



# Astronautical Society of India

(ASI)

Annual Report

2017-21



18<sup>th</sup> September, 2021

**ASTRONAUTICAL SOCIETY OF INDIA**

(Regn. No. 317/90-91)

**Contact Address**

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Old Airport Road, Bangalore - 560017

<https://www.asindia.org>



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## 1. About Astronautical Society of India

*ASI was set-up in 1990 to foster the development of astronautics in the country. ASI is engaged in the dissemination of technical and other information related to astronautics by conducting technical meetings, bringing out technical publications and organizing exhibitions. The society is also playing an active role to promote the interests of other developing countries in the field of astronautics through International Federation (IAF), Paris, in which ASI is a voting member.*

*ASI has eminent personalities in the field of astronautics as Distinguished Fellows/Fellows on its roll. A programme council consisting of elected Distinguished Fellows/Fellows with Chairman, Space Commission, as its Ex-Officio Chairman, oversees the functioning of the society. An Executive Council consisting of nine members including the President, Vice-president, Executive Secretary and Treasurer, elected by the general body of ASI, looks after the day-to-day functioning of the society.*



## 2. Programme Council

Dr. K. Sivan	Chairman Space Commission/ President-ASI
Dr. K. Kasturirangan	Member
Dr. V. K. Aatre	Member
Dr. C. G. Krishnadas Nair	Member
Dr. P. S. Goel	Member
Dr. B. N. Suresh	Member*

*\*New member*

## 3. Executive Council

Dr. K. Sivan	President
Dr. Tessy Thomas	Vice President
Dr. Vinod Kumar	Executive Secretary
Shri Tsering Tashi	Treasurer
Dr. S. Geetha	Member
Shri M Ganesh Pillai	Member
Dr. Akhilesh Kumar	Member
Shri Anand V. Pathak	Member
Shri Amit Kumar Singh	Member



**ASTRONAUTICAL SOCIETY OF INDIA**

(Regn. No. 317/90-91)

ISRO Satellite Centre,

Old Airport Road, Bangalore – 560 071

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**AGBIM**

Draft (AS)



# ANNUAL GENERAL BODY MEETING 2017 – 21

**Date: 18: 09:2021, Saturday**

**Time: 01:00 PM**

**Venue: Sathish Dhawan Auditorium, URSC**

**Bangalore – 560017**

## 4. Annual General Body Meeting Agenda

1. Welcome by President ASI, Dr. K. Sivan
2. Confirmation of the Proceedings of the Annual General Body Meeting held at URSC, in Sathish Dhawan Auditorium, URSC (ISAC) on 28<sup>th</sup> April, 2017
3. Presentation of the Annual Report of the Society for the year 2017 – 2021: Executive Secretary
4. Presentation of Annual Audited Report of the Society for the year 2017-21: Treasurer
5. Any other matter with the approval of Chair



## 5. Proceedings of the Annual General Body Meeting (AGBM)

held on 28<sup>th</sup> April, 2017 at Satish Dhawan Auditorium, ISAC  
Bangalore – 560017

### A. Attendance

The Annual General Body Meeting (AGBM) of Astronautical Society of India (ASI) for the year 2015 – 2017 was called at 11:45 AM in Sathish Dhawan Auditorium, ISRO Satellite Centre (ISAC), Bangalore, the meeting was attended by more than 95 members. President of ASI Shri A. S. Kiran Kumar, has chaired the meeting. Meeting was attended by Vice President, Executive Secretary, Treasurer and other executive council members.

**Agenda was circulated in advance and reproduced here for quick reference.**

- a) *Welcome by President ASI, Shri A.S. Kiran Kumar*
- b) *Approval for the Minutes of Previous Executive Council meeting held on 22nd May 2015 at GSLV-Mk-III Auditorium, VSSC Trivandrum: Executive Secretary*
- c) *Annual Report 2015 – 2017 & AGBM to be conducted: Executive Secretary*
- d) *Auditor Report 2015 – 2017: Treasurer*
- e) *Any other matter with approval of a chair.*

The annual report of the society was distributed to the members before AGBM.

### B. Welcome & Opening Remarks by President

Executive Secretary Dr. Alok Shrivastava, welcomed all the present ASI Members and requested President Shri A. S. Kiran Kumar to address the General Body.

President insisted that ASI should have frequent memorial lectures, technical conferences throughout the country. He emphasized on the need to make ASI a vibrant professional association and requested the participation and support of ASI members with rich professional experience to come forward and take up active roles in this endeavor. He also appreciated the efforts for membership drive but insisted the measures required to enlarge membership base as well as to initiate the Local Chapters in ASI to step-up the activities.

### C. New Executive Council Election and Result Declaration

Executive Secretary mentioned about the 3-years tenure completion of present Executive Council in March-2017. Permission has been granted by President ASI, for election. He appointed Returning Officer (RO) for the same (Flag-A). RO has completed all the formalities for smooth conduction of election. After receiving the nomination, the election results were submitted by RO to President ASI for his approval (Flag-B).



Executive Secretary has requested RO for declaring the result in AGBM. RO Shri Rajendra Singh P Byali from ISAC has declared the result. Following is the list of candidates declared elected unopposed for the **Executive Council** of ASI for the period of three years commencing from 1<sup>st</sup> April 2017 till 31<sup>st</sup> March 2020.

S. N.	Name of the Candidates	Membership No.	Post
1	<b>Dr. Avinash Chander</b> Ex, Secretary DRDO, Hyderabad	LM 1265	Vice - President
2	<b>Dr. Alok Kumar Shrivastava</b> Project Director, GEOSAT, ISAC	LM 1638	Executive Secretary
3	<b>Mr. Jagathipriya</b> Section Head, PPEG/ISAC	LM 1879	Treasurer
4	<b>Mr. G. Ayyappan</b> Associate Project Director, GSLV MkIII, VSSC	FE 0035	Member
5	<b>Mr. V. Seshagiri Rao</b> Ex-Associate Director, SDSC- SHAR	LM 1060	Member
6	<b>Dr. Jolly Dhar</b> Sci./ Engr. 'SG', SAC	LM 1773	Member
7	<b>Dr. P. Srikumar</b> Ex – Director, ADE / DRDO	LM 3106	Member
8	<b>Mr. M. R. Thyagaraj,</b> Ex-GD/ISAC	LM 1406	Member

President welcomed the new Executive Council body. Newly elected members are Shri Jagathipriya as Treasurer and Shri M. R. Thyagaraj as EC member. Outgoing Treasure Shri B K Behera was honored by President by giving a memento as token of appreciation towards his services during past 3-years.

#### **D. Proceedings of AGBM**

Executive Secretary, ASI presented the salient features of proceedings of AGBM held on 22<sup>nd</sup> May 2015, which was made available to the members in the form of a booklet, as part of Annual Report 2015-17. The report covers the accomplishments of ASI, important Astronautical events in the country, details about the Student Chapter, membership status, changes in the executive council, Selection of the panel of new Auditors for coming 3-years and future activities of ASI.

The AGBM approved the proceedings, with following few queries.

- i. *Membership fee structure has been revised from 01-04-2017 onwards as follows:*
  - **Life Member from ` 310 (Old) to ` 2100 (New),**



- **Fellow from ` 510(Old) to ` 3100(New), and**
  - **Corporate Member from ` 2010(Old) to ` 5100(New).**
- ii. *ASI activities should be more frequent and ASI should conduct talks by **Aryabhata Awardees.***
  - iii. *Students Chapters can be revitalizing like create zones within country and affiliate them to various ISRO centers. A proposal on this should be quickly worked out and take approval on circular basis within EC for working.*
  - iv. *All India level Quiz competition should be conducted as a student activity.*
  - v. *To increase the awareness among student community, space related projects competition should be arranged.*
  - vi. *ASI should widen the horizon of its reach e.g. DRDO, Academic Institutes as well as Corporate etc. also. It was also suggested by VP to make NRI subject experts from Astronautics field as Fellow.*
  - vii. *Members of ASI may be elevated to Fellow as per technical contribution, but Fellow numbers will be restricted to five per year from this onwards. Exact procedure will be worked out and approval will be taken within EC.*
1. Panel of Auditors have been cleared in previous AGBM with a rider that in next tenure give chance to next Auditor viz. Vijay Sreeram & Co, No. 25, 2<sup>nd</sup> Floor, Munibasappa Building, Lalbagh Fort Road, Minerva Circle, Bangalore- 560004.
  2. In the previous AGBM, it was suggested by EC that the Rules & Regulations should improved upon by taking reference from other similar societies like AeSI, IETE, Institute of Engineers etc. Draft By-laws was prepared and circulated among EC. Due to small technical paper related issues, could not proceed further for renewing the registration in to registrar's office. EC felt that we need to work on this for completing the registration formalities then take-up Bylaws.
  3. A separate discussion took place to work out on the proposal of Dr. S. Srinivasan Award but could not be persuaded further.
  4. New website <https://www.asindia.org> is functional now where the members' details will be updated before taking print of ID cards which is kept on hold. President has asked to complete the process as soon as possible.

### **AGBM approved the Annual report for the years 2014-2015.**

#### **E. Accounts**

Shri B K Behera Treasurer, ASI briefed the members on the audited report of accounts for the years 2015 to 2017. It is clearly shown that there is a significant reserve with ASI both in terms of Assets and a few intangibles likes fixed deposits etc. Right now the awards are being managed to the extent possible with the interest earned from the FDs and other savings. No specific grants haven been taken so far in last three years from DOS/ISRO.

After brief discussions, the AGBM approved the accounts for the year 2015–17.



#### F. ASI-Awards for 2014 & 2015

ES-ASI has provided the details about the Awards status of ASI, ISRO-ASI, and Aryabhata category.

Awards nominations were called in May 2016 and ASI office has received 62 nominations for the year 2014 and 68 nominations for the year 2015 across the country. Two separate committees were formed by President, ASI - one for 'Space Gold Medals' and another for 'Rest of the Awards'. Awards were finalized in November 2016 and subsequently press note was released through P&PR Units, ISRO HQ as well as on ISRO's & ASI's website.

Towards this ASI thank each & every member of Dr. B N Suresh's Committee and Dr. K Sivan's committee, who spent their valuable time in selecting the Awardees.

ASI congratulated all the Awardees on behalf of entire ASI community.

#### G. Vote of Thanks

Shri Bijay Behra, Treasurer, ASI, proposed the vote of thanks. He thanked all the members for participating in the AGBM. He also thanked the President, Director-ISAC, Vice-President, Executive Secretary and EC members in efficiently carrying out the activities of ASI in previous tenure. He appreciated on his and ASI behalf the support of ISAC Administration, Purchas, Store and Transport for excellent arrangements for smooth functioning of the program. He thanked all sub-committee members, Canteen & Transport for extending their support.

The meeting was concluded with thanks to the chair and all the ASI members.

*Prepared By*

**Alok Kumar  
Shrivastava**  
Executive Secretary,  
ASI

*Approved By*

**A . S. Kiran Kumar**  
President, ASI



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# Annual Report

Draft Report



# ASTRONAUTICAL SOCIETY OF INDIA

## 6. Annual Report of the Society for the years 2017-21

### 6.1 Accomplishments of ASI

ASI is actively involved in the promotion of Astronautics in the country. Towards this ASI in association with International Academy of Astronautics (IAA) opened IAA subsidiary office at Bengaluru on 08<sup>th</sup> August 2019. ASI has developed a dynamic and good looking website (<https://www.asindia.org>) with salient features & safety for on-line application/talk registration facility and OTP based email authentication system.

ASI along with Indian Space Research Organisation and IAA jointly organised an ‘International Symposium on Human Spaceflight Programme’ at Bengaluru during January 22- 24, 2020 under the theme ‘*Human Space Flight and Exploration – Present Challenges and Future Trends*’. More than 500 delegates, including national and international technical experts in human spaceflight related technologies from space agencies, astronauts, representatives of International space industries and academic institutes, young professionals and students participated in the Symposium. The Symposium was inaugurated by Prof. K Vijay Raghavan, Principal Scientific Advisor to Government of India in the presence of Dr K Sivan, Chairman, ISRO on 22nd January, 2020. Honourable Prime Minister of India, Shri Narendra Modi conveyed a special message to the participants of the symposium. In his message, he highlighted that the benefits of India’s Space programme are shared with entire world in line with India’s wisdom of “Vasudaiva Kutumbakam (World is one family in Sanskrit).

ASI has received the nominations for awards for the year 2016 in various categories. The award function for this year was held at Sathish Dhawan space Centre (SDSC), Sriharikota on 24<sup>th</sup> July, 2018. The nominations for awards for the year 2017, 2018 and 2019 were called and awardees are selected by committees formed by President, ASI. The



nominations received by the ASI for various categories are 57, 85 and 89 for the year 2017, 2018 and 2019 respectively.

ASI in its continued endeavour to foster the development of astronautics in the country, has started lecture series by eminent personalities in the field. The lectures aim to disseminate technical and ancient Indic knowledge to the astronautics fraternity of the nation. In view of COVID-19 pandemic, the webinar series are also started by procuring CISCO-WebEx platform.

## **6.2. Important Astronautic Events in India**

Growth of any country can be measured in terms of the scientific developments and its reach to common man. R&D in the field of Astronautics in country has picked-up the pace and each and every day, we hear some or the other news either from ISRO or DRDO. Both these organizations are breaking their own records by creating the new ones. A few of the major achievements which became mile-stones of the progressive India are given below.

The Indian Space Research Organization (ISRO) has launched a number of satellites in the past four decades for various scientific and technological applications related to the fields such as mobile communications, Direct-to-Home services, meteorological observations, telemedicine, tele-education, disaster warning, radio networking, search and rescue operations, remote sensing and scientific studies of the space. This trend is gaining further momentum.

Realizing the huge potential of space technology for the country's development, ISRO has envisioned a strong role for Indian satellite programs in national development and solving the problems of common man. The country's sturdy rate of economic progress has made its space program more evident and lively as the country targets for better self-reliance in space technology.

Presently ISRO is operating its largest fleet of satellites in the world. To augment its communication infrastructure further, ISRO added around a dozen satellite to its fleet. ISRO's heaviest and most-advanced high throughput communication satellite GSAT-11 is also added to its



fleet. South Asia Satellite (GSAT-9) is a communication satellite built by ISRO to provide a variety of communication services over the South Asian region. This satellite has demonstrated the ISRO's capability for stationkeeping maneuvers, using Electric propulsion system, for the first time. Following the successful launch, the Honorable Prime Minister of India, Mr. Narendra Modi addressed the space community along with the South Asian leaders. The Prime Minister recalled that two years ago India made a promise to extend the advanced space technology for the cause of growth and prosperity of the people of South Asia and felt that the successful launch of South Asia Satellite today marks a fulfilment of that.

The seven-satellite system created India's very own satellite navigation system. It has started providing services in marine navigation, disaster management, vehicle tracking and fleet management, and navigation aide for drivers. After launching the 7<sup>th</sup> satellite of IRNSS series ISRO has completed the constellation for the NavIC system, designed to provide position information in the Indian region and 1,500 km around the Indian mainland. India's Navigation by Indian Constellation (NavIC) has got regulatory approvals and has been designated as allied navigational satellite system by US Congress, in the year 2020. Many smartphones manufacturers have launched mobile phones with NavIC receiver viz. Xiomi, Qualcomm and Redmi etc. In future ISRO plans to expand the reach of its unique navigation system i.e. NavIC globally.

To strengthen its knowledge of space, ISRO planned various missions to other planets. Indian space agency planned a highly complex mission Chandrayaan-2 to study the Moon surface and its composition. India's Geosynchronous Satellite Launch Vehicle GSLV MkIII-M1, successfully launched the 3840 kg Chandrayaan-2 spacecraft into an earth orbit on July 22, 2019. Moon provides the best linkage to Earth's early history. Though there are a few mature models, further explanations were needed to understand the origin of the Moon. Extensive mapping of lunar surface to study variations in lunar surface were essential to trace back the origin and evolution of the Moon. Water



molecules discovered by Chandrayaan-1, required further studies. The Lunar South pole is especially interesting because of the lunar surface area that remains in shadow is much larger than that at the North Pole. There could be a possibility of presence of water in permanently shadowed areas around it. In addition, South Pole region has craters that are cold traps and contain a fossil record of the early Solar System. ISRO named Lander of Chandrayaan-2 as Vikram, in the honor of Dr Vikram A Sarabhai, the Father of the Indian Space Programme. Chandrayaan-2's Rover was a 6-wheeled robotic vehicle named as Pragyan, which translates to 'wisdom' in Sanskrit.

India's eyes in the skies - a family of remote sensing or Earth observation satellites is further augmented by launch of Astrosat, EMISAT, Hyper-Spectral Imaging Satellite (HYSiS) and RISAT series. Radial Rib antenna (RRA) is a world class indigenously developed technology demonstrated in the RISAT-2B spacecraft. ISRO also developed, launched and demonstrated Nanosatellites in-orbit, with the launch of INS-1A/1B and 1C satellites.

Incidentally, ISRO and US NASA's Jet Propulsion Laboratory are jointly working on the development of Dual Frequency (L&S band) Synthetic Aperture Radar (SAR) Imaging Satellite named NASA-ISRO Synthetic Aperture Radar (NISAR), slated to be completed and launched by 2023.

A Team of scientists and engineers of Physical Research Laboratory (PRL), Ahmedabad, have discovered a sub-Saturn or super-Neptune size planet (mass of about 27 Earth Mass and size of 6 Earth Radii) around a Sun-like star. The planet will be known as EPIC 211945201b or K2-236b.

On July 05, 2018, ISRO carried out a major technology demonstration the first in a series of tests to qualify a Crew Escape System, which is a critical technology relevant for human spaceflight. The Crew Escape System is an emergency escape measure designed to quickly pull the crew module along with the astronauts to a safe distance from the launch vehicle in the event of a launch abort. The first test (Pad



Abort Test) demonstrated the safe recovery of the crew module in case of any exigency at the launch pad.

Dr K Sivan, Chairman, ISRO/President, ASI, inaugurated the Young Scientist Programme (Yuvika-2019) through video mode from ISRO Headquarters, Bengaluru on May 13, 2019. A total of 110 students representing every State and Union Territory of India are participating in this programme. The participating students will attend the two weeks residential training programme at four centres/units of ISRO/DOS, namely, Vikram Sarabhai Space Centre (VSSC), Thiruvananthapuram; U R Rao Satellite Centre (URSC), Bengaluru; Space Applications Centre (SAC), Ahmedabad and North Eastern Space Applications Centre (NESAC), Shillong. The participants will also be visiting Satish Dhawan Space Centre (SDSC), Shriharikota, the spaceport of India, during this programme.

Yuvika Program is primarily aimed at imparting basic knowledge on Space Technology, Space Science and Space Applications to the younger ones with the intent of arousing their interest in the emerging areas of Space activities. The two week long residential training programme will cover invited talks and experience sharing by the eminent scientists, facility and lab visits, hands on training, exclusive sessions for discussions with experts and a feedback session.

During the present COVID-19 challenging times, when physical meetings are near-impossible, ISRO planned to play its unifying role for the young minds of our country by involving them in various online competitions showcasing their potential talents by organising online ISRO Cyberspace Competitions-2020 (ICC-2020). The competitions planned in ICC-2020 were: 1). Drawing competition for Class 1 to 3, 2). Model making competition for Class 4 to 8, 3). Essay competition for class 9 to 10, 4). Essay competition / Space-Quiz contest for class 11 to 12 in both Hindi and English were held.

Confederation of Indian Industry (CII) and ISRO jointly organized a workshop on “Incubators/Accelerators for a dynamic space start-up ecosystem”, on February 4, 2021 in virtual mode. The primary objective of this workshop is to bring forth a greater synergy between the DoS and



incubators/accelerators in India, showcasing intent of Department to provide support and guidance to the start-ups working in the space sector. During the recent years many space start-ups has come up in the country.

In view of ever-growing population of space objects and the recent trend towards mega-constellations, Space Situational Awareness (SSA) has become an integral and indispensable part of safe and sustainable space operations. Recognising the need for dedicated efforts to tackle the emerging challenges of operating in an exceedingly crowded and contested space domain, Directorate of Space Situational Awareness and Management (DSSAM) has been established at ISRO. The Directorate engages in evolving improved operational mechanisms to protect Indian space assets through effective coordination amongst ISRO/DOS Centres, other space agencies and international bodies, and establishment of necessary supporting infrastructures, such as additional observation facilities for space object monitoring, and a control centre for centralized SSA activities. NEtwork for space object TRacking and Analysis (NETRA) project is initiated as a first step towards meeting this goal, its main elements being a radar, an optical telescope facility, and a control centre. ISRO SSA Control Centre, "NETRA", is now set up within the ISTRAC campus at Peenya, Bangalore. On 14 December, 2020, the ISRO SSA Control Centre, was formally inaugurated by Dr. K. Sivan, Chairman, ISRO/Secretary, DOS, re-iterating the need for setting up a state-of-the-art facility dedicated to SSA activities on par with international agencies.

A Memorandum of Understanding on "Scientific Collaborations in area of Space Situational Awareness (SSA)" was signed between ISRO and University of Texas, Austin, USA on 05 Mar 2020.

The government took a historic decision by creating a new organisation, namely, Indian National Space Promotion and Authorisation Centre (IN-SPACe), to ensure greater private participation in India's space activities. Dr. K Sivan, Chairman, ISRO said this decision was a part of an important set of reforms to open up the space sector and make space-based applications and services more widely accessible to everyone. The IN-SPACe, will assess the needs and demands of private



players, including educational and research institutions, and, explore ways to accommodate these requirements in consultation with ISRO.

In order to commercially exploit the products and services emanating from the Indian Space Programme, the “NewSpace India Limited (NSIL)” has been incorporated on March 2019. On February, 28, 2021, the first dedicated launch by NSIL, successfully launched Amazonia-1 and 18 Co-passenger satellites from Sriharikota. Shifting into new era of partnership with private industries, ISRO has charted a new course in satellite manufacturing, launch and operations.

Government has envisaged the need for the dedicated space agency for defence. On 28<sup>th</sup> Sep 2018 GOI established, Defence Space Agency (DSA), the Defence Cyber Agency (DCA), a tri-service agency of the Indian Armed Forces. The agency is tasked with operating the space-warfare and Satellite Intelligence assets of India. The Defence Imagery Processing and Analysis Centre in Delhi and the Defence Satellite Control Centre in Bhopal were subsumed by the DSA. The DSA will operate systems to protect Indian interests in outer space and will deal with potential space wars. The agency will have the responsibility of developing a space warfare strategy. It works on Signals Intelligence (SIGINT), Electronic Intelligence (ELINT), Communication Intelligence (COMINT) and in areas like space-based tracking systems. For developing space-warfare systems and technologies for the Defence Space Agency, Defence Space Research Agency (DSRA), a scientific organisation, is created in June 2019. The DSRA is composed of scientists who undertake research and development in close coordination with the Integrated Defence Staff. Various types of Anti-satellite weapon systems are currently under development.

With a network of 52 laboratories, which are engaged in developing defence technologies covering various fields, like aeronautics, armaments, electronics, land combat engineering, life sciences, materials, missiles, and naval systems, DRDO is India’s largest and most diverse research organisation. The programmes which were largely managed by DRDO have seen considerable success with many of the systems seeing rapid deployment as well as yielding significant



technological benefits. DRDO has achieved many successes since its establishment in developing other major systems and critical technologies such as aircraft avionics, UAVs, small arms, artillery systems, EW Systems, tanks and armoured vehicles, sonar systems, command and control systems and missile systems.

In its effort to increase its space deterrent, India, on 27 March 2019, tested an anti-satellite weapon during an operation code named Mission Shakti. The target of the test was a satellite present in a low Earth orbit, which was hit with a kinetic kill vehicle. The ASAT test utilized a modified anti-ballistic missile interceptor code-named Prithvi Defence Vehicle Mark-II which was developed under Project XSV-1. The test made India the fourth country after the United States, Russia and China to have tested an ASAT weapon. India's successful demonstration of the ASAT capability is said to signify its ability to intercept an intercontinental ballistic missile. The ASAT weapon is meant to act as a deterrent.

ASI takes great pleasure in congratulating the scientific community from ISRO and DRDO for their spectacular achievements and progress made in the field of Astronautics in the country. ASI will continue to extend the support in their future endeavour also.

### **6.3. Activities of Student Chapter of ASI (ASI-SC)**

There is a strong need all the time to prepare the next generation youth for effectively achieving our national aims. To attract, motivate, create interest and develop youth in Space. A student Chapter should be an integral part of Astronautical Society of India managed and governed by the students for the students on the advice and directions of ASI executive council. Every technical field has their own and outreach program. We would like to provide the same opportunity to students who are of interest in Space Science/Research. Recent technical achievements of ISRO have evoked this sudden influx of keenly interested students. Hence, this would act as a platform through which the students can have better access to India's Space Agency/International Space Agencies and their activities. Matter has



been internally discussed the students chapters will be enrolled through ASI website <https://www.asindia.org>. Such Students Chapter will be jointly working with ISRO/DRDO for developing astronautics in country. This master plan is under preparation and it is expected to take firm shape shortly.

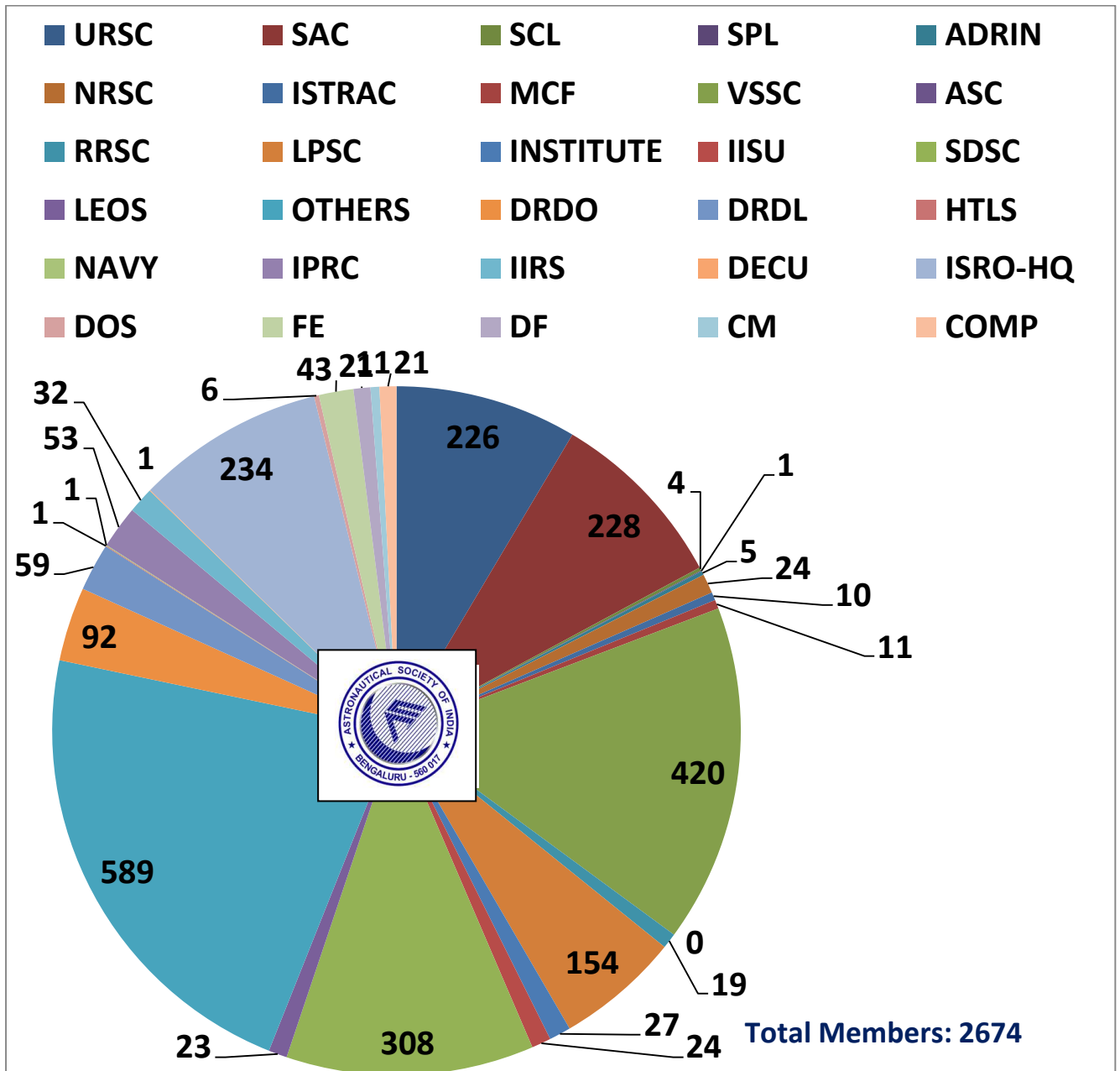
Presently student members are not being enrolled. In-order to open the membership to student members, a nominal one-time fee of Rs 500/- (Rupees Five Hundred Only) is being proposed for AGBM approval. After graduation they can upgrade to life member of the society, after paying the required fee and documents.

#### **6.4. Membership: (As on 14 August, 2021)**

Present strength of ASI is 2674.

As reported during earlier AGBM-2017, during the database updation, it is found that many member's details are missing. ASI's new look website is equipped with a feature, where all the members can contact us and send the details. ASI thanks to President and VP for permitting to switch over for new platform which has advance features and efforts will be made to march with time. Official website for the society is fully revamped and hosted on different platform as <https://www.asindia.org>.

The following figure provides Centre/Institute-wise members list of ASI. Efforts are being put to spread this society throughout the country, especially among the aerospace student community and newly opened space start-ups in the country.



### 6.5. Issue of e-ID Cards and Membership Certificate

The final design of ID card was presented during the previous AGBM. Chairman and AGBM has already cleared for issuing the ID card. Keeping in view of financial implications of printing etc., it is being proposed to prepare electronic identity cards and email to members. In addition to the welcome letter, ASI membership certificate is also being issued to newly joined members.

### 6.6. Planned Future Activities



As you are aware, our great nation is now just few weeks away from the 75<sup>th</sup> anniversary of Indian Independence. Prime Minister of India has inaugurated the Nationwide celebrations, to celebrate this great occasion as “Azadi Ka Amrit Mahotsav” on 12<sup>th</sup> March 2021. Astronautical Society of India in its continued endeavour to foster the development of astronautics in the country, is participating in this Mahotsav, through webinars/workshop etc. ASI has planned to host a set of web series activities during this Mahotsav, to disseminate technical, constitutional and ancient Indic knowledge to the astronautics fraternity of the nation, for a resurgent, AatmaNirbhar Bharat. The workshops planned during the Amrit Mahotsav are intended to provide a forum for interaction among space scientists and technologists across the country.

The Student Chapter of ASI needs complete rejuvenation. It is planned to start the student chapter activities shortly.

## 6.7. Summary

As per the preamble of ASI, ASI continues to focus efforts to promote the activities of Astronautics. ASI community has grown substantially over the years. However, there shall be continuous efforts to enlarge this further. ASI has been sparing no efforts to promote the activities of Astronautics and Space in tune with the developments by national premier R & D organizations, such as ISRO and DRDO.

## Acknowledgments

ASI has been able to promote the activities of astronautics because of guidance and support from various organizations, such as ISRO, ANTRIX, DRDO, IAA and IAF. ASI gratefully acknowledges the invaluable support from these organizations and wish to continue to work with the enhanced vigour and spirit in the years to come for the promotion of Astronautics and Space activities.



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# Audited Report


## 7. Appendix: Annual Audited Report of the Society for the years 2017-21




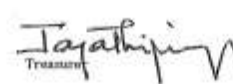
## Annual Report (2017-21)

ASTRONAUTICAL SOCIETY OF INDIA							
Reg. office : ISRO Satellite Center ,Old Airport Road Vimanapura Post ,Bangalore - 560017							
BALANCE SHEET AS AT 31.3.2018							
Previous Year	LIABILITIES		Current Year	Previous Year	ASSETS		Current Year
AMOUNT	Particulars	AMOUNT	AMOUNT	AMOUNT	Particulars	AMOUNT	AMOUNT
1,24,76,813.27	<b>General Fund</b> As per last Balance Sheet	1,24,76,813.27			<b>Fixed Assets</b>		
	Less: Excess of Expenditure over Income	26,81,527.83	97,95,285.44	840.39	Furniture and Fixtures		
					As per last Balance Sheet	840.99	
					Less: Depreciation for the year	126.15	714.84
2,00,000.00	<b>Gold Medal Corpus Fund</b> As per last Balance Sheet		2,00,000.00	5,213.44	Computers		
					As per Last Balance Sheet	5,213.44	
6,34,286.00	<b>Life Membership Fee Fund</b> As per last Balance Sheet	6,34,286.00			Add: Additions for the year		
					Less: Depreciation for the year	2,085.38	3,128.06
	Add: Additions during the year		6,34,286.00	5,012.71	Printer - HP Deskjet 3545	5,012.71	
					Less: Depreciation for the year	751.91	4,260.80
3,72,000.00	<b>Conference Fund Reserve</b> As per last Balance Sheet		3,72,000.00	10,912.72	Conference Website & software		
					As per Last Balance Sheet	10,912.72	
					Less: Depreciation for the year	4,364.21	6,548.51
88,529.00	<b>Outstanding Expenses</b>				<b>Current Assets:</b>		
5,900.00	1. Audit fees payable	1,08,929.00		1,08,35,005.00	Fixed Deposits with SBI, ISRO Branch		85,49,441.00
	2. Other Advances as per last B/s			6,63,579.80	Interest accrued on Deposits		5,86,588.00
	3. Sundry Creditors	2,010.00					
8,000.00	4. Salary Payable	17,160.00	1,23,099.00		<b>Advance Recoverable- Suspense Account</b>		
					Fraudulently withdrawn from bank	12,20,405.00	
					Less: Provision for doubtful recovery	12,20,405.00	
				4,20,637.00	<b>TDS Receivable</b>		4,89,518.00
					<b>Cash &amp; bank balances:</b>		
				18,24,327.41	Savings Bank a/c in SBI, ISRO Branch		14,84,471.22
1,37,65,528.27	<b>TOTAL</b>		<b>1,11,24,670.44</b>	<b>1,37,65,528.27</b>	<b>TOTAL</b>		<b>1,11,24,670.44</b>


For Astronautical Society of India


  
 President  
 3/3  
 Place: Bangalore  
 Date:

  
 Executive Secretary

  
 Treasurer

As per our report of even date attached  
 For Philips Chertan & Associates  
 Chartered Accountants (C.A. No. 002649S)

  
 Philips K Chertan  
 Partner (M.No.022461)  
 UDIN:19022461AAAAB3B303








## Annual Report (2017-21)

<b>ASTRONAUTICAL SOCIETY OF INDIA</b> Reg. office : ISRO Satellite Center ,old Airport Road Vimanapura Post ,Bangalore - 560017 INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31.3.2018							
Previous Year	EXPENDITURE		Current Year	Previous Year	INCOME		
AMOUNT	Particulars		AMOUNT	AMOUNT	Particulars	Current Year	
						AMOUNT	
3,61,190.00	To	IAA Life Membership Fee	-		By	Interest on Savings Bank A/c.	22,140.00
2,37,314.00	To	IAA Life Membership Fee	-		By	Other Income	5,900.00
2,00,413.00	To	ASI Awards and Medals	-	1,56,381.00	By	Interest on Fixed Deposits with SBI	6,89,145.00
-	To	IAF Membership Fee	1,03,600.00				
60,005.75	To	ASI Awards Function expenses	5,09,875.00	9,79,428.00			
-	To	Awards ,Gifts & Medals	9,62,291.49				
26,000.00	To	Deputation for IAA Paris	-				
547846.75	To	IAEC conference sponsorship	-				
-	To	Sponsorship paid	2,07,301.70				
1,061.00	To	Bank Charges	1,508.75	1,020.00	By	Life Time Membership Fee	18,600.00
2,250.00	To	Postage	-				
-	To	Provision for doubtful recovery	-				
-	To		12,20,405.00				
-	To	Printing & Stationery	33,000.00				
98,000.00	To	Salary	1,47,741.00	4,61,674.29	By	Excess of Expenditure over Income	26,81,527.83
17,250.00	To	Audit Fees	35,400.00				
500.00	To	Travelling Expenses	1,88,422.00				
21,451.75	To	Office Expenses	440.25				
25,221.04	To	Depreciation	7,327.64				
<b>15,98,503.29</b>		<b>TOTAL</b>	<b>34,17,312.83</b>	<b>15,98,503.29</b>		<b>TOTAL</b>	<b>34,17,312.83</b>


For Astronautical Society of India


  
President

  
Executive Secretary

  
Treasurer

As per our report of even date attached  
For Philips Cherian & Associates  
Chartered Accountants (FR No. 002649S)

  
Philips K Cherian  
Partner (M.No:022461)  
UDIN:19022461AAAABH8369





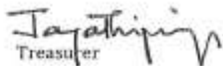


Place: Bangalore  
Date:



## Annual Report (2017-21)

<b>ASTRONAUTICAL SOCIETY OF INDIA</b> Reg. office : ISRO Satellite Center ,Old Airport Road, Vimanapura Post ,Bangalore - 560017 RECEIPTS AND PAYMENTS ACCOUNT FOR THE YEAR ENDED <b>31.3.2018</b>							
Previous Year	RECEIPTS		Current Year	Previous Year	PAYMENTS		
AMOUNT	Particulars		AMOUNT	Particulars		AMOUNT	
	To	Opening Balances :		1,061.00	By	Bank Charges-SBI	1,508.75
31,23,069.66		SB A/C in SBI ,ISRO Branch	18,24,327.41				
4,030.00	To	Life Membership Fee Fund		2,37,314.00	By	IAA Life Membership Fee	
				2,250.00	By	Postage	
1,56,381.00	To	Interest on SB A/c. with SBI	22,140.00		By	Printing & Stationery	33,000.00
				98,000.00	By	Salary	1,38,581.00
95,859.00	To	Interest Received on Deposits with SBI	6,89,145.00	500.00	By	Travelling Expenses	1,88,422.00
				21,451.75	By	Office Expenses	440.25
				547846.75	By	IAC Conference	
	To	Fixed Deposit A/c Closure Receipts	22,93,674.00	60,005.75	By	ASI Awards Function expenses	5,09,875.00
					By	Awards ,Gifts & Medals	9,62,291.49
	To	Sundry Creditors	2,010.00		By	Recovery of amount withdrawn fraudulently from bank	12,20,405.00
				2,00,413.00	By	ASI Awards	
				3,61,190.00	By	IAF Membership Fee	1,03,600.00
1,020.00	To	Life Time Membership Fees	18,600.00		By	Sponsorship paid	2,07,301.70
				26,000.00	By	Deputation for IAA Paris	
				18,24,327.41	By	Closing Balance	
						Saving Bank A/c in SBI,ISRO Branch	14,84,471.22
33,80,359.66	<b>TOTAL</b>		48,49,896.41	33,80,359.66	<b>TOTAL</b>		48,49,896.41


<p style="text-align: center;">For Astronautical Society of India</p> <div style="display: flex; justify-content: space-around; align-items: flex-end;"> <div style="text-align: center;">               President         </div> <div style="text-align: center;">               Executive Secretary         </div> <div style="text-align: center;">               Treasurer         </div> </div> <p>Place: Bangalore Date:</p>	<p style="text-align: center;">As per our report of even date attached For Philips Cherian &amp; Associates Chartered Accountants(FR No.002649S)</p> <div style="text-align: center;">               Philips K Cherian              Partner (M.No:022461)              UDIN:19022461AAAAABH8369         </div> <div style="text-align: right;">  </div>
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## Annual Report (2017-21)

ASTRONAUTICAL SOCIETY OF INDIA							
Reg. office : ISRO Satellite Center ,Old Airport Road Vimanapura Post ,Bangalore - 560017							
BALANCE SHEET AS AT 31.3.2019							
Previous Year	LIABILITIES	Current Year		Previous Year	ASSETS	Current Year	
AMOUNT	Particulars	AMOUNT	AMOUNT	AMOUNT	Particulars	AMOUNT	AMOUNT
97,95,285.44	<b>General Fund</b>	97,95,285.44			<b>Fixed Assets:</b>		
	As per last Balance Sheet	97,95,285.44		714.04	Furniture and Fixtures	714.84	
	Less: Excess of Expenditure over Income	72,42,640.12	25,52,645.32		As per last Balance Sheet		
					Less :Depreciation for the year	107.23	607.61
2,00,000.00	<b>Gold Medal Corpus Fund</b>				<b>Computers</b>		
	As per last Balance Sheet		2,00,000.00	3,128.04	As per Last Balance Sheet	3,128.06	
					Add: Additions for the year		
6,34,286.00	<b>Life Membership Fee Fund</b>	6,34,286.00		4,269.81	Less :Depreciation for the year	1,251.22	1,876.84
	As per last Balance Sheet				Printer - HP Deskjet 2545	4,760.88	
	Add: Additions during the year		6,34,206.00		Less :Depreciation for the year	639.12	3,621.68
3,72,000.00	<b>Conference Fund Reserve</b>	3,72,000.00		6,548.51	<b>Conference Website &amp; software</b>	6,548.51	
	As per last Balance Sheet				As per Last Balance Sheet		
	Add: Additions during the year	4,61,830.00	8,33,830.00		Less :Depreciation for the year	2,618.52	3,929.99
1,03,929.00	<b>Outstanding Expenses</b>				<b>Current Assets:</b>		
	1. Audit fees payable	1,21,029.00		85,49,441.01	Fixed Deposits with SBI/ISRO Branch		32,04,642.00
	2. Sundry Creditors	6,030.00		5,86,588.03	Interest accrued on Deposits		3,99,689.00
	3. Salary Payable		1,27,659.00		<b>Advance Recoverable- Suspense Account</b>		
					Recovery from Accountant of Money	78,66,861.50	
					Fraudulently withdrawn from bank	78,66,861.50	
					Less: Provision for doubtful recovery		
				4,89,518.03	<b>TDS Receivable</b>		5,20,108.00
					<b>Cash &amp; bank balances:</b>		
				14,84,471.21	Savings Bank a/c in SBI ,ISRO Branch		2,13,945.20
1,11,24,670.44	<b>TOTAL</b>		<b>43,48,420.32</b>	1,11,24,670.44	<b>TOTAL</b>		<b>43,48,420.32</b>


For Astronautical Society of India


  
 President  
 2/3  
 Place: Bangalore  
 Date:

  
 Executive Secretary

  
 Treasurer

As per our report of even date attached  
 For Philips Cherian & Associates  
 Chartered Accountants (FIR No. 0026495)

  
 Philips K Cherian  
 Partner (M.No.022461)  
 UDIN: 19022461AAAABR70




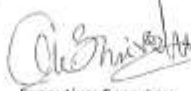



## Annual Report (2017-21)

<b>ASTRONAUTICAL SOCIETY OF INDIA</b>							
Reg. office : ISRO Satellite Center ,old Airport Road Vimanapura Post ,Bangalore - 560017							
INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED <b>31.3.2019</b>							
Previous Year	EXPENDITURE		Current Year	Previous Year	INCOME		
AMOUNT	Particulars		AMOUNT	AMOUNT	Particulars	AMOUNT	
-	To	ASI Awards and Medals	-	22,140.00	By	Interest on Savings Bank A/c	22,685.00
1,03,600.00	To	IAF Membership Fee	2,56,693.00	5,900.00	By	Other Income	-
5,09,875.00	To	ASI Awards Function expenses	4,35,000.00	6,89,145.00	By	Interest on Fixed Deposits with SBI	2,25,787.00
9,62,291.49	To	Awards ,Gifts & Medals	96,495.90	18,600.00	By	Fellowship member fee	-
2,07,301.70	To	Sponsorship paid	-	-			-
1,508.75	To	Bank Charges	3,111.12	-			-
35,400.00	To	Audit Fees	17,700.00	26,81,527.83	By	Excess of Expenditure over Income	72,42,640.12
33,000.00	To	Printing & Stationery	-	-			-
12,20,405.00	To	Provision for doubtful recovery	66,46,456.50	-			-
1,47,741.00	To	Salary	17,160.00	-			-
1,88,422.00	To	Travelling Expenses	13,791.00	-			-
440.25	To	Office Expenses	88.50	-			-
7,327.64	To	Depreciation	4,616.10	-			-
<b>34,17,312.83</b>		<b>TOTAL</b>	<b>74,91,112.12</b>	<b>34,17,312.83</b>		<b>TOTAL</b>	<b>74,91,112.12</b>

For Astronautical Society of India



  
 President

  
 Executive Secretary

  
 Treasurer

Place: Bangalore  
Date:

As per our report of even date attached  
For Phillips Cherian & Associates  
Chartered Accountants(FR No.0026495)

Phillips K Cherian  
Partner (M.No:022461)  
UDIN: 19022461AAAA818767






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## Annual Report (2017-21)

<b>ASTRONAUTICAL SOCIETY OF INDIA</b> Reg. office : ISRO Satellite Center ,Old Airport Road, Vimanapura Post ,Bangalore - 560017 RECEIPTS AND PAYMENTS ACCOUNT FOR THE YEAR ENDED <b>31.3.2019</b>						
Previous Year	RECEIPTS		Current Year	Previous Year	PAYMENTS	
AMOUNT	Particulars			AMOUNT	Particulars	
18,24,327.41	To	Opening Balances : SB A/C in SBI ,ISRO Branch	14,84,471.22	1,508.75	By	Bank Charges-SBI
22,140.00	To	Interest on SB A/c. with SBI	22,685.00	33,000.00	By	Printing & Stationery
6,89,145.00	To	Interest On Fixed Deposit	2,25,787.00	1,38,581.00	By	Salary
7,010.00	To	Sundry Creditors	4,020.00	1,88,422.00	By	Travelling Expenses
-	To	ISRO Grant Received	4,61,830.00	440.25	By	Office Expenses
22,93,674.00	To	Fixed Deposit A/c Closure Receipts	55,01,108.00	5,09,875.00	By	ASI Awards Function expenses
18,600.00	To	Life Time Membership Fees		9,62,291.49	By	Awards ,Gifts & Medals
				12,20,405.00	By	Recovery of amount withdrawn fraudulently from bank
				1,03,600.00	By	IAF Membership Fee
				2,07,301.70	By	Sponsorship paid
					By	Closing Balance
48,49,896.41		<b>TOTAL</b>	<b>76,99,901.22</b>	48,49,896.41		<b>TOTAL</b>
						2,13,945.20
						<b>76,99,901.22</b>

<p style="text-align: center;">For Astronautical Society of India</p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">               President         </div> <div style="text-align: center;">               Executive Secretary         </div> <div style="text-align: center;">               Treasurer         </div> </div> <p>Place: Bangalore Date:</p>	<p style="text-align: center;">As per our report of even date attached For Phillips Cheria &amp; Associates Chartered Accountants (FR No. 0026495)</p> <div style="text-align: center;">               Philips K Cheria              Partner (M.No:022461)              UDIN: 19022461AAAAB18767         </div> <div style="text-align: right;">  </div>
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# Annual Report (2017-21)

ASTRONAUTICAL SOCIETY OF INDIA							
Reg. office : ISRO Satellite Center ,Old Airport Road Wimanapura Post ,Bangalore - 560017							
BALANCE SHEET AS AT 15.3.2019							
Previous Year	LIABILITIES		Current Year	Previous Year	ASSETS		Current Year
AMOUNT	Particulars	AMOUNT	AMOUNT	AMOUNT	Particulars	AMOUNT	AMOUNT
25,52,645.32	<b>General Fund</b>				<b>Fixed Assets:</b>		
	As per last Balance Sheet	25,52,645.32			Furniture and Fixtures:		
	Less: Excess of Expenditure over Income	6,13,377.62	19,39,267.70	607.61	As per last Balance Sheet	1,95,607.61	
					Less :Depreciation for the year	9,780.38	1,85,827.23
2,00,000.00	<b>Gold Medal Corpus Fund</b>		2,00,000.00	1,876.84	Computers		
	As per last Balance Sheet				As per Last Balance Sheet	1,876.84	
					Add: Additions for the year		
	<b>Life Membership Fee Fund</b>				Less :Depreciation for the year	250.25	1,626.59
6,34,286.00	As per last Balance Sheet	6,34,286.00			Printer - HP Deskjet 3545	3,621.68	
	Add: Additions during the year		6,34,286.00	3,621.68	Less :Depreciation for the year	101.08	3,440.00
8,33,830.00	<b>Conference Fund Reserve</b>				Conference Website & software		
	As per last Balance Sheet				As per Last Balance Sheet	3,929.99	
	Add: Additions during the year		8,33,830.00	3,929.99	Less :Depreciation for the year	523.71	3,406.28
1,21,629.00	<b>Outstanding Expenses</b>				<b>Current Assets:</b>		
	1. Audit fees payable	1,21,629.00			Fixed Deposits with SBI/ISRO Branch		
6,030.00	2. Sundry Creditors	6,030.00	1,27,659.00	32,04,642.00	Interest accrued on Deposits		
				3,99,689.00	<b>Advance Recoverable- Suspense Account</b>		
					Recovery from Accountant of Money		
					Fraudulently withdrawn from bank	78,84,953.30	
					Less: Provision for doubtful recovery	78,84,953.30	
					<b>Loans and Advances:</b>		
					IAA-ISRO-ASI CONFERENCE 2020-ADVANCE		5,80,000.00
				5,20,108.00	<b>TDS Receivable</b>		5,20,108.00
					<b>Cash &amp; bank balances:</b>		
				2,13,945.20	Savings Bank a/c in SBI/ISRO Branch		
					SBI- Current A/c-38605738348		25,20,634.00
43,48,420.32	<b>TOTAL</b>		<b>37,35,042.70</b>	43,48,420.32	<b>TOTAL</b>		<b>37,35,042.70</b>

For Astronautical Society of India


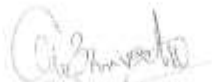



  
 President  
  
 Executive Secretary  
  
 Treasurer  
 Place: Bangalore  
 Date:

As per our report of even date attached  
 For Philips Chierian & Associates  
 Chartered Accountants (FR-Nr. 0026495)

  
 Philips K Chierian  
 Partner (M.No:022461)  




## Annual Report (2017-21)

<b>ASTRONAUTICAL SOCIETY OF INDIA</b>						
Reg. office : ISRO Satellite Center ,old Airport Road Vimanapura Post ,Bangalore - 560017						
INCOME AND EXPENDITURE ACCOUNT FOR THE PERIOD ENDED 15.07.2019						
Previous Year	EXPENDITURE		Current Year	Previous Year	INCOME	
AMOUNT	Particulars		AMOUNT	AMOUNT	Particulars	AMOUNT
2,56,693.00	To	IAF Membership Fee	-	22,685.00	By	Interest on Savings Bank A/c.
4,35,000.00	To	ASI Awards Function expenses	-	2,25,787.00	By	Interest on Fixed Deposits with SBI
96,495.90	To	Awards ,Gifts & Medals	-			
-	To	IAA Susidiary Office Expenses	10,938.00			
-	To	Printing and Stationery	5,09,980.00	72,42,640.12	By	Excess of Expenditure over Income
-	To	Sponsorship paid	75,005.90			
3,111.12	To	Bank Charges	590.30			
17,160.00	To	Salary	-			
17,700.00	To	Audit Fees	-			
		Provision for doubtful recovery				
66,46,456.50	To		18,092.00			
13,791.00	To	Travelling Expenses	-			
88.50	To	Office Expenses	-			
4,616.10	To	Depreciation	10,735.42			
			-			
74,91,112.12	<b>TOTAL</b>		6,25,341.62	74,91,112.12	<b>TOTAL</b>	
For Astronautical Society of India						
 President	 Executive Secretary	 Treasurer	As per our report of even date attached For Phillips Cherian & Associates Chartered Accountants(FR No. 002649S)			
Place: Bangalore			 Phillips K Cherian Partner (M.No:022461)			
Date:						






Draft



## Annual Report (2017-21)

<b>ASTRONAUTICAL SOCIETY OF INDIA</b> Reg. office : ISRO Satellite Center ,Old Airport Road, Vimanapura Post ,Bangalore - 560017 RECEIPTS AND PAYMENTS ACCOUNT FOR THE PERIOD ENDED 15.07.2019					
Previous Year	RECEIPTS	Current Year	Previous Year	PAYMENTS	Current Year
AMOUNT	Particulars		AMOUNT	Particulars	AMOUNT
14,84,471.22	To Opening Balances : SB A/c in SBI ,ISRO Branch Cash.	2,13,945.20	3,111.12	By Bank Charges-SBI	590.30
22,685.00	To Interest on SB A/c. with SBI	11,964.00	-	By IAA Susidiary Office Expenses	10,938.00
2,25,787.00	To Interest on Fixed Deposit	-	34,320.00	By Printing & Stationery	5,09,980.00
4,61,830.00	To ISRO Grant Received	-	13,791.00	By Salary	-
55,01,108.00	To Fixed Deposit A/c Closure Receipts	36,04,331.00	88.50	By Travelling Expenses	-
4,020.00	To Sundry Creditors.	-	4,35,000.00	By Office Expenses	-
			36,495.90	By ASI Awards Function expenses	-
			66,46,456.50	By Awards ,Gifts & Medala	-
			2,56,693.00	By Recovery of amount withdrawn fraudulently from bank	18,092.00
			-	By IAF Membership Fee	-
			-	By Sponsorship paid	75,005.90
			2,13,945.20	By Advance for IAA-ISRO-ASI Conference	5,00,000.00
				By Capital Expenses	
				Furniture and Fixtures	1,95,000.00
				By Closing Balance	
				Saving Bank A/c in SBI, ISRO Branch	-
				SBI- Current A/c-38605738348	25,20,634.00
76,99,901.22	<b>TOTAL</b>	38,30,240.20	76,99,901.22	<b>TOTAL</b>	38,30,240.20

<p style="text-align: center;">For Astronautical Society of India</p> <div style="display: flex; justify-content: space-between;"> <div style="text-align: center;">                   President                  Place: Bangalore                  Date:             </div> <div style="text-align: center;">                   Executive Secretary             </div> <div style="text-align: center;">                   Treasurer             </div> </div>	<p>As per our report of even date attached                  For Phillips Cherian &amp; Associates                  Chartered Accountants (FR.No. 002649S)</p> <div style="text-align: right;">                   Phillips K Cherian                  Partner (M.No:02246)             </div> <div style="text-align: right; margin-top: 10px;">  </div>
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## Annual Report (2017-21)

<b>ASTRONAUTICAL SOCIETY OF INDIA</b> Reg. office : ISRO Satellite Center ,Old Airport Road Vimanapura Post ,Bangalore - 560017 BALANCE SHEET AS AT 31.03.2020								
Previous Year	LIABILITIES		Current Year	Previous Year	ASSETS		Current Year	Previous Year
AMOUNT	Particulars	AMOUNT	AMOUNT	AMOUNT	Particulars	AMOUNT	AMOUNT	
25,52,645.32	<b>General Fund</b>				<b>Property, Plant and Equipment</b>			
	As per last Balance Sheet	25,52,645.32			Furniture and Fixtures			
	Add Excess of Income over Expenditure	1,62,23,203.75	1,87,75,849.07	607.61	As per last Balance Sheet	607.61		
					Add Additions for the year	1,95,000.00		
					Less :Depreciation for the year	19,560.76		1,76,046.85
2,00,000.00	<b>Gold Medal Corpus Fund</b>		2,00,000.00		Computers			
	As per last Balance Sheet			1,876.84	As per Last Balance Sheet	1,876.84		
6,34,286.00	<b>Life Membership For Fund</b>				Add Additions for the year	-		
	As per last Balance Sheet	6,34,286.00			Less :Depreciation for the year	750.74		1,126.10
	Add Additions during the year	52,500.00	6,86,786.00					
8,33,830.00	<b>Conference Fund Reserve</b>		8,33,830.00	3,621.68	Printer - HP Deskjet 3545	3,621.68		
	As per last Balance Sheet				Less :Depreciation for the year	1,448.67		2,173.01
					Conference Website & software			
				3,929.99	As per Last Balance Sheet	3,929.99		
1,21,629.00	<b>Outstanding Expenses</b>				Less :Depreciation for the year	1,573.00		2,357.99
	1. Audit fees payable	69,429.00						
6,030.00	2. Sundry Creditors	6,030.00	75,459.00	32,04,642.00	Fixed Deposits with SBI,ISRO Branch	-		
				3,99,689.00	Interest accrued on Deposits	-		
					IAA-ISRO-ASI-SYMPOSIUM CONFERENCE			1,50,00,000.00
					TDS Receivable			8,01,905.00
				5,20,108.00	Advance Recoverable- Suspense Account			
					withdrawn from bank	29,65,928.50		
					Less: Provision for doubtful recovery	29,65,928.50		
					<b>Cash &amp; bank balances:</b>			
				2,13,945.20	Savings Bank a/c in SBI ,ISRO Branch			
					SBI- Current A/c-38605738348			45,88,315.11
43,48,420.32	<b>TOTAL</b>		<b>2,05,71,924.07</b>	43,48,420.32	<b>TOTAL</b>		<b>2,05,71,924.07</b>	

For Astronautical Society of India

President

Executive Secretary

Treasurer

Place: Bangalore  
Date:

As per our report of even date reached  
For Philips Cherian & Associates  
Chartered Accountants (FR No. 002649S)


Philips K Cherian  
 Partner (M.No 022461)  
 UDIN: 20022461AAAAJC4066





## Annual Report (2017-21)

<b>ASTRONAUTICAL SOCIETY OF INDIA</b>							
Reg. office : ISRO Satellite Center ,Old Airport Road Vimanapura Post ,Bangalore - 560017							
INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31.03.2020							
Previous Year	EXPENDITURE		Current Year	Previous Year	INCOME		
AMOUNT	Particulars		AMOUNT	AMOUNT	Particulars	AMOUNT	
2,56,693.00	To	IAF Membership Fee	3,54,138.00	22,685.00	By	Interest on Savings Bank A/c.	11,964.00
4,35,000.00	To	ASI Awards Function expenses	79,978.00		By	Sponsorship Fees-Symposium Conference	2,81,797.00
96,495.90	To	Awards ,Gifts & Medals	-		By	Grant From ISRO	1,50,00,000.00
-	To	IAA Subsidiary Office Expenses	10,938.00	2,25,787.00	By	Interest on Fixed Deposits	-
-	To	Printing and Stationery	30,84,522.00		By	Recovery of Doubtful Debts	49,19,025.00
-	To	Sponsorship paid	75,005.90				
3,111.12	To	Bank Charges	5,108.19				
17,160.00	To	Salary	42,518.00				
17,700.00	To	Audit Fees	47,200.00	72,42,640.12	By	Excess of Expenditure over Income	-
66,46,456.50	To	Provision for doubtful recovery	18,092.00				
13,791.00	To	Travelling Expenses	1,72,866.00				
88.50	To	Office Expenses	-				
-	To	Telephone Charges	1,379.00				
-	To	Website Maintenance & Registration	27,325.00				
-	To	Office Rent	7,910.00				
-	To	Professional Charges	39,270.00				
4,616.10	To	Depreciation	23,332.17				
-	To	Excess of Income over Expenditure	1,62,23,203.75				
<b>74,91,112.12</b>		<b>TOTAL</b>	<b>2,02,12,786.00</b>	<b>74,91,112.12</b>		<b>TOTAL</b>	<b>2,02,12,786.00</b>

For Astronautical Society of India



  
 President

  
 Executive Secretary

  
 Treasurer

Place: Bangalore  
Date:

As per our report of even date attached  
For Philips Cherian & Associates  
Chartered Accountants (FR No. 002649S)


Philips K Cherian  
Partner (M.No:022461)  
UDIN:20022461AAAAGC4066




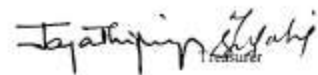
## Annual Report (2017-21)

<b>ASTRONAUTICAL SOCIETY OF INDIA</b> Reg. office : ISRO Satellite Center ,Old Airport Road, Vimanapura Post ,Bangalore - 560017 <b>RECEIPTS AND PAYMENTS ACCOUNT FOR THE PERIOD ENDED 31.03.2020</b>						
Previous Year	RECEIPTS		Current Year	PAYMENTS		Current Year
AMOUNT	Particulars		AMOUNT	Particulars		AMOUNT
14,84,471.22	To	Opening Balances : SB A/C in SBI ,ISRO Branch	2,13,945.20	By	Bank Charges-SBI	5,108.19
22,685.00	To	Interest on SB A/c. with SBI	11,964.00	By	IAA Subsidiary Office Expenses	10,938.00
2,25,787.00	To	Interest on Fixed Deposit	3,99,689.00	By	Printing & Stationery	30,84,522.00
4,61,830.00	To	ISRO Grant Received	1,50,00,000.00	By	Salary	42,518.00
55,01,108.00	To	Fixed Deposit A/c Closure Receipts	32,04,642.00	By	Telephone Charges	1,379.00
4,020.00	To	Sundry Creditors	-	By	Travelling Expenses	1,72,866.00
-	To	Recovery of amount withdrawn fraudulently from bank	49,19,025.00	By	Office Expenses	-
-	To	Life Membership Fees	52,500.00	By	Website Maintenance & Registration	27,325.00
				By	Office Rent	7,910.00
				By	ASI Awards Function expenses	79,978.00
				By	Awards ,Gifts & Medals	-
				By	IAF Membership Fee	3,54,138.00
				By	Provision for Amount Withdrawn Fraudulently	18,092.00
				By	Sponsorship paid	75,005.90
				By	Professional Charges	39,270.00
				By	Audit fee	99,400.00
				By	<b>Capital Expenses</b>	
					Furniture and Fixtures	1,95,000.00
				By	IAA-ISRO-ASI-SYMPOSIUM CONFERENCE-2020	1,50,00,000.00
				By	Closing Balance	
					Saving Bank A/c in SBI,ISRO Branch	-
					SBI- Current A/c-38605738348	45,88,715.11
76,99,901.22		<b>TOTAL</b>	<b>2,38,01,765.20</b>		<b>TOTAL</b>	<b>2,38,01,765.20</b>

For Astronautical Society of India


  
 President


  
 Executive Secretary

  
 Treasurer

Place: Bangalore  
Date:

As per our report of even date attached  
For Philips Cherian & Associates  
Chartered Accountants (R.No. 0026495)

  
 Philips K Cherian  
 Partner (M.No:022461)  
 UDIN:20022461AAAAGC4066





## Annual Report (2017-21)

<b>ASTRONAUTICAL SOCIETY OF INDIA</b> Reg. office : ISRO Satellite Center, Old Airport Road Vimanapura Post, Bangalore - 560017 BALANCE SHEET AS AT 31.03.2021							
Previous Year AMOUNT	LIABILITIES Particulars	AMOUNT	Current Year AMOUNT	Previous Year AMOUNT	ASSETS Particulars	Current Year AMOUNT	Previous Year AMOUNT
1,87,75,849.07	<b>General Fund</b> As per last Balance Sheet Less: Excess of Expenditure over Income	1,87,75,849.07 -29,00,998.64	1,58,74,850.43	1,76,046.86	<b>Property, Plant and Equipment</b> Furniture and Fixtures As per last Balance Sheet Less: Depreciation for the year	1,76,046.86 17,604.69	1,58,442.17
2,00,000.00	<b>Gold Medal Corpus Fund</b> As per last Balance Sheet	-	2,00,000.00	1,126.10	Computers As per Last Balance Sheet Less: Depreciation for the year	1,126.10 450.44	675.66
6,86,786.00	<b>Life Membership Fee Fund</b> As per last Balance Sheet Add: Additions during the year	6,86,786.00 16,800.00	7,03,586.00	2,173.01	Printer - HP Deskjet 3545 Less: Depreciation for the year	2,173.01 869.20	1,303.81
-	<b>Fellow Membership Fee Fund</b> As per last Balance Sheet Add: Additions during the year	- 12,400.00	12,400.00	2,357.99	Conference Website & software As per Last Balance Sheet Less: Depreciation for the year	2,357.99 943.20	1,414.79
8,33,830.00	<b>Conference Fund Reserve</b> As per last Balance Sheet	-	8,33,830.00	-	<b>Current Assets:</b> Fixed Deposits with SBI, ISRO Branch Interest accrued on Deposits	-	1,64,00,000.00 2,90,933.00
69,429.00	<b>Outstanding Expenses</b> 1. Audit fees payable	69,429.00	-	1500000	IAA-ISRO-ASI-SYMPOSIUM CONFERENCE	-	-
6,050.00	2. Sanitary Creditors	6,050.00	75,459.00	8,01,905.00	TDS Receivable	-	8,29,643.00
-		-	-	-	<b>Advance Recoverable- Suspense Account</b> Recovery from Accountant of Money Fraudulently withdrawn from bank Less: Provision for doubtful recovery	29,65,928.50 29,65,928.50	-
-		-	-	45,88,315.11	<b>Cash &amp; bank balances:</b> SBI- Current A/c-38605738348	-	17,713.00
2,05,71,924.07	<b>TOTAL</b>	-	1,77,00,125.43	2,05,71,924.07	<b>TOTAL</b>	-	1,77,00,125.43
For Astronautical Society of India				As per our report of even date attached For Philips Cherian & Associates Chartered Accountants (FR No. 0026495)			
President	Executive Secretary	Treasurer		Philips K. Cherian Partner (M.No.022461) UDIN:			
Place: Bangalore							
Date:							



## Annual Report (2017-21)

<b>ASTRONAUTICAL SOCIETY OF INDIA</b> Reg. office : ISRO Satellite Center ,Old Airport Road Vimanapura Post ,Bangalore - 560017 <b>INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31.03.2021</b>						
Previous Year	EXPENDITURE		Current Year	Previous Year	INCOME	
AMOUNT	Particulars	AMOUNT	AMOUNT	AMOUNT	Particulars	Current Year
						AMOUNT
3,54,138.00	To IAF Membership Fee	1,49,238.00	11,964.00	By Interest on Savings Bank A/c		-
79,978.00	To ASI Awards Function expenses	-	2,81,797.00	By Sponsorship Fees-Symposium Conference		-
-	To Honorarium	4,000.00	1,50,00,000.00	By Grant From ISRO		-
10,938.00	To IAA Susidiary Office Expenses	1,235.00	-	By Interest on Fixed Deposits		8,60,459.61
30,84,522.00	To Printing and Stationery	2,62,046.00	49,19,025.00	By Recovery of Doubtful Debts		-
75,005.90	To Sponsorship paid	-				
5,108.18	To Bank Charges	649.00				
42,518.00	To Salary	3,61,302.00				
47,200.00	To Audit Fees	47,200.00		By Excess of Expenditure over Income		29,00,998.64
18,092.00	To Provision for doubtful recovery	-				
1,72,866.00	To Travelling Expenses	17,938.00				
1,379.00	To Telephone Charges	-				
27,325.00	To Website Maintenance & Registration	35,344.72				
7,910.00	To Office Rent	9,492.00				
39,270.00	To Professional Charges	37,700.00				
	To IAA-ISRO-ASI-Symposium Conference Expenses	28,15,446.00				
23,332.17	To Depreciation	19,867.53				
1,62,23,203.75	To Excess of Income over Expenditure	-				
<b>2,02,12,786.00</b>	<b>TOTAL</b>	<b>37,61,458.25</b>	<b>2,02,12,786.00</b>	<b>TOTAL</b>		<b>37,61,458.25</b>
For Astronautical Society of India						
				As per our report of even date attached For Philips Cherian & Associates Chartered Accountants(FR.No. 0026495)		
President	Executive Secretary	Treasurer		Philips K. Cherian Partner (M.No:022461) UDIN:		
Place: Bangalore						
Date:						



## Annual Report (2017-21)

<b>ASTRONAUTICAL SOCIETY OF INDIA</b>						
Reg. office : ISRO Satellite Center ,Old Airport Road, Vimanapura Post ,Bangalore - 560017						
RECEIPTS AND PAYMENTS ACCOUNT FOR THE PERIOD ENDED 31.03.2021						
Previous Year	RECEIPTS		Current Year	Previous Year	PAYMENTS	
AMOUNT			AMOUNT			AMOUNT
	To	Opening Balances :		By	Bank Charges-SBI	649.00
2,13,945.20		SB A/C in SBI ,ISRO Branch	45,88,315.11	By	IAA Subsidiary Office Expenses	1,235.00
				By	Printing & Stationery	2,62,046.00
				By	Salary	3,61,302.00
11,964.00	To	Interest on SB A/c. with SBI	-	By	Telephone Charges	-
				By	Travelling Expenses	17,938.00
3,99,689.00	To	Interest on Fixed Deposit	5,41,788.61	By	Honorarium	4,000.00
				By	Website Maintenance & Registration	35,344.72
1,50,00,000.00	To	ISRO Grant Received	-	By	Office Rent	9,492.00
				By	ASI Awards Function expenses	-
32,04,642.00	To	Fixed Deposit A/c Closure Receipts	-	By	Awards ,Gifts & Medals	-
				By	IAF Membership Fee	1,49,238.00
-	To	Sundry Creditors	-	By	Provision for Amount Withdrawn Fraudulently	-
49,19,025.00	To	Recovery of amount withdrawn fraudulently from bank	-	By	Sponsorship paid	-
				By	Professional Charges	37,700.00
32,500.00	To	Life Membership Fees	16,800.00	By	Audit fee	47,200.00
	To	Fellow Membership Fees	12,400.00			-
	To	IAA-ISRO-ASI-SYMPOSIUM CONFERENCE-2020	1,21,84,554.00	By	IAA-ISRO-ASI-SYMPOSIUM CONFERENCE-2020	-
				By	Closing Balance	
					Fixed Deposits with SBI,ISRO Branch	1,64,00,000.00
					SBI- Current A/c-38605738348	17,713.00
2,38,01,765.20		<b>TOTAL</b>	1,73,43,857.72		<b>TOTAL</b>	1,73,43,857.72

<p>For Astronautical Society of India</p>  <p>President                      Executive Secretary                      Treasurer</p> <p>Place: Bangalore</p> <p>Date:</p>	<p>As per our report of even date attached</p> <p>For Philips Cherian &amp; Associates Chartered Accountants(R.No. 0026495)</p> <p>Philips K Cherian Partner (M.No:022461)</p> <p>UDN:</p>
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## Annual Report (2017-21)

<b>ASTRONAUTICAL SOCIETY OF INDIA</b>							
Reg. office : ISRO Satellite Center ,Old Airport Road, Vimanapura Post ,Bangalore - 560017							
RECEIPTS AND PAYMENTS ACCOUNT FOR THE PERIOD 01.04.2021 to 02.08.2021							
Previous Year	RECEIPTS		Current Year	Previous Year	PAYMENTS		
AMOUNT	Particulars		AMOUNT	Particulars		AMOUNT	
45,88,315.11	To	Opening Balances : SB A/C in SBI ,ISRO Branch	17,713.00	649.00	By	Bank Charges-SBI	-
		Fixed Deposits with SBLISRO Branch	1,64,00,000.00	1,235.00	By	IAA Subsidiary Office Expenses	-
5,41,788.61	To	Interest on Fixed Deposit	11,75,710.00	2,62,046.00	By	Printing & Stationery	6,02,436.00
16,800.00	To	Life Membership Fees	6,300.00	3,61,302.00	By	Salary	1,65,000.00
12,400.00	To	Fellow Membership Fees	12,500.00	17,918.00	By	Travelling Expenses	-
1,21,84,554.00	To	IAA-ISRO-ASI-SYMPOSIUM CONFERENCE-2020	-	4,000.00	By	Honorarium	-
				35,344.72	By	Website Maintenance & Registration	-
				9,492.00	By	Office Rent	-
				-	By	Awards ,Gifts & Medals	2,30,000.00
				1,49,238.00	By	LAF Membership Fee	2,04,238.00
				37,700.00	By	Professional Charges	-
				47,200.00	By	Audit fee	-
				-	By	Closing Balance	-
				1,64,00,000.00		Fixed Deposits with SBLISRO Branch	1,64,00,000.00
				17,713.00		SBI- Current A/c-38605738348	10,549.00
1,73,43,857.72		<b>TOTAL</b>	<b>1,76,12,223.00</b>	1,73,43,837.72		<b>TOTAL</b>	<b>1,76,12,223.00</b>
For Astronautical Society of India				As per our report of even date attached For Philips Cherian & Associates Chartered Accountants(R.No. 002649S)			
President	Executive Secretary	Treasurer		Philips K Cherian Partner (M.No:022461)			
Place: Bangalore				UDN:			
Date:							

Draft