



58th
ANNUAL
REPORT
2023-24



THE INDIAN INSTITUTE OF WELDING



THE INDIAN INSTITUTE OF WELDING

(A Member Society of The International Institute of Welding)

Registered & Head Office

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E-mail: iiw@iiwindia.com | Website: <https://iiwindia.com>
CIN : U27310WB1966GAP026807 / GSTIN: 19AAATT5926E1ZC

NOTICE

Notice is hereby given that the Fifty-eighth Annual General Meeting of The Indian Institute of Welding will be held at hotel The Stadel, Vivekananda Yuba Bharati Krirangan, Gate No. 03, Salt Lake, Kolkata-700098 on **Saturday the 28th of September 2024 at 4:30 pm** to transact the following items of business:

1. To receive and consider the Statement of Income & Expenditure for the year ended 31st March 2024, along with the Balance Sheet for the Financial Year 2023-24 and the Auditor's Report.
2. To receive and consider Annual Report of the Council for the year ended 31st March 2024.
3. To elect Vice Presidents, Secretary General, Treasurer and Members of the Council for the year 2024-2025.
4. To appoint Auditors and fix their remuneration for the Financial Year 2024-2025.

Note: All the members are requested to join the meeting in person. However, if somebody is willing to participate in the Meeting but unable to attend physically, he may join Virtually through Microsoft Teams platform during the stipulated time frame.

Link to join the meeting: <https://rb.gy/gh9op0>

IIW-INDIA HOUSE
Plot No. 38, Geetanjali Park
200, Kalikapur Main Road
Kolkata 700099, INDIA

Dated: 6th day of September 2024

By order of the Council

Rituraj Bose
Hony. Secretary General



WELDING - FOR NATION BUILDING

Final list of Qualified Council Members for the year 2024-2025

President – Elect

Mr. Jose P. Philip

Vice Presidents

Mr. Biplab Kumar Dey

Mr. Rahul Sengupta

Mr. T. Ravikumar

Mr. Vineet Marathe

Honorary Secretary General

Mr. Rituraj Bose

Honorary Treasurer

Mr. Ratan Poddar

Members Representing Fellow / Member / Associate Member

Prof. P. Venkata Ramana

Mr. Jignesh Desai

Mr. Pratik U. Gandhi

Mr. R. Selvaraj

Prof. V. Balasubramanian

Dr. Krishnan Sivaraman

Dr. Manas Kumar Saha

Members Representing Industrial Corporate Member

M/s. Tata Steel Ltd., Jamshedpur

M/s. Indira Gandhi Centre for Atomic Research, Kalpakkam

M/s. voestalpine Bohler Welding India Pvt. Ltd., Mumbai

M/s. D&H Secheron Electrodes Pvt. Ltd., Indore

M/s. Larsen & Toubro Ltd., Surat

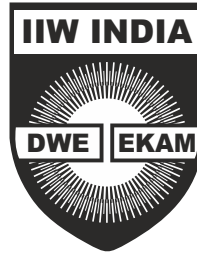
M/s. Electronics Devices Worldwide Pvt. Ltd., Mumbai

M/s. Ador Welding Ltd., Mumbai

M/s. Esab India Ltd., Chennai

M/s. Fronius India Pvt. Ltd., Pune

M/s. NSDC International Limited, New Delhi (Wholly owned subsidiary of NSDC)



THE INDIAN INSTITUTE OF WELDING

CIN: U27310WB1966GAP026807

Office Bearers	2023-24
President	Mr. Deepak V. Acharya
Past President	Mr. R. Srinivasan
Vice Presidents	Mr. Biplab Kumar Dey Mr. Rahul Sengupta Mr. T. Ravikumar Mr. Abby K. Joseph
Hony. Secretary General	Mr. Rituraj Bose
Hony. Treasurer	Mr. Ratan Poddar
Auditors	M/s. T. K. Ghose & Company
Bankers	State Bank of India ICICI Bank Limited Indian Overseas Bank
Registered & Head Office	IIW-India House Plot No. 38, Geetanjali Park, 200, Kalikapur Main Road, PO: Mukundapur Kolkata - 700 099
	Telephone : 91 33 2416 0826
	Mobile : 91 9830123968
	E-mail : iiw@iiwindia.com
	Website : https://iiwindia.com

**FIFTY-EIGHTH ANNUAL REPORT OF THE COUNCIL FOR
THE YEAR ENDED 31ST MARCH 2024**

Dear Members,

On behalf of the Council of The Indian Institute of Welding (IIW-India), it is my privilege in placing before you the salient activities of the Institute for the year ended 31st March 2024.

But before doing so, I must reiterate that during the year under consideration, i.e., 2023-24, we have lost some of the stalwarts of our Institute (as information received), including one President Shri S. V. Sambamurti (BANG/FEL/R-66/L) and two of our senior most members Samir Kumar Gupta (KOL/FEL/R-3146/L), and Prof. Madhusudan Bhattacharyya (KOL/FEL/R-5757/L), those who will be remembered for long.

I am now placing before you the Annual Report of the Institute for the year 2023-2024, as stated here below.

ANNUAL GENERAL MEETING

The 57th Annual General Meeting of The Indian Institute of Welding was held on **Saturday, the 23rd of September 2023 at 4:30pm. at The Senator Hotel**, 15 Camac Street, Kolkata-700017, and simultaneously through online mode for those who were unable to attend physically.

Office Bearers and Council Members duly elected for the year 2023-2024 were as follows:

OFFICE-BEARERS

President	: Mr. Deepak V. Acharya
Past President	: Mr. R. Srinivasan
Vice Presidents	: Mr. Biplab Kumar Dey Mr. Rahul Sengupta Mr. T. Ravikumar Mr. Abby K. Joseph
Hony. Secretary General	: Mr. Rituraj Bose
Hony. Treasurer	: Mr. Ratan Poddar

Members Representing Fellow / Member / Associate Member

Mr. Vineet Marathe
Mr. Rajeev Khanna
Mr. Pratik U. Gandhi
Mr. R. Shivakumar
Prof. V. Balasubramanian
Dr. Krishnan Sivaraman
Dr. Manas Kumar Saha

Members Representing Industrial Corporate Member

M/s. Tata Steel Ltd., Jamshedpur
M/s. Indira Gandhi Centre for Atomic Research, Kalpakkam
M/s. voestalpine Bohler Welding India Pvt. Ltd., Mumbai
M/s. D&H Secheron Electrodes Pvt. Ltd., Indore
M/s. Larsen & Toubro Ltd., Surat
M/s. Electronics Devices Worldwide Pvt. Ltd., Mumbai
M/s. Ador Welding Ltd., Mumbai
M/s. Kempfi India Pvt. Ltd., Pune
M/s. Fronius India Pvt. Ltd., Pune

Chairman & Representative of different Committees and Divisions duly elected as the members of the Council for the year 2023-2024, nominated at the Council Meeting held immediately after the 57th Annual General Meeting:

Mr. Deepak V. Acharya	Chairman, International Committee, and Chairman, ANB-India & ANBCC-India Governing Council
Mr. Dileep V. Kulkarni	Chairman, Technical Committee
Mr. Devasis Paul	Chairman, General Purposes Committee
Mr. Ratan Poddar	Chairman, Finance Committee
Prof. Santanu Das	Chairman, Welding Education Committee
Mr. Ramendra Chandra Saha	Chairman, Skill Development Committee
Prof. Vishvesh J. Badheka	Chairman, Young Professionals' and Students' Activity Committee
Mr. Ashok Malage	Chairman, IIW-India Foundation
Mr. Rituraj Bose	Chairman, IIW-India Certification
Mr. Ranajoy Banerjee	Representative, ANB-India and ANBCC-India (Invitee)

Representative of different Branches to the Council for the year 2023-2024 were as follows:

Mr. Sudarshan Narasipura	Bangalore Branch
Mr. Pravin Virmani	Baroda Branch
Mr. Rajesh Madnani	Baroda Branch
Mr. M. R. K. Shariff	Bhilai Branch
Mr. M. Krishnamoorthy	Chennai Branch
Mr. Utpal Borah	Chennai Branch
Mr. Jose P. Philip	Cochin Branch
Mr. A. Prasad Kumar	Cochin Branch
Dr. Manoj Yadav	Delhi Branch
Prof. Jeevan Jaidi	Hyderabad Branch
Dr. Kanwer Singh Arora	Jamshedpur Branch
Prof. T. K. Pal	Kolkata Branch
Mr. Shuvendu Ghosh	Kolkata Branch
Mr. N. Kanagasabai	Mumbai Branch
Mr. Abhishek Vyas	Mumbai Branch
Mr. Prashant V. Deshmukh	Pune Branch
Mr. R. Selvaraj	Tiruchirappalli Branch
Mr. A. Ravi Shankar	Visakhapatnam Branch

ACTIVITIES OF THE INSTITUTE IN GENERAL

Though the major programmes of the institute were done with physical presence in the year 2023-24, but most of the meetings and lectures (webinars) conducted virtually. Most of the IIW-India Branches conducted various important programmes during the year under consideration. The yearlong activities were as follows:

❖ COUNCIL MEETINGS

The IIW-India Council held four (04) Meetings (332nd to 335th) during the year under consideration.

❖ IIW-INDIA RECOGNITION AND AWARDS 2023-24

IIW-India Excellence award for Services to the Institute 2024: This award was given to two eminent persons of the institute, Mr. Subhendu Chaudhuri, Director, ANB-India and Mr. R. Srinivasan, Vice President, International Institute of Welding and Past President (2014-17), IIW-India, for their dedicated and outstanding services to the institute over a sustained period of time.

Award: A Silver salver and a Citation to each of the awardees.

IIW-India Excellence award for International Relations 2024: This award was given to Dr. Luca Costa, Chief Executive Officer, International Institute of Welding, for excellence in sharing and dissemination of knowledge in welding science and technology globally through active technological statesmanship.

Award: A Silver salver and a Citation.

Lifetime Achievement Award 2023: This award was given to Mr. Ranajoy Banerjee, Past Hony. Secretary (1987-90), IIW-India, CEO, ANB-India and Scheme Manager, ANBCC-India, in recognition of his selfless devotion and dedicated contribution to the institute for promotion of welding science and technology in India for the last 50 years.

Award: A Silver salver and a Citation.

Jaeger Lecture 2024: Jaeger Lecture of the International Institute of Welding (IIW) was delivered by Mr. Anil V. Parab, Whole time Director & Senior Executive Vice President, Larsen & Toubro Limited., on the topic 'A perspective on Sustainable and Green Welding'.

Award: A commemorative plaque and a Certificate by the International Institute of Welding.

Keith Hartley Memorial Lecture 2023: This lecture was delivered by Prof. Santanu Das, Chairman, Welding Education Committee of the Institute and Professor and Former Head, Department of Mechanical Engineering, Kalyani Government Engineering College, Kalyani, West Bengal. This was awarded to him for his outstanding contribution to the institute and for the promotion of welding science and technology in India specifically to the emerging youth. He delivered his lecture on the subject 'Enhancing autogenous butt-welded joints of austenitic Stainless Steels through GTAW process optimization'.

Award: A Silver medal, sponsored by M/s Ador Welding Ltd., Mumbai and a Citation.

Prof. Placid Rodriguez Memorial Lecture 2023: This lecture was delivered by Prof. Vishvesh Badheka, Dean Academic Affairs, Pandit Deendayal Energy University (PDEU), Gandhinagar, Gujarat. This was awarded to him for his significant contribution for development of welding science and technology in India as a young scientist. He delivered his lecture on the subject 'Overview of recent advances in Fusion and Solid-State Welding'.

Award: A Certificate and a cash prize of Rs. 10,000/-, sponsored by IIW-India Chennai Branch.

Minati Bhattacharjee Memorial Award for the Best Performing Branch 2022-2023: In accordance with the criteria formulated, IIW-India Baroda Branch won the award for the year under consideration, proposing maximum number of Membership Applications and smooth functioning of various activities of the Branch.

Award: A Trophy and a cash prize of Rs. 5,000/-, sponsored by Late Ratish Ranjan Bhattacharjee.

Apart from the above, several other awards and prizes were handed over to the winners, which are described later in the particular section of this report.

❖ REPORT OF THE NATIONAL WELDING MEET 2023 (NWM-2023)

Bhubaneswar Centre of the institute hosted the National Welding Meet (NWM-2023) at Utkal Chamber of Commerce India Limited (UCCIL) premises at Bhubaneswar, Odisha during 1st and 2nd of September 2023, on the theme 'Present Day Welding: Challenges and Opportunities'. A total of 29 papers presented in NWM 2023 by welding technologists and experts.

A total of 36 students and another 101 professionals from industry participated in the meet.

At the beginning of the Inaugural Session, Welcome Addresses were delivered by Sri Gyana Ranjan Mohanty, Chairman, IIW-India, Bhubaneswar Centre and Sri Brahmananda Mishra, President, UCCIL, Bhubaneswar. After that, Sri R. Srinivasan, Vice President, International Institute of Welding (IIW) and Past President, IIW-India, addressed the audience. Addresses were also given by Sri Rahul Sengupta, Vice-President (East), IIW-India and Prof. Santanu Das, Chairman of Kolkata Branch, IIW-India. Formally, the programme was inaugurated by the Chief Guest, Sri Sankar Biswas, Chief Mechanical Maintenance, TATA Steel, Kalinganagar. After the formal inauguration of NWM-2023, Sri Rituraj Bose, Hony. Secretary General of IIW-India made a presentation on "Role of IIW-India" to promote the science and technology of welding and joining in India. At the end of the Inaugural Session, concluding remarks and Vote of Thanks were proposed by Prof. Omkarnath Mohanty, Past Chairman, IIW-India Bhubaneswar Centre.

Apart from the Inaugural session, a total of 7 Technical Sessions has been arranged under various topic heads as follows:

- Session 1: Welding Processes, Control and Characterization
- Session 2: Skilling and Certification
- Session 3: Welding Stresses and Distortion
- Session 4: Reclamation and Repair Welding

- Session 5: Quality Assessment
- Session 6: Modern Welding Machines
- Session 7: Processes and Characterization of Welding

In the Valedictory Session, a discussion was held on the challenges posed before the welding industry and the need to improve the academia-industry interaction.

AWPM Award for the Best Presented Paper in NWM 2023 was declared during the valedictory session, titled 'An Exploratory Study on TIG based Additive Manufacturing of Nimonic 263 Alloy', authored by Shri A. Manjunath, Gas Turbine Research Establishment, DRDO, Bangalore.

❖ INAUGURATION OF IIW-INDIA WELDING LAB

A Welding Lab to support the Industries and Researchers has been inaugurated by the President of IIW-India Mr. Deepak V. Acharya on the Ground Floor of IIW-INDIA House on 22nd September 2023. He appreciated on the set-up of such a well organised lab in a small place along with the software-based welding simulator and hope it will provide impetus to the interested candidates in and around. He also congratulated the support from M/s. Kemppi India Pvt. Ltd., voestalpine Bohler Welding India Pvt. Ltd., Nextgen Plasma Pvt. Ltd. and Skillvery Training Solutions Pvt. Ltd., and hopeful that in the long run this sort of small set up with proper welding simulator arrangement in other places.

❖ REPORT OF THE ARC CUP INTERNATIONAL WELDING COMPETITION 2023

Organising Committee of BRICS Skills Development and Technology Innovation Competition – Arc Cup International Welding Competition, organises the ARC Cup International Welding Skills, Robotic Welding, and Welding Technology Competition every year and IIW-India is participating in this competition since 2016. Since the outbreak of COVID-19, this competition was held remotely at the facilities of M/s. Fronius India Pvt. Ltd., Pune, since 2020. The Winners and the Runners-up of the IIW-India organised National Skill Competitions in welding skills and technology, participates in this competition. In 2023, the Welding Skills Competition was held on 21st of November 2023. 12 Welders participated this year in the ARC Cup International Welding Skills Competition held remotely in India at Fronius India facilities, Pune. It was well supported by IIW-India Pune Branch and the juries were Mr. Vineet Marathe, Mr. V. K. Shendrikar and Mr. Chandrakant L. Vaidya. Also, 2 competitors participated in Arc Cup International Welding Technology Competition, which was held online on the same day.

Result of Welding Skills Competition for Indian participants:

- 1) Mr. Tinku Kumar of M/s. Plasser India Pvt. Ltd., Faridabad – First Prize in SMAW Project
- 2) Mr. Satheesh V, Cochin Shipyard Ltd., Cochin – Excellent Prize in SMAW Project
- 3) Mr. Sajil M P., Central Workshop, South Western Railway, Mysore – Excellent Prize in SMAW Project
- 4) Ms. Rina Bagha, CV Raman Global University, Bhubaneswar – Excellent Prize in SMAW Project
- 5) Mr. Jayeshbhai C. Makvana, Plasser India Pvt. Ltd., Vadodara – First Prize in GMAW Project
- 6) Ms. Kamini Kumari Ram, CV Raman Global University, Bhubaneswar – Third Prize in GMAW Project
- 7) Ms. Urmila Nayak, CV Raman Global University, Bhubaneswar – Third Prize in GMAW Project
- 8) Ms. Mitikshaben Chauhan, Inox India Ltd., Vadodara – Excellent Prize in GMAW Project
- 9) Mr. Chavda Rajendra Kumar C S, Danfoss Industries Pvt. Ltd., Vadodara – First Prize in GTAW Project
- 10) Mr. Chandan Kumar Pandit, Koso India Pvt. Ltd., Nasik – Second Prize in GTAW Project
- 11) Ms. Puja Swain, CV Raman Global University, Bhubaneswar – Excellent Prize in GTAW Project
- 12) Ms. Nishaben Parmar, Inox India Ltd., Vadodara – Excellent Prize in GTAW Project

Result of Welding Technology Competition for Indian Participants:

- 1) Mr. Huddarsinh B. Gohil, GMM Pfaudler Ltd., Ahmedabad – Third Prize
- 2) Mr. Anurag Parida, CV Raman Global University, Bhubaneswar – Excellent Prize

Proud to inform that India got the Team Gold Prize this year too. All the 12 competitors of Welding Skills Competition and 2 competitors of Welding Technology Competition were felicitated during the International Congress 2024.

On invitation, Mr. Rituraj Bose, Hony. Secretary General of IIW-India, delivered a Keynote speech on 'An Outline of Remote Inspection Techniques' during the International Seminar on Intelligent Welding & Additive Manufacturing Technologies and its Application. It was held on 23rd of November 2023, concurrently with Arc Cup International Welding Competition.

❖ REPORT OF WELDED MARVELS 2023 – PROJECT TRASH TO TREASURE

For the third consecutive year, the amateurs of various spheres participated in the National Competition on Welded Marvels – Project Trash to Treasure, was organised by IIW-India during November – December 2023. This competition aims to produce sculptures as social intervention, to inspire awe and joy, to educate, and to alter attitudes of viewers. IIW-India, with Association of Welding Products Manufacturers (AWPM), have jointly organised this competition, which is ably supported by M/s. ADOR Welding Ltd.

A total of 28 entries were received in 2023 to showcase their talents as individual as well as a team. After thoroughly reviewing the entries, Jury Board announced the Winner and the Runner-up of the competition. The members of Jury Board were Mr. Sachin Kaluskar of InfineArt Ventures LLP., Vadodara, Mr. Deval Varma of Wheelsmith Studio Pvt. Ltd., Indore and Mr. Dileep V. Kulkarni, Welding Consultant, Mumbai. The result is here under:

Winner: Mr. Mayank Sharma of Ratnamani Metals & Tubes Ltd., Ahmedabad, on the theme 'Welder / Welding Operator'.

Runner-up: Mr. Sanjib Kumar Sahu of Government ITI, Berhampur, on the theme 'Konark Chakra'.

It is indeed a very good and encouraging news, that the photograph of selected sculptures is being published in the Digital Collection of the Welded Art Photographic Exhibition by IIW.

❖ REPORT OF THE 6TH INTERNATIONAL CONGRESS 2024 (IC-2024)

The 6th International Congress IC 2024 was held between 22nd to 24th of January 2024, at the Bangalore International Exhibition Centre (BIEC).

On 22nd of January 2024, the beginning of IC-2024 was done with the National Anthem. After the welcome address by Mr. T. Ravi Kumar, Chairman of the IC-2024 Preparatory Committee, lighting of the lamp by the dignitaries with Invocation was done as per the tradition. After the presidential address by Mr. Deepak V. Acharya, President, The Indian Institute of Welding (IIW-India), Mr. Robert E. Shaw Jr., Vice President, International Institute of Welding (IIW), formally inaugurated the event.

Dr. P. Veeramuthuvel, Project Director of Chandrayaan-3, ISRO, was the Chief Guest of the event and with an inspiring speech he stressed on the intricacies on the various stages of development and planning of Chandrayaan-3 and the highest level of achievement by India. The audience was mesmerized having him with them. Mr. Nilesh Shah, Vice President of Jindal Steel & Power Limited, addressed the gathering as the Guest of Honour. Special Guest Mr. Anil V. Parab, Whole Time Director & Sr. Executive Vice President, L&T Limited., released the Souvenir of IC-2024 along with the special issue of Indian Welding Journal. Dr. Luca Costa, CEO, IIW, and Mr. R. Srinivasan, Chairman, International Advisory Committee, IC-2024, delivered their speech informing about the importance of the event. IIW-India award ceremony was also conducted during the inaugural session, which was administered by Mr. Rituraj Bose, Hony. Secretary General, IIW-India. Finally, Mr. R. Shiva Kumar, Convenor of the IC-2024 Preparatory Committee, proposed the Vote of Thanks to end the inaugural session.

Post Inaugural Session, Jaegar Lecture, Kieth Hartley Memorial Lecture and Prof. Placid Rodriguez Memorial Lecture were delivered. Details already stated earlier.

After the lunch on Day-01, one Plenary Session and one Panel Discussion had been organised.

Plenary Session – 1: National Welding Capability

This session was Chaired by Mr. R. Srinivasan, Chairman of International Advisory Committee, IC-2024. The speakers and the discussions were as follows:

- Mr. Deepak V. Acharya, CEO, Inox India Ltd., delivered the Keynote Speech on 'Assisting India in Building-up its National Welding Capability (NWC) and Progressing the UN Sustainable Development Goals (SDGs)', which is co-authored by Mr. Chris Smallbone, Past President, IIW and Chair, IIW TG-SDG.
- Mr. Rituraj Bose, Hony. Secretary General, IIW-India, delivered a presentation on 'Role of IIW-India towards Nation Building', featuring different activities of IIW-India and its support to the welding fraternity.
- Dr. K. Socrates, Joint Director & Head Development, MSME, Karnataka Region addressed the gathering informing about the 'Skill Development Initiatives and various Schemes by the Indian Government'.
- Dr. Shaju K. Albert, Chairman, MTD-11, Bureau of Indian Standards, delivered presentation on newly released Standard on 'Qualification and Certification of Welding Inspection Personnel'.
- Dr. Luca Costa, CEO, IIW, presented the 'Role of International Institute of Welding supporting the Member Societies and for the Countries for their New Welding Capabilities'.

Finally, the summing up of the session was done by Mr. R. Srinivasan, along with a lively interactive discussion with the audience.

Panel Discussion on 'Welding - Road Ahead'

This Panel discussion was Moderated by Mr. V. V. Kamath, MD, Fronius India Pvt. Ltd., The Panelists were:

- Dr. Murugaiyan A, Associate Professor, IIT Madras
- Mr. Mahendra Patil, National Head, Robot Sales, Fanuc India Ltd.
- Mr. Ravi Kumar Palli, Marketing Director, ESAB Asia Pacific
- Mr. Yogesh Kumar, COO, Difacto Robotics & Automation

Day-1 was attended by 390 delegates, which include Guests, Authors and Awardees from various Industries, Industrial Associations, Academic Institutions, Research Organizations, Public Sector units, etc. In the evening, a cultural programme was staged showcasing different dance forms of India, and, also with the engagement of the audience for different ice-breaking activities. The eventful day finally ended with a Gala dinner.

Day-2 started with the Keynote Speech by Mr. Robert E. Shaw Jr., on 'Managing to Achieve Sustainable and Green Welding', which showed the way forward to save our environment.

After the Keynote Speech, there was Plenary Session 2 by the American Welding Society (AWS), followed by interactions with the audience. The Session was Chaired by Mr. Richard Arn, Vice President, AWS.

Lectures delivered in the session were as follows:

- Mr. Viji Kuruvilla delivered a speech on the topic 'Steel Fabricator's Role on Sustainability'.
- Dr. Murali Tumuluru delivered a speech on the topic 'Advanced Steel Grades and New Joining Technologies for Automobiles of Tomorrow'.
- Mr. Ramesh Shankaran delivered a speech on the 'AWS Educational Resources and Solutions'.

Parallel Technical Sessions

After completion of the Plenary session – 2, there were 4 parallel Technical Sessions, which were framed and managed by Mr. Dileep V. Kulkarni, Chairman of the Technical Committee, IC-2024. The different topics of the parallel Sessions were as follows:

- Fabrication, Automation and Productivity
- Performance of Weld Deposits and Joints
- Arc Welding Processes
- Health, Safety and Environment
- Weldability and Filler Metal Development
- Additive Manufacturing
- Resistance Welding, Solid State Welding and Allied Processes
- Simulation, Modelling, AI & ML
- Power Beam Processes

ANBCC-India Workshop

One particular session of Day-2 was dedicated to the invited audience, those who are interested in Company Certification in accordance with ISO 3834. This Session was Chaired by Mr. Deepak V. Acharya, President, IIW-India.

Day-3 started with the continuation from Day-2 with 3 parallel Technical Sessions, apart from the Young Professionals' International Conference for the full day.

Young Professionals' International Conference

On the Day-3, Young Professionals' International Conference was organised for the whole day, alongside the parallel Technical Sessions. Dr. Luca Costa, CEO of IIW, chaired the inaugural session of the conference.

Inaugural Keynote Address was delivered by Dr. Kittichai Sojiphan, Chairman of Working Group – Young Professionals, IIW, where he has informed about the opportunities of the Young Professionals to be associated with the International

Institute of Welding. Next was the invited talk by Mr. Ernest D. Levert Sr., Past President, AWS and Past Chairman of Working Group – Young Professionals, IIW, who delivered speech on 'Welding of the International Space Station Thermal Control Units - KEEPING COOL IN SPACE'. Other Invited talks were delivered by Dr. Renu N. Gupta, Head, Project Management & Welding Engineering, L&T Limited., Heavy Engineering IC, on 'Opportunities for Young Welding Professionals in Heavy Engineering' and by Prof. Sunil Pandey, LNMIIT Jaipur, on 'Moving on the Highway of Innovative Research in Welding'. Apart from the above, several interesting papers on research work were presented by the Young Professionals within the age of 35 years.

Valedictory Session

At the end of Day-3, a Valedictory Session was conducted before ending the 6th International Congress. Out of 135 abstracts accepted, 122 papers were scheduled for presentation, out of which 103 papers were presented in 23 sessions, which is 76.3% of accepted abstracts. Also, there were 8 invited talks by the eminent speakers. The valedictory session revealed that the quality of the papers was of high standards and the overall event was a grand success. During the Valedictory Session, the award for Best Presented Paper was also declared in favour of Dr. Manikandan Manoharan, Associate Professor (Senior), VIT – Vellore Campus.

WELDEXPO 2024

For the first time, WELDEXPO was organised concurrently with IMTEX Forming Exhibition of IMTMA (Indian Machine Tools Manufacturers' Association), in Association with IIW-India, between 19th to 23rd January 2024. This specific welding related exhibition was conducted at the same venue of the International Congress, i.e., at Bangalore International Exhibition Centre. The overall response from the welding related organisations was overwhelming and the Exhibitors were very happy on the footfall of the show. Around 1676 sqm area was occupied by WELDEXPO with a total footfall of approximately 45,000.

Conclusion

Every person, those who have attended the International Congress, was very happy because of the well organised event along with the hospitality and returned home with the unforgettable memories. IIW-India will take the responsibility to support the welding fraternity in future too, like the earlier years.

ACTIVITIES OF DIFFERENT COMMITTEES

❖ REPORT OF INTERNATIONAL COMMITTEE

Chairman : Mr. Deepak V. Acharya

a) Report of 76th IIW Annual Assembly 2023

The 76th IIW Annual Assembly of the International Institute of Welding (IIW) was held from 16-23 July 2023 in physical mode at Marina Bay Sands Expo & Convention Centre, Singapore, where 41 out of 51 member countries joined the Annual Assembly for the proceedings, with more than 800 delegates registered.

The Indian Institute of Welding (IIW-India) delegation comprised of Mr. Deepak V. Acharya -President, Mr. Rituraj Bose -Hony. Secretary General, Mr. R. Srinivasan, Past President, IIW-India and Member of Board of Directors, IIW, Dr. Shaju K. Albert, Chairman, ANB-India Advisory Board, and Mr. Alope Kumar Bose, Director-MCS, ANBCC-India. Further, another 30 persons from India joined the Assembly, who are mainly young professionals and students. This was the maximum presence in any Annual Assemblies of IIW by the Indians. There were few nonresident Indians too, those who have attended the Assembly.

The General Assembly was conducted on 16th July, where Mr. Deepak V. Acharya, Mr. Rituraj Bose and Dr. Shaju K. Albert were the representatives from India. It is indeed a very good news that Mr. Srinivasan has been elected as the Vice President of IIW for 2023-26, after completing his 3-years term as the Member of Board of Directors. During the opening ceremony on 16th July, the winner of various awards and also the new logo of IIW has been revealed, followed by a dinner.

In the WG-RA (Working Group – Regional Activities) Meet on 16th July, 3-presentations have been delivered from IIW-India, which were as follows:

- Mr. Rituraj Bose presented the report of IIW-India which includes IC-2024 (scheduled for 22-24 January 2024 at Bangalore) and invited all to join the event and the brochure of IC-2024 was distributed to all.
- Mr. Deepak V. Acharya presented about the Welded Marvels–Project Trashto Treasure, which was well accepted by the attendees.

- Finally, Mr. Sachin Kaluskar delivered the guest presentation regarding the sculpture she made out of the scraps through welding. This presentation was made a huge impact among the audience.

Again, on the same day, an Ice Breaking Session was conducted for the Young Professionals and Students' and on 18th July, there was Young Professionals Meet, where Mr. Hitesh Narsia represented IIW-India for the activities of Young Professional and Students' Chapters through a presentation, which was applauded by all.

Dr. Shaju K. Albert and Mr. Aloke Kumar Bose attended the IAB Group A & B meetings, whereas all the 5 IIW-India delegates attended IAB Members Meet. In the Assembly, 10 papers were presented in different commissions by the Indian Young Professionals and Students.

The International Conference was held on 20th and 21st July, where a total of 19 papers were presented by the Young Professionals and Students from India, and also there were 2 Poster presentations by the Indians. We can very much say that the presence of India in IIW Annual Assembly was remarkable!

Apart from the above, several meetings have been organised with various organisations like Asian Welding Federation (AWF), Ms. Anna Paradowska of University of Sydney, Mr. Douglas Lucinani, President & CEO of Canadian Welding Bureau (CWB), American Welding Society (AWS) and finally with Dr. Luca Costa, CEO-IIW. All the meetings have been conducted requesting their active participation in the International Congress, IC-2024, as Sponsors and Delegates. Both CWB and AWS have agreed to be associated with IC-2024.

It was informed that the 77th IIW Annual Assembly will be held in Rhodes, Greece from 7-12 July 2024.

b) Participation in the Governing Council and other Meetings of Asian Welding Federation (AWF)

Mr. Rituraj Bose, Hony. Secretary General represented IIW-India in the Governing Council Meeting of the Asian Welding Federation (AWF), held in Manila, Philippines, from 19-21 October 2023. The main purpose of his visit was to involve IIW-India in the activities of AWF and promotion of IC-2024 in the South Asian countries.

❖ REPORT OF THE FINANCE COMMITTEE

Chairman : Mr. Ratan Poddar

A. Membership

During the year, subscriptions received from new and existing Members of the Institute is INR. 1,908,850.00, and the category wise break-up is hereunder:

Membership Category	Amount (INR)	Membership Category	Amount (INR)
Member (Current + Arrear)	139,500.00	Student (Current + Arrear)	238,500.00
Member Life	517,250.00	Associate Life	NIL
Associate Member (Current + Arrear)	29,250.00	Fellow (Current + Arrear)	NIL
Associate Member Life	72,000.00	Fellow Life	3,000.00
Entrance / Transfer Fee	244,000.00	Industrial Corporate Member (Current+Arrear)	266,250.00
Miscellaneous Receipt	100.00	Industrial Corporate Member (Compound)	399,000.00

➤ B. Indian Welding Journal

Total earning from Indian Welding Journal was INR 1,045,122.06. Against which the total expenditure on this account was INR 374,880.72, resulting a surplus of INR 670,241.34.

C. AM-IIW Examination

Total collection from AM-IIW Examination was INR 55,700.00. Against which the total expenditure on this account was INR 183,574.02, resulting a deficit of INR 127,874.02.

D. Skill Development Programmes

Annual collection on this account was INR 1,069,375.55. Against which the total expenditure on this account was INR 836,943.75, resulting a surplus of INR 232,431.80.

E. ANB-India & ANBCC-India Divisions

Annual operational income on this account was INR 9,680,708.00. Against which the total operational expenditure on this account was INR 8,926,527.00, resulting a surplus of INR 754,181.00.

F. IIW-India Foundation Division

Annual operational income on this account was NIL, because of free activities. Against which the total operational expenditure on this account was INR 6,354.00, resulting a deficit of INR 6,354.00.

G. IIW-India Certification Division

Annual collection on this account was INR 341,994.91. Against which the total expenditure on this account was INR 564,777.62, resulting a deficit of INR. 222,782.71. The deficit is due to the NABCB Accreditation related expenses, i.e., application cost, auditing cost etc.

H. Other major earnings of Head Office (HO)

a) Subsidy from ANB & ANBCC Division	INR 1,500,000.00
b) Subsidy from Other IIW-India Branches	INR 565,000.00
c) Bank Interest (against FD and Savings Bank A/c.)	INR 1,568,111.26
d) Sponsorship for Best Welder Competition	INR 644,000.00
e) Weld-Expo 2024 Assistance Fee	INR 2,637,098.32
f) Donation Received	INR 100,000.00

Expenses at Head Office (HO):

- Total expenses for attending the 76th IIW Annual Assembly at Singapore was INR 1,404,478.06 (out of total expenses, an amount of INR 367,721.00 paid by ANB-India and ANBCC-India).
- During the year, INR 2,048,134.00 is booked towards payment of Annual Subscription to the International Institute of Welding for the year 2024 (out of the total subscription, an amount of INR 1,500,000.00 paid by ANB-India and ANBCC-India).
- All other expenses of Head Office were as follows

Expenditure Category	Amount (INR)	Expenditure Category	Amount (INR)
Finance & Legal Expenses	133,064.24	Employee Benefit Expenses	882,936.00
Office & Admin Expenses	492,274.71	Technical Professional Fees Charges to Contractual Staff, Assessor, Others	2,385,979.66
Depreciation on Fixed Asset	796,712.88	Statutory Audit Fees	25,000.00
Travelling & Hospitality & Local Conveyance & Food Expenses	675,745.04	Event Co-ordination & Award Expenses	884,215.81
Printing & Postage Expenses	417,989.56	Misc. Expenses	1,313.28
Sundry Debtors Written Off	441,218.00	Membership Fee (Other than IIW)	35,000.00

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Overall Financial position of the Institute for the year 2023-24 were as follows (in INR):

Different Units	Regular Operational Income (Net of Credit Side)	Regular Operational Expense (Net of Debit Side)	Surplus / Deficit from Operation (C=A-B)	IC-2024 / NWM-2023 Income	IC-2024 / NWM-2023 Expenses	Surplus / Deficit from IC-2024 / NWM-2023 (F=D-E)	Total Surplus / Deficit from Operations (G=C+F)	Income from Bank Interest etc.	Depreciation on Fixed As set	Net Surplus/ Deficit from Branch (J=G+H-I)
	A	B	C	D	E	F	G	H	I	J
HO	7,802,119	7,959,627	(157,508)	7,606,240	7,861,705	(255,465)	(412,973)	1,595,212	796,713	385,526
ANB/ANBCC	9,680,708	8,926,527	754,181	-	-	-	754,181	543,426	31,247	1,266,360
Foundation	-	6,354	(6,354)	-	-	-	(6,354)	64,905	-	58,551
Bangalore	169,350	247,660	(78,310)	-	-	-	(78,310)	94,869	-	16,559
Baroda	1,263,754	1,043,428	220,326	-	-	-	220,326	92,128	169,765	142,689
Bhilai	-	36,006	(36,006)	-	-	-	(36,006)	96,734	-	60,728
Bhubaneswar	-	79,932	(79,932)	1,608,385	566,914	1,041,471	961,539	-	1,322	960,217
Chennai	591,364	530,537	60,827	-	-	-	60,827	9,845	213,603	(142,931)
Cochin	410,020	619,909	(209,889)	-	-	-	(209,889)	76,259	-	(133,630)
Delhi	117,178	136,725	(19,547)	-	-	-	(19,547)	122,212	12,021	90,644
Hyderabad	524,864	320,356	204,508	-	-	-	204,508	25,469	-	229,977
Jamshedpur	750,305	637,762	112,543	-	-	-	112,543	329,870	-	442,413
Kolkata	2,000	99,027	(97,027)	-	-	-	(97,027)	21,958	-	(75,069)
Mumbai	1,308,781	1,595,965	(287,184)	-	-	-	(287,184)	832,741	32,362	513,195
Pune	301,550	314,779	(13,229)	-	-	-	(13,229)	82,983	-	69,754
Tiruchy	-	6,599	(6,599)	-	-	-	(6,599)	16,843	-	10,244
Vizag	-	8,148	(8,148)	-	-	-	(8,148)	-	-	(8,148)
Total	22,921,993	22,569,341	352,652	9,214,625	8,428,619	786,006	1,138,658	4,005,454	1,257,033	3,887,079

Net Surplus for the Financial Year 2023-24 is INR 3,887,079.00 (Consolidated).

❖ REPORT OF GENERAL PURPOSES COMMITTEE

Chairman : Mr. Devasis Paul

Membership:

During the year, the growth of Membership is quite satisfactory. However, collection of subscription including realisation of arrear subscriptions from the members were not up to the mark. As the part of new membership drive, efforts were put up by some of the branches through the formation of Students' Chapters.

During the year under review, following new members were enrolled:

A. New Members									
Branch	Annual Member				Life Member			Total Member	
	ICM	MEM	AM	ST	Total Annual Member	Life Member	Life AM		Total Life Member
Bangalore	0	4	1	0	5	4	0	4	9
Baroda	3	9	7	63	82	3	0	3	85
Bhilai	0	1	2	0	3	0	0	0	3
Bhubaneswar	0	3	0	1	4	0	0	0	4
Chennai	0	27	3	177	207	17	0	17	224
Cochin	3	6	1	36	46	2	0	2	48
Delhi	0	5	1	2	8	5	0	5	13
Hyderabad	1	2	0	0	3	1	0	1	4
Jamshedpur	0	6	1	0	7	1	0	1	8
Kolkata	1	5	1	40	47	1	0	1	48
Mumbai	8	8	1	58	75	6	2	8	83
Pune	2	9	1	1	13	3	1	4	17
Trichy	0	2	1	0	3	3	0	3	6
Vizag	0	3	0	0	3	1	0	1	4
TOTAL	18	90	20	378	506	47	3	50	556

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Legend:

ICM → Industrial Corporate Member

FEL → Fellow

MEM → Member

AM → Associate Member

ST → Student Member

B. Upgradation:		
Sl. No.	Particulars	No.
1	Transfer from Life Member to Life Fellow	01
2	Transfer from Annual Member to Life Member (Honorary)	03
TOTAL		04

The list of Industrial Corporate Members inducted during 2023-2024 are as follows:

Sl.	Organisation	Branch
1	M/s. Keepsake Automation Pvt. Ltd. (Formerly Keepsake Automation LLP)	Baroda
2	M/s. Weldwell Speciality Pvt. Ltd.	Mumbai
3	M/s. Esdee Electromill (P) Ltd.	Kolkata
4	M/s. Forbes Marshall Pvt. Ltd.	Pune
5	M/s. IMCO Alloys Pvt. Ltd.	Mumbai
6	M/s. Ratnamani Metals & Tubes Ltd.	Baroda
7	M/s. R D Weld Products Private Limited	Mumbai
8	M/s. Nandan Ground Support Equipments Pvt. Ltd.	Mumbai
9	M/s. Jayesh Industries Ltd.	Mumbai
10	M/s. Advance Metal Powder Private Limited	Mumbai
11	M/s. Sea Reliance Marine Services Pvt. Ltd.	Mumbai
12	M/s. RSB Transmissions (I) Ltd.	Pune
13	M/s. Adishankara Institute of Engineering and Technology	Cochin
14	M/s. ILLUKA Resources Limited	Hyderabad
15	M/s. Cochin Shipyard Limited	Cochin
16	M/s. Shanti Metal Supply Corporation	Mumbai
17	M/s. Royal Arc Electrodes Ltd.	Baroda
18	M/s. Neel Diving Academy	Cochin

The list of members deleted from the book of records after 31st March 2024 are detailed below. The list of deleted members was already forwarded to the branches, who were requested to take initiative to revert them back to the roll. However, most of them are Student members.

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Branch	Industrial Corporate Member	Member	Associate Member	Student	Total Deleted Member
Bangalore	2	1	1	0	4
Baroda	1	4	24	39	68
Bhilai	0	0	1	0	1
Bhubaneswar	0	0	20	0	20
Chennai	1	1	3	0	5
Cochin	0	2	5	27	34
Delhi	1	3	43	55	102
Hyderabad	0	2	2	0	4
Jamshedpur	0	0	0	0	0
Kolkata	1	0	10	75	86
Mumbai	0	4	7	0	11
Pune	1	11	1	64	77
Trichy	0	0	0	0	0
Vizag	0	1	2	0	3
TOTAL	7	29	119	260	415

The total membership strength for the last 5 years is given here below. The figure specified under the year 2023-24 indicate the membership strength after the end of business hours of 31st March 2024, which is including of new and rejuvenate members, and excluding of dormant and deceased members.

Particulars	2023-24	2022-23	2021-22	2020-21	2019-20
Industrial Corporate Member	126	121	124	129	148
Fellow	88	91	93	97	101
Member	2296	2186	2164	2159	2189
Associate Member	1062	966	976	987	1069
Student	649	717	685	576	587
TOTAL	4221	4081	4042	3948	4094

Branches are putting special efforts for the formation of Students' Chapter in various Engineering Institutes. During 2023-2024, the Institutes that were earmarked as Students' Chapter under various Branches are as follows:

Sl. No.	Name	Responsible Branch
1	Easwari Engineering College, Chennai	Chennai
2	Dr. Sudhir Chandra Sur Institute of Technology & Sports Complex, Kolkata	Kolkata
3	Fr. C. Rodrigues Institute of Technology, Vashi, Navi Mumbai	Mumbai
4	St. Joseph's College of Engineering, Chennai	Chennai
5	Chennai Institute of Technology (Autonomous), Chennai	Chennai
6	SNJB's Late Sau. K.B. Jain College of Engineering, Nashik	Mumbai

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Branch wise and category wise membership details after the end of the year under consideration is provided here below as a ready reckoner:

Branch	ICM	MEM	AM	ST	Total Annual Mem	Life FEL	Life MEM	Life AM	Total Life Mem	Total Mem
Bangalore	3	4	3	0	10	5	87	25	117	127
Baroda	21	14	10	150	195	7	250	130	387	582
Bhilai	2	1	3	0	6	0	174	33	207	213
Bhubaneswar	3	6	3	30	42	0	43	9	52	94
Chennai	14	35	8	177	234	7	278	101	386	620
Cochin	14	17	7	71	109	2	56	58	116	225
Delhi	8	8	5	41	62	16	176	77	269	331
Hyderabad	5	7	2	0	14	2	129	30	161	175
Jamshedpur	3	8	4	0	15	2	75	25	102	117
Kolkata	8	9	11	94	122	21	256	74	351	473
Mumbai	29	13	7	85	134	15	338	163	516	650
Pune	12	11	4	1	28	5	111	55	171	199
Trichy	1	2	1	0	4	5	104	49	158	162
Vizag	2	4	0	0	6	1	80	165	246	252
Overseas	1	0	0	0	1	0	0	0	0	1
TOTAL	126	139	68	649	982	88	2157	994	3239	4221

Publication:

During 2023-24, the Indian Welding Journal (IWJ) were circulated to the members through a link connected to IIW-India Website. The journal is now available in pdf format and is well appreciated among the technical experts in India and abroad. As decided last year, the hard copy has been despatched to all the Advertisers, Subscribers, and Industrial Corporate Members.

Further, as decided last year, Students and Faculties may publish their paper in IWJ, provided it is approved by the IWJ Editorial panel. A special edition of the Indian Welding Journal, Jan-2024 has been released during IC-2024, in which the write-ups of some of the eminent members have published.

Finally, thanks to all the Advertisers for their continuous support, without which it could not have been possible for us to achieve sustained improvement of IWJ.

Website:

Membership facility through the website portal is active (from January 2023), which is the need of the hour. A payment gateway (Razorpay) facility has also been installed to facilitate transaction of membership fees online. However, along with the online system, the offline system is also in operation. It is felt that the online membership drive should be more popularised in coming days.

❖ REPORT OF TECHNICAL COMMITTEE

Chairman : Mr. Dileep V. Kulkarni

Over the years, IIW-India has introduced several awards for recognising excellence in various aspects of welding technology like Research, Fabrication, Repair & Reclamation Welding, Non-ferrous Welding, Automation etc.

Evaluation of papers presented during NWS 2022 for various National awards were done by the jury members under Past Chairman of Technical Committee Dr. Murugaiyan A. The event (NWS 2022) was held in Chennai in physical mode during 19th to 21st of January 2023. These awards were presented during the inaugural ceremony of the International Congress (IC-2024) of the International Institute of Welding and hosted by IIW-India at Bengaluru on 22nd of January 2024. The details of the awards for papers presented during NWS 2022-23 along with Best Presented Technical Paper in National Welding Meet (NWM-2022), held in Cochin during 14th & 15th October 2022 and the Best Thesis award for PhD and MTech are tabled here below:

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Sl. No.	Name of the Award	Recipients	Papers Presented	Award Details
1	ESAB India Award (For the Best Technical Paper Among All Categories)	M/s. Surender Kumar Sharma, Renu Rani, Shobhna Mishra, JMVVS Aravind and Archana Sharma of BARC Visakhapatnam; Obaid Siddiqui of Homi Bhabha National Institute, Mumbai; Mahalakshmi Kakarla, RohinkumarChebolu and Ramanaiah Nallu of A. U. College of Engineering, Andhra University, Visakhapatnam	Simulation and Experimental Analysis of Magnetic Pulse Welding for Joining of Dissimilar Materials	Rs. 30,000/- and a Certificate Sponsored by ESAB India Ltd., Chennai
2	I. T. Mirchandani Memorial Research Award (For the Best Research Paper on Welding Metallurgy, Modelling, Extensive Testing)	M/s. P. Ganesh, Abhay Kumar, P. Chinna Rao, D. C. Nagpure, Rashmi Singh, Ram Kishor Gupta, B. K. Sindal, and R. Kaul of RRCAT Indore	A new approach of Diffusion Bonding for Joining Titanium and Austenitic Stainless Steel Tubes	Rs. 30,000/- and a Certificate Sponsored by ADOR Welding Ltd., Mumbai
3	H.D. Govindraj Memorial Research Award (For the Second-Best Research Paper on Welding Metallurgy, Modelling, and Extensive Testing)	M/s. Adarsh Prakash, Sachin Dnyandeo Kore of IIT Goa	Effect of Interlayer Alloying on the Mechanical and Metallurgical Characteristics of WAAM deposited Carbon Steel	Rs. 10,000/- and a Certificate Sponsored by Weldcraft Private Ltd., Bangalore
4	Bimal Kumar Das Memorial Award (For the Best Paper on Skill Development and Training in Welding)	Shri Chandran Subramani, Chennai	Emerging Strategies for Skill Development and Standardization of ISO 3834 Standard by Weld Quality Management (WQM) approach	Rs. 10,000/- and a Certificate Sponsored by Nextgen Plasma Pvt. Ltd., Kolkata
5	Panthaki Memorial Award (For the Best Paper on Welding of Non-Ferrous Metals)	M/s. Vijay Petley, K Barat and Shweta Verma of DRDO Bengaluru; Nikhil Kumar C, Rajeswari S and Venkateswarlu K of NAL, CSIR, Bengaluru	Few Insights into the Creep Behavior of Su-718 Weldments	Rs. 10,000/- and a Certificate Sponsored by Bakshi Chempharma Equipments Pvt. Ltd., Thane
6	Sharp Tools Award (For the Best Paper on Welding Fabrication and Practices specifically in welded fabrication, quality assurance, testing and inspection of components)	M/s. Karan Modi, Nikhil Gohel, Ajay Patel and Anshuman Lal of L&T Ltd., A.M.Naik Heavy Engineering Complex, Hazira	Challenges in Monel 400 weld overlay and dissimilar joint of Monel to carbon steel using GMAW process	Rs. 10,000/- and a Certificate Sponsored by Sharp Tools Ltd., Coimbatore
7	EWAC Alloys Award (For the Best Paper on Reclamation and Repair welding)	M/s. Siva P, Nirmal Saha, Babu P. K., Kaustubh Dhomse of EWAC Alloys Ltd., Ankleshwar	Metal-cored Alloy Design for Reconditioning of Forging Dies by Additive Manufacturing Process	Rs. 10,000/- and a Certificate Sponsored by EWAC Alloys Limited, Mumbai
8	Weldman Award (For the Best Paper on any one of the three areas of welding - Automation & Process development, Productivity improvement and Indigenous development of power sources)	M/s. Narayan Changlani, Ajay and Anshuman Lal of Larsen & Toubro Limited, A.M.Naik Heavy Engineering Complex, Hazira; Bharat J Chauhan of M. S. University, Baroda	Development of Mechanized GTAW Process for Titanium Weld Joints in Ti-Clad Vessels	Rs. 10,000/- and a Certificate Sponsored by Weldman Synergic Pvt. Ltd., Kolkata
9	Venus Wires Award (For the Best paper on stainless steel R&D, fabrication techniques, consumable development for MMAW / GMAW / FCAW processes)	M/s. Shri Krishna Tripathi, Avinash Kumar, R. Priya, P. Ramesh, Hemant Kumar, G. Ramesh and S. Ningshen of IGCAR Kalpakkam	Corrosion behaviour of unapproachable regions of SS304L Stainless Steel fillet weld joints for Nuclear application	Rs. 10,000/- and a Certificate Sponsored by Venus Wire Industries Pvt. Ltd., Mumbai
10	ISWP Award (For the Best paper on Health and Safety in Welding)	No suitable paper presented for the award		Rs. 10,000/- and a Certificate Sponsored by The Indian Steel & Wire Products Ltd., Jamshedpur
11	D & H Secheron Award (For the Best presented technical paper during the National Welding Seminar 2021-22)	M/s. A Gourav Rao, A. P. Singh, G. Mahanta, M. R. Mohape, D. S. Gowtam and V. P. Deshmukh of NMRL, Ambemath	Joining of a Novel Dual-Phase High Entropy Alloy (HEA) by Friction Stir Welding	Rs. 10,000/- and a Certificate Sponsored by D&H Secheron Electrodes, Indore
12	AWPM Award (For the Best presented technical paper during the National Welding Meet 2023)	Shri A. Manjunath, Gas Turbine Research Establishment, DRDO, Bangalore	An Exploratory Study on TIG based Additive Manufacturing of Nimonic 263 Alloy	Rs. 10,000/- and a Certificate Sponsored by Association of Welding Products Manufacturers, Mumbai
13	Weldwell Speciality Award (For the Best thesis in the field of Welding, submitted for the award of PhD in the preceding year in any of the Indian Universities, Indian Institute of Science, National Institutes of Technology, or any other Institute approved under UGC)	Shri Ayush Verma / Dr. T. Shanmugasundaram (Guide)	A Study on the Effect of Cu on Mechanical and Surface Properties of CoCrFeNi High Entropy Alloy	Rs. 15,000/- and a Certificate Sponsored by Weldwell Speciality Pvt. Ltd., Mumbai
14	Weldwell Speciality Award (For the Best MTech thesis submitted for award of Degree in the previous academic year)	Shri Parth KishorbhaiDhanak / Shri Anshuman Lal (Guide)	Evaluation of titanium grade 1 & 2 butt weld and fillet weld joint by GMAW process	Rs. 10,000/- and a Certificate Sponsored by Weldwell Speciality Pvt. Ltd., Mumbai

This is also to be noted that Mr. R. Srinivasan, Past President, IIW-India, has donated Rs.1 Lakh for the Best Technical Paper presented during the National Welding Meet in the name of Late S. V. Sambamurti which will be awarded in alternate year from 2025 onwards to a young professional, along with Late John Abraham Mulyil Memorial Lecture Award.

❖ **REPORT OF WELDING EDUCATION COMMITTEE**

Chairman : Prof. Santanu Das

AM-IIW Examination System :

Summer Session AM-IIW Examination 2023-24 was held between 8 to 15 of July 2023 on Saturdays and Sundays by pen & paper method under online supervision and it was conducted successfully. Out of 9 candidates appeared in 19 papers, out of which 8 candidates passed in 13 papers.

Winter Session AM-IIW Examination 2023-24 was held between 13 to 21 of January 2024 on Saturdays and Sundays by pen & paper method under online supervision and it was conducted successfully. A total of 5 candidates appeared in 20 papers, out of which 4 candidates passed in 10 papers.

❖ **REPORT OF SKILL DEVELOPMENT COMMITTEE**

Chairman : Mr. Ramendra Chandra Saha

● **Assessment under National Welding Training and Certification Scheme (NWTCS)**

During 2023-24, 1 new organisation M/s. Amal Jyothi College of Engineering, Kottayam, Kerala has applied as an Authorised Training Centre (ATC) to conduct the NWTCS course curriculum of the Institute but agreement yet to be done, and one another organisation namely Rudraksh Institute of Advanced Technical Training, Jaipur, Rajasthan has also renewed the agreement for another 3 years. Both the organisation was approved as ATC after physical verification.

Further, 338 Nos. of Students have been assessed under various categories as follows:

Name	Description	No. of Candidates Assessed
Learnet Skills Limited, Pune, Maharashtra	GMAW -F	25
INOXCVA ITMBU Welding Centre, Vadodara, Gujarat	GTAW -F	13
	GMAW -F	01
J K R Skill Development Centre, Thanjavur, Tamil Nadu	OFGC-F	123
	Expert Welder	37
	MMAW -F	72
Prabha Automotive Engineers` Pvt. Ltd., Chennai, Tamil Nadu	GMAW -F	25
St. Thomas School Technical Training Centre, Kolkata	MMAW -F	12
Rudraksh Institute of Advanced Technical Training, Jaipur, Rajasthan	MMAW -F	30
	T O T A L	338

❖ **Support to Industries**

Awareness cum upskilling programmes conducted for the welders of M/s. iPe Projects & Technical Services Pvt. Ltd, at their Angul Project Site, M/s. TCG Lifesciences Pvt. Ltd., Kolkata and M/s. Crescent Foundry Co. Pvt. Ltd., at their Bagnan Plant. A total of 30 welders were appeared in the program and all of them have acquired the required proficiency in different processes.

Apart from the above, an awareness programme conducted for the Welding Engineers and Supervisors of M/s. ITD Cementation India Ltd., at their Chennai Metro Railway project. 16 candidates attended the programme and Participation Certificates issued to them.

❖ **National Skill Competitions 2023**

a) National Skill Competition for Best of the Best Welders:

During November 2023, the preliminary competition was conducted in 9 cities across India, where a total of 261 competitors participated in 5 categories to get the final berth. National final of the competition was held at Trinity NDT, Bangalore, on 22nd & 23rd December 2023, where 24 out of 37 finalists exercised their skills to get the award.

b) National Best Welder Competition for Women:

During November 2023, the preliminary competition was conducted in 4 cities, where a total of 28 competitors participated in 4 categories to get the final berth. National final of the competition was held at Trinity NDT, Bangalore on 22nd & 23rd December 2023, where all the 9 finalists exercised their skills to get the award.

c) National Best Welding Engineers' Competition:

During December 2023, the preliminary competition was held, where a total of 300+ competitors from more than 40 organisations participated online across India to get the top 10 spots. Again, an online interview was done with the top 10 participants during the last week of December 2023, from where the Winner and Runner-up were selected.

d) Aspirant Welding Engineers' Competition:

During December 2023, the preliminary competition was held, where a total of 100+ engineering students from more than 20 institutes participated online across India to get the top 10 spots. An online interview was done with the top 10 participants during the last week of December 2023, from where the Winner and Runner-up were selected.

The awards for all the above Skill Competitions have been presented during the inaugural session of the International Congress (IC-2024), hosted by IIW-India Bangalore Branch, on 22nd of January 2024. The name of the awardees are given below:

Sl. No.	Name of the Award	Category	Recipients	Award Details
1	Bohler Welding Award on National Skill Competition for Best of the Best Welders' Sponsored by voestalpine Bohler Welding India Pvt. Ltd., Mumbai	Best of the Best Structural Welder in SMAW Process (Carbon Steel)	Winner: P. Karthik, BHEL Ranipet, Chennai	Rs. 20,000/-, a Certificate and a gift
			Runner-up: Kiran Parmer, Danfoss India Pvt Ltd., Baroda	Rs. 10,000/-, a Certificate and a gift
		Best of the Best Structural Welder in GMAW Process (Carbon Steel)	Winner: Rahul, Andritz Hydro Pvt Ltd., Delhi	Rs. 20,000/-, a Certificate and a gift
			Runner-up: Satvir Yadav, Taikisha Engg India Pvt Ltd, Pune	Rs. 10,000/-, a Certificate and a gift
		Best of the Best Pipe Welder in GMAW Process (Carbon Steel)	Winner: Kundan Kumar, L&T M&MIC, Kancheepuram, Chennai	Rs. 20,000/-, a Certificate and a gift
			Runner-up: Karaj Singh, Andritz Hydro Pvt Ltd., Delhi	Rs. 10,000/-, a Certificate and a gift
		Best of the Best Pipe Welder in GTAW Process (Carbon Steel)	Winner: Anil Kumar Sahani, EverdewEngg Pvt Ltd., Pune	Rs. 20,000/-, a Certificate and a gift
			Runner-up: Appa Londhe, Voestalpine Bohler Welding India Pvt. Ltd., Mumbai	Rs. 10,000/-, a Certificate and a gift
2	Bohler Welding Award on 'National Best Welder Competition for Women' Sponsored by voestalpine Bohler Welding India Pvt. Ltd., Mumbai	Best Structural Welder (Women) in GMAW process (Carbon Steel)	Winner: Kuni Behera, CV Raman Global University, Bhubaneswar	Rs. 20,000/-, a Certificate and a gift
			Runner-up: Poonam, Gurukul, Heromotocorp, Delhi	Rs. 10,000/-, a Certificate and a gift
		Best Pipe Welder (Women) in GMAW process (Carbon Steel)	Winner: R. Kannagi, Schwing Stetter, Chennai	Rs. 20,000/-, a Certificate and a gift
			Runner-up: Rina Bagha, CV Raman Global University, Bhubaneswar	Rs. 10,000/-, a Certificate and a gift
		Best Pipe welder (Women) in GTAW process (Carbon Steel)	Winner: Nikisha Jagdishbhai Bhoi, Larson & Toubro Ltd-Ranoli, Baroda	Rs. 20,000/-, a Certificate and a gift
			Runner-up: Urmila Nayak, CV Raman Global University, Bhubaneswar	Rs. 10,000/-, a Certificate and a gift

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3	Award on 'National Best Welding Engineers' Competition'	Best Welding Engineer	Winner: Krishnaprakash Bhatt, L&T - VHEW, Ranoli, Vadodara	Rs. 20,000/- and a Certificate
	by The Indian Institute of Welding		Runner-up: Abhishek Singh, Danieli Corus India Pvt. Ltd., New Delhi	Rs. 10,000/- and a Certificate
4	Award on 'Aspirant Welding Engineers' Competition'	Best Aspirant Welding Engineer	Winner: Mayur Harshadkumar Mandviwala, BVM Engg.College, Gujarat	Rs. 15,000/- and a Certificate
	ByThe Indian Institute of Welding		Runner-up: Sanket Khandagale, Indus University, Gujarat	Rs. 10,000/- and a Certificate

❖ YOUNG PROFESSIONALS & STUDENTS' ACTIVITY COMMITTEE

Chairman : Prof. Vishvesh J. Badheka

The Branch wise list of Students' Chapters of the institute during 2023-24 are as follows:

Sl.	Name of the Student Chapter	Responsible Branch
1	ITM Universe	Baroda
2	Faculty of Engg. & Technology, Parul University	Baroda
3	Pandit Deendayal Energy (PDEU) University	Baroda
4	Marwadi University	Baroda
5	Sardar Vallabhbhai National Institute of Technology (SVNIT)	Baroda
6	Ajay Binay Institute of Technology, Cuttack, Odhisa	Bhubaneswar
7	Rajalakshmi Engineering College, Rajalakshmi Nagar, Thandalam, Chennai	Chennai
8	Easwari Engineering College, Coimbatore, Tamil Nadu	Chennai
9	St. Joseph's College of Engineering, Chennai	Chennai
10	Loyola-ICAM College of Engineering and Technology (LICET), Chennai	Chennai
11	Chennai Institute of Technology (Autonomous), Chennai	Chennai
12	Amal Jyothi College of Engineering, Kottayam, Kerala	Cochin
13	SAINTGITS College of Engineering, Kerala	Cochin
14	ABES Engineering College, New Delhi	Delhi
15	Institute of Engineering & Management, Salt Lake, Kolkata	Kolkata
16	Techno India Main, Salt Lake, Kolkata	Kolkata
17	Dr. Sudhir Chandra Sur Inst. of Tech. & Sports Complex, Dum-Dum Road, Kolkata	Kolkata
18	MET Institute of Engineering, Bhujbal Knowledge, City-Adgaon Nashik, Maharashtra	Mumbai
19	FR. C. Rodrigues Institute of Technology, Vashi, Navi Mumbai, Maharashtra	Mumbai
20	SNJB's Late Sau. K.B. Jain College of Engineering, Nashik, Maharashtra	Mumbai
21	Deogiri Institute of Engineering & Management Studies, Aurangabad	Pune
22	Marathwada Institute of Technology, Aurangabad	Pune

To motivate the young professionals and the aspirant engineers, various activities took place by this committee during the year under consideration. Instituted in 2021, Parimal Biswas Memorial Award for the Best Students' Chapter is being given to the Best Students' Chapter of IIW-India, whose students are actively involved in various activities related to welding science and technology. This award is being sponsored by M/s. Indaidis International of Cochin with a Cash prize of Rs.20,000/- and certificate to the winner and Rs.10,000/- and certificate to the Runner-up.

After thorough scrutinizing, it has been declared that Pandit Deendayal Energy University, Gandhinagar came up as the Winner, and Parul Institute of Engineering & Technology, Baroda along with Saintgits Engineering College, Cochin came up jointly as the Runner-up. The awards were presented during the inaugural session of the International Congress (IC-2024) on 22nd of January 2024.

Further, various other activities like Welding Quiz competitions, Industry visits, Free Webinars for enhancing the knowledge of the students have also been arranged for the Student Members.

ACTIVITIES OF DIFFERENT DIVISIONS

❖ RREPORT OF ANB-INDIA

Chairman - Governing Council (GC) : Mr. Deepak V. Acharya

Chairman - Advisory Board (AB) : Dr. Shaju K. Albert

Chairman - Executive Committee (EC) : Mr. Rahul Sengupta

➤ ANB-India Governing Council under the New Regulations

Formation of the Governing Council of ANB-India has been done as per the decision and Resolution taken in the Governing Council Meeting held on 22nd September 2023, to maintain parity with the International Authorization Board (IAB) Rules 001r11-20, which requires restructuring of ANB-India Management structure. The structure of ANB-India Governing Council is here under:

Sl. No.	Name	IIW-India position / Nominee	Function/Role in the Governing Council Clause 1.10 (IAB 001r11-20)
1	Mr. Deepak V. Acharya	Chairman (President, IIW- India)	> Policies and procedures relating to the operation of the ANB, > Finances of the ANB
2	Mr. R. Srinivasan	Vice Chairman (Representative to IIW BOD)	> Policies and procedures relating to the operation of the ANB > Consideration and decision in regard to appeals and complaints
3	Mr. Rituraj Bose	Convener (Hony. Secretary General, IIW-India)	> Implementation of the policies and procedures > Contractual arrangements
4	Mr. Devasis Paul	Treasurer (Member, IIW-India Council)	> Finances of the ANB > Implementation of the policies and procedures
5	Mr. Abby K. Joseph	Representative from Industry	> Consideration and decision in regard to appeals and complaints
6	Mr. Rahul Sengupta	Representative from Industry	> Examination and related assessment activities
7	Mr. T. Ravi Kumar	Representative from Testing Body	> Resources for qualification activities, including approval of ATBs
8	Mr. Som Ashutosh	Representative from Educational Institution	> Examination and related assessment activities
9	Mr. Ratan Poddar	Member, IIW-India Council (Industry)	> Finances of the ANB
10	Dr. Shaju K. Albert	Member, ANB-India Advisory Board	> Decisions on qualification or certification, including the granting, maintaining or withdrawing the qualification or certification, decisions on approval of ATBs, including expanding, reducing the scope of activity, or withdrawing the approval;
11	Mr. Dileep V. Kulkarni	Member, ANB-India Advisory Board	> Decisions on qualification or certification, including the granting, maintaining or withdrawing the qualification or certification, decisions on approval of ATBs, including expanding, reducing the scope of activity, or withdrawing the approval;
12	Mr. N. Kanagasabai	Nominee, Skill Development Committee	> Resources for qualification activities, including approval of ATBs

In the first Governing Council Meeting, the Advisory Board and the Executive Committee for the year 2023-24 have been formed for smooth operation of the Division.

ANB-India Governing Council has nominated Dr. Mahadev Shome as the Dy. CEO of ANB-India, who has joined the office from 1st of October 2023 and scheduled to take charge as the CEO, ANB-India on 1st of April 2024 in place of Mr. R. Banerjee, who is scheduled to retire from the Office on 31st of March 2024.

➤ **IIW/IAB Meetings**

76th IIW Annual Assembly from 16th to 21st July 2023:

Dr. Shaju K. Albert, Chairman, Advisory Board, ANB-India, attended the IAB meetings in Singapore. The brief outcome of IAB Group A, Group B, and Members Meeting are as follows.

Group-A(Education, Training & Qualification) meeting on 17-07-2023:

IIW-India's request not to force classroom lectures of standard route for the candidates who failed to clear the alternative route even after two attempts is accepted. The suggestion to permit them to appear for third time after going through an orientation program is also accepted. However, more clarity is needed on who would be authorised to conduct such orientation program for the candidates.

Group-B (Implementation, Authorisation and Certification) meeting on 18-07-2023:

IIW-India's proposal to extend validity of certificates for both ANB & ANBCC for 3 years instead of 2 years after the online Extra-Surveillance Audit has been accepted. However, India's proposal to consider the Extra-Surveillance Audit conducted in the month of November 2022 which was quite exhaustive as full Renewal Audit vide which Validity of Certificates should have been extended by full period of 5 years, not accepted.

IIW Members Meeting on 19-07-2023:

As per IIW-India's proposal to explore the possibilities of reducing the Audit fees to which Chairman Dr. Boyoung Lee suggested to form a task force to discuss the issue and submit report for IAB's consideration.

➤ **International Welding Coordination Personnel (IWCP)**

STANDARD ROUTE:

ANB-India Approved Training Body, Cornerstone Academy Pvt. Ltd. (CAPL), Chennai, has completed the IWE/IWT (International Welding Engineer / International Welding Technologist) course of 13th Batch of 39 students in July 2023 in Online and partly physical mode. The examination was conducted during July 2023 and results declared; 32 out of 39 candidates have been awarded Diplomas at respective levels. The 14th Batch (IWE/IWT) Course started in October 2023 with 49 candidates.

In view of demand for admission through Standard Route for IWE/IWT, Cornerstone Academy (P) Ltd. has applied for approval of increase in student strength from approved 30 to 50 nos., covering IWE & IWT candidates as per IAB Guideline IAB 252r5-19. Their proposal has been approved and after successful audit by ATB Assessor on 11th August 2023, ANB-India has approved the capacity to be increased from 30 to 50 nos. from the next (14th Standard Route) IWE/IWT batch.

ALTERNATIVE ROUTE:

The 16th Alternative Route Examination with 17 candidates conducted in July 2023 and 6 out of 17 candidates have been awarded Diplomas, issued in November 2023.

The 17th Alternative Route Examination with 26 Candidates has been conducted during February 2024 simultaneously at three physical Centers, Baroda, Chennai and Kolkata, under direct ANB-India invigilation. 15 out of 26 candidates have been awarded Diplomas at respective level.

TRANSITION ROUTE:

The 97th IWCP Refresher Course under Transition Route in Online mode has been conducted in November – December 2023 with 33 fresh candidates and 12 Students. Results has been declared and 15 Diplomas have been awarded to the successful candidates at their respective levels.

➤ International Welder (IW)

ADOR – ATB

ADOR Welding Training Division at Pune, a part of ADOR Welding Limited, has started functioning under active guidance and supervision of ANB-India as ADOR-ATB, the new Approved Training Body of ANB-India. 7 candidates have already enrolled for the International Welder (IW) Course, who are attending theory classes and undergoing Practical training sessions.

Don Bosco Tech – ATB

The 29th IW Exam has been conducted at Don Bosco Tech Institute, Kochi, an Approved Training Body of ANB-India with 16 Candidates in August 2023, and 46 Diplomas (comprehensive) have been awarded in November 2023. Also, 27 Diplomas issued to the successful candidates of 28th IW Exam (February 2023) during 2023-24.

The Table showing the IIW Diploma Issue Status for all Qualifications

Diploma	Route	Cumulative Diploma issued up to 31-03-2023	Diploma issued from 01-04-2023 to 31-03-2024	Total Diploma issued up to 31-03-2024
IWCP	All Routes	1227	68	1295
IWIP	Transition	25	-	25
IW	All Routes / Processes	309	73	382
Total		1561	141	1702

❖ Internal Audit

Internal Audit conducted by the newly appointed auditor Mr. Mohit Kumar Nandi on 14th March 2024. 1 NCR was issued and responded thereafter. Also, 3 OFIs (Opportunities for Improvement) issued by the auditor to address.

❖ REPORT OF ANBCC-INDIA

Chairman - Governing Council (GC) : Mr. Deepak V. Acharya

Chairman - Certification Scheme Committee : Dr. Dipak Chandiramani

Chairman - Management Committee (MC) : Mr. B. K. Mishra

❖ ANBCC-India Governing Council under the New Regulations

Formation of the Governing Council of ANBCC-India has been done as per the decision and Resolution taken in the Governing Council Meeting held on 22nd September 2023, to maintain parity with the International Authorization Board (IAB) Rules IAB 339r6-21, which requires restructuring of ANBCC-India Management structure. The structure of ANCCB-India Governing Council is here under:

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Sl. No	Designation	Name of Person	Function/Role in the Governing Council Clause 5.1.3 (ISO:17065:2012) (sub cl. of 5.1.3)	Ref Cl. No. 5.1 of IAB 339r6-2021
1	Chairman (President, IIW-India)	Mr. Deepak V. Acharya	<ul style="list-style-type: none"> • Provision of adequate resources for certification activities (k) • Delegation of authority to committees or personnel as required to undertake defined activities on its behalf. (i) • Development of policies relating to the operation of the certification body (a) 	<ul style="list-style-type: none"> • Provision of adequate assurance for independent and impartial operation certification activities • Delegation of authority to committees or personnel as required to undertake defined activities on its behalf.
2	Vice Chairman (Representative to IIW BOD)	Mr. R. Srinivasan	<ul style="list-style-type: none"> • Supervision of the implementation of the policies and procedures (b) • Responsiveness to complaints and appeals (l) 	<ul style="list-style-type: none"> • To take safeguard against conflict of interest effecting the certification process
3	Convener (Hony. Secretary General, IIW-India)	Mr. Rituraj Bose	<ul style="list-style-type: none"> • Contractual arrangements (j) • Provision of adequate resources for certification activities (k) 	
4	Treasurer (Member, IIW-India Council)	Mr. Devasis Paul	<ul style="list-style-type: none"> • Supervision of finances of the certification body. (c) 	
5	Representative from Industry	Mr. Abby K. Joseph	<ul style="list-style-type: none"> • Decision of certification activities (h) 	<ul style="list-style-type: none"> • Decision of certification activities
6	Representative from Industry	Mr. Rahul Sengupta	<ul style="list-style-type: none"> • Evaluation, decisions & requirements of certification activities (f), (h), (d) 	<ul style="list-style-type: none"> • Evaluation, decisions & requirements of certification activities
7	Representative from Testing Body	Mr. T. Ravi Kumar	<ul style="list-style-type: none"> • Decision of certification activities (h) 	<ul style="list-style-type: none"> • Decision of certification activities
8	Representative from Educational Institution	Mr. Som Ashutosh	<ul style="list-style-type: none"> • Review of Certification Activities (g) • Personnel Competence requirements (m) 	<ul style="list-style-type: none"> • Review of Certification Activities • Personnel Competence requirements
9	Member, IIW-India Council (Industry)	Mr. Ratan Poddar	<ul style="list-style-type: none"> • Finances of legal entity 	
10	Member, ANBCC-India Certification Scheme Comm.	Dr. D. Chandiramani	<ul style="list-style-type: none"> • Development, evaluation, decisions & requirements of certification activities (d), (e), (f), (h) • Management system for the certification body(n) 	<ul style="list-style-type: none"> • Development, evaluation, decisions & requirements of certification activities
11	Member, ANBCC-India Certification Scheme Comm.	Mr. Jose P. Phillip	<ul style="list-style-type: none"> • Decision of certification activities(h) 	<ul style="list-style-type: none"> • Decision of certification activities
12	Member, ANBCC-India Certification Scheme Comm.	Mr. B. K. Mishra	<ul style="list-style-type: none"> • Provision of adequate resources for certification activities (k) 	

In the first Governing Council Meeting, the Certification Scheme Committee and the Management Committee for the year 2023-24 have been formed for smooth operation of the Division.

ANBCC-India Governing Council has nominated Dr. Mahadev Shome as the Dy. Scheme Manager of ANBCC-India, who has joined the office from 1st of October 2023 and scheduled to take charge as the CEO, ANB-India on 1st of April 2024 in place of Mr. R. Banerjee, who is scheduled to retire from the Office on 31st of March 2024.

❖ IIW / IAB Meetings

76th IIW Annual Assembly from 16th to 22nd July 2023:

Mr. Aloke Kumar Bose, Director, ANBCC-India, attended the IAB meetings at Singapore. Reports already provided in ANB-India section.

➤ **Audit and Certification status of ANBCC-India for the Year 2023-24:**

Sl. No.	Audit activity and Certification Type	Nos.	Status as on 31-03-2024
1	Stage 1 Audit (ISO 3834-2)	1	Observation Report issued
2	New Certification (EN 15085)	2	Certificate issued
3	New Certification (ISO: 3834-2)	1	Certificate issued
4	New Certification (ISO: 3834-3)	2	Certificate issued
5	Re-Certification Audit (EN 15085)	1	Certificate issued
6	Re-Certification Audit (ISO: 3834-2)	2	Certificate issued
7	Surveillance Audit (EN 15085)	3	Certificate issued
8	Surveillance Audit (ISO: 3834-2)	18	Certificate issued
9	Surveillance Audit (ISO: 3834-3)	2	Certificate issued
	Total	32	

Certification Status:

Total 43 (35 as per ISO:3834 - 2 levels & 8 as per EN 15085 - 2 levels) Organisations certified till 31st March 2024 by ANBCC-India, since its inception.

➤ **ANBCC-India Workshop**

During IC-2024, a particular session on Day-2 was dedicated to the invited audience interested in Company Certification in accordance with ISO 3834. Around 30 participants from different organisations participated in the workshop. This Session was Chaired by Mr. Deepak V. Acharya, President, IIW-India which comprised of –

- a) Introduction to the IIW certification scheme for companies (ISO 3834) and relationship with the product standards used in the main markets (EU & USA) by Dr. Luca Costa, CEO, IIW.
- b) Services delivered by IIW-India for Welding Quality Certification for the Indian fabrication industry by Mr. Ranajoy Banerjee, Scheme Manager, ANBCC-India.
- c) Feedback by Inox India Ltd. with respect to ISO:3834 Certification through ANBCC-India by Mr. Pratik Gandhi.
- d) Feedback by Plasser (India) Pvt. Ltd. with respect to ISO:3834 Certification through ANBCC-India by Mr. Chintan Gohil.
- e) Open House discussions and clarification on queries by the expert panel.
- f) Vote of Thanks by Dr. Mahadev Shome, Deputy Scheme Manager, ANBCC-India.

➤ **Internal Audit**

Internal Audit conducted by the newly appointed auditor Mr. Mohit Kumar Nandi on 21st February 2024. No NCR was issued, however, 4 OFIs (Opportunities for Improvement) issued by the auditor to address.

❖ **IIW-INDIA PRODUCT CERTIFICATION DIVISION**

The Product Certification Division was formed as per the resolution taken during the 332nd Council meeting of IIW-India. IIWIPC will be the Scheme Owner, meeting the requirements of ISO 17065:2012, the standard proposed to be adopted presently for product certification. Further, the Certification Scheme will be based on Certification of Welded (Fusion as well as solid state) Product Manufacturers as per the requirements to the latest revision of ISO: 3834.

IIWIPC shall be an independent division under ANBCC-India and the governing council thus formed shall function independently with the requisite authority, responsibility, and accountability consistent with the requirements of the adopted standard, the structure of which is almost similar to ANBCC-India and the name of Mr. A. A. Deshpande included in the Governing Council, in place of Mr. Jose P. Philip.

With the above standpoint, a separate Quality Manual and Quality Procedure have been framed to pave the way for smooth functioning of the system of IIWIPC Division to get the accreditation from NABCB.

❖ **IIW-INDIA FOUNDATION**

Chairman : Mr. Ashok Malage

During the year in consideration, IIW-India Foundation has conducted the 8th 'Young Engineers' Competition', in association with IIW-India Cochin Branch. The competition was held on 16th of December 2023, at Kochi. Altogether 7 teams were participated. The winners of the competition were felicitated during the inaugural session of the International Congress (IC-2024), held at Bangalore International Exhibition Centre, Bangalore on 22nd January 2024.

Name of the Award	Recipients	Papers Presented	Award Details
D&H Secheron Award on 'Young Engineers' Competition' Sponsored by D&H Secheron Electrodes Ltd., Indore	Winner: Raj Vora, Anuj Kurumkar, and Vikram D'Souza of L&T Defence, Pune	Refurbishment of Vertical Launcher Unit (VLU) by re-welding of AA6061 with consumable ER5356	Rs. 50,000/- and a Certificate
	First Runner-up: Gaurav H. Patel, Mukesh S. Panchal and Aniket Talele of L&T Ltd., MHI Power Boiler, Hazira	Revolutionizing Y -Anchor Welding: A strategic shift to enhance productivity and cost efficiency in CFB Boilers	Rs. 25,000/- and a Certificate
	Second Runner-up: Kedar H. Badheka, and Ankit Shah of Gujarat Technological University and Gautam Chudasama of SVNIT, Surat	Friction Surfacing of aluminum on low carbon steel with Hybrid friction surfacing diffusion bonding tool	Rs. 10,000/- and a Certificate

Welding Innovations Network (WIN) 3rd e-Course:

IIW-India Foundation has conducted the 3rd programme on Welding Innovation Network (WIN) on the subject Residual stresses and defects in modern welding and additive manufacturing, delivered by Prof. Anna Paradowska, Conjoint Professor in Advanced Structure Materials at The University of Sydney, Australia, held on 27th September 2023. Over 400 participants across the globe registered for this webinar. The programme was well appreciated by all the attendees.

❖ **IIW-INDIA CERTIFICATION**

Chairman: Mr. Rituraj Bose

IIW-India Certification (IIWIC) Division started working during the year with full swing. Application given to NABCB for Accreditation as Certification Body. After review of the documents, including Quality System Manual and different certification schemes, onsite audit at IIW-India House was carried out by the NABCB Auditors during 9th & 10th of February 2024. 1 major and 5 minor Non-conformities with 2 concerns were issued, which were addressed within the time frame and waiting for the approval. The schemes offered for NABCB accreditation are:

- a) Certified Welder (CW) as per National Welding Training and Certification Scheme (NWTCS)
- b) Certified Welding Trainer (CWT) as per Training of Trainers (TOT) Scheme
- c) Certified Welding Inspector (CWI) as per National Welding Inspectors' Certification Scheme (NWICS)
- d) Welder Certification (WC) as per different National and International Codes & Standards

In 2023-24, the following programmes have been done under Certification Division.

- 1) Certified 24 Welders in accordance with ASME Section IX, AWS D1.1, ISO 9606-1 and IS 7310-1 for 4 organisations.
- 2) Qualified 8 WPS for 3 organisations in accordance with ASME Section IX and AWS D1.1.
- 3) Welding Inspector Course (WIC) conducted by IIW-India Baroda Branch during September 2023. 20 out of 22 candidates were issued the Certificates after successfully completed the course.
- 4) During the Quality Month initiatives in November 2023, L&T JVML Bellari Project has organised a 'Master Welder' award programme, where 30 welders were awarded with the certificates after proper verification. The programme was conducted by L&T Construction, Minerals & Metals Division, in association with IIW-India.

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BRANCH ACTIVITIES

In 2023-24, the Branch wise activities are detailed here below:

❖ BANGALORE BRANCH

Chairman : **Mr. Sudarshan Narasipura**

Hony. Secretary : **Dr. Vijay Petley**

The Annual General Meeting of the Bangalore Branch for the year 2023 was held on 1st of July 2023.

The following activity was conducted by the Branch during 2023-24:

Sl. No.	Date	Description of the Event
1.	21/11/2023 to 22/11/2023	Branch level Best Welder Competition was held on 21st & 22nd November 2023 at the facilities of M/s. Trinity NDT, Aspire, Peenya Industrial Estate, Bangalore., sponsored by voestalpine Bohler Welding India Pvt. Ltd. Total 64 participants took part in the competition.
2.	22/12/2023 to 23/12/2023	Final of the National Skills Competitions for the Best of the Best Welders and the Best Women Welders were held on 22nd & 23rd December 2023 at the Office of M/s. Trinity NDT, Aspire, Peenya Industrial Estate, Bangalore. Total 31 participants took part in the National Finals.
3.	22/01/2024 to 24/01/2024	The 6th IIW International Congress (IC-2024) was held during 22-24 January 2024, at the Bangalore International Exhibition Centre (BIEC). This event was hosted by IIW-India and ably supported by the Bangalore Branch of IIW-India. Detailed report on this event has been covered separately.

❖ BARODA BRANCH

Chairman : **Mr. Rajesh Madnani**

Hony. Secretary : **Mr. Jignesh Patel**

The Annual General Meeting of the Baroda Branch for the year 2023 was held on 10th of June 2023.

The following activities were conducted by the Branch during 2023-24:

Sl. No.	Date	Description of the Event
1.	10/06/2023	Organised Evening lecture on 'Joining of Dissimilar metal by Friction Welding for Fabrication of Ion Extractor Grid for Fusion Research' by Shri Mukti Ranjan Jana, Institute for Plasma Research, at Hotel Suba Elite.
2.	27/06/2023	One-day workshop on "Welding Simulator-AR VR Experience" organised by Parul University Students' chapter, in association with IIW-India Baroda branch at the University Campus.
3.	31/08/2023 to 15/09/2023	National Level Quiz Competition on Welding Technology has been organised by the Branch in three phases. Phase 1 was the Pre-Qualifying Round, held Online on August 31, 2023. Phase 2 was the Qualifying Round held Online during September 09-11, 2023. Finally, Phase 3 was held physically at the Parul University, Baroda, on September 15, 2023. Mr. Rajesh Madnani (Chairman, IIW-India Baroda Branch), Mr. Ramprasad Chari (Ex-Chairman, IIW-India Baroda Branch) and Dr. Subhash Das (Baroda Branch member and Co-Convener of the event) were the Jury and Expert. In the Grand Finale, the best of the best emerged victorious was as follows: 1st Position: BVM Engineering College - Mayur Mandviwala 2nd Position: M.S University - Joshi Darshan / Zuned Bavaliya

3rd Position: MS University - Yashkumar Bahvsar

80 students participated in total with 36 teams of maximum 3 students in a team.

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Sl. No.	Date	Description of the Event
4.	7/10/2023	25th Foundation Day of IIW-India Baroda branch has been celebrated on 7th October 2023 at Hotel Marriott, Vadodara. A lecture was organised on the theme 'Welding industry in India - Challenges and Applications'. Total 100 participants took part in this event.
5.	25/11/2023	Branch level Best Welder Competition was held on 25th November at M/s. Anuptech, Baroda, sponsored by voestalpine Bohler Welding India Pvt. Ltd. Total 18 participants took part including women welders.
6.	4/12/2023 to 7/12/2023	In house Welding Training program conducted at Metallizing Equipment Co. Pvt. Ltd., Jodhpur, Rajasthan, from 04-12-23 to 07-12-2023 through Mr. Prashant Barodia. The Training was on Basics of SMAW and GMAW process with practical knowledge. Total 10 participants including welders, supervisors and engineers attended the event.
7.	9/12/2023	One-day seminar on 'Developments in Quality Management in the field of welding' organised by Bureau of Indian Standards (BIS) in association with Baroda Branch on 9th December at Hotel Express Towers, Vadodara. Total 75 participants took part in this event.
8.	7/02/2024	An evening lecture on the topic 'Significant Advances in Surface NDT Methods' has been organised at Hotel Tarasuns, Vadodara on 7th February 2024. This programme has been organised jointly by Indian Society for Non-Destructive Testing, Vadodara Chapter, The Indian Institute of Welding, Baroda Branch and the Baroda Management Association. Around 105 participants attended the programme.

❖ BHILAI BRANCH

Chairman : Mr. Arvind Kumar

Hony. Secretary : Mr. M. R. K. Shariff

The Annual General Meeting of the Bhilai Branch for the year 2023 was held on 1st of July 2023.

No other activities reported by the Branch for the year 2023-24.

❖ BHUBANESWAR BRANCH

Chairman : Prof. Omkarnath Mohanty

Hony. Secretary : Dr. Partha Sarathi De

The Indian Institute of Welding instituted its 14th Branch at Bhubaneswar and commenced its inauguration on 4th of November 2023.

The following activities were conducted by the Bhubaneswar Branch during 2023-24, which includes their Centre status under the aegis of IIW-India Kolkata Branch:

Sl. No.	Date	Description of the Event
1.	1/09/2023 to 2/09/2023	The National Welding Meet (NWM-2023) has been organised and hosted by IIW-India Bhubaneswar Centre (prior to their Branch status) at the Utkal Chamber of Commerce and Industry Limited, Bhubaneswar, Odisha, during 1st & 2nd of September 2023. The programme was inaugurated by Sri Sankar Biswas of M/s. TATA Steel Ltd., Kalinganagar. Detailed report on this event has been covered separately.
2.	4/11/2023	Inauguration of the newly formed Bhubaneswar Branch was inaugurated by Mr. Deepak V. Acharya, President, IIW-India, on 4th of November 2023, at Hotel Swosti Premium, Bhubaneswar, Odisha.
3.	28/11/2023	Branch level Best Welder Competition was held on 28th November at C. V. Raman Global University, sponsored by voestalpine Bohler Welding India Pvt. Ltd. Total 22 participants took part including women welders.

❖ **CHENNAI BRANCH**

Chairman : Prof. V. Balasubramanian

Hony. Secretary : Mr. Utpal Borah

The Annual General Meeting of the Chennai Branch for the year 2023 was held on 16th of July 2023.

The following activities were conducted by the Branch during 2023-24:

Sl. No.	Date	Description of the Event
1.	18/08/2023	One-Day Workshop on 'Welding of Armour Steels & Allied Metallurgy (WASAM-2023)' has been organized by IIW-India Chennai Branch in association with Heavy Vehicles Factory, Armoured Vehicles Nigam Limited, Avadi, Chennai, at their premises in physical mode. Shri. V.R. Ramabhad, IOFS, Chief General Manager, HVF, Avadi, inaugurated the workshop and delivered the inaugural address. Prof. V. Balasubramanian, Chairman, IIW-India Chennai Branch, delivered the presidential address briefing on IIW-India and its activities. The first Lecture has been given by Prof. V. Balasubramanian on 'Introduction of Armour Steels, Welding Processes and Welding Metallurgy'. The second Lecture has been delivered by Dr. G. Madhusudhan Reddy, Outstanding Scientist & Former Director, DMRL, Hyderabad, on 'Challenges & Opportunities in Welding Aspects of Armour grade steels for Defence Applications'. The third Lecture was delivered by Mr. A. Hafeezur Rahman of CVRDE, DRDO, Avadi, on 'Materials & Manufacturing Perspectives in Design and Fabrication of Armour Fighting Vehicles'. The event was attended by more than 120 participants.
2.	15/09/2023	Engineers' Day has been observed by Chennai Branch on 15th September 2023. The welcome address was delivered by Prof. V. Balasubramanian, Chairman, IIW-India Chennai Branch, by narrating the life history of Sir M. Visvesvaraya. Prof. Antony Jeyasekhar delivered an informative Talk on 'Engineering Innovation & Infrastructure Development'. The program was attended by 85 participants through online mode.
3.	12/10/2023	The 3rd IIW-India Students' Chapter under the Branch was inaugurated at St. Joseph College of Engineering, OMR, Chennai. Around 40 students associated with IIW-India as Student Member.
4.	9/11/2023	The 4th IIW-India Students' Chapter under the Branch was inaugurated at LOYOLA-ICAM College of Engineering & Technology, Chennai. Around 37 students associated with IIW-India as Student Member.
5.	18/11/2023	The branch level Best of the Best Welders competition was conducted at L&T Engineering Workshop (LTEW), Kancheepuram. Shri. J. Suresh, Head, LTEW inaugurated the competition. 39 Welders, including women welders, from 12 organizations participated in the competition from all over Tamil Nadu.
6.	14/12/2023	The 5th IIW-India Students' Chapter under the Branch was inaugurated at Chennai Institute of Technology (CIT), Kundrathur. Around 31 students associated with IIW-India as Student Member.
7.	23/12/2023	One-Day Course on 'Welding Processes & Technologies (in Tamil)' has been conducted on 23rd December 2023, held at Hotel Radha Regent, Chennai. The programme was inaugurated by Shri. T.V. Prabhu, Head, CFED, IGCAR, Kalpakkam. Around 100 participants from 40 organizations attended the program.

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❖ COCHIN BRANCH

Chairman : **Mr. A. Prasad Kumar**

Hony. Secretary : **Mr. P. J. Varghese**

The Annual General Meeting of the Cochin Branch for the year 2023 was held on 27th of May 2023.

The following activities were conducted by the Branch during 2023-24:

Sl. No.	Date	Description of the Event
1.	23/05/2023	Inauguration of Students' Chapter was done on 23rd May 2023 under the Branch at Saintgits College of Engineering, Kottayam.
2.	19/06/2023	Cochin Branch along with DB Tech Private ITI organised Welder Course Phase V of the CSR Project of Cochin Shipyard, on 19/6/2023 at DB Tech Private ITI. Mr. Sampath Kumar, Head of CSR Project CSL was the Chief Guest of event, chaired by IIW-India Cochin Branch Chairman Mr. A. Prasad Kumar. Vote of thanks proposed by Mr. Jose P. Philip, Vice Chairman of ANBCC-India Certification Scheme Committee.
3.	14/11/2023	The Department of Metallurgy & Material Engineering of Students' Chapter Amal Jyothi College of Engineering, Kanjirappally, Kerala, conducted JCJ Memorial Quiz Program in association with IIW-India Cochin Branch.
4.	22/11/2023 to 23/11/2023	Branch Level National Skill Competition for Best of the Best Welders was held at Don Bosco Tech Private ITI Vaduthala, Cochin on 22nd & 23rd November 2023. A total of 41 welders from prominent institutions participated in the competition.
5.	16/12/2023	8th edition of the D&H Secheron Electrodes Young Engineers' Competition 2023 was held at AOTS Nippon Kerala Centre, Kalamasserry, Kerala, organized jointly by IIW-India Cochin Branch and IIW-India Foundation. 7-teams from different organisations participated in the event.

❖ DELHI BRANCH

Chairman : **Mr. Harish Khurana**

Hony. Secretary : **Dr. Manoj Yadav**

The Annual General Meeting of the Delhi Branch for the year 2023 was held on 17th of June 2023.

The following activities were conducted by the Branch during 2023-24:

Sl. No.	Date	Description of the Event
1.	10/04/2023 to 12/04/2023	Delhi Branch successfully conducted the upskilling programme for the engineers of Triveni Engineering Works on MIG / GMAW Process. Mr. Harish Khurana and Mr. Pradeep Paul were the faculties of this programme.
2.	2/11/2023 to 3/11/2023	Branch Level National Skill Competition for Best of the Best Welders was held at Ajay Kumar Garg Engineering College, Ghaziabad on 2nd & 3rd November 2023. A total of 45 welders, including women welders, from prominent industries have participated in the competition.

❖ HYDERABAD BRANCH

Chairman : **Dr. C. V. S. Murthy**

Hony. Secretary : **Prof. Jeevan Jaidi**

The Annual General Meeting of the Hyderabad Branch for the year 2023 was held on 24th of June 2023.

The following activities were conducted by the Branch during 2023-24:

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Sl. No.	Date	Description of the Event
1.	11/01/2024 to 12/01/2024	<p>Hyderabad Branch organized a Workshop on 'Advanced Welding Technologies in National Mission Programs (AWTNMP 2024)' along with DRDL, Hyderabad, to enhance the knowledge of the scholars and faculties of the academia, engineers and scientists from the R&Ds and manufacturers from the above industries in the areas of materials, welding technologies and quality inspection techniques. The Invited Speakers were as follows:</p> <ul style="list-style-type: none"> ● Dr. G. Madhusudhan Reddy, Professor, NIT-Warangal. ● Prof. V. Balasubramanian, Annamalai University, Chidambaram. ● Shri. Challa Phani Babu, Dy. Chief Executive (Retd.), NFC, Hyderabad ● Dr. A. Manjunath, Scientist - G, GTRE, Bengaluru. ● Dr. S. Suresh, Former General Manager, WRI, BHEL Trichy & CoE Welding PSG Tech., Coimbatore. ● Prof. Gopala Krishna, JNTU, Kakinada, A.P. ● Dr. Christ P. Paul, Scientist, RRCAT, Indore. ● Dr. B. Venkatraman, Director, IGCAR, Kalpakkam. ● Dr. CVS Murthy, Associate Director, DRDL, Hyderabad. <p>It was held at the auditorium of DRDL, Hyderabad, where more than 100 participants have registered from academia, R&Ds, private industries and national labs (DRDO, DAE and CSIR) across the country.</p>

❖ JAMSHEDPUR BRANCH

Chairman : Dr. Anand Prabhakaran

Hony. Secretary : Dr. Kanwer Singh Arora

The Annual General Meeting of the Jamshedpur Branch for the year 2023 was held on 23rd of June 2023.

The following activities were conducted by the Branch during 2023-24:

Sl. No.	Date	Description of the Event
1.	3/11/2023 to 4/11/2023	<p>Jamshedpur Branch organised a Conference on 'Advances in Laser & Arc Cladding Technologies' on 3rd and 4th of November 2023, in Hybrid mode. The topics covered various types of Laser and Arc Cladding. The speakers of the event were as follows:</p> <ul style="list-style-type: none"> ● Dr. Ravi Bathe, ARCI, Hyderabad ● Dr. Manogna Karthik Gangaraju, IIT (BHU), Varanasi ● Dr. Shrikant Joshi, University West, Sweden ● Dr. C.P. Paul, RRCAT, Indore ● Mr. Shrikant Premkhede, Diffusion Engineers ● Mr. Neeraj Tiwary, Voestalpine Bohler Welding India Private Limited, Mumbai ● Prof. G.D. Janaki Ram, IIT Hyderabad ● Mr. Guillermo Guarnizo, New Infrared Technologies (NIT), Spain ● Dr. Viktor Glushych, Fraunhofer Institute for Laser Technology ILT Steinbachstr., Aachen, Germany ● Dr. U.S. Dixit, IIT Guwahati ● Mr. Amitava Sen, Hognas India Private Limited (HIPL), Pune, Maharashtra ● Mr. Sylvia Holly, Voestalpine Wire Technology Germany GmbH ● Mr. K.L. Pandey, Lincoln Electric Company (India) Pvt. LTD, Mumbai ● Dr. Joel Andersson, University West, Sweden

❖ KOLKATA BRANCH

Chairman : Prof. Santanu Das

Hony. Secretary : Mr. Devasis Paul

The Annual General Meeting of the Kolkata Branch for the year 2023 was held on 3rd of June 2023.

The following activities were conducted by the Branch during 2023-24:

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Sl. No.	Date	Description of the Event
1.	1/09/2023 to 2/09/2023	The National Welding Meet (NWM-2023) has been organised and hosted by IIW-India Bhubaneswar Centre, under the aegis of IIW-India Kolkata Branch, at the Utkal Chamber of Commerce and Industry Limited, Bhubaneswar, Odisha during 1st & 2nd of September 2023. The programme was inaugurated by Sri Sankar Biswas of M/s. TATA Steel Ltd., Kalinganagar. Detailed report on this event has been covered separately.
2.	11/10/2023	A Welding Quiz programme was organized by the Branch on 11/10/2023 at Dasnagar Govt. Polytechnic, Howrah, coordinated by Mr. Shuvendu Ghosh of GRSE, Kolkata. 12 teams from various Engineering Colleges participated in it. Mr. Devasis Paul, Prof. Santanu Das, Prof. T.K. Pal, Mr. Rituraj Bose and Prof. G. L. Datta attended the event. There were various discussions on the activities of IIW-INDIA and that of Kolkata Branch. Followed by the lecture of Prof. G. L. Datta on different processes and applications of welding. Prof. Santanu Das then briefly outlined the Career Opportunity of a Welding Engineer. Kalyani Govt. Engineering College came up as the Winner in the final round with MCKV Institute of Engineering, Liluah the Runner-up and 2nd Runner up was again another group of Kalyani Govt. Engineering College, Kalyani. Apart from these three institutes, participations were also from Asansol Engineering College, Asansol, Adamas University, Kolkata, and Dasnagar Govt. Polytechnic, Dasnagar, Howrah.
3.	11/10/2023	A One-Day programme was organised for the initiation of new Working Committee of the Students' Chapter of Institute of Engineering and Management, Salt Lake, Kolkata. Mr. Ramendra Chandra Saha delivered a lecture on Welding Processes during the event. He also supervised the whole event.
4.	16/11/2023	Branch level Best Welder Competition was organised at the IIW-India Welding Lab on 16th November 2023. Two persons participated in the competition.
5.	17/02/2024	A Workshop on 'Manual and Automated Arc Welding & Cutting' was organised by IIW-India Kolkata Branch for the Students' Chapter of Institute of Engineering & Management, Salt Lake, supported by M/s. Nextgen Plasma Pvt. Ltd., an ICM under Kolkata Branch, at their facility at Jagadishpur, Howrah.
6.	22/02/2024	A Webinar on 'Fundamentals of Welding and Some Widely Used Welding Processes' has been organised on 22nd February 2024. A lecture on the topic was delivered by Prof. Santanu Das, Chairman, Kolkata Branch and Professor, Mechacal Engg. Dept., Kalyani Govt. Engineering College. The participants in this webinar were mainly Diploma and Degree Engineering students.
7.	29/02/2024	A Seminar on 'Welding as a Profession for Emerging Engineers' has been arranged at Dasnagar Govt. Polytechnic, Dasnagar, Howrah. Prof. Santanu Das, Prof. T. K. Pal, Mr. Devasis Paul, Mr. Ramendra Chandra Saha, and Mr. Rituraj Bose delivered their experience to the students in shaping their career growth in Welding.
8.	13/03/2024	A Seminar on 'Challenges on welding of automotive steels' has been arranged at Dr. Sudhir Chandra Sur Institute of Technology and Sports Complex, Dumdum, Kolkata, during the Inauguration of a new Students' Chapter at their premises. Prof. Santanu Das, Mr. Rituraj Bose, Mr. Devasis Paul, Mr. Ramendra Chandra Saha and Prof. T. K. Pal delivered the lecture for the benefit of the students.
9.	29/03/2024 to 30/03/2024	Indian Institute of Metals (IIM), Kolkata Chapter, in association with IIW-India Kolkata Branch, organized a Conference on Nonferrous Metals and Material Science during 29th & 30th March 2024, at Biswa Bangla Convention Centre, Kolkata. Chairman Prof. Santanu Das was invited on the dais as the Guest of Honour. IIW-India Kolkata Branch acted as a Knowledge Partner in this International Conference. Furthermore, Prof. G. L. Datta and Prof. T. K. Pal delivered their lectures on 30th of March 2024.

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❖ MUMBAI BRANCH

Chairman : Mr. N. Kanagasabai

Hony. Secretary : Mr. Abhishek Vyas

The Annual General Meeting of the Mumbai Branch for the year 2023 was held on 27th of May 2023.

The following activities were conducted by the Branch during 2023-24:

Sl. No.	Date	Description of the Event
1.	1/04/2023	WTT (Weld Tech Talk) #26 'Temper Bead Welding-When to use and How to avoid associated Risks', delivered by Mr. Omar Al-Lafi, Sr. Inspection Engineer, SABIC Saudi Arabia. 179 persons attended from various countries.
2.	13/05/2023	WTT #27 'Practical Challenges in the Welding of Aluminum', delivered by Dr. V. Ananthanarayanan, President and CTO, Innovative Weld Solutions LLC and Distinguished Alumnus, Welding Engineering Program, The Ohio State University. 139 persons attended from various countries.
3.	16/06/2023 to 17/06/2023	Paid online Technical Certificate Course #10 'Localised corrosion of stainless steel weldments – II', delivered by Mr. B. K. Shah, Ex-Head, Quality Assurance Division, BARC, Mr. A. K. Sharma, Consultant, and Mr. Tushar Parmar, Manager-Welding Engineer and Metallurgy, Larsen & Toubro Ltd. Total attendees - 100 Nos.
4.	29/07/2023	WTT#28 'How can I know if my stainless steel weld is sufficiently corrosion resistant?' delivered by Mr. Gary Coates, P. Eng., Technical Manager, Nickel Institute, Toronto, Canada. 160 persons attended from various countries.
5.	5/08/2023	First Students' Chapter Inauguration of the Branch at Fr. C. Rodrigues Institute of Technology, Vashi, Navi Mumbai. Chapter inaugurated by Chief Guest Mr. R. Srinivasan. Two Technical Talks have been arranged as follows: Tech Talk 1: Latest trends in welding research by Dr. Archana Sharma, Director-BTDG, BARC, Mumbai. Tech Talk 2: Latest trends in welding automation by Mr. Girish Jadhav, RSM, Fronius India Pvt. Ltd., Mumbai. 30 students from the college and other faculty members of Mechanical Engineering department attended the event along with Mumbai Branch MC members.
6.	25/08/2023	Monthly Technical Lecture organized at Mumbai Branch Office titled Chandryaan III - An overview role of welding in Chandryaan Mission by Mr. Yuvraj Jagtap, Scientist / Engineer, Liquid Propulsion System Centre, Indian Space Research Organisation. The lecture was attended by 25 participants physically.
7.	8/09/2023 to 9/09/2023	Paid online Technical Certificate Course #11 on 'Welding Metallurgy for Fabrication', delivered by Mr. B. K. Shah, B.Sc. Engg. (Metallurgy), RIT Jamshedpur, M.Tech (Corrosion Sc. & Engg.) IIT Mumbai & Retired as Head, Quality Assurance Division from BARC, Mr. A. K. Sharma, Consultant, Mr. Abhishek Vyas, Deputy Manager, Application Technology, voestalpine Bohler Welding India Pvt. Ltd., Mr. Hitesh Ashwin Narsia, Godrej Aerospace. Total attendees—105 Nos., with FCRIT College student members – 17.
8.	25/09/2023	Second Students Chapter Inauguration of the Branch at MET Institute of Engineering, Nashik. Chapter inaugurated by Chief Guest Mr. Shreekant Patil, Nashik. Two technical talks were delivered as given below: Tech Talk 1: Latest trends in resistance spot welding and automation by Mr. Jitendra Choudhari, GM (Projects), Tunkers Automation India Pvt. Ltd. Tech Talk 2: Arc welding processes: Types and application in fabrication and additive manufacturing by Mr. Brajendra Patel, Manager, Koso India Pvt. Ltd. Around 100 students from the mechanical engineering branch of the college and other faculty members of Mechanical Engineering department attended the event along with Mumbai Branch MC members.
9.	4/11/2023 to 5/11/2023	Branch level Best Welder Competition was organised on 4th and 5th of November 2023 at the facility of voestalpine Bohler Welding India Pvt. Ltd., Thane. 30 welders participated in the competition, including women welders.

❖ **PUNE BRANCH**

Chairman : Mr. Prashant Deshmukh

Hony. Secretary : Mr. Dinesh Joshi

The Annual General Meeting of the Pune Branch for the year 2023 was held on 18th of June 2023.

The following activities were conducted by the Branch during 2023-24:

Sl. No.	Date	Description of the Event
1.	7/04/2023 to 8/04/2023	IIW-India Pune Branch conducted an onsite awareness program for Bajaj Auto Ltd. on 'Basics of Welding, Inspection and Testing along with Press Tool and Pipe Bending' for 8 candidates.
2.	May 2023	Pune Branch conducted Welding Quality Documentation (WPS / WPQ / WPQR) to M/s. Gleanore India Pvt. Ltd., Pune.
3.	June 2023	A Welding Inspection Consultancy Services conducted by Pune Branch to M/s. Alcomex Springs Pvt. Ltd.
4.	5/11/2023	Branch level Best Welder Competition was organised on 5th November 2023. 19 welders participated in the competition.

❖ **TRICHY BRANCH**

Chairman : Mr. R. Selvaraj

Hony. Secretary : Mr. K. Suresh Kumar

The Annual General Meeting of the Trichy Branch for the year 2023 was held on 1st of July 2023.

The following activities were conducted by the Branch during 2023-24:

Sl. No.	Date	Description of the Event
1.	04/04/2023	Lecture on National Maritime Day on the topic 'Corrosion of Copper based alloys in marine environment' by Dr. Rakesh C Barik, PhD., Principal Scientist, Corrosion and Materials Protection Division, CSIR – Central Electrochemical Research Institute, Karaikudi, Tamil Nadu.
2.	18/04/2023	Lecture on 'Performance of Industry Sector' by Er. G. Vinoth, Deputy Manager, Operation Planning and Control, Bharat Heavy Electricals Limited, Tiruchirappalli.
3.	9/5/2023	Lecture on 'Stay Safe Online: Understanding Cyber Laws & Best Practices' by Shri. Na. Vijayashankar (Naavi), Promoter-Naavi.org and Chairman, Foundation of Data Protection Professionals in India, Bangalore.
4.	20/06/2023	Introduction to 'FLOW-3D WELD CFD software' by Mr. Sanjay J, Engineer-Technical Support, M/s Kaushiks International, Indira Nagar, Bangalore.
5.	27/06/2023	Lecture on 'Design Thinking for Innovations' by Dr. V. Muralibhaskaran, Dean Academics and Professor in CSE, M/s. Rajalakshmi Engineering College (Autonomous), Rajalakshmi Nagar, Thandalam, Chennai.
6.	17/10/2023	Lecture during World Standards Day on 'Shared vision for a better world: incorporating sdg 3' by Dr. Raghupatruni Bhima Rao, Former Chief Scientist, Mineral Processing Department, CSIR-IMMT, Bhubaneswar.
7.	25/10/2023	Lecture on 'Are we learning from industrial accidents - case study' by Er. L. Sakthivel, ME., FIE, Management Committee Member, IEI, Madurai Local Centre, Former Principal Safety Engineer, EHSS Department / Tech division, Saudi Methanol Company, Sabic, Saudi Arabia.
8.	07/11/2023	Lecture on 'Electrical safety and earthing' by Er. Sanjeev Kumar, ME, MBA, FIE, Additional General Manager, MTNL, New Delhi.

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Sl. No.	Date	Description of the Event
9.	26/12/2023	Lecture on '7 habits of highly effective people' by Er. D. Dinakaran, Assistant Engineer, Communications & Public Relations, Bharat Heavy Electricals Limited, Tiruchirappalli.
10.	09/01/2024	Lecture on 'Logical reasoning in Artificial Intelligence' by Dr. S. Senthilkumar, M.E., Ph.D., Assistant Professor, Department of Computer Science and Engineering, University College of Engineering, BIT Campus, Tiruchirappalli.
11.	30/01/2024	Lecture on 'Job Safety & its Hazards Analysis-JSHA and its Training Awareness' by Prof. Dr. I. Manavalan, Former Deputy General Manager, BHEL-Tiruchirappalli & Consultant Advisor, Health, Safety & Environment-HSE, Tiruchirappalli.

❖ VIZAG BRANCH

Chairman : **Mr. B. K. Mohanty**

Hony. Secretary : **Mr. A. Ravi Shankar**

The Annual General Meeting of the Vizag Branch for the year 2023 was held on 1st of July 2023.

No other activities reported by the Branch for the year 2023-24.

OTHER MAJOR ACTIVITIES OF THE INSTITUTE

❖ MEMORANDUM OF UNDERSTANDING (MOU) AND AGREEMENTS

During 2023-24, IIW-India has engaged with other organisations to outreach numerous activities for the development of welding science and technology, which are as follows:

- **With CMES:** An Agreement has been signed between The Indian Institute of Welding and Chinese Mechanical Engineering Society (CMES) on 19th of April 2023, which is valid for one year. The Agreement states that CMES will arrange the Chinese exhibitors for participating in WeldExpo 2024 on commission basis. However, Chinese exhibitors couldn't participate in WeldExpo due to visa issues.
- **With PDEU:** A Memorandum of Understanding (MoU) has been signed between The Indian Institute of Welding and Pandit Deendayal Energy University (PDEU) on 17th of August 2023 for a period of 10 years with a locking period of 5 years. The intent of this MoU to establish IIW-India – PDEU Welding Research & Development Centre (IPWRDC), inside PDEU, which will support students, research scholars and industries for their research works.
- **With Trainex:** A Memorandum of Understanding signed has been between The Indian Institute of Welding and Trainex Skills Hub L.L.C., Dubai, on 29th of January 2024, which is valid for 3 years. Through this MoU, IIW-India will support Trainex for their welding training programmes through assessment and certification and to train their trainers.

FUTURE EVENTS

❖ NATIONAL WELDING MEET (NWM 2024)

The National Welding Meet 2024 (NWM 2024) will be conducted by IIW-India Kolkata Branch, during 26th & 27th of September 2024, at Hotel The Stadel, Salt Lake Stadium, Kolkata, on the theme 'Advanced Welding Technologies for Sustainable Manufacturing – Leveraging Industry 5.0'. The event will be organised just before the AGM, which is scheduled to be held on 28th September 2024 at the same venue.

NATIONAL WELDING SEMINAR (NWS 2024)

The National Welding Seminar 2024 (NWS 2024) will be conducted by IIW-India Jamshedpur Branch, between 12th to 14th of December 2024, at SNTI, Bistupur, Jamshedpur, on the theme 'Advances in Welding, Cladding & Additive Manufacturing'.

All the members are requested to support and make the events successful.

CONCLUSION

I must remind all of you about the inclusion of a new trend **Green Welding** to save our environment. IIW-India is now focusing on saving our atmosphere, which is under severe risk through the global warming including welding activities. To overcome this situation, we need Green Welding, i.e., the process with less hazardous fumes and gases, to control over the carbon footprint.

I must thank all the Council Members, Branch Managing Committees, Members of various Committees and Divisions, Secretariat Staff, Members and well-wishers of the Institute for their active support and cooperation, which has helped me to discharge my duties effectively and sincerely.

I would now cordially invite you all to attend the 58th Annual General Meeting and encourage us by supporting or participating the activities of the Institute for a noble cause.

Let us work together to see our Institute in a greater height!

Sd/- Rituraj Bose

Hony. Secretary General



T. K. Ghose & Co.
Chartered Accountants

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INDEPENDENT AUDITOR'S REPORT

TO
THE MEMBERS OF INDIAN INSTITUTE OF WELDING

Report on the Audit of the Standalone Financial Statements

Opinion

We have audited the accompanying standalone financial statements of **INDIAN INSTITUTE OF WELDING**, which comprise the Balance Sheet as at 31st March 2024, the Statement of Income & Expenditure for the year ended on that date, and a summary of the significant accounting policies and other explanatory information.

In our opinion and to the best of our information and according to the explanations given to us, the aforesaid standalone financial statements give the information required by the Act the manner so required and give a true and fair view in conformity with the accounting principles generally accepted in India, of the state of affairs of the Company as at March 31st 2024, and its excess of income over expenditure for the year ended on that date.

Basis for Opinion

We conducted our audit of the standalone financial statements in accordance with the Standards on Auditing specified under section 143(10) of the Companies Act, 2013. Our responsibilities under those Standards are further described in the Auditor's Responsibilities for the Audit of the standalone Financial Statements section of our report. We are independent of the Company in accordance with the Code of Ethics issued by the Institute of Chartered Accountant of India (ICAI) together with the independence requirements that are relevant to our audit of the standalone financial statements under the provisions of the Companies Act, 2013 and the Rules made there under, and we have fulfilled our other ethical responsibilities in accordance with these requirements and the Code of Ethics. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion.

Management's Responsibility for the Standalone Financial Statements

The Company's Board of Directors is responsible for the matters stated in section 134(5) of the Act with respect to the preparation of these Standalone financial statements that give a true and fair view of the financial position, financial performance, and cash flows of the Company in accordance with the AS and other accounting principles generally accepted in India. This responsibility also includes maintenance of adequate accounting records in accordance with the provisions of the Act for safeguarding the assets of the Company and for preventing and detecting frauds and other irregularities; selection and application of appropriate accounting policies; making judgments and estimates that are reasonable and prudent; and design, implementation and maintenance of adequate internal financial controls, that were operating effectively for ensuring the accuracy and completeness of the accounting records, relevant to the preparation and presentation of the financial statements that give a true and fair view and are free from material misstatement, whether due to fraud or error.

In preparing the financial statements, management is responsible for assessing the Company's ability to continue as a going concern, disclosing, as applicable, matters related to going concern and using the going concern basis of accounting unless management either intends to liquidate the Company or to cease operations, or has no realistic alternative but to do so.

The Board of Directors is responsible for overseeing the Company's financial reporting process.

Auditor's Responsibilities for the Audit of the Standalone Financial Statements

Our objectives are to obtain reasonable assurance about whether the standalone financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditor's report that includes our opinion. Reasonable assurance is a high level of assurance, but is not a guarantee that an audit conducted in accordance with SAs will always detect a material misstatement when it exists. Misstatements can arise from fraud or error and are considered material if, individually or in the aggregate, they could reasonably be expected to influence the economic decisions of users taken on the basis of these financial statements.

As part of an audit in accordance with SAs, we exercise professional judgment and maintain professional scepticism throughout the audit. We also:

- Identify and assess the risks of material misstatement of the financial statements, whether due to fraud or error, design and perform audit procedures responsive to those risks, and obtain audit evidence that is sufficient and appropriate to provide a basis for our opinion. The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control.
- Obtain an understanding of internal financial controls relevant to the audit in order to design audit procedures that are appropriate in the circumstances. Under section 143(3)(i) of the Act, we are also responsible for expressing our opinion on whether the Company has adequate internal financial controls system in place and the operating effectiveness of such controls.
- Evaluate the appropriateness of accounting policies used and the reasonableness of accounting estimates and related disclosures made by management.
- Conclude on the appropriateness of management's use of the going concern basis of accounting and, based on the audit evidence obtained, whether a material uncertainty exists related to events or conditions that may cast significant doubt on the Company's ability to continue as a going concern. If we conclude that a material uncertainty exists, we are required to draw attention in our auditor's report to the related disclosures in the standalone financial statements or, if such disclosures are inadequate, to modify our opinion. Our conclusions are based on the audit evidence obtained up to the date of our auditor's report. However, future events or conditions may cause the Company to cease to continue as a going concern.
- Evaluate the overall presentation, structure and content of the standalone financial statements, including the disclosures, and whether the financial statements represent the underlying transactions and events in a manner that achieves fair presentation.

We communicate with those charged with governance regarding, among other matters, the planned scope and timing of the audit and significant audit findings, including any significant deficiencies in internal control that we identify during our audit.

We also provide those charged with governance with a statement that we have complied with relevant ethical requirements regarding independence, and to communicate with them all relationships and other matters that may reasonably be thought to bear on our independence, and where applicable, related safeguards.

Report on Other Legal and Regulatory Requirements

1. As required by the Companies (Auditor's Report) Order, 2020 ("the Order") issued by the Central Government in terms of Section 143(11) of the Act, are not applicable to the company.
2. As required by Section 143(3) of the Act, based on our audit we report that:
we have sought and obtained all the information and explanations which to the best of our knowledge and belief were necessary for the purposes of our audit.

- a) in our opinion, proper books of account as required by law have been kept by the Company so far as it appears from our examination of those books.
 - b) the Balance Sheet, the Statement of Income and Expenditure dealt with by this Report are in agreement with the books of account.
 - c) in our opinion, the aforesaid standalone financial statements comply with the Accounting Standards prescribed under section 133 of the Act read with rule 7 of the Companies (Accounts) Rules, 2014.
 - d) on the basis of the written representations received from the Directors of the Company as on March 31st 2024 taken on record by the Board of Directors, none of the Directors is disqualified as on March 31st 2024 from being appointed as a Director in terms of Section 164(2) of the Act.
 - e) with respect to the adequacy of the internal financial controls over financial reporting of the Company and the operating effectiveness of such controls, refer to our separate Report in "Annexure A". Our report expresses an unmodified opinion on the adequacy and operating effectiveness of the Company's internal financial controls over financial reporting.
 - f) with respect to the other matters to be included in the Auditor's Report in accordance with Rule 11 of the Companies (Audit and Auditors) Rules, 2014, as amended, in our opinion and to the best of our information and according to the explanations given to us:
 - i. The Company does not have any pending litigations which would impact its financial position in its standalone financial statements.
 - ii. The Company did not have any long-term contracts including derivatives contracts for which there were any material foreseeable losses.
 - iii. The company has not declared any dividend, so it need not transfer any amount to the Investor Education and Protection Fund.
3. Based on our examination, which included test checks, the Company has used accounting softwares for maintaining its books of account for the financial year ended March 31, 2024 which has a feature of recording audit trail (edit log) facility and the same has operated throughout the year for all relevant transactions recorded in the softwares. Further, during the course of our audit we did not come across any instance of the audit trail feature being tampered with.

As proviso to Rule 3(1) of the Companies (Accounts) Rules, 2014 is applicable from April 1, 2023, reporting under Rule 11(g) of the Companies (Audit and Auditors) Rules, 2014 on preservation of audit trail as per the statutory requirements for record retention is not applicable for the financial year ended March 31, 2024.

For T. K. GHOSE & CO.
Chartered Accountants
FRN: 0302002E

Sd/- CA. Gaurab Basu
Partner

Place: Kolkata
Date: 8th August, 2024

Membership No.: 060518
UDIN: 24060518BKFDWW8021



T. K. Ghose & Co.
Chartered Accountants

GA-1 Rajdanga Main Road,
2nd Floor, Narkelbagan,
Kasba, (Opp GST Bhawan),
Kolkata, India, Pin: 700107
Phone: +91 33 4066 8145
+91 33 2213 0200
+91 89 6114 8184
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Web: www.tkg.co.in

ANNEXURE-A

We have audited the internal financial controls over financial reporting of **INDIAN INSTITUTE OF WELDING** as of March 31st, 2024 in conjunction with our audit of the standalone financial statements of the Company for the year ended on that date.

Management's Responsibility for Internal Financial Controls

The Board of Directors of the Company is responsible for establishing and maintaining internal financial controls based on the internal control over financial reporting criteria established by the Company considering the essential components of internal control stated in the Guidance Note on Audit of Internal Financial Control over Financial Reporting issued by the Institute of Chartered Accountant of India. These responsibilities include the design, implementation and maintenance of adequate internal financial controls that were operating effectively for ensuring the orderly and efficient conduct of its business, including adherence to the Company's policies, the safeguarding of its assets, the prevention and detection of frauds and errors, the accuracy and completeness of the accounting records, and the timely preparation of reliable financial information, as required under the Companies Act, 2013.

Auditor's Responsibility

Our responsibility is to express an opinion on the Company's internal financial controls over financial reporting based on our audit. We conducted our audit in accordance with the "Guidance Note" and the Standards on auditing, issued by ICAI and deemed to be prescribed under section 143(10) of the Companies Act, 2013, to the extent applicable. Those Standards and the Guidance Note require that we comply with ethical requirements and plan and perform the audit to obtain reasonable assurance about whether adequate internal financial controls over financial reporting was established and maintained and if such controls operated effectively in all material respects.

Our audit involves performing procedure to obtain audit evidence about the adequacy of the internal financial controls system over financial reporting and their operating effectiveness. Our audit of internal financial controls over financial reporting includes obtaining an understanding of internal financial controls over financial reporting, assessing the risk that a material weakness exists and testing and evaluating the design and operating effectiveness of internal control based on the assessed risk. The procedures selected depend on the auditor's judgments, including the assessment of the risks of material misstatement of the financial statements, whether due to fraud or error.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our qualified audit opinion on the Company's internal financial controls system over financial reporting.

Meaning of Internal Financial Controls over Financial Reporting

A company's internal financial control over financial reporting is a process designed to provide reasonable assurance regarding the reliability of financial reporting and preparation of financial statements for external purposes in accordance with generally accepted accounting principles. A company's internal financial control over financial reporting includes those policies and procedure that (1) pertain to the maintenance of records that, in reasonable detail, accurately and fairly reflect the transactions and dispositions of the assets of the Company; (2) provide reasonable assurance that the transactions are recorded as necessary to permit preparation of financial statement in accordance with GAAP and that receipts and expenditure of the Company are being made only in accordance with authorizations of the Executive Committee of the Company; and (3) provide reasonable assurance regarding prevention or timely detection of unauthorized acquisition, use or disposition of the Company's assets that could have a material effect on the standalone financial statements.

Inherent Limitations of Internal Financial Controls over Financial Reporting

Because of the inherent limitations of internal financial controls over financial reporting, including the possibility of collusion or improper management override of controls, material misstatement due to error or fraud may occur and not be detected. Also, projections of any evaluation of the internal financial controls over financial reporting to future periods are subject to the risk that the internal financial controls over financial reporting may become inadequate because of changes in conditions, or that the degree of compliance with the policies or procedures may deteriorate.

Opinion

According to the information and explanations given to us and based on our audit, the Company has generally maintained in all material respect, an adequate internal financial controls system over financial reporting and such internal financial controls over financial reporting were operating effectively as at 31st March, 2023, based on the internal control over financial reporting criteria established by the Company considering the essential components of internal control stated in the Guidance Note on Audit of Internal Financial Control Over Financial Reporting, issued by The Institute of Chartered Accountants of India.

For T. K. GHOSE & CO.
Chartered Accountants
FRN: 0302002E

Place: Kolkata
Date: 8th August, 2024

Sd/- CA. Gaurab Basu
Partner

Membership No.: 060518
UDIN: 24060518BKFDWW8021

THE INDIAN INSTITUTE OF WELDING

THE INDIAN INSTITUTE OF WELDING

IIW INDIA HOUSE, PLOT NO. 38, 200, KALIKAPUR MAIN ROAD, GITANJALI PARK, KOLKATA - 700099, INDIA

CIN:U27310WB1966GAP026807

BALANCE SHEET

BALANCE SHEET AS AT 31ST MARCH, 2024

Particulars	Note No	Figures as at the year ended 31st March '2024	Figures as at the year ended 31st March '2023
I. EQUITY AND LIABILITIES			
(1) Shareholder's Funds			
(a) Capital Fund	1.1	20,513.81	20,513.81
(b) Reserves and Surplus	1.2	9,22,06,116.65	8,83,79,037.55
(c) Money received against share warrants			
(2) Share application money pending allotment			
(3) Non-Current Liabilities			
(a) Long-term borrowings			
(b) Deferred tax liabilities (Net)			
(c) Other Long term liabilities	1.3	11,71,110.62	10,30,494.85
(d) Long term provisions			
(4) Current Liabilities			
(a) Short-term borrowings			
(b) Trade payables	1.4	38,04,106.46	30,84,376.19
(c) Other current liabilities	1.5	19,74,415.19	21,43,714.94
(d) Short-term provisions	1.6	7,04,891.68	8,65,908.01
Total		9,98,81,154.41	9,55,24,045.35
II. Assets			
(1) Non-current assets			
<i>(a) Fixed assets</i>			
(i) Tangible assets	2.1	1,90,85,286.42	1,95,10,482.23
(ii) Intangible assets			
(iii) Capital work-in-progress			
(iv) Intangible assets under development			
(b) Non-current investments			
(c) Deferred tax assets (net)			
(d) Long term loans and advances	2.2	23,16,,124.76	15,62,842.89
(e) Other non-current assets	2.3	3,66,82,281.44	3,66,53,507.06
(2) Current assets			
(a) Current investments			
(b) Inventories			
(c) Trade receivables	2.4	73,33,505.57	47,56,188.60
(d) Cash and cash equivalents	2.5	3,26,86,849.77	3,15,40,623.87
(e) Short-term loans and advances	2.6	9,15,260.52	6,56,525.97
(f) Other current assets	2.7	8,61,845.93	8,43,874.73
Total		9,98,81,154.41	9,55,24,045.35
SIGNIFICANT ACCOUNTING POLICIES & NOTES ON ACCOUNTS	5		

For THE INDIAN INSTITUTE OF WELDING

Signed in terms of our separate report of even date

For T. K. GHOSE & CO.
Chartered Accountants

Sd/- Rituraj Bose
Hony. Secretary General

Sd/- Ratan Poddar
Hony. Treasurer

Sd/- Gaurab Basu
Partner

Mem No: 060518

Date : 8th August 2024
Place : Kolkata

THE INDIAN INSTITUTE OF WELDING

THE INDIAN INSTITUTE OF WELDING

IIW INDIA HOUSE, PLOT NO. 38, 200, KALIKAPUR MAIN ROAD, GITANJALI PARK, KOLKATA - 700099, INDIA
CIN:U27310WB1966GAP026807

INCOME & EXPENDITURE ACCOUNT

Income and Expenditure Account for the year ended 31st March, 2024

Particulars	Note No	Figures as at the year ended 31st March '2024	Figures as at the year ended 31st March '2023
I. Revenue from operations	3.1	3,21,36,604.68	3,56,64,159.37
II. Other Income	3.2	40,05,467.88	29,61,210.97
III. Total Revenue (I +II)		3,61,42,072.56	3,86,25,370.34
<i>IV. Expenses:</i>			
Cost of materials consumed			
Purchase of Stock-in-Trade			
Changes in inventories of finished goods, work-in-progress and Stock-in-Trade			
Employee benefit expense	4.1	8,82,936.00	7,84,759.00
Financial costs			
Depreciation and amortization expense	2.1	12,57,032.79	12,37,062.68
Other expenses	4.2	3,01,15,024.57	3,50,14,412.38
Total Expenses		3,22,54,993.36	3,70,36,234.06
V. Profit before exceptional and extraordinary items and tax	(III - IV)	38,87,079.20	15,89,136.28
VI. Exceptional Items			
VII. Prior Period Adjustment		-	-
VIII. Profit before extraordinary items and tax (V+VI-VII)		38,87,079.20	15,89,136.28
IX. Extraordinary Items		-	-
X. Profit before tax (VIII - IX)		38,87,079.20	15,89,136.28
XI. Tax expense: (1) Current tax (2) Deferred tax			
XII. Profit(Loss) from the period from continuing operations	(VIII-IX)	38,87,079.20	15,89,136.28
XIII. Profit/(Loss) from discontinuing operations			
XIV. Tax expense of discounting operations			
XV. Profit/(Loss) from Discontinuing operations (XIII - XIV)			
XVI. Profit/(Loss) for the period (XII + XV)		38,87,079.20	15,89,136.28
XVII. Earning per equity share: (1) Basic (2) Diluted			
SIGNIFICANT ACCOUNTING POLICIES & NOTES ON ACCOUNTS	5		

For THE INDIAN INSTITUTE OF WELDING

Signed in terms of our separate report of even date

Sd/- Rituraj Bose
Hony. Secretary General

Sd/- Ratan Poddar
Hony. Treasurer

For T. K. GHOSE & CO.
Chartered Accountants

Sd/- Gaurab Basu
Partner
Mem No: 060518

Date : 8th August 2024
Place : Kolkata

THE INDIAN INSTITUTE OF WELDING

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IIW INDIA HOUSE, PLOT NO. 38, 200, KALIKAPUR MAIN ROAD, GITANJALI PARK, KOLKATA - 700099, INDIA

CIN:U27310WB1966GAP026807

Notes Forming Integral Part of Financial Statement

Note:1.1 Capital Fund

Particulars	2023-2024	2022-2023
Capital Fund	20,513.81	20,513.81
Total	20,513.81	20,513.81

Note:1.2 Reserve and Surplus

Particulars	2023-2024	2022-2023
General Reserve Fund	8,83,79,037.45	8,67,88,955.44
Add/(Less) : Excess of income Over Expenditure During The Year	38,87,079.20	15,89,136.28
Add/(Less): Inter Branch Reserve Adjustment	(60,000.00)	-
Add/(Less) : (Irrecoverable Balance)/Provision for Expenses Written off		945.83
Total	9,22,06,116.65	8,83,79,037.55

Note:1.3 Other Long Term Liabilities

Particulars	2023-2024	2022-2023
Welding Award in Advance	2,10,000.00	1,50,000.00
Payable / Adjustable to Members / Others	2,71,310.62	1,90,694.85
Reimbuesement to MES Vtps	6,89,800.00	6,89,800.00
Total	11,71,110.62	10,30,494.85

Note:1.4 Trade Payable

Particulars	2023-2024	2022-2023
Sundry Creditors	38,04,106.46	30,84,376.19
Total	38,04,106.46	30,84,376.19

Note:1.5 Other Current Liabilities

Particulars	2023-2024	2022-2023
Statutory Dues Payable	2,75,692.48	6,52,190.24
Advance Received from Members	81,339.05	69,719.64
Advance Received from Others	16,17,383.66	14,21,805.06
Total	19,74,415.19	21,43,714.94

For THE INDIAN INSTITUTE OF WELDING

Signed in terms of our separate report of even date

For T. K. GHOSE & CO.
Chartered Accountants

Sd/- Rituraj Bose
Hony. Secretary General

Sd/- Ratan Poddar
Hony. Treasurer

Sd/- Gaurab Basu
Partner
Mem No: 060518

Date : 8th August 2024
Place : Kolkata

THE INDIAN INSTITUTE OF WELDING

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IIW INDIA HOUSE, PLOT NO. 38, 200, KALIKAPUR MAIN ROAD, GITANJALI PARK, KOLKATA - 700099, INDIA

CIN:U27310WB1966GAP026807

Notes Forming Integral Part of Financial Statement

Note:1.6 Short Term Provision

Particulars	2023-2024	2022-2023
Provision for Expenses	7,04,891.68	8,65,908.01
Total	7,04,891.68	8,65,908.01

Note: 2.2 Long Term Loans and Advances

Particulars	2023-2024	2022-2023
TDS Receivable		
TDS Receivable as Per Last Account	13,98,753.18	5,56,234.68
Add: TDS Receivable During (F.Y. 2023-24)	10,48,540.87	14,64,926.50
Add / (Less) : Others During This Year	(2,70,259.00)	(6,22,408.00)
	21,77,035.05	13,98,753.18
Security Deposit	1,39,089.71	1,64,089.71
Total	23,16,124.76	15,62,842.89

Note: 2.3 Other Non Current Assets

Particulars	2023-2024	2022-2023
Others		
on Deposit a/c With Schedule Bank (Fd Matured More than one Year)	3,64,72,281.44	3,64,43,507.06
Contribution to Ho Award Fund	2,00,000.00	2,00,000.00
Contribution to Ho Building Fund	10,000.00	10,000.00
Total	3,66,82,281.44	3,66,53,507.06

Note: 2.4 Trade Receivables

Particulars	2023-2024	2022-2023
Unsecured Considered Good		
Debts Outstanding for a Period Exceeding of 6 Month	30,51,395.94	28,24,888.54
Other Debts	42,82,109.63	19,31,300.06
Total	73,33,505.57	47,56,188.60

Note: 2.5 Cash and Cash Equivalents

Particulars	2023-2024	2022-2023
Cash in Hand	1,36,139.00	47,380.00
Cash at Banks on Current & Savings A/c	78,17,982.77	76,98,440.87
on Deposit A/c With Schedule Bank (FD Maturity Within one Year)	2,47,32,728.00	2,37,94,803.00
Total	3,26,86,849.77	3,15,40,623.87

For THE INDIAN INSTITUTE OF WELDING

Signed in terms of our separate report of even date

For T. K. GHOSE & CO.
Chartered Accountants

Sd/- Rituraj Bose
Hony. Secretary General

Sd/- Ratan Poddar
Hony. Treasurer

Sd/- Gaurab Basu
Partner
Mem No: 060518

Date : 8th August 2024
Place : Kolkata

THE INDIAN INSTITUTE OF WELDING

THE INDIAN INSTITUTE OF WELDING

IIW INDIA HOUSE, PLOT NO. 38, 200, KALIKAPUR MAIN ROAD, GITANJALI PARK, KOLKATA - 700099, INDIA

CIN:U27310WB1966GAP026807

Notes Forming Integral Part of Financial Statement

Note: 2.6 Short Term Loan & Advances

Particulars	2023-2024	2022-2023
Advance Paid to Staff/Member	1,70,500.00	75,742.76
Advance Paid to Others	7,44,760.52	5,80,783.21
Total	9,15,260.52	6,56,525.97

Note: 2.7 Other Current Assets

Particulars	2023-2024	2022-2023
Statutory Payment Paid in Excess / Excess of GST ITC	8,51,845.93	8,13,874.73
Award Money Receivable from award Sponsors	10,000.00	30,000.00
Total	8,61,845.93	8,43,874.73

Note: 3:1 Revenue from Operation

Particulars	2023-2024	2022-2023
Advertisement Charges Received	20,45,440.26	31,13,739.71
Award Received	-	10,000.00
Donation Received	1,00,000.00	1,48,500.00
E-Directories, Journal (IWJ), Other forms Sale Received	5,00,080.24	1,85,257.97
Examination & Certification Fees Received	83,74,455.89	93,24,830.45
Grant Received	-	2,00,000.00
Membership Subscription Received	19,08,850.00	14,34,844.24
Seminar & Exhibition & Workshop Fees Received	70,29,289.47	83,96,445.48
Sponsorship Fees Received	87,20,988.82	96,21,991.52
Technical inspection & Certification Fees Received	34,57,500.00	32,28,550.00
Total	3,21,36,604.68	3,56,64,159.37

Note: 3:2 Other Income

Particulars	2023-2024	2022-2023
Fixed Deposit interest Received	37,43,303.63	27,51,666.02
Interest Received from income Tax	17,563.00	46,682.00
Miscellaneous Received	128.75	38.18
Profit on Sale of Fixed asset	9,537.50	372.95
Provision for Expenses Written Back	-	3,389.82
Savings Bank interest Received	2,34,935.00	1,59,062.00
Total	40,05,467.88	29,61,210.97

For THE INDIAN INSTITUTE OF WELDING

Signed in terms of our separate report of even date

For T. K. GHOSE & CO.
Chartered Accountants

Sd/- Rituraj Bose
Hony. Secretary General

Sd/- Ratan Poddar
Hony. Treasurer

Sd/- Gaurab Basu
Partner

Mem No: 060518

Date : 8th August 2024
Place : Kolkata

THE INDIAN INSTITUTE OF WELDING

THE INDIAN INSTITUTE OF WELDING

IIW INDIA HOUSE, PLOT NO. 38, 200, KALIKAPUR MAIN ROAD, GITANJALI PARK, KOLKATA - 700099, INDIA

CIN:U27310WB1966GAP026807

Notes Forming Integral Part of Financial Statement

Note: 4:1 Employee Benefit Expenses

Particulars	2023-2024	2023-2024
Salary & Establishment	8,82,936.00	7,84,759.00
Total	8,82,936.00	7,84,759.00

Note: 4:2 Other Expenses

Particulars	2023-2024	2023-2024
Accounting Charges	1,58,000.00	2,03,800.00
Advertisement Charges	16,000.00	4,65,000.00
Auditor Fees - Statutory	78,360.00	75,900.00
Award, Gift & Prize Expenses	5,38,690.59	23,11,770.12
Bank Charges & Commission Expenses	61,637.92	39,984.42
Cleaning & Wasing Charges	1,19,980.32	1,26,513.07
Electricity Charges	1,81,824.31	1,70,731.08
Event & Co-Ordination Charges	53,93,170.16	47,84,084.18
Event Rent & Rates Charges	15,05,978.00	24,25,842.00
Financial Professional Fees Charges	1,57,500.00	1,21,260.00
Food & Refreshment Charges	31,53,151.62	45,42,272.91
Freight & Carriage Charges	39,543.00	74,051.00
Honorarium & Technical Prof Fees Charges for Staff, Member, Others	96,65,090.35	99,93,305.22
Insurance Premium Charges	13,024.00	13,025.00
Interest on Loan Payment	4,349.63	3,245.00
Irrecoverable Balance Written off Expenses	5,18,872.48	4,81,318.22
Legal Expenses	18,700.00	500.00
Local Conveyance Expenses	5,02,327.76	6,89,340.36
Membership Subscription Payment	20,83,133.67	24,88,329.55
Miscellaneous Expenses	5,186.46	8,689.72
Office Rent & Rates Charges	2,73,907.00	2,42,370.60
Postage & Courier Charges	1,40,003.03	1,30,719.15
Printing & Stationery Charges	13,84,843.41	20,49,475.86
Repair & Maintannce Charges	4,33,304.32	3,96,727.23
Security & Care Taker Charges	1,11,650.00	1,10,000.00
Staff Welfare Expenses	-	10,000.00
Statutory Fees Payment Charges	44,983.27	19,548.98
Telephone Charges	78,004.76	69,220.52
Travelling & Hospitality Expenses	30,10,611.50	25,99,702.41
Website & Internet Charges	4,23,197.01	3,67,685.78
Total	3,01,15,024.57	3,50,14,412.38

For THE INDIAN INSTITUTE OF WELDING

Signed in terms of our separate report of even date

For T. K. GHOSE & CO.
Chartered Accountants

Sd/- Rituraj Bose
Hony. Secretary General

Sd/- Ratan Poddar
Hony. Treasurer

Sd/- Gaurab Basu
Partner

Mem No: 060518

Date : 8th August 2024
Place : Kolkata

THE INDIAN INSTITUTE OF WELDING

IIW INDIA HOUSE, PLOT NO. 38, 200, KALIKAPUR MAIN ROAD, GITANJALI PARK, KOLKATA - 700099, INDIA
CIN:U27310WB1966GAP026807

Notes Forming Integral Part of Financial Statement

Notes : 2.1 Depreciation and Amortization Expense

Asset Class	Opening Balance on (01-04-2023)	Retained Earning as on (01-04-23)	Additions during the year (2023-24)	Deletions during the year (2023-24)	Closing balance	Useful Life	Depreciation for the year (2023-24)	Closing WDV on (31-03-2024)
Office Machinery	1,83,075.28	-	7,26,811.68	-	9,09,886.96	15.00	1,32,334.84	7,77,552.12
Books & Periodicals	2,541.75	-	-	-	2,541.75	1.00	-	2,541.75
Computer & Printers	1,60,699.41	-	12,849.00	-	1,73,548.41	3.00	82,600.39	90,948.02
Furniture & Fixtures	3,76,831.46	-	25,538.98	-	4,02,370.44	10.00	89,813.23	3,12,557.21
Land & Building	1,87,21,278.63	-	3,100.00	-	1,87,24,378.63	60.00	9,11,846.13	1,78,12,532.50
Office Equipment	66,055.70	-	64,498.92	962.51	1,29,592.11	5.00	40,438.29	89,153.82
TOTAL	1,95,10,482.23	-	8,32,798.58	962.51	2,03,42,318.30		12,57,032.79	1,90,85,285.42
PREVIOUS YEAR (2022-23)	2,04,49,978.38	(945.83)	3,02,362.55	5,740.89	2,07,47,544.78		12,37,062.68	1,95,10,482.23

For The Indian Institute of Welding

Sd/- Rituraj Bose
Hony. Secretary General

Sd/- Ratan Poddar
Hony. Treasurer

For T. K. GHOSE & CO.

Date : 8th August 2024
Place : Kolkata

Sd/- Gaurab Basu
Partner

THE INDIAN INSTITUTE OF WELDING

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Note No – 5

SIGNIFICANT ACCOUNTING POLICIES & NOTES ON ACCOUNTS

5.1 Convention:

The financial statements have been prepared in accordance with applicable accounting standards in India. Financial statements have also been prepared in accordance with relevant requirements of the Companies Act 2013.

5.2 Basis for preparation of Accounts:

The Accounts are prepared under the historical cost convention unless otherwise stated and generally on the accrual method of accounting.

5.3 Depreciation:

Depreciation amounting to INR. 1,257,032.79 have been charged as per Companies Act 2013 on Written Down Value method. There is no change in the method of depreciation from previous year.

5.4 Fixed Assets:

Fixed Asset is accounted on the basis of Acquisition Cost and other direct cost attributable for the acquisition of Fixed Asset.

5.5 Deposits with Banks:

Deposits are made only in Fixed Deposits of Nationalised Bank and are valued at cost plus accumulated interest wherever applicable.

5.6 Borrowings:

Long Term Borrowings from others is unsecured and terms and repayments have not been stipulated.

5.7 Income:

- i) Subscription advertisement, seminars and examinations (held in branch and head quarters) are considered as part of income.
- ii) Membership fees are accounted for on cash basis. Advance Membership fees are accounted in Accrual basis and charged to revenue in the respective years in future.
- iii) Income from Deposits is included in the Income & Expenditure account on accrual basis unless specifically mentioned.

5.8 Retirement benefit:

- i) Provident Fund has been regularly deducted and deposited in due time.
- ii) The Institute does not provide for gratuity in its revenue statement as it has only 1 permanent employee. Gratuity is accounted and paid in the year in which it actually incurred.

5.9 Expenses:

- i) Expenses are accounted on accrual basis unless specifically mentioned otherwise.
- ii) No provisions for Income Tax on Income from deposits has been made in the accounts as the Institute has got the recognition as “**Institute for Charitable Purpose**” under Section 12A of the Income Tax Act 1962 vide Certificate dated 17-02-1986 from Commissioner of Income Tax West Bengal-VII. Hence no provision has been made for Income Tax in the accounts for the FY **2023-24**.

5.10 Auditors Remuneration:

Statutory Audit Fees for FY **2023-24: INR. 78,360/-** (includes INR. 360/- for last year GST ITC reversal adjustment).

5.11 Directors Remuneration:

All the Directors of the Institute hold Honorary posts in the Institute and no remuneration is paid to them during the year.

5.12 The Institute is registered as a “not for profit company” under section 25 of Companies Act 1956 (presently section 8 of the Companies Act 2013). Accordingly, no activities are carried on by the Institute which are related to Profit motive purpose.

5.13 Previous year figures have been rearranged and regrouped wherever necessary.

For T. K. Ghose & Co.
Chartered Accountants
FRN: 302002E

For THE INDIAN INSTITUTE OF WELDING

Sd/- Gaurab Basu
Partner
Mem No: 060518

Sd/- Rituraj Bose
Hony. Secretary General

Sd/- Ratan Poddar
Hony. Treasurer

Place: Kolkata
Date : 8th August, 2024



THE INDIAN INSTITUTE OF WELDING

(A Member Society of the International Institute of Welding)

Registered and Head Office

IIW-India House, Plot No. 38, Geetanjali Park, 200 Kalikapur Main Road

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