

ANNUAL REPORT

2019-20



THE SUGAR TECHNOLOGISTS' ASSOCIATION OF INDIA

Plot No. 15, 301 Aggarwal Okhla Plaza, Community Centre,
Behind Hotel Crowne Plaza, Okhla Phase - I, New Delhi-110020

Tel: 011-45960930, 31, 32 • E-mail: office@staionline.org

Website: www.staionline.org

**THE SUGAR TECHNOLOGISTS'
ASSOCIATION OF INDIA**



(Founded in 1925)

Recognised by the Ministry of
Science & Technology, Government
of India as Scientific & Industrial
Research Organisation

Sanjay Awasthi
President

Amit Khatter
Secretary General

REF. NO. : STAI\AGM\29\2019

30.9.2020

NOTICE TO ALL MEMBERS OF THE ASSOCIATION

SUB. : 82nd Annual General Body Meeting of the Association to be held on Thursday the 22nd of October 2020 through video conferencing at 1600 hrs

Dear Member,

The 82nd Annual General Body Meeting of the Association will be held on Thursday the 22nd of October 2020 at 1600 hrs for the transaction of the following business through video conferencing in conformity with the regulatory provisions and circulars issued by the Ministry of Corporate affairs, Govt. of India.

The following business shall be transacted during the Meeting :

1. Confirmation of the Minutes of 81st Annual General Body Meeting held on 18th of July 2019 at Biswa Bangla Convention Centre, DG Block (Newtown), Action Area I, New Town, Kolkata, West Bengal – 700156 and Minutes of Extraordinary General Body Meeting held on 22nd of January 2020 at Shreenath Mhaskoba Sakhar Karkhana, Shreenathnagar, Patethan, Daund, Pune, Maharashtra - Annexure-I & 1A (Page No. 3-6)
2. *To consider the report of the Secretary for the year 2019-20 Annexure-II (Page No. 7-14)
3. *To consider and pass the audited accounts and the balance sheet for the year 2019-20 Annexure-III (Page No. 15-22)
4. To appoint the auditors for the year 2020-21 and fix their remuneration
5. Any other item with the permission of the Chair.

(*The annual report for the year 2019-20 will be dispatched shortly and the same will also be uploaded on STAI website – www.staionline.org for the information of the members)

You are requested to share your e-mail ID & other details as given overleaf latest by 19th October 2020 to STAI Secretariat at office@staionline.org for sending you the web link to join the Annual General Body Meeting. Please note that due to technological

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requirements and limitations, we will be unable to accommodate requests received after 19th of October 2020.

The members who wish express their views during the annual general body meeting may kindly intimate us in advance and latest by 19th of October 2020 to include them as speaker. Please note that due to technological requirements and limitations, we will be unable to accommodate requests received after 19th of October 2020.

This notice is being issued as per Rules & Bylaws item no.14.2 of the Association. You are requested to kindly attend the meeting.

Thanking you,

Yours faithfully,



AMIT KHATTER
SECRETARY GENERAL

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Sanjay Awasthi
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REF. NO. : STAI\AGM\29\2019

30.7.2019

TO ALL THE MEMBERS OF THE ASSOCIATION

SUB. : Minutes of 81st Annual General Body Meeting of the Association held on Thursday, the 18th July 2019 at Biswa Bangla Convention Centre, Kolkata, West Bengal.

In accordance with the circular no.: STAI/AGM/29/19 dt. 21.06.19 issued for holding of the 81st Annual General Body Meeting of the Association (AGBM). The meeting was held at Biswa Bangla Convention Centre, New Town, Kolkata on 18th July 2019 – 1800 hrs. Mr. Sanjay Awasthi - President – STAI presided over the meeting after having noted that the quorum of the General Body Meeting was complete and called the meeting to order.

Prior to taking up the agenda items for discussions the President informed the General Body about the passing away of the following members of the Association :

1. Mr. Tilak Dhar - Patron Member
2. Mr. Raviraj Singh - Life Member
3. Mr. M.B. Verma - Life Member
4. Mr. V.N. Vaidya - Associate Member
5. Mr. Mohan Sharma - Associate Member
6. Mr. Karan Saraogi - Companion Member

As a mark of respect the General Body observed two minutes silence and offered condolences to the families for the bereaved members.

Agenda Item No. 1 Confirmation of the Minutes of 80th Annual General Body Meeting held on 21st of August 2018 at 1800 hrs., - Brilliant Convention Centre, Indore

The President informed the General Body that the minutes of 80th Annual General Body Meeting held on 21st of August 2018 at Brilliant Convention Centre, Indore were circulated vide circular No.: STAI/AGM/29/2018/725 dt. 4.9.18. Since no comments

have been received from members, the General Body confirmed the minutes of the meeting unanimously.

Proposed by : Mr. H.C. Joshi

Seconded by : Mr. Naveen Kumar Gupta

Agenda Item No. 2 To consider the report of Secretary for the Year 2018-19

The President informed the members that the Secretary's report for the year 2018-19 has already been circulated and also briefed the members on its contents. The members expressed their satisfaction over the annual report and the house adopted the Secretary's report unanimously.

Proposed by : Mr. J.J. Bhagat

Seconded by : Dr. A.P.S. Mann

Agenda Item No. 3 To consider and pass the audited accounts and the Balance sheet for the year 2018-19

The President briefed the General Body on the audited accounts and balance sheet for the year 2018-19. Mr. Awasthi also informed the General Body that this year STAI has achieved its highest ever income over expenditure. The General Body complimented the President, members of the Council and STAI Secretariat over excellent financial performance and approved the audited accounts and the balance sheet for the year 2018-19.

Proposed by : Mr. H.P.S. Bhatia

Seconded by : Mr. Pankaj Rastogi

Agenda Item No. 4 To appoint the auditors for the year 2019-2020 and fix their remuneration

The House agreed to re-appoint the existing auditors M/s. A.K. Gutgutia and Co., Chartered Accountant, F-29, South Extension, Part-I, New Delhi for another one year i.e. 2019-20 at the existing remuneration of Rs.55000.

Proposed by : Mr. Narpat Singh

Seconded by : Mr. S.C. Johari

Agenda Item No. 8 Any other item with the permission of the Chair

The meeting ended with vote of thanks to the Chair.

Thanking you,

Yours faithfully,



AMIT KHATTER

SECRETARY GENERAL

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Sanjay Awasthi
President

Amit Khatter
Secretary General

REF. NO. : STAI/AGM-EGOM/29/2020

27.01.2020

TO ALL THE MEMBERS

SUB. : Minutes of Extraordinary General Body Meeting held on 22.01.2020 at Shreenath Mhaskoba Sarkar Kharkhana Ltd., Shreenathnagar, Patethan, Daund, Pune, Maharashtra.

In accordance with the circular no.: STAI/AGM/29/2019 dt. 27.12.19 issued for holding of the Extraordinary General Body Meeting of the Association (EOGBM), the meeting was held on 22nd January 2020 at Shreenath Mhaskoba Sakhar Kharkhana Ltd., Shreenathnagar, Pune at 1700 hrs. Mr. Sanjay Awasthi - President – STAI presided over the meeting after having noted that the quorum of the General Body Meeting was complete and called the meeting to order.

The President informed the General Body that after persistent efforts of the Association and support of the Council STAI made a successful bid to host the XXXI ISSCT in India (December 2022) during XXX ISSCT Congress held at Tucuman, Argentina from 02-05 Sept. 2019. Earlier the Association made bids during ISSCT Congress at Mexico in 2010 and once again in 2016 at Thailand but were unsuccessful. So after a gap of 22 years STAI will be holding the XXXI ISSCT Congress in India for the third time.

ISSCT Congress is attended by more than 1200-1400 delegates from 50 sugar producing countries of the world. The Congress provides an excellent platform to interact with the world renowned technologists besides business opportunities in respect of capital investments, infrastructural development etc. It would be a great opportunity for the Indian sugar industry to showcase its technological might to the global sugar industry that we have achieved in the past two decades.

The General Body was appraised that the Elections of the STAI Council are due in the year 2021 and STAI has a lengthy election process that starts from January and ends in middle of July with declaration and notification of results. The elections timings will clash with the ISSCT Midterm meeting/Congress work which itself is onerous and will require complete involvement of the STAI Secretariat, its office bearers and some members of the Council.

Mr. Awasthi also informed the General Body that in the years 1998 and 2001 the tenure of Councils was raised by one year by deferring the General Elections in order to hold the XXIII ISSCT Congress at New Delhi in Feb. 1999 and XXIII Session of

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ICUMSA in May 2002 at Pune. Similarly the tenure of the present Council is also required to be extended for two years for successful hosting of Congress and to give continuity to the present Council.

After detailed deliberations the General Body unanimously decided to extend the tenure of the present Council for two years *i.e.* 2021-2022 till completion of the XXXI ISSCT Congress in India in December 2022 and deferring the General Elections scheduled in the year 2021 to 2023. The procedure of General Elections for the Council as provided in By Laws Item No.10.6.2 shall begin in month of Jan. 2023. Accordingly, the General Body unanimously passed the following resolution and amendment in Bylaws Item No.:10.5 :

1. "In view of the important international event taking place in India – XXXI ISSCT Congress in December 2022 (after a gap of 22 years). To put a good show before the international community, the members of the Council decided that the General Elections of Office Bearers and Council Members of the STAI Council be deferred for two years *i.e.* from 2021 to 2023 as was done in the past for organization of ISSCT Congress in 1999 and ICUMSA Session in the year 2002. This will give continuity and strength to the present Council to successfully organize the XXXI ISSCT Congress".
2. Amendment in Rules and Bylaws under Item No.10.5 as Item No.10.5.1 :
Rule 10.5.1 – That the tenure of the Council can be extended to meet exigency of organizing a mega international event of relevance to the industry taking place in the country (only ISSCT Congress or ICUMSA Session of which STAI is an affiliate member from India) subject to the approval by the Extra Ordinary General Body Meeting or Annual General Body Meeting of the Association. However, an elected Council cannot seek such extension more than once in its tenure.

Proposed by : Mr. R.S. Shewale

Seconded by : Mr. Chaitanya Joshi

Thanking you,

Yours truly,



AMIT KHATTER
SECRETARY GENERAL

**REPORT OF THE SECRETARY FOR
THE 82ND ANNUAL GENERAL BODY MEETING OF
THE SUGAR TECHNOLOGISTS' ASSOCIATION OF INDIA,
TO BE HELD ON 22ND OF OCTOBER 2020,
THROUGH VIDEO CONFERENCING**

Hon'ble President, Council members and esteemed members of the Association, it gives me immense pleasure to welcome you all to the 82nd Annual General Body Meeting of the Association. The General Body this year will be held through virtual mode due to the ongoing COVID 19 pandemic which restricts holding of large gatherings and also keeping in view the safety of the members.

GLOBAL SUGAR OUTLOOK

The International Sugar Organization (ISO) has forecasted global sugar deficit in the sugar season 2020-21. ISO estimates a global sugar deficit of 724,000 metric tonnes and also forecast increase in global sugar consumption by 2.6 per cent to 174.19 million tonnes, whereas production is also estimated to increase by 2.3 per cent to 173.46 million tonnes. The rise in global sugar production is expected mostly due to a recovery in India's sugar production to 31.5 million tonnes in the upcoming season.

INDIAN SUGAR SCENARIO

According to the Indian Sugar Mills Association (ISMA) the total acreage under sugarcane in the country is estimated to be around 52.28 lakh hectares in 2020-21 sugar season, which is about 8% higher than 2019-20 sugar season's cane area of around 48.41 lakh hectares.

Based on the above estimates, the sugar production for the season 2020-21 is estimated to the tune of 32 million tonnes. With higher availability of sugarcane there will be surplus sugar production next year and it is estimated that a larger quantity of cane juice and B-molasses will get diverted to ethanol which will reduce sugar production by 1.5 million tonnes in next season, as compared to the 8 lakh tonnes diverted this year. The government has also set a mill-wise target of ethanol production for every mill that has a distillery attached to it, with an all India cumulative target of producing 362 crore litre ethanol in 2020-21 in order to boost liquidity of the sugar mills.

HIGHLIGHTS OF THE STAI ACTIVITIES IN 2019-20

77th Annual Convention and International Sugar Expo 2019

The Sugar Technologists' Association of India successfully organized its flagship event – 77th Annual Convention and International Sugar Expo 2019 at the state-of-the-art Convention facility, Biswa Bangla Convention Centre, Kolkata from 17-19 July 2019. This was the first time that the Convention was held in the state of West Bengal which houses the headquarters of some of the leading sugar groups in the country. The highlights of the convention were:

Participation by nearly 800 delegates which included bureaucrats, sugar mill entrepreneurs, CEOs, HODs, consultants, technology providers, research professionals etc.

Chief Guest

Mr. Ranjit Puri, Chairman, Saraswati Sugar Mills Ltd.; Past President STAI and ISMA

Guest of Honour –

- Mr. Kallappa Awade, Founder Director, Shri Jawahar SSSK Ltd.; Past President, NFSCF Ltd.
- Mr. Arun Lohia, Chairman, Ganpati Sugar Industries Ltd.

Distinguished Dignitaries –

- Mr. Ghanshyambhai J Patel, Chairman, Shree Narmada Khand Udyog Sahakari Mandli Ltd.
- Mr. R S Raghavan, Managing Director, Gobind Sugar Mills Ltd.
- Prof. Narendra Mohan, Director, National Sugar Institute, Kanpur
- Mr. B B Mehta, Whole Time Director, Dalmia Bharat Sugar and Industries Limited
- Mr. Prakash Naiknavare, Managing Director, National Federation of Cooperative Sugar Factories Limited
- Mr. R L Tamak, Executive Director and CEO, DCM Shriram Ltd. (Sugar Business Division)
- Dr. M S Sundaram, Managing Director, J.P. Mukherji & Associates Private Limited.

STAI Prestigious Awards

The following awards were handed out by the dignitaries during the Inaugural Session :

Life Time Achievement Awards

The Life Time Achievement awards for the year 2019 were conferred to:

- Mr. Prakash Kallapa Awade, Chairman, Jawahar SSSK Ltd.
- Mr. R Nandakumar, Chairman, Natems Sugar Pvt. Ltd.
- Mr Gyanendra Kumar, Advisor, Daurala Sugar Works
- Mr B B Mehta, Whole Time Director, Dalmia Bharat Sugar & Industries Ltd.
- Mr Ashok Kumar Gupta, Whole Time Director (Operations), Bajaj Hindusthan Sugar Ltd.
- Dr Rajeev Vasant Dani, Head and Technical Advisor, Dept. of Sugar Technology, VSI, Pune
- Dr (Mrs.) Vasudha Keskar, Managing Director, MAARC Labs Pvt. Ltd.
- Mr Byom Shankar Dubey, Managing Director, V.S. Projects and System Engineers Pvt. Ltd.

Industry Excellence Awards

The Industry Excellence Awards for the year 2019 were conferred to :

- Gobind Sugar Mills Ltd., U.P.
- Mawana Sugars Ltd., U.P.

- Shree Narmada Khand Udyog Sahkari Mandli Ltd., Gujarat
- Puri Industries, U.P.
- Mr C N Deshpande, President, Jaywant Sugars Ltd.
- Mr Rajesh Verma, Managing Director, Enviropol Engineers Pvt. Ltd.
- Mr Madhav Mathur, Managing Director, N.K. Organic Inorganic Industries Pvt. Ltd.

Isgec Gold Medals: Engineering for Excellence were conferred to

- Mr. D K Goel, Hon. Editor, STAI for Process Engineering
- Mr R L Tamak, Executive Director and CEO, DCM Shriram Ltd. (Sugar Business Division) for Process Technology

J P Mukerjee Gold Medal

Mr L M Talwar, Ex Executive Director, ISGEC Heavy Engineering Ltd.

Dr P J Manohar Rao Gold Medal for Excellence in Co Products :

Mr Sanjay Desai, MD, Excel Engineers and Consultants

Dr. Bansidhar Gold Medal :

Mr M G Joshi, Mr Sanjay Awasthi, Mr Anurag Goyal, Ms Deepti Mishra for their paper “Steam Economy in existing Plant at Jawahar S.S.S K –A Success Story

S.N. Gundurao Memorial Lecture -

The coveted lecture was delivered by the following :

1. Dr. G.S.C. Rao, MD, Global Cane Sugar Services Pvt. Ltd. on “Sugar Industry... What’s Next ?”
2. Dr. Vasudha Keskar, MD, Maarc Labs Pvt. Ltd. on “Food Safety Act and Indian Sugar”

Mangal Singh Memorial Lecture -

The prestigious lecture was delivered by Prof. Narendra Mohan, Director, NSI on “Indian Sugar Industry : As I Look at it”.

International Sugar Expo 2019

In conjunction with 77th STAI Annual Convention, **International Sugar Expo 2019** was also organized wherein 52 technology providers including turn-key plant suppliers, SMEs, consultants etc. from India and abroad showcased their latest innovations, products & services, for the sugar & allied industry.

The Sugar Expo witnessed a large number of visitors from the senior management of Sugar Industry, scientific fraternity and R&D institutes. Over the years the convention and sugar expo have emerged as the most potent forum for showcasing of new technologies, exchange of ideas and a bellwether for the Indian Sugar Industry.

Technical Presentations

66 research papers were published in the Annual Convention proceedings against which 63 papers were presented and deliberated in the following sessions:

1. Agriculture Section - 26 papers were presented
2. Factory Section - 23 papers were presented
3. Co Products Section - 14 papers were presented

New Initiatives

To make the Convention programme interesting and lively for the delegates, the STAI Council as a new initiative introduced the following awards exclusively for the participating delegates attending the technical sessions – Sugarcane Agriculture Session, Factory Session and Co-products Session :

- a. **The Best Participating Delegate Award** was given to the participant attending the technical sessions and was decided through lucky draw by the Session Chairman & Co-chairman
- b. **The Most Attentive Participant Award** was given to the delegate answering the questions put up by the Session Chairman & Co-chairman during the technical sessions
- c. **Quiz Contest** - A quiz contest was organized by Shrijee group for the participants that took place in Factory Session and Co Products Sessions. 10 questions were put up to the delegates and the participants giving right answer were given Gift Vouchers.

STAI e-Newsletter

In the year 2019-20 the following editions of STAI e-Newsletters were released having details on the activities of the association, national and international events of interest to the members :

- a. Volume 5, Issue 16, October 2019
- b. Volume 5, Issue 17, January 2020
- c. Volume 6, Issues 18-19, June 2020

Research and Investigation Work

On the recommendation of the Research and Investigating Committee and decision of the Council, following projects are being undertaken :

1. “Utilization of Sugarcane and Sugar Industry Wastes for Sustainable Sugarcane Production” was formulated to conduct a collaborative study between STAI, Dalmia Bharat Sugar & Industries Ltd and UP Council of Sugarcane Research. The project commenced in March 2020 and would be completed in March 2022. A tripartite agreement has also been signed between the three parties. STAI is providing the financial assistance to the tune of Rs.4 lakhs for the above project.
2. STAI in association with in association with M/s. Shreenath Mhaskoba Sakhar Karkhana Ltd are working on the project “Bio-enzymes for condensate treatment and recycling in a distillery”. The project has already been started and a research paper on the same is being presented in the Co-products session of the 78th annual convention.

3. “Tractor driven mechanical harvesters” – The KCP Sugar & Industries Corporation Ltd. in collaboration with Acharya N.G. Ranga Agricultural University, Andhra Pradesh are working on developing a tractor drawn whole cane harvester. They have desired STAI to join the project and nominate experts so that the quality of experimentation can improve. The proposed machine is tractor mounted and can be maneuvered in Indian fragmented fields in harvesting season and after that the tractor can be normally used for other works thereby increasing its prime mover utility.
4. CNG from press mud waste – National Sugar Institute, Kanpur and Isgec Heavy Engineering Ltd., have been working on the project and have achieved the results at laboratory level and now they intend to initiate the project at commercial level. They have desired that STAI should also be part of the project. The commercial trials are proposed to be undertaken at the experimental factory of NSI next year.
5. Removal of suspended material in mixed juice by use of flotation clarifier – STAI in association with Chemical Systems Technologies (I) Ltd., will be undertaking the above project in the ensuing sugar season 2020-21 and full scale commercial trials are proposed to be undertaken at the experimental factory of NSI.

Technical Seminars, Webinars & Virtual Workshops Organized in the year 2019-20

The following seminars, webinars & virtual workshops were organized in the year 2019-20. The topics/themes of the events were kept in mind considering the need of the industry in present times :

– Physical Seminars

- a. All India one day seminar on “Optimizing Ethanol Production in Distilleries attached with Sugar Mills - Experiences Gained and Way Forward” 27th Sept. 2019, Goa
- b. All India One Day Seminar on “Bio-Enzymes/other Technologies for Condensate Treatment and Recycling in a Distillery”, 22nd January 2020, in association with M/s. Shreenath Mhaskoba Sakhar Karkhana Ltd., Pune
- c. All India One Day Seminar on “Advances in Sugar Grading and Food Safety Standards to produce Quality Sugar”, 22nd February 2020, Belagavi.

– Webinars

To resume STAI activities after lockdown, as a new initiative the Council of STAI decided to reach out to the members through holding of webinars and virtual workshops on imperative subjects as holding of the seminars/workshops in person was not possible due COVID 19 pandemic. In this series, the following programmes were organized :

- a. Webinar on “Revenue Generating Modern Technologies for Air Pollution Control in Sugar Mills & Distilleries” 29 May 2020.
- b. Webinar on “Improving Sustainability of Sugar Industry through Biofuels and By Products” 16 June 2020.

– Virtual Workshops

- a. Virtual Workshop on “Latest Technologies for Sugarcane Milling” on 15 July 2020.

- b. Virtual Workshop on “An Ideal Model Of Sugar Refinery To Get The Maximum ROI & Best Product Quality” on 19 August 2020.

All the above programmes were well attended by large number of delegates from India and abroad and invoked exciting response from the participants.

- Participation in 2nd International Conference & Exhibition organized by VSI

STAI participated as an exhibitor in the 2nd International Conference and Exhibition on "Sustainability – Innovation & Diversification in Sugar and Allied Industry" from January 31 to February 02, 2020 at VSI Campus, Pune. A number of participants including renowned experts from India & abroad visited the STAI stall. VSI had also invited eminent personalities from around the world to the programme as Session Chairs/Panelists for the Plenary Session and various Technical Sessions that also included senior members of STAI.

INTERNATIONAL SOCIETY OF SUGAR CANE TECHNOLOGISTS (ISSCT)

Because of the persistent efforts of the Association and support of the Council, STAI finally got the opportunity to hold the XXXI ISSCT Congress in December 2022 at Hyderabad, India. Earlier STAI made bids during ISSCT Congress in Mexico, 2010 and in Thailand, 2016 but were unsuccessful. In the third attempt during the XXX ISSCT Congress held at Tucuman, Argentina from 02 – 05 Sept. 2019, STAI made a successful bid to host the XXXI Congress in India.

This will be the third time that STAI will be hosting the prestigious ISSCT Congress in India. It will be a great opportunity for the Indian sugar industry to showcase its technological might to the global sugar industry that we have achieved in the past two decades.

To finalize the programme for the Congress, a Mid-term meeting of ISSCT was scheduled from 7th Feb. – 16th Feb. 2021 (which is getting deferred to July/August 2021 due to COVID 19 pandemic) for onsite review of the arrangements proposed for the Congress. The ISSCT team comprising of its Executive Committee, members of Technical Programme Committee, Editor and General Secretary will visit India to see the arrangements. After deliberations and on agreed terms and conditions a final programme and contract will be signed between ISSCT/STAI and a complete congress programme will be released by the ISSCT to all its members across the world.

INTERNATIONAL COMMISSION FOR UNIFORM METHODS OF SUGAR ANALYSIS (ICUMSA)

The 1st Meeting of ICUMSA National Committee was held on 18th July 2019 at Kolkata. The meeting was attended by 11 members of the ICUMSA National Committee. Mr Sanjay Awasthi, President of Indian National Committee-ICUMSA chaired the meeting and Dr. (Mrs.) V.S. Keskar, Convenor gave a brief introduction on the decisions of 31st ICUMSA Session held from 26th to 28th August 2018 in Skukuza, South Africa. She also gave an update on the Method GS-9 & work to be done by the members of the Indian National Committee :

- Study of Four Methods of Colour Analysis i.e Method No 7, 8, 9, 10
- Study related to effect of various brands of MPOS on Colour Value of Sugar.

- Possibility of getting analysed samples of sugar on ICP-MS if the method is to be tested collaboratively and in case any other test method required by sugar industry, work may be initiated.

FINANCIAL STATUS OF THE ASSOCIATION FOR THE YEAR 2019-20

In the financial year 2019-20, STAI's capital reserves increased from Rs.540 lakhs to Rs.614 lakhs. This corresponds to an increase in the reserves by Rs.74 lakhs during the year.

STAI MEMBERSHIP

The bonafide membership strength of the Association in various categories as on 30th Sept. 2020 :

Category of Members		Total Members
Hon. Fellows	-	03
Patrons	-	132
Life Members	-	420
Fellows	-	291
Associates	-	1063
Affiliated Association	-	02
Companion Members	-	147
SME	-	23
Total	-	2081

MAJOR DECISIONS OF THE COUNCIL

1. Holding of seminars on important topics at Goa, Pune & Belgavi
2. Decision to hold Webinars and Virtual workshops during the COVID 19 pandemic period for the benefit of the members
3. Decision to hold the 78th Annual Convention and International Sugar Expo 2020 through hybrid/virtual mode
4. Holding the 82nd Annual General Body Meeting of the Association through virtual mode
5. Various decisions taken in respect of hosting the prestigious XXXI ISSCT Congress in India :
 - Formation of the Congress Organizing Committee
 - Finalization of the programme to host the midterm meeting and visit of the members of the ISSCT Executive and Technical programme committee to India in Feb. 2021
 - Finalization of the Pre and Post Congress tours to be held in conjunction with the Congress
 - Finalization of the contract between STAI and ISSCT
 - Opening of the separate bank accounts for the ISSCT Congress
6. Finalization of various awards to be given during the Convention

7. Extension of the tenure of the present Council
8. Finalization of the research and investigation projects

PUBLICATIONS DURING THE YEAR 2019-20

The following publications were brought out by the Association in the year 2019-20:

1. Proceedings of the 77th Annual Convention held at Kolkata in July 2019
2. Year Book & Technical Data Directory of Indian Sugar Factories for the years 2017-18 and 2018-19
3. Directory of Cane Sugar Factories in India and SAARC countries, Refineries & Distilleries in India, Nepal & Bhutan for the year 2018-19
4. Souvenir of 77th Annual Convention
5. Proceedings of All India one day seminar on “Optimizing Ethanol Production in Distilleries attached with Sugar Mills - Experiences Gained and Way Forward” held on 27th Sept. 2019 at Goa
6. Proceedings of All India one day seminar on “Bio-Enzymes/other Technologies for Condensate Treatment and Recycling in a Distillery”, 22nd January 2020, Pune
7. Proceedings of All India one day seminar on “Advances in Sugar Grading and Food Safety Standards to produce Quality Sugar”, 22nd February 2020, Belagavi.
8. E-Proceedings of Virtual Workshop on “Latest Technologies for Sugarcane Milling” held on 15 July 2020
9. E-Proceedings of Virtual Workshop on “An Ideal Model Of Sugar Refinery To Get The Maximum ROI & Best Product Quality” held on 19 August 2020

ACKNOWLEDGEMENTS

I express my sincere gratitude for the support of the President, Vice Presidents, Hon. Treasurer, Hon. Editor, Council Members and esteemed members of the Association. My thanks are also due to NSI Kanpur, IISR Lucknow, VSI Pune, SBI Coimbatore, SISSTA and DSTA for actively participating and supporting the activities of the Association.

I also extend my thanks to Ministry of Consumer Affairs, Food and Public Distribution, Ministry of Agriculture and Ministry of Science & Technology, Govt. of India for their continued support.

My grateful thanks are also due to Indian Sugar Mills Association, National Federation of Coopt., Sugar Factories Ltd., who always extended their valuable support and cooperation as and when needed. I also take this opportunity to thank the Companion Members, Patrons and CEO's, HOD's and other officers of sugar mills for actively participating and deputing their technical staff to STAI seminars, workshops and other programmes. My deepest sincere thanks are also due to the sponsors, exhibitors and advertisers who supported us throughout the year. Lastly, I am thankful to the team of STAI which helped in planning and execution of the activities and in giving their best all the time.

INDEPENDENT AUDITORS REPORT**The Members****M/s The Sugar Technologists' Association of India, New Delhi****Opinion**

We have audited the financial statements of The Sugar Technologists' Association of India (hereinafter referred to as "Society"), which comprise the balance sheet at March 31st 2020, and the income and expenditure account, for the year then ended, and notes to the financial statements, including a summary of significant accounting policies.

In our opinion and to the best of our information and according to the explanations given to us, the aforesaid financial statements give the information required in the manner so required and give a true and fair view in conformity with accounting principles generally accepted in India, of the state of the affairs of the Society as at 31st March, 2020 and its surplus for the year ended on that date.

Basis for Opinion

We conducted our audit in accordance with the Standards on Auditing (SAs) issued by ICAI. Our responsibilities under those standards are further described in the *Auditor's Responsibilities for the Audit of the Financial Statements* section of our report. We are independent of the entity in accordance with the ethical requirements that are relevant to our audit of the financial statements, and we have fulfilled our other ethical responsibilities in accordance with these requirements. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our opinion.

Responsibilities of Management and Those Charged with Governance for the Financial Statements

Management is responsible for the preparation and fair presentation of the financial statements in accordance with generally accepted accounting principles, and for such internal control as management determines is necessary to enable the preparation of financial statements that are free from material misstatement, whether due to fraud or error.

In preparing the financial statements, management is responsible for assessing the entity'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 entity or to cease operations, or has no realistic alternative but to do so.

Those charged with governance are responsible for overseeing the entity's financial reporting process.

Auditor's Responsibilities for the Audit of the Financial Statements

Our objectives are to obtain reasonable assurance about whether the 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 skepticism 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.

- 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 Society'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 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 Society's to cease to continue as a going concern.
- Evaluate the overall presentation, structure and content of the financial statements, including the disclosures, and whether the financial statements represent the underlying transactions and events in a manner that achieves fair presentation.

Materiality is the magnitude of misstatements in the financial statements that, individually or in aggregate, makes it probable that the economic decisions of a reasonably knowledgeable user of the financial statements may be influenced. We consider quantitative materiality and qualitative factors in (i) planning the scope of our audit work and in evaluating the results of our work; and (ii) to evaluate the effect of any identified misstatements in the financial statements.

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 Regulatory Requirements :

Further, we report that:

- (a) We have obtained all the information and explanations which to the best of our knowledge and belief were necessary for the purpose of our audit;
- (b) In our opinion, proper books of account have been kept by the Society so far as appears from our examination of those books and proper returns adequate for the purpose of our audit.
- (c) The Society's Balance Sheet, Statement of Income and Expenditure and notes thereon dealt with by this Report are in agreement with the books of account.
- (d) In our opinion and to the best of our information and according to the explanations given to us, the said accounts, give a true and faire view.
 - a) In the case of the Balance Sheet of the state of affairs of the Society as at 31st March, 2020.
 - b) In the case of the Income & Expenditure of the excess of income over expenditure for the year ended 31st March, 2020.

For A.K. GUTGUTIA & CO.
Chartered Accountants
FRN 000012N

Place : New Delhi
Dated : 03/09/2020

Sd/-
R.K. JAIN
Partner
Membership No. 011405

UDIN :

**THE SUGAR TECHNOLOGISTS' ASSOCIATION OF INDIA
BALANCE SHEET AS AT 31.03.2020**

PARTICULARS	SCHEDULE	As on 31.03.2020		As on 31.03.2019	
		Rs.	Rs.	Rs.	Rs.
SOURCES OF FUNDS					
Capital Fund	A		87407472		82851912
TOTAL			87407472		82851912
APPLICATION OF FUNDS					
Fixed Assets	B		25196386		26812032
Fixed Deposits	C		61420961		54068017
Current Assets, Loans & Advances	D	7095041		7590465	
Less: Current Liabilities & Provisions	E				
(i) Current Liabilities			-3905557		-3409209
(ii) Provisions			-2399359	790125	-2209393
TOTAL			87407472		82851912

Significant Accounting Policies and Notes on Accounts–Schedule I & J

The Schedules referred to above form an integral part of the Balance Sheet.

As per our report attached.

For A.K. Gutgutia & Co.
Chartered Accountants

For and on behalf of
The Sugar Technologists' Association of India

Sd/-
R.K. JAIN
Partner

Sd/-
SANJAY AWASTHI
President

Sd/-
ANUP KESARWANI
Hon. Treasurer

Sd/-
AMIT KHATTER
Secretary General

Sd/-
I. RAMA CHANDRAN
Accounts Manager

Place : New Delhi

Date : 03/09/2020

THE SUGAR TECHNOLOGISTS' ASSOCIATION OF INDIA
INCOME & EXPENDITURE ACCOUNTS FOR THE YEAR ENDED 31.03.2020

PARTICULARS	SCHEDULE	31.03.2020 Rs.	31.03.2019 Rs.
INCOME			
Membership Subscription		1917058	2876341
Interest on Savings Bank and Fixed Deposits		4231259	3568687
Interest from TDS Receivable		136915	107537
Receipts from Convention & Seminars (Gross)	F	16642936	18221311
Sale of Publications (Including Coffee Table Book)		167474	140720
Receipt from Advertisement		2254351	2177576
Increase/Decrease Stock of Publication	G	-206206	-232994
TOTAL		<u>25143787</u>	<u>26859178</u>
LESS: EXPENDITURE			
Administrative & Other Expenses:	H	8068010	7622806
Convention & Seminar Expenditure (Gross)	F	8622076	7826484
Research & Development Expenses		637844	652106
Publishing/Printing Charges		722563	694825
Audit Fees		55000	55000
STAI Election Exp (Net)		-	122868
Depreciation		1622396	1768643
XXXIst ISSCT Congress Bidding Expenses		310338	-
TOTAL		<u>20038227</u>	<u>18742732</u>
Surplus before Tax		<u>5105560</u>	<u>8116446</u>
Less : Provision for Income Tax & Earlier year		-550000	-645540
Surplus after Tax		<u>4555560</u>	<u>7470906</u>

Significant Accounting Policies and Notes on Accounts--Schedule I & J

The Schedules referred to above form an integral part of the Income & Expenditure Account.

As per our report attached

For A.K. Gutgutia & Co.
Chartered Accountants

For and on behalf of
The Sugar Technologists' Association of India

Sd/-
R.K. JAIN
Partner

Sd/-
SANJAY AWASTHI
President

Sd/-
ANUP KESARWANI
Hon. Treasurer

Sd/-
AMIT KHATTER
Secretary General

Sd/-
I. RAMA CHANDRAN
Accounts Manager

Place : New Delhi

Date : 03/09/2020

THE SUGAR TECHNOLOGISTS' ASSOCIATION OF INDIA
SCHEDULES ANNEXED TO AND FORMING PART OF THE ACCOUNTS
FOR THE YEAR ENDED 31.03.2020

SCHEDULE 'A' CAPITAL FUND :

PARTICULARS	For the Year Ended 31.03.2020 Rs.	For the Year Ended 31.03.2019 Rs.
Opening Balance	82851912	75381006
Add: Excess of Income Over Expenditure	4555560	7470906
Closing Balance		
TOTAL	<u>87407472</u>	<u>82851912</u>

SCHEDULE 'B' FIXED ASSETS (At cost less Depreciation) :

Assets	WDV as on 01.04.2019 Rs.	Additions during the year Rs.	Deletion Sold Off/ Write Off Rs.	Deprecia- tion for the year Rs.	WDV as on 31.03.2020 Rs.
(i) TANGIBLE ASSETS					
Office Premises	23251056	-	-	1162553	22088503
Office Equipments	1666830	6750	-	251033	1422547
Computers & U P S	14305	-	-	5517	8788
Furniture and Fixtures	1754650	-	-	175465	1579185
Library Books	23133	-	-	2313	20820
(ii) INTANGIBLE ASSETS					
STAI Websites	102058	-	-	25515	76543
TOTAL	<u>26812032</u>	<u>6750</u>	<u>-</u>	<u>1622396</u>	<u>25196386</u>

SCHEDULE 'C'
FIXED DEPOSITS (Including Interest Accrued) :

Name of Banks	31.03.2020 Rs.	31.03.2019 Rs.
HDFC BANK LTD.	53752661	35200591
THE FEDERAL BANK LTD.	4763479	4467650
THE JAMMU & KASHMIR BANK LTD.	1469196	1380144
CORPORATION BANK	1435625	1354563
IDFC BANK LTD.	-	11665069
TOTAL	<u>61420961</u>	<u>54068017</u>

Fdr includes amount received for Lala Bansidhar, JP Mukherjee, ISGEC and PJ Manohar Rao Gold Medal Awards.

SCHEDULE 'D'
CURRENT ASSETS, LOANS & ADVANCES :

PARTICULARS	31.03.2020 Rs.	31.03.2019 Rs.
Current Assets:		
Closing Stock of Books (as certified by the Management)	983845	1190051
Cash in hand	2943	3068
Cash at Bank A/cs	2415847	2315115
Loans & Advances: (unsecured, considered good)		
Other Receivable (Convention/seminar sponsors advt etc)	1584576	1439479
Security Deposit – Office Premises Maint	61875	61875
TDS Receivable	2005584	2494606
IGST Input Credit	22682	42470
Stamp in Franking Machine on 31/3/18	17689	43801
TOTAL	7095041	7590465

SCHEDULE 'E'
CURRENT LIABILITIES & PROVISIONS :

PARTICULARS	31.03.2020 Rs.	31.03.2019 Rs.
(i) CURRENT LIABILITIES :		
Salary/Gratuity/Medical Allowance Payable (March 2020)	492900	267450
Bills Payable:	353854	305866
Advance received for next year events advtt/del fee etc	224382	–
TDS Payable	55482	56954
Lala Bansidhar Award	500000	500000
J.P. Mukherjee Award	500000	500000
ISGEC Gold Medal Award	500000	500000
Dr. PJ Manohar Rao Award	700000	700000
Pending/Rejected application for Membership	578939	578939
TOTAL CURRENT LIABILITIES	3905557	3409209
(ii) PROVISIONS :		
Provision for Leave Encashment	1259597	1214865
Provision for Income Tax	1139762	994528
TOTAL PROVISIONS	2399359	2209393

SCHEDULE 'F'
INCOME & EXPENDITURE OF ANNUAL CONVENTION & SEMINAR :

PARTICULARS	Income	Expenditure	Income	Expenditure
	31.03.2020	31.03.2020	31.03.2019	31.03.2019
	Rs.	Rs.	Rs.	Rs.
77 th Annual Convention - Kolkata (2019)	14881108	7753130		
Seminars : 2019-20	1761828	868946		
76 th Annual Convention - Indore (2018)	–	–	16840386	7135675
Seminars 2018-19	–	–	1380925	690809
TOTAL	16642936	8622076	18221311	7826484

SCHEDULE 'G'
INCREASE / (DECREASE) IN STOCK OF PUBLICATIONS :

PARTICULARS (Certified by the management)	31.03.2020	31.03.2019
	Rs.	Rs.
Closing Stock of Coffee Table Book	939745	1132501
Closing Stock - Other Publications	44100	57550
Less: Opening Stock	-1190051	-1423045
TOTAL	-206206	-232994

SCHEDULE 'H'
ADMINISTRATIVE EXPENSES :

PARTICULARS	31.03.2020	31.03.2019
	Rs.	Rs.
Salary-Pay Allowances	6394061	6103770
Leave Encashment	224521	62797
Travelling, Conveyance. LTC etc.	79671	107075
Professional Charges	117500	153500
Meeting Exp.	8818	5249
Postage, Courier & Telephone	319465	326209
Repair & Maint, Office Maint, Insurance etc.	361574	355073
Office Premises Maint Charges	193158	178200
Office Stationery and Photostat	46111	46424
Electricity Water & Diesel for Generator	323131	284509
TOTAL	8068010	7622806

For A.K. Gutgutia & Co.
Chartered Accountants

Sd/-
R.K. JAIN
Partner

For and on behalf of
The Sugar Technologists' Association of India

Sd/-
SANJAY AWASTHI
President

Sd/-
ANUP KESARWANI
Hon. Treasurer

Sd/-
AMIT KHATTER
Secretary General

Sd/-
I. RAMA CHANDRAN
Accounts Manager

Place : New Delhi
Date : 03/09/2020

SCHEDULE 'I'
SIGNIFICANT ACCOUNTING POLICIES

1. METHOD OF ACCOUNTING

The financial statements are prepared on an accrual basis except in the case of subscription income which is accounted on receipt basis in view of uncertainty of realization.

2. FIXED ASSETS

Fixed Assets are stated at cost of acquisition less Depreciation.

3. DEPRECIATION

Depreciation on Fixed Assets is provided on Written down Value of the fixed assets in accordance with the rates and manner prescribed under Income Tax Act.

4. STAFF BENEFITS

The contribution to provident fund is debited to the Income & Expenditure account. The Association contributes annual premium to the Group Gratuity Fund set up by LIC and the same is expensed off accordingly. Leave encashment is accounted for on accrual basis (as estimated by the management).

SCHEDULE 'J'
NOTES ON ACCOUNTS

1. The Society (STAI) is registered with Director of Income Tax (Exemption) u/s 12A read with Section 12AA of Income Tax Act vide Registration No.DIT(E)/2007-08/T-1019/339 dated 31.07.2007 w.e.f. 01.04.2000.
2. The income received from members is considered as exempt from Income Tax in view of principle of mutuality. The society is paying Income Tax on Income from non members after reducing proportionate expenditure.
3. Provision for Income Tax for the year of Rs 5,50,000/- is calculated on the basis of income received from Non members.
4. In the opinion of the management, the Current Assets, Loans & Advances have a value on realization in the normal course not less than the value at which they are stated unless specified otherwise and are subject to confirmation. Further, provision for all known liabilities has been made.
5. Previous year figures have been regrouped / rearranged wherever necessary.

Signature to Schedule 'A' to 'J'
As per our report of even date

For A.K. GUTGUTIA & CO.
Chartered Accountants

Sd/-
R.K. JAIN
Partner

Sd/-
SANJAY AWASTHI
President

Sd/-
ANUP KESARWANI
Hon. Treasurer

Sd/-
AMIT KHATTER
Secretary General

Sd/-
I. RAMA CHANDRAN
Accounts Manager

Place : New Delhi
Date : 03/09/2020