CUSTOMER'S



OUR BELOVED CUSTOMER'S



OUR BELOVED CUSTOMER'S

Polba Agro Oroviteldd
 Dabur India Ltd.
 Jaya Food Product
 Soma Food Product
 Priya Food Product
 Acalmar Oils & Fats Ltd.
 Mother Diary Fruits & Vegetables Oils Pvt. Ltd.
 Ruchi Soya Industries Ltd.
 Gokul Refoils & Solvent Ltd.
 Adani Wilmar Ltd.
 Kanchan Oil Industries Ltd.
 Britannia Industries Ltd.
 Dhara Vegetable Oil Food Co. Ltd.
 Manasi Oils & Grains Ltd.
 Ambo Agro Product Ltd.
 Gem Refineries Ltd.
 Vegetable Products Ltd.
 Rasoi Co. Ltd.
 Sree Madhab Edible Product
 M. P. Glychem Industries Ltd. (Ruchi)
 Vinayak Fats & Oils Pvt. Ltd.
 Kemicare Products Ltd.
 Aditi Edible Oils Pvt. Ltd.
 Ganapati Solvent (P) Ltd.
 Kamal Solvent (P) Ltd.
 Kargil India Ltd.
 Soltex Pvt. Ltd. (Sahu)
 Maa Kali Oil Mill
 Paceman Sales Promotion Pvt. Ltd.
 Tremix India Pvt. Ltd.
 Balgopal Food Products (P) Ltd.
 Edible Products Pvt. Ltd.
 Budge Budge Refineries Ltd.
 Shiv Shakti Agro Ltd.
 Swastik Refinery Pvt. Ltd.
 Palm Products Pvt. Ltd.
 Co Co Cola Ltd.
 Shiv Shakti Agro India Ltd.
 Neha Confectionery Pvt. Ltd.
 RSH Agro Products Pvt. Ltd.
 Purti Vanaspati Pvt. Ltd.

IOCL (Refinery Terminal & Depot)
 HPCL
 BPCL
 IBP Co. Ltd. (Lube, Terminal, Depot & Caltex)
 Castrol India Ltd.
 Indian Oil Blending Ltd.
 Numaligarh Refinery Ltd.
 United Storage & Tank Terminal Ltd.
 Essar Oil Ltd.
 Haldia Petrochemicals Ltd.
 Reliance Industries Ltd.
 Mangalore Lubricants Pvt. Ltd.
 Damodar Valley Corp.
 S. K. Oil Company
 Budge Budge Refinery Ltd.
 IOCL Haldia-Barauni Pipeline Ltd.
 Hindustan Storage & Distribution Co. Ltd.
 Indian Oil Petronas Pvt. Ltd.
 Balmer Lawrie & Co. Ltd.
 C.E.S.C. Ltd.
 N.T.P.C. Ltd.
 Pensol India Ltd.
 IB Thermal Power Station
 Palriwal Hydro Carbons & Chemicals Pvt. Ltd.
 Haldia Cogeneration Ltd.
 Tata Power Co. Ltd.
 IMC Ltd.
 Pensol Industries Ltd.
 Bharat Lube Industries Pvt. Ltd.
 Marcus Oil Ltd.
 Praxair India Pvt. Ltd.
 Haldia Dock Complex
 M. N. Tola Jaleshware
 Petro Carbon Products Limited
 Kolaghat Thermal Power Station
 Bokreswar Thermal Power Station
 The Waxpol Industries Ltd.
 N. P. P. C. Sail Power & Ispat Ltd.
 Bajrang Power & Ispat Ltd.
 Haldia Power Ltd.
 Bristol Petroleum Ltd.

OUR BELOVED CUSTOMER'S

Bhartiya Reserve Bank Note
 Mudran Ltd.
 Coco Bhabanipur
 Thyssenkrup Industrial Solutions
 Supreme Paper Mills Ltd.
 Pearl Global Industries Ltd.
 Durgapur Projects Ltd.
 Nari Mangal Silpa Pratisthan
 Braithwaite & Co. Ltd.
 Emerson Automation Solution (India) Pvt. Ltd.
 Reliance Jute Mills (International) Ltd.
 Ampex Packaging Pvt. Ltd.
 Cheviot Company Ltd.
 Esab India Ltd.
 Sharp Ferro Alloys Ltd.
 Agarpara Jute Mills Ltd.
 Crescent Jute Company Pvt. Ltd.
 Hyatt Regency
 Tripura Small Industries Corp. Ltd.
 Kritika Wires Pvt. Ltd.
 Anglo India Jute & Textile Industries Pvt. Ltd.
 Tata Motors Ltd.
 Diana Ceramics
 Replica Ceramic Industries (P) Ltd.
 UCO Ceramics
 Nayak Paper Industries Pvt. Ltd.
 Taj Bengal
 Air Enterprise
 Art Potteries (P) Ltd.
 Reliance Potteries
 Jagatdal Jute & Industries Ltd.
 Birla Jute Mill
 Probortok Jute Mill
 Allied Ceramics Pvt. Ltd.
 Intertek Cable Brett.
 Sheema Rice Mill Pvt. Ltd.
 Brimkim Prasad Ghosh & Co.
 Subhas Hosiery Mill
 I. A. G. Company Ltd.

Bhilai Steel Plant
 Ultratech Cement Ltd.
 Tata Iron Steel Co. Ltd.
 SAIL
 Jindal Steel & Power Ltd.
 Vedanta Alumina Ltd.
 The India Iron & Steel Co. Ltd.
 Ferro Alloy Co. Ltd. (TISCO)
 Bokaro Steel Plant
 Ambuja Cements Ltd.
 Orissa Sponge Iron Ltd.
 R. K. Wire Products Ware Limited
 UIC Udyog Ltd.
 Devi Ispat Pvt. Ltd.
 Rashmi Metaliks Ltd.
 ACC Ltd.
 National Aluminium Co. Ltd.
 Hindal Co. Industries Ltd.
 Calcom Cement India Ltd.
 Budge Budge Iron & Steel
 Bharat Aluminium Company Ltd.
 Esab India Ltd.
 Alps Metal
 Alps Metal
 Superlite ACC Blocks Industry
 National Aluminium Co. Ltd.
 Nalwa Steel & Power
 Titagarh Steel

ABROAD

Darlsco Inspection Services
 Varun Beverages (Nepal) Pvt. Ltd.
 The Nepal Distilleries (P) Ltd.
 Chinmasta Distillery Pvt. Ltd.
 Rattan Industrial India Pvt. Ltd.
 High Field Distillers And Bottlers Pvt. Ltd.
 Tashi Group & Co.
 ACME HEIGHTS LTD.
 Optech Engineering
 Optech Engineering

AND MANY OTHER COMPANIES....

**M/S. GIRISH CHANDRA
 GHOSH & G.G.S**



M/S. GIRISH CHANDRA GHOSH & G.G.S



Mr. Supriyo Ghosh

Managing Partner of M/s. Girish Chandra Ghosh & G.G.S. Company
(Formerly M/s. Girish Chandra Ghosh Estd. In 1874)

MEMBERSHIP

- Managing Trustee of G.H Welfare Foundation Trust
- Director and Managing Committee Member of BCC & I (2022-23, 2023-24)
- President of Eastern Regional Legal Metrology Licensees Welfare Association
- Vice President patron & Executive Member of Many Social Organization, clubs & Social Welfare Committee
- Chairman of Service Sector committee of Fosmi
- Advisory Member of Press Media Bangla hunt
- Council Member (Director) of Federation of Small & Medium Industries, West Bengal
- Central Committee Member of Federation of Association. of Small Industries of India (FASII)
- Member of Federation of Association of Cottage And Small Industry
- BCC & I (Member of MSME Development & Manufacturing Committee) & I.C.S.I.
- Vice President 10th (SWAMIJI) Group North Kolkata B.S & G
- Corporate Member of Bengal Chamber of Commerce & Industry
- Member of Hotel & Restaurant Association of India
- Member of Calcutta Management Association
- Storage Tank Calibration & Weighing Solution Consultant
- Secretary of Sonajhuri Apartment Association
- National Executive Committee Members & Chairman, Consumer Affairs & Legal Metrology Committee of FASII, Eastern Region
- Member of Indian Chamber of International Business (ICIB)
- All India Member and West Bengal coordinator of. B.S.P.S. NCR. DELHI. (PRESS MEDIA)
- Group participation of. Legal Metrology INDIA & Friends India Training Group (Approved by Admin)
- Award for Overall Performance of the year 2021-2022 from Rotary Club Budge Budge.
- And many Certificate holder from various organizations and for activities.
- Award from Rotary Club of Budge Budge year 2023 for good performance as chairman of Health prevention Committee.
- Ex-Member of ROTARY CLUB (BGB) (Chairman of Health Committee (2022-23, 2023-24)
- 2024 Award for Leadership Legacy in Multidisciplinary Business Establishments from News 18 Bangla (News 18 Network). ■



M/S. GIRISH CHANDRA GHOSH & G.G.S



M/S. GIRISH CHANDRA GHOSH & G.G.S.

FORMERLY M/S. GIRISH CHANDRA GHOSH ESTD. 1874

- Govt. Approved License Manufacturer / Repairer & Dealer
- Register with Office of Zonal Director General of Foreign Trade | Register with EEPCINDIA. | MSME NSIC registered unit CRISIL rated co. | UDYAM Registered | GEM Registered | CE Certified | ISO 9001-2015 certified company| ISO/IEC 17025:2017 certified
- Model Approved by Directorate of Legal Metrology Department, and Government Approved License from. Directorate of Legal Metrology Department
- Govt. Approved Calibrator of Storage Tank of Petroleum, Chemical, Oil, Other Liquid Storage Tanks, Manufacturer of Weighing Machines and Complete Weighing Solution, liquor Measure. Leading Storage Tank Calibrator & Surveyor, N.D.T Inspection work, Inspection Survey & P.I Diagram in INDIA & ABROAD



M/S. GIRISH CHANDRA GHOSH & G.G.S

CONTACT US

M/S. GIRISH CHANDRA GHOSH & G.G.S.

Corporate office and Mailing Address & H.O. :

40/2 B.T. Road, Kolkata – 700002, Sonajhuri Appartment,
Block B, Ground Floor W.B. India.

Works Address :

37B & 37A, B. T. Road (Kantakal), Ground Floor
Kolkata - 700 002, W.B., India.

Office at: Gandhidham, Gujarat, Panaji, Goa, Guwahati, Assam, Lucknow
U.P, Bilaspur, Chattisgarh, Ranchi, Jharkhand, Panipat, Haryana, Balasore,
Orissa, Patna, Bihar, Rewa, M.P, Punjab, Jaipur, Rajasthan

Mobile : +91 98300 81365 +91 80132 76564

Email : [gcg_ggs@gmail.com](mailto:gcg.ggs.kol@gmail.com), gcg_ggs@rediffmail.com
supriyo.ghosh7@gmail.com

Website : www.girishcalibration.com, www.storagetankcalibration.in

ISO 9001: 2015 Certified Company | Register With Office of Zonal Director General fo Foreign Trade

**Registered
& certified**

