



**NOTICE of the  
45<sup>th</sup> ANNUAL GENERAL BODY MEETING  
On  
22<sup>nd</sup> May (Wednesday), 2024 at 15:00 hrs**

**Venue**

Super Computing Facility Auditorium  
Ground floor, SCF Building  
Bhabha Atomic Research Centre, Mumbai – 400 085.

*Special Lecture on*

**“Emergence of Thermodynamics in Chemical and Biological Systems:  
Fundamental Research to Impactful Applications”**

*Speaker*

**Prof. Nand Kishore**

Department of Chemistry, Indian Institute of Technology Bombay,  
Powai, Mumbai.

**For joining the meeting online**

**Google Meet link: <https://meet.google.com/bpf-hxmc-psj>**

INDIAN THERMAL ANALYSIS SOCIETY  
(Bom.523/1978 G.B.B.S.D., Public Trust Regn. No. F – 5221, Mumbai)

C/o. Analytical Chemistry Division  
Bhabha Atomic Research Centre, Mumbai 400 085.

**ITAS EXECUTIVE COMMITTEE**  
**Period: 2021 - 2024**

**President**

Dr. Y. K. Bhardwaj, *Head, RTDD, BARC, Mumbai*

**Vice-Presidents**

Dr. Ratikant Mishra, *ChD, BARC, Mumbai* (from Head Quarters)

Prof. V. M. S. Verenkar, *Dept. of Chemistry, Goa University, Goa* (outside HQ)

**Hon. Secretary**

Dr. Rohan Phatak, *FCD, RC&I Group, BARC*

**Hon. Treasurer**

Dr. Santosh Bhojane, *PDD, RC&I Group, BARC*

**Members**

Dr. Rimpi Dawar, *ChD, BARC, Mumbai*

Shri. N. K. Shukla, *Ex. Empl., BARC, Mumbai*

Dr. R. Rajeev, *Ex. Empl., VSSC, Kolkata*

Dr. Vijayalakshmi K. P., *Ex. Empl., VSSC, Kolkata*

Dr. Aparna Banerjee, *FCD, BARC, Mumbai*

Dr. Rajesh V. Pai, *FCD, BARC, Mumbai*

Dr. Pradeep Samui, *PDD, BARC, Mumbai*

Dr. A. K. Dubey, *RTDD, BARC, Mumbai*

Dr. S. K. Rakshit (Ex-Officio Member), *PDD, BARC, Mumbai*

## INDIAN THERMAL ANALYSIS SOCIETY

### 45<sup>th</sup> Annual General Body Meeting

The 45<sup>th</sup> Annual General Body Meeting of the Indian Thermal Analysis Society will be held (in hybrid mode) on 22<sup>nd</sup> May (Wednesday) 2024, at 15:00 hrs at SCF auditorium, Ground Floor, Super Computing Facility bldg., Bhabha Atomic Research Centre, Mumbai – 400 085 to transact the following business:

#### AGENDA

1. To read and confirm the minutes of the 44th Annual General Body Meeting of the society held at NHCF conference room, 2<sup>nd</sup> Floor, NHCF, RLG, Bhabha Atomic Research Centre, Mumbai – 400 085
2. To examine the Annual Report for the period ending 31<sup>st</sup> March 2024.
3. To consider and approve the income and expenditure accounts, balance sheet and audit report for the period ending 31<sup>st</sup> March 2024.
4. To consider and approve the budget forecast for the year 2024 – 2025.
5. To approve internal and external statutory auditors for the financial year 2024 – 2025.
6. To discuss ITAS life time achievement award.
7. Charge handover to the new elected EC committee.
8. To consider any other matter with the permission of the Chair.

#### PROGRAMME

3:00 pm to 3:15 pm	Prelude
3:15 pm to 4:15 pm	Special Lecture
4:15 pm to 5:00 pm	ITAS 45 <sup>th</sup> AGBM
5:00 pm	Refreshment

#### Note:

- a) Venue for AGBM has been booked inside BARC. Those who wish to attend the meeting physically should send an email to [itasindia@gmail.com](mailto:itasindia@gmail.com) on or before **15<sup>th</sup> May 2024** so that necessary casual entry permits are prepared. The AGBM will also be held through online platform as per the link.
- b) Any question/suggestion may kindly be sent to The Secretary, ITAS on or before **19<sup>th</sup> May 2024** ([itasindia@gmail.com](mailto:itasindia@gmail.com))
- c) If there is no quorum, the meeting will be adjourned for half an hour and the adjourned meeting will be held at the same venue irrespective of the quorum.

**May 01, 2024**



(Rohan Phatak)  
Hon. Secretary

## Minutes of the 44<sup>th</sup> AGM of ITAS

**Minutes of the 44<sup>th</sup> AGM of ITAS held at NHCF conference room, 2<sup>nd</sup> Floor, NHCF, RLG, Bhabha Atomic Research Centre, Mumbai – 400085 held on 26<sup>th</sup> May, 2023 at 14:00 hrs.**

The 44<sup>th</sup> Annual General Body Meeting of the Indian Thermal Analysis Society was held at NHCF conference room, 2<sup>nd</sup> Floor, NHCF, RLG, Bhabha Atomic Research Centre, Mumbai – 400085 held on 26th May, 2023 at 14:00 hrs. The AGM was attended by 22 members and chaired by Dr. Y. K. Bhardwaj, President, ITAS.

AGBM was preceded by a Special Lecture on “*Significance of Thermal Analysis in Safe and Efficient Management of Radioactive Waste*” by Dr. C. P. Kaushik, Raja Ramanna Fellow, DAE and Former Director, Nuclear Recycle Group, BARC. Dr. Y. K. Bhardwaj, President, ITAS thanked Dr. C P Kaushik for his presentation and welcomed the members to the meeting and conducted the proceedings.

### **M1A1**

Dr. Rohan Phatak, Hon. Secretary, ITAS, read the minutes of the 43<sup>rd</sup> AGM of ITAS held at Conference Hall, 1<sup>st</sup> Floor, Training School Hostel, Anushakti Nagar, Mumbai - 400 094 on 30<sup>th</sup> March 2021. The minutes were accepted unanimously.

Proposed by : Dr. R. K. Mondal

Seconded by: Dr. Naina Raje

### **M2A2**

The annual report for the period ending 31<sup>st</sup> March 2023 and proposed budget was read by Dr. Rohan Phatak and the same was accepted.

Proposed by: Dr. Abhishek Kumar Rai

Seconded by: Dr. R. K. Mondal

### **M3A3**

On behalf of Dr. S. Bhojane, Hon. Treasurer, ITAS, Dr. Rohan Phatak, presented the income, expenditure accounts, balance sheet and audit report for the period ending 31<sup>st</sup> March, 2023. The statement of accounts was passed unanimously.

Proposed by : Dr. Naina Raje

Seconded by: Dr. Abhishek Rai

### **M4A4**

On behalf of Dr. S. Bhojane, Hon. Treasurer, ITAS, Dr. Rohan Phatak presented the budget forecast for the year 2023 – 2024. Budget forecast was accepted by the members.

Proposed by : Dr. S. C. Parida

Seconded by: Dr. Deepak Rawat

**M5A5**

The following persons were named for internal and external audit of ITAS transactions.

Internal auditor: Shri N.K. Shukla (Honorary)

External auditor: Shri V. Parshuram (on payment basis)

Proposed by : Dr. R. K. Mondal

Seconded by : Dr. Meera Keskar

**M6A6**

- a. Dr. R. Mishra proposed conducting schools for college students which will cover basics of thermodynamics, thermal analysis and hands-on practical sessions. Also, workshops for researchers and scientist can be conducted to cover the advance topics in computational thermodynamics and thermal Analysis.
- b. It was unanimously decided to dissolve all the earlier Fixed deposits and make one or two FDs in the parent branch i.e. SBI -BARC.
- c. Look out for the feasibility to update the corresponding address and emails of life members.

Dr. Y. K. Bhardwaj, President, ITAS thanked all the members of the society for their continued support and contribution to the growth of the society. Finally, the meeting ended with vote of thanks to the chair.



(Rohan Phatak)  
Hon. Secretary

## Annual Report for the year April 2023 – March 2024

During this period a School on Thermal Analysis (STA-2023) was organized at Department of Chemistry, SVNIT, Surat during November 24 – 25, 2023. A total of six EC meetings were conducted to address various issues. Details of ITAS EC meeting held during this period are given below:

145<sup>th</sup> ITAS EC meeting was held on May 10, 2023. During this meeting, issues pertaining to holding the 44<sup>th</sup> AGM as well as an assessment of ITAS activities and expenses for the year 2022–2023 were discussed.

146<sup>th</sup> EC meeting was held on 08 August, 2023 where details of organizing ITAS school/workshop was discussed. It was decided to conduct Thermans-2024 at the end of 2024 year. The expenses done during 44<sup>th</sup> AGM was discussed and approved.

147<sup>th</sup> EC meeting was held on 13<sup>th</sup> September, 2023 during which topics pertaining to workshops/schools and institutes hosting Thermans in 2024 were discussed. It was also addressed how to hold the election for the ITAS EC member for the upcoming term.

148<sup>th</sup> EC meeting was held on 16<sup>th</sup> October, 2023. The meeting was mainly focussed for discussing the organizing School on Thermal Analysis (STA-2023) at Department of Chemistry, SVNIT, Surat.

149<sup>th</sup> EC meeting was held on 10<sup>th</sup> November, 2023 where technical program for the School on Thermal Analysis (STA-2023) was finalized. Dr. S. N. Achary was nominated as the election officer for conducting the ITAS EC elections for the tenure 2024-27.

150<sup>th</sup> EC meeting was held on 6<sup>th</sup> March, 2023 where election results forwarded by election officer were announced. Process for auditing ITAS account and conducting the AGM was initiated. The invitation received from ICTAC-2024 organizing committee, for ITAS to be co-organizers was taken into consideration. It was unanimously decided by the EC members that ITAS will not to be a part of the ICTAC-2024.

The membership of the society increased to 673 life members and 1 corporate Life member at the end of March 2024.

I take this opportunity to thank all the office bearers for their valuable suggestions and guidance. ITAS is also thankful to Shri N.K. Shukla for carrying out the work of internal auditor.

On behalf of the executive committee, I express my sincere thanks to Director, BARC for providing the facilities for running the affairs of the society. I also thank all the members of ITAS for their valuable suggestions, encouragement and support.



(Rohan Phatak)  
Hon. Secretary

## **Report on School on Thermal analysis – 2023 (STA-2023)**

Analytical Chemistry Division, BARC and Department of Chemistry, SVNIT, Surat jointly organized a School on Thermal Analysis (STA-2023) under the aegis of Indian Thermal Analysis Society (ITAS) at SVNIT, Surat during November 24 – 25, 2023. Seventy-three (73) students and researchers participated from Surat and nearby educational institutes/ industries besides the lecturers from BARC and SVNIT.

STA-2023 was organized as a comprehensive program to offer students, researchers, and professionals an in-depth exploration of thermal analysis techniques and their multifaceted applications. It was comprised of lectures, doubt solving sessions and hands on training.

During the two days School, the topics like introduction to thermal analysis, high-temperature material synthesis, high-temperature X-ray diffraction (XRD), and temperature dependent Fourier-transform infrared (FTIR) techniques were covered to offer an extensive understanding of cutting-edge research methodologies. Topics like thermodynamic properties of materials and heat transfer properties were explored to provide insights into the fundamental principles that underpin thermal analysis. It also included a session on thermo-responsive eutecto-gels, a fascinating topic at the intersection of thermal analysis and materials science. To reinforce the theoretical knowledge, the school had problem-solving sessions and practical hands-on exercises. Participants had the opportunity to perform thermal gravimetric analysis (TG), temperature-dependent refractive index measurements, dynamic light scattering (DLS), and density measurements. The knowledge gained during STA-2023 will empower attendees to enhance their theoretical and practical skills that can directly be applied in their research and professional endeavors.

At the end Dr. Y. K. Bhardwaj delivered the talk to participants for carrier planning and opportunities in science streams. He explained activities of Department of Atomic Energy, India and how to be a part of its scientific research and technological endeavors. He also encouraged and invited students to do projects and internships in BARC and other units of DAE.

**INDIAN THERMAL ANALYSIS SOCIETY (ITAS)**

PAN : AAAT0013K Date of Incorporation 01/06/1990

(Reg. No. Bom. 523/1978 G. B. S. D. Public Trust Reg. No. F-5221, Bombay)

C/o Analytical Chemistry Division, Bhabha Atomic Research Centre, Mumbai - 400085.

Tel No. 022-25590645 / 25592458. Fax 022-25505151 / 25519613

**PROVISIONAL BALANCE SHEET AS ON 31ST MARCH, 2024**

Funds and liabilities		Amount (INR)	Property and Assets		Amount (INR)
<b>Trust Fund &amp; Corpus.</b>			<b>Fixed Assets.</b>		
Balance as per last Balance sheet	6,63,194				0
Add: Life membership Fees	3,000	6,66,194	<b>Investments.</b>		
			FD with SBI	8,31,222	
			FD's with Union Bank of India (formerly Andhra Bank)	1,52,360	
			UTI Mutual Fund - 2430 CRTS Units	2,86,735	
<b>Current Liabilities &amp; Provisions.</b>		0	HDFC Mutual Fund - Income Fund	1,00,000	
			SBI FD No. 42203281535 (New FD 23/08/2023)	6,50,000	
			Interest accrued and due on above FD's (Approx)*	81,744	21,02,061
			<b>Current Assets, Loans and Advances.</b>		
<b>Income &amp; Expenditure A/c.</b>			Cash in Hand	6,149	
Balance as per last Balance sheet	15,93,684		Balance with Banks (SBI, BARC Branch)	1,00,239	
Less : Excess of Expenditure Over Income during current year	49,761	15,43,923	TDS Receivable 20-21	468	
			TDS Receivable 22-23	1,200	1,08,058
		<b>22,10,117</b>			<b>22,10,117</b>

*Siddhant*  
26.04.2024

(Mr. Abhishek Rai)  
Treasurer

*Ram*  
26/04/2024

(Dr. Ram Avtar Jat)  
Secretary

*Devil*  
26.04.2024

(Dr. Ratikant Mishra)  
Chairman

For V. Parshuram & Co.  
Chartered Accountants



*VPRam*  
Vogety Parshuram,  
Proprietor.  
M.No. 109304.

**Notes:**

1) \* Full details as to the amount of interest paid by banks on Fixed Deposits of ITAS and Tax Deducted At Source thereon are not available as on the date of finalization of this Balance Sheet. So, FD interest has been considered based on our workings. Based on interest and TDS figures shown by banks, above figures are likely to change nominally.



**INDIAN THERMAL ANALYSIS SOCIETY (ITAS)**

PAN : AAAT10013K Date of Incorporation 01/06/1990

(Reg. No. Bom. 523/1979 C. B. S. D. Public Trust Reg. No. F-522\*, Bombay)

C/o Analytical Chemistry Division, Bhabha Atomic Research Centre, Mumbai - 400085

Tel No. 022-25590645 / 25592456, Fax: 022-25505151 / 25519613

**PROVISIONAL INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED ON 31<sup>ST</sup> MARCH, 2024**

Expenditure		Amount (INR)	Income		Amount (INR)
To	Website Charges	7,672	By	Symposium Sponsorship (School of Thermal Analysis - STA 2023)	16,500
To	Expenses on 'School of Thermal Analysis STA -2023'	1,24,833	By	<b>Other Incomes:</b>	
To	Bank Charges	649		Dividend from HDFC Mutual Fund	1,822
To	Secretarial Help	15,630		Dividend from UTI Mutual Fund	3,357
To	Audit Fees for FY 2022-23	4,400	By	Provisional FD Interest*	81,744
			By	Excess of Expenditure Over income tsfd to Balance Sheet	49,761
		<b>1,53,184</b>			<b>1,53,184</b>

*Abhishek Rai*  
26.04.2024  
(Mr. Abhishek Rai)  
Treasurer

*Ram Avtar Jat*  
26/04/2024  
(Dr. Ram Avtar Jat)  
Secretary

For V. Parshuram & Co.  
Chartered Accountants



*V. Parshuram*  
Vogety Parshuram,  
Proprietor.  
M.No. 109304.

*Ratikant Mishra*  
26-04-2024  
(Dr. Ratikant Mishra)  
Chairman

**Notes:**

1) \* Full details as to the amount of interest paid by banks on Fixed Deposits of ITAS and Tax Deducted At Source thereon are not available as on the date of finalization of this Income and Expenditure. So, FD interest has been considered based on our workings. Based on interest and TDS figures shown by banks, above figures are like to change nominally.

**Proposed budget for the year 2024-2025**

<b>Income</b>		<b>Expenditure</b>	
<b>Particulars</b>	<b>Amount (Rs.)</b>	<b>Particulars</b>	<b>Amount (Rs.)</b>
By interest/dividend	87000	Postage, printing and stationary	5000
From ITAS FD & Registration charges/ funding from symposium and workshop	163700	Website maintenance	7700
		Audit fee and ITR filing charges	12000
		Holding AGM and EC meeting	20000
		Secretarial assistant	6000
		Symposium	200000
<b>Total</b>	<b>2,50,700</b>	<b>Total</b>	<b>2,50,700</b>