

BULLETIN

Vol. XXXXIV No. 1-9

September - 2019

For Private Circulation Only

FELICITATION OF SHRI KIRTILAL K. DOSHI AND RELEASE OF BOOK ON GEMSTONES & DIAMOND



Shri Kirtibhai being welcomed by Shri Arvindbhai and Shri. Kirti Das Gem & Jewellery Exporters' Association (GJEA) one of the pioneer organizations in the Gem & Jewellery Industry in India organized a glittering function to honor Shri Kirtilal K. Doshi, a founder Member and past President of GJEA, who is a living legend. The function was held at MCA, the Lounge, Wankhede Stadium, Churchgate, Mumbai, on Friday, the 14th June, 2019.

The function commenced with a music program presented by Avishkar group. The audience enjoyed popular Gujarati and Hindi songs for over an hour.

Shri Seventilal P. Shah, Partner, Venus Jewel, was the Chief Guest and Arunkumar R. Mehta, Chairman, Rosy Blue (I) Pvt. Ltd. was Guest of Honor. Dr. AVR Reddy, Chief Coordinator, GII, introduced dignitaries Shri Kirtilal K. Doshi, Shri Seventilal Shah, Shri Arunkumar Mehta, Shri Arvind C. Parikh, President GJEA and Shri Navin Jasnani, Vice President, GJEA.

Shri Arvind C. Parikh in his welcome address briefly narrated the contributions of Shri Kirtibhai, Shri Seventibhai and Shri Arunbhai to the industry. Dr. Reddy thereafter introduced Shri Arunbhai and his immense support to the diamond Industry. Then Shri Arvindbhai honored Shri Arunbhai with a bouquet and a shawl. GJEA had published a book on evaluation of colour stones and diamonds which was released by Shri Arunbhai. Later Shri Arunbhai spoke about his journey into the business and his association



Shri Arvindbhai presents a shawl to Shri Arunbhai



BULLETIN

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Gem & Jewellery Exporters' Association
Diamond Exporters' Association Ltd.

- Gemmological Institute of India
- Forum of Indian Gemologists

with Shri Kirtibhai from his early days of his career.

Dr. Reddy made a brief introduction of Shri Seventibhai and highlighted the finer points of his organizational ability, management skills, high precision and reliability of diamonds manufactured at his factory Venus Jewel and also his social and philanthropic activities. Then Shri Arvindbhai honored Shri Seventibhai with a bouquet and a shawl. Later Shri Seventibhai in his speech narrated his



Release of Book on Gemstones and Diamond by Shri. Arunbhai

memorable experience in the industry and his association with Shri Kirtibhai.

Thereafter Dr. Reddy spoke about the milestones in the life of Shri Kirtibhai, a multifaceted genius of the gem & jewellery industry. He was the pioneer of coloured stones and diamond trade in India. He was the first in India to start diamond cutting and polishing using modern laser technology. He founded Shrenuj group with a foot-print across 15 countries. He is a founder of Gem & Jewellery Exporters' Association and Gemmological Institute of India (GII). Being, a philanthropist to the core, he is associated with a number of public charitable trusts and educational institutions. He has published seven volumes in English and Gujarati containing quotes and wisdom of words collected by him over five decades.

Shri Seventibhai honored Shri Kirtibhai with a bouquet, shawl and a memento of silver plaque presented by GJEA. Shri Kirtibhai gave a

thanks giving speech by remembering all the stalwarts of the industry associated with him and his own tryst with industry and educational institutions.



Dignitaries on the dias with a copy of the released book

Shri Rajendrabhai Shah, other living legend was remembered by enumerating his contributions to the trade in general and formation of GJEA and GII in particular. Dr. Reddy described Shri Kirtibhai and Shri Rajendrabhai as Bhisma & Dronacharya of industry respectively.

Vote of thanks was given by Shri Navin Jasnani who appreciated invaluable guidance given by Shri Kirtibhai to the gem and jewellery trade and industry as a pole star. He also thanked the co-operation of the Members and the Managing Committee Members of GJEA, business community and staff of GII in organizing the function.

The guests dispersed after dinner at the venue.



Shri. Arunbhai delivering his speech.

WELCOME SPEECH BY SHRI ARVINDBHAI



Respected Shri Kirtibhai, Seventibhai, Arunbhai, Rajendrabhai, my colleagues, associates and friends,

It is my privilege to welcome you all to this august function where we have gathered to felicitate one of the architects of the Indian gem and jewellery industry. He was one of the pioneers of exporting colored stones and polished diamonds from India. He was a visionary and to keep himself abreast of changing times he along with his son Shreyas was instrumental in bringing to India for the first time laser technology for cutting diamonds. He was also concerned with gem stones industry as a whole and founded Gem & Jewellery Exporters' Association (GJEA). This Association helped the color stone industry by getting several amendments in various legislation. GJEA introduced professionalism in

trade and thus Gemmological Institute of India (GII) was born. GII undertakes gemmology courses in gem testing and diamond grading. It has a research centre recognized by the Government of India. It is also maintaining a gem and diamond testing laboratory with the most modern equipments. Kirtibhai was a founder of Gem and Jewellery Export Promotion Council and was its Chairman in 1971 and served on the working committee of the Council for 17 years.

GJEA has also published a Book on Gem stones and diamond which will be released shortly from now. This book will prove to be a buying guide for all consumers of gem stones and diamond.

We may now proceed to honor Shri Kiritibhai and welcome our Chief Guest and Guest of Honour.

ABOUT THE CHIEF GUEST, SHRI SEVENTILAL SHAH



Shri Arvindbhai honoring Shri Sevantibhai with a shawl

Seventilal Premchand Shah is a great persona with matching organisational ability and management skills. Due to perseverance and will power, Shri Sevantibhai could guide manufacturing of costly and big size superior cut diamonds in India, otherwise until then only big diamonds processed in Belgium and Israel were used in India. Superior cutting, latest technology and maximum use of computerization have made Venus Jewel, a torch bearer in the Indian diamond industry. Due to high precision and reliability of diamonds manufactured by Venus grading system, they are ordered by overseas customers on internet. A trait he has inculcated among his cutters. Besides, he demonstrated by example the importance of focus, managing within



Shri Sevantibhai being presented a bouquet.

oneself, collective learning, self-respect and dedication. All these qualities percolated down to all levels of his employees. So much so, his workers, nay, colleagues did not even notice when Hon. Prime Minister, Shri Narendra Modi visited his factory. Honorable PM was not only impressed but also appreciated single-mindedness of workers. Diamond Trading Company offered a sight for small sized goods that has high premium. Shri Sevantibhai refused the offer saying that he is not a dealer



Shri Sevantibhai delivering a speech.

but a manufacturer. They ultimately gave him big size diamonds for cutting. This demonstrates self-confidence, self-respect, clear objectives and vision and make in India initiatives of Shri Sevantibhai.

Shri Sevantibhai is a philanthropist and contributed to various causes. He reconstructed and modernised a hospital in Surat in the name of Smt. Rasilaben Seventilal Shah Venus Hospital by spending about Rs. 50 crores and the hospital was inaugurated by Hon. Prime Minister Shri Narendra Modi.

He is a Trustee in several reputed Trusts in Gujarat and Managing Committee Member in education societies and chambers of commerce.

SHRI KIRTILAL K. DOSHI, A LIVING LEGEND



Shri Arvindbhai honoring Shri Kirtibhai with a shawl

Shri Kirtilal Doshi was born on October 12, in the year 1922, in Palanpur, a remote village of North Gujarat.

He was always an avid reader and a scholar throughout his academic career. As a child and young adult Kirtilal had been a voracious reader and built a library of his own consisting of over 1000 books which have by now been donated to various libraries across the country.

He graduated with Honors in Economics from the Elphinstone College, but his patriotism led him to choose to discontinue his studies in economics and law in 1942, so that he could join India's freedom struggle. Soon after he joined his family business of gems which at that time represented Valensa & Co., Antwerp.

In the year 1942 at the tender age of 20 Kirtilal Kalidas Doshi stepped into his father's shoes and started importing polished diamonds into India, under the company Kirtilal K. Doshi & Co.

With the intent to backward integration, by 1956 he also started importing rough diamonds to India thus pioneering the imports of rough diamonds to India and after cutting and polishing, he exported them across continents.

Thus began a life-long journey, a quest to be the best in the gemstones industry.

Not only is Kirtilal a man on a mission, but a man with tremendous vision!!.....A vision and

dream to put India on the world map of the gemstone business. He soon envisaged the rising need of coloured gemstones across the world and India's potential in this precious stones business.

Kirtilal grabbed the business opportunity and with extensive and widespread travel capitalized and developed his diamonds and precious stones business. This ambition propelled enormous growth for his company through the development and promotion of diamonds in the country.

Kirtilal Doshi's vision was to see India on the world map of the gemstone business. He visualized the immense scope and rising demand for coloured gemstone in the world and also the potential that India has in the precious stones business.

Thus, to promote the import and export of precious stones in India, the "Precious Stone Importers & Exporters Association" was established in 1955 with assistance from stalwarts like Bhogilal K. Patel, Pravin M. Nanavati, Padmakant H. Zaveri, Pransukhlal Dhayalal Mankanjee to mention a few.

The establishment of this Association was the beginning of Kirtilal's dedication to the service of the Gem & Jewellery Industry of India.

For over 60 years Shri Kirtilal Doshi has been actively involved in guiding this trade body. He was the Hon. Secretary till 1967 and since then till 2016 he was the President of the Association.

In the late 1950's and early 1960's, the Government of India sought Kirtilal Doshi's assistance in framing the import export policy for gemstones.

Kirtilal Doshi was instrumental in formation of the "Gem & Jewellery Export Promotion Council" in 1963, yet another major contribution and achievement by him for our industry. He was elected as the Chairman of the Council in 1971.

Kirtibhai was appointed by Central and State



Shri Kirtibhai being presented a bouquet

Governments as a member on various committees for nearly two decades. He had served as a member of the elite panel of customs valuation for diamonds and coloured stones and also Expert Advisory Committee for Gem & Jewellery by the Government of India.

Kirtilal K. Doshi laid the foundation of Shrenuj & Co. in 1982. Shrenuj & Co. Ltd. is one of the first few public limited companies in the Diamond Sector and is one of the leading diamond and jewellery manufacturing companies in the world.

In 1965 some of the young enthusiastic and farsighted gem traders like Shri Kirtibhai and other veterans and visionaries like Shri Rajendrabhai Shah, Shri Himmatbhai Jhaveri, Late Shri Padmakant Jhaveri and Late Shri Pravin M. Nanavati among others decided to establish an educational institution for the study of gemology in India. Finally in 1971, under the dynamic leadership of Shri Kirtilal Doshi, their dream of setting up a Gemological institute in the country turned reality. Thus was born the Gemological Institute of India or GII.

GII took up the mighty task of overcoming the traditionally restricted Indian markets and educate, enable and empower its students to accept a scientific approach to working in the gemstones industry using the latest globally accepted best practices.

From its humble beginnings, GII grew from strength to strength and today boasts of all the latest gemstone instruments in the world and

the best faculty and resources who have found success in the Indian gem industry.

Thus the dream once conceived by Kirtilal Doshi has not just taken full flight, but soaring and reaching new heights.

Kirtibhai is a philanthropist to the core. He is associated with number of public charitable trusts and educational institutions and other CSR activities.

He was the Chairman of Mahavir Jain Vidyalyaya, a 97 year old educational institution.



Shri Sevantibhai honoring Shri Kirtibhai with a memento of silver plaque

He contributed to the cause of education in Jainism by setting up Kalidas Sankalchand Jain academy at Maharaja Sayajirao University in Vadodra.

He even donated generously to National Centre for Performing Arts (NCPA) in Mumbai and the Shankar Nethrayala in Chennai.

He also contributed to GIA and is on the list of their "League of Honour".



Dignitaries on the dias felicitate Shri Kirtibhai.

He was the Trustee of the Palanpur Jain Kelvani Fund, Shri Jain Bhojanshala, Shri Vadil Vishranti Grah and Diwalibai & Kalidas Sankalchand Doshi Public Charitable Trust.

He has sprung into assistance for many fund-raising projects for flood and famine relief and other humanitarian causes.

Kirtilal is a lifetime trustee of the Precious Stones Importers and Exporters Association Relief Fund which was set up to serve the nation at a time when the country's industry was threatened by foreign forces like China and Pakistan. Kirtilal with his colleagues and friends was instrumental in setting up a House for the aged in Palanpur.

In spite of all his multifarious activities he has found time to join the Rotary movement.

- He was the pioneer of coloured stones and diamonds trade in India.
- Founder of Shrenuj Group with a foot-print across 15 countries.
- One of the founders of Gem & Jewellery Exporters' Association (GJEA) and Gemmological Institute of India (GII).
- He is among the first few Indians who travelled extensively across the globe developing diamond exports from India.
- Kirtilal was the first in India to start diamond cutting and polishing using modern laser technology.
- He has also published seven volumes in English and Gujarati containing quotes and wisdom of words collected by him over five decades.



Shri Arvindbhai presenting the book to Shri Kirtibhai

To summarise Shri Kirtilal Doshi's major lifetime achievements....



Shri Kirtibhai greeted by Shri Sevantibhai

Shri Kirtilal Doshi, you will continue to reign supreme in our hearts as among the Pioneers of the Gem and Jewellery Industry in India.

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SHRI ARUN KUMAR MEHTA, GUEST OF HONOR



Arvindbhai being presented a bouquet

Shri Arunkumar Mehta is a pioneer and his contribution to the Diamond Industry is immense. He is the Founder and senior most Director of Rosy Blue and B. Arunkumar Group of Companies.

He and his partners turned this company into a

major international operator in just over two decades. This reflects his leadership, entrepreneurship and acumen for trading. He converted a mere partnership firm into a large global corporate company which demonstrates his zeal, vigor and dynamism.

Until recently, he was a working member of several institutions engaged in the promotion of gem and jewellery trade.

He has contributed towards training youngsters in diamond business like his father. Trainees of B. Arunkumar / Rosy Blue are by & large successful entrepreneurs in their life.

He and his family are actively involved in philanthropic activities like schools, colleges and hospitals. He always stands for good cause and the upliftment of the needy and poor.

VOTE OF THANKS BY SHRI NAVIN JASNANI



Respected Shri Kirtibhai, our most valued invited guests, ladies and gentlemen,

It is my privilege to propose a vote of thanks on this august occasion.

I, on behalf of Gem & Jewellery Exporters' Association extend a hearty vote of thanks to Shri Kirtibhai, for permitting us to honour him for his immense contribution to Gem & Jewellery industry and in formation of GJEA and GII. It is heartening to see him guiding the trade fraternity at a ripe age.

We are also thankful to Shri Seventibhai and Shri Arunbhai in taking out time from their busy

schedule for presiding at the function as our esteemed guests.

I also take this opportunity to thank the following Committee Members/members of the GJEA for rendering their special support for the success of this function.

1. Shri Arvindbhai C. Parikh
2. Shri Bhaghvatibhai V. Patel
3. Shri Nitinbhai K. Pachchigar
4. Shri Vinaybhai Patel
5. Shri Rameshbhai Patel
6. Shri Pradeephai Patel
7. Shri Kalpeshbhai Patel
8. Shri Keshavlal F. Gandhi

Last but not the least, we would like to take on record the valuable contributions made by Late K.T. Ramchandran in initiating the holding of this function and also in publication of the book on gemstones and diamond which was just released.

Once again I thank you all for your support and request you to join us for dinner.

Gem and Jewellery institutes coming together under one umbrella to form Asia-Pacific Gemstone and Technology Standardisation Alliance (AGA).

National Gem Testing Center (NGTC) organised a half day seminar FORUM Win-Win Meeting during the Hong Kong International Jewellery Show in Wanchai, Hong Kong. CIBJO, GIT, GII, CGL, DFHK, GHK and HKIG were co-organisers. In this half day open Forum meeting Win-Win, Shri Bakul R Mehta, Chairman, GII delivered an invited talk on current challenges of International Jewellery Trade and way forward.



Shri Bakul R. Mehta delivering an invited talk in the Win-Win

After explaining the current concerns of the market with the inevitable entry of synthetic diamonds and coloured gemstones, he emphasised the need for harmonised protocols and standardisation of testing laboratories to provide consumer with reliable results which will enhance the confidence of the consumer for investment in jewellery. Dr. M.D. Sastry, as a panelist explained various aspects of determining colour origin and need for using instrumental detection methods to differentiate natural diamonds from simulants. Five other invited speakers from different institutes presented their views related to trade concerns, challenges, barriers, need for standards and, importance of QA/QC particularly harmonisation of protocols & standardisation of laboratories. After the meeting, Joint Statement for Establishing the AGA was signed

by QA/QC personnel of NGTC, GII, GIT and CGE in the august presence of Directors or chairmen of all the four institutes. Dr. A.V.R. Reddy signed the Joint Statement on behalf of GII. Signing of the joint statement is the culmination of a series of bilateral meetings, since 2017, between GII, a project of GJEPC, Mumbai and National Gem Testing Center (NGTC), China. Text of the draft statement was prepared by NGTC and GII gave its inputs during a dinner meeting in which members from GIT, Thailand and CGE, China participated.



Display of signed Joint statement of AGA

In the side lines of this meeting, a bilateral meeting between Gemmological Institute of India (GII), Mumbai and National Gem Testing Center (NGTC), China was organised in the GJEPC booth, HK Convention center, Wan Chai. In this meeting under the leadership of Mr. Bakul Mehta, GII and Mr. Liang Zhenjie, NGTC, progress made so far was reviewed. Discussions centered around exchange of technical expertise, planning exchange of teachers and identifying areas that need urgent attention like technical cooperation for developing and promoting harmonised methods.

Source : Heera Zhavaraat

REPORT ON THE SYMPOSIUM ON ADVANCES IN GEM & DIAMOND DETECTION TECHNOLOGY-2019 (AGDDT-2019)

Held on August 7th & 8th 2019 in BDB & IIJS



Shri P.A. Agarwal, Shri Arvindbhai Parikh and others lighting the lamp.

Gemmological Institute of India (GII) had organized a one and a half day international symposium on the Advances in Gem & Diamond Detection Technology-2019 (AGDDT-2019) during August 7th and 8th, 2019. The symposium was organized to provide a forum for exchanging ideas among scientists, technologists, traders and members of testing laboratories. About 150 members from different backgrounds but connected to Gem and Diamonds actively participated in the deliberations on both the days. Internationally renowned experts from USA, China, Thailand, Switzerland and Belgium participated and gave a world view of the contemporary issues dealing with scientific aspects of diamonds and coloured gem stones. This symposium was unique in bringing the experts on both diamonds and coloured gem stones on the same platform who gave a learned and holistic view of all aspects of diamond, gem stone testing and related issues; the major focus was on laboratory grown diamonds and their detection treatments and colour grading of rubies and sapphires. Highlights were on the detection of synthetic diamonds including natural-synthetic diamond

doublets, matters related to pigeon blood red rubies and Kashmir sapphires.

Day 1 was dedicated for exchanging current information on scientific and technological developments in gems and diamonds in the form of invited talks by internationally renowned experts. Day 2 was dedicated for three panel discussions on trade related issues, QA/QC and Lab standardization and, current state of art of detection and certification methods and methodologies, with experts as panel members.

The symposium was inaugurated by three stalwarts in the trade, Shri Bakul R. Mehta, Chairman, GII, Shri P.A. Agarwal, Chairman, GJEPC and Shri Anoop Mehta, President, BDB. Shri Bakul Mehta emphasized the importance of R&D that benefits society in general and community in particular. He told that development and deployment of QChk machine by GII is one such example. Shri P A Agarwal enumerated various export promotional activities of GJEPC as well as support extended to institutes like GII. Shri Anoop Mehta emphasized importance of developments and need for such symposia for taking the stock of developments and look forward to such meetings periodically. In the beginning Dr. AVR Reddy, Secretary of AGDDT briefly presented the



Members of Board of Trustees, GII present with Chairman, GJEPC

theme of the symposium, after welcoming the guests, and set the context of the symposium.



S/Shri. P.A. Agarwal, Rajendra A. Shah, Anoop Mehta and Bakul Mehta

Dr. Thomas Moses, Senior Vice President of GIA, USA delivered the key note address on contemporary issue of great concern to diamond traders and consumers alike viz., the Laboratory grown diamonds (LGDs) and explained various aspects of Lab grown diamonds right from the beginning and had put in perspective the detection method. In line with the theme of the symposium, Ms. Richa Singh, DPA in her address explained the need and outcome of project assure in which various instruments were evaluated with a predetermined set of measurements. Inaugural session ended with vote of thanks proposed by Shri Arvind Parikh, President, DEAL.



Dr. Thomas Moses



Ms. Richa Singh

First Session of day -1 was focused on Diamond related talks by experts discussing the methodologies followed at well reputed

laboratories on the synthetic diamond detection. The session was chaired by Dr. Wuyi Wang, Vice president (Research) at GIA. Session



Dr. Wuyi Wang



Dr. M.D.Sastry

started with an informative talk on Detection of Laboratory Grown Diamonds (LGDs) : Experiences at GII by Dr. M.D Sastry, GII that was followed by a talk by Dr. Taijin, NGTC, China on Chinese Synthetic Diamonds and the Detection / Identification at NGTC Laboratories. Dr. Dheeraj Jain from BARC spoke on Synthesis of Diamond Films for Technological Applications by CVD Methods. Ms. Ann Van Spaendonk, Belgium explained Latest Scientific Developments regarding Detection Methods for Synthetic Diamonds in HRD. Dr. Wuyi Wang gave an informative talk on Lab grown Fancy-Colored Melee Diamonds and their Identification.



Dr. Dhiraj Jain



Ms. Ann Van Spaendonk

Second Session of Day 1 was focused on Coloured Gemstone related topics and was chaired by Dr. Taijin Lu. Session started with a talk on Effect of Treatment on Lattice Phonon Spectrum in Natural Corundum by Mr. Mahesh Gaonkar, GII. Dr. Cavalieri gave detailed information on Responsible Sourcing in the Coloured Gemstone Sector: The Development of a Harmonised due-Diligence Standard. Dr. Thanong Leelawatanasuk spoke on importance of Colour grading of Pigeon Blood Ruby, Royal Blue & Cornflower Blue Sapphire and their colour grading. He illustrated different aspects

spectral studies for the identification of Kashmir sapphires. Her presentation elegantly demonstrated the role of these techniques in identifying the youngest deposit (i.e of Kashmir) of blue sapphires compared to those from Sri Lanka. It was followed by an informative talk on African Gem Deposits: Some Important Case Studies by Mr. Prateek Jhaveri. Session ended with an apt summary by Dr. Taijin Lu.



Mr. Mahesh Gaonkar



Dr. Taijin Lu

with recent experiences in GIT, Thailand. Dr. Wenxing Xu, SSSF, Switzerland, explained in detail on her studies of Origin Determination of Kashmir Sapphire; she had elegantly shown the importance of chemical and isotopic analysis LA-ICP-MS, Zircon inclusions and their Raman



Mr. Prateek Jhaveri



Dr. Wenxing Xu

Second day presentations consisted of three panel discussions and aptly the venue was shifted to IIJS, Goregaon and many traders showed interest to participate in Panel Sessions. Three panel discussions were aimed at discussing various aspects of synthetic diamonds, colour enhancements, Detection methods, measurements, certification etc. Panel discussion sessions were inaugurated by Shri Bakul Mehta, Shri Sanjay Shah, Convener, Diamond Panel and Shri Mehul Shah, Vice President, BDB. Through their addresses they set the context of the panels.



Dr. Thanong Leelawatanasuk



Dr. Cavalieri Gaetano

Shri Bakul Mehta explained the necessity of having such panels to assure the traders and consumers about genuine quality of materials they are investing in. Shri Sanjay Shah gave his opinion in view of the onset of the turbulent phase in natural diamond trade and felt that it has to reconcile and readjust itself to the developments in the laboratory grown diamonds. The need of the hour is to evolve

procedures to assure the consumers with committed action at different levels of Gem and Jewellery trade leadership which should include creation and strengthening of easily accessible and dependable testing and certification centres. Shri Mehul Shah in his key note address touched upon the most important issue of strengthening consumer confidence. He advocated to make certification as mandatory in diamond trade and ensure that all certifying agencies follow QA/QC procedures as per defined protocols. He shared with the participants the laudable efforts the Gem & Jewellery industry leadership in India in this direction.



Shri Mehul Shah



Shri Sanjay Shah

Panel 1 was on **Trade related matters and concerns which was effectively** anchored by Mr. Pranay Narvekar and Panel Members were Mr. Shreyance Shah, Mr. Sabyasachi Ray, Mr. Suresh Shah, Mr. Ramazan Alak Mete and Mr. Neel Pethe. They have addressed various aspects arising due to artificial production of diamonds and various treatments of gem stones for colour enhancement. Lab grown diamonds have essentially same physical, chemical, structural, optical and visual characteristics. Only growth patterns are different. Discussions centered mainly around possible effects in the trade due to entry of lab grown diamond.



Members of Pannel 1

Panel 2 was on **QA/QC, and lab standardisation and was anchored** by Mr. Samir Joshi and Panel Members Ms. Nirupa Bhatt, Mr. Ramazan Alak Mete, Ms. Natasha Coutinho, Dr. Sumed Prasongpongchai, Dr. A V R Reddy and Dr. Cavaleiri. Quality Assurance and Quality Control (QA/QC) is an important aspect in every walk of life including gem & diamond characterisation, certification and trade. Advent of gem grade lab grown diamonds and their entry into markets warrants high quality / high standard reporting to keep the consumer confidence. Panel discussions centred around availability of standard equipment in the labs, methods and methodologies of measurement, need for standard equipment, internationally certified reference materials and calibrated procedures. Discussions started with a detailed presentation by anchor and members answered focused questions.



Members of Pannel 2

Panel 3 was on the **state of the art detection methods and certification requirements** was anchored by Dr. M D Sastry and Panel Members were Dr. Taijin Lu, Ms. Ann Van Spaendonk, Dr.

Thanong Leelawatanusuk and Dr. Wenxing Xu. All-round development in electronics and solid state detectors, availability of lasers and evolution of computers have resulted in developing a large number of instrumental methods. The issues discussed in the above two panels suggested the need to develop expertise with matching instrumentation and methodologies. Anchor and Panel members highlighted the state of the art methods to detect LGDs from melee-star sizes to carat size diamonds, characterisation of natural and synthetic diamonds, characterisation of gemstones, origin studies and so on so forth.

AGDDT was closed after vote of thanks proposed by Shri Anup Zaveri, Managing Trustee, GII. He thanked all involved in the organization of AGDDT-2019 as it needed co-operation and dedicated hard work from many



Members of Pannel 3

committee members, members from GII, experts from all over the globe who delivered talks as well as participated in the panel discussions, and active support extended by many members from GJEPC, BDB and DEAL.

A V R Reddy
Secretary, AGDDT-2019 & CEO, GII

WELCOME ADDRESS BY SHRI BAKUL R. MEHTA, CHAIRMAN, GII



Shri Pramod Agarwal, Shri Anup Mehta, Mr Tom Moses and friend Cavalaire and ladies and gentlemen,

It gives me immense pleasure to welcome all the delegates to this Scientific Conclave, Advances in Gem & Diamond Testing Technology- 2019 (AGDDT 2019); especially all those from abroad who kindly accepted our invitation and travelled long distances to make this event a great success.

In India it all started with DDES-I (Diamond Detection and Expo 2015) organised at the behest of Shri Ashish Mehta the then Chairman of Natural Diamond monitoring Committee. At the time of DDES-I we were concerned with detecting CVD synthetics and simulants. The efforts of R&D team at GII led by Dr. Sastry resulted in a luminescence based instrument QChk meeting the requirements of quick detection of HPHT and CVD synthetics in large sample lots of diamonds. It is gratifying to note that now we are well ahead, dwelling on the advances made in detection technologies over the last few years.

With advanced scientific methodologies making inroads in to gem testing, there is a paradigm shift in gemmology. What were once classical gem testing laboratories are now transforming in to first rate materials science centres focusing on investigating gem and diamond related materials; such trade and commerce driven scientific activity would help create new technologies and new jobs for highly skilled scientific workers. In this back ground it is most appropriate that experts from well-known centres in gemmology are assembled here to present their work and discuss on topics of current interest. We believe that this just cannot be another routine event but it should herald a new beginning of sustained scientific interactions and collaborations. I am aware that such fora have been created for example the annual Diamond conference in UK organised by De Beers and also one in Europe organised by Elseviers. These cater to a wider cross section of scientists interested in diamond related materials. For the size and employment potential of Gem and Jewellery industry it is important to have an active forum dedicated to

the science and technology issues relevant to Gem Jewellery industry.

The evolution of LGDs from a curiosity to attractive gem quality in all colours and hues could be both a problem and an opportunity; these aspects would be discussed by three eminent panels tomorrow at IIJS in Goregaon starting around 2pm. These panels would address the real life problems connected with the LGDs coming into market on the natural diamond industry and also problems related colour gem stone industry.

I am glad that GII, with the support of GJEPC, BDB, DEAL, NGTC and others made this beginning in Asia Pacific region and propose that Gem and Diamond -R&D centres in this region come forward to join us in making it an annual event. On our part we would be more than willing to host AGDDT-2021.

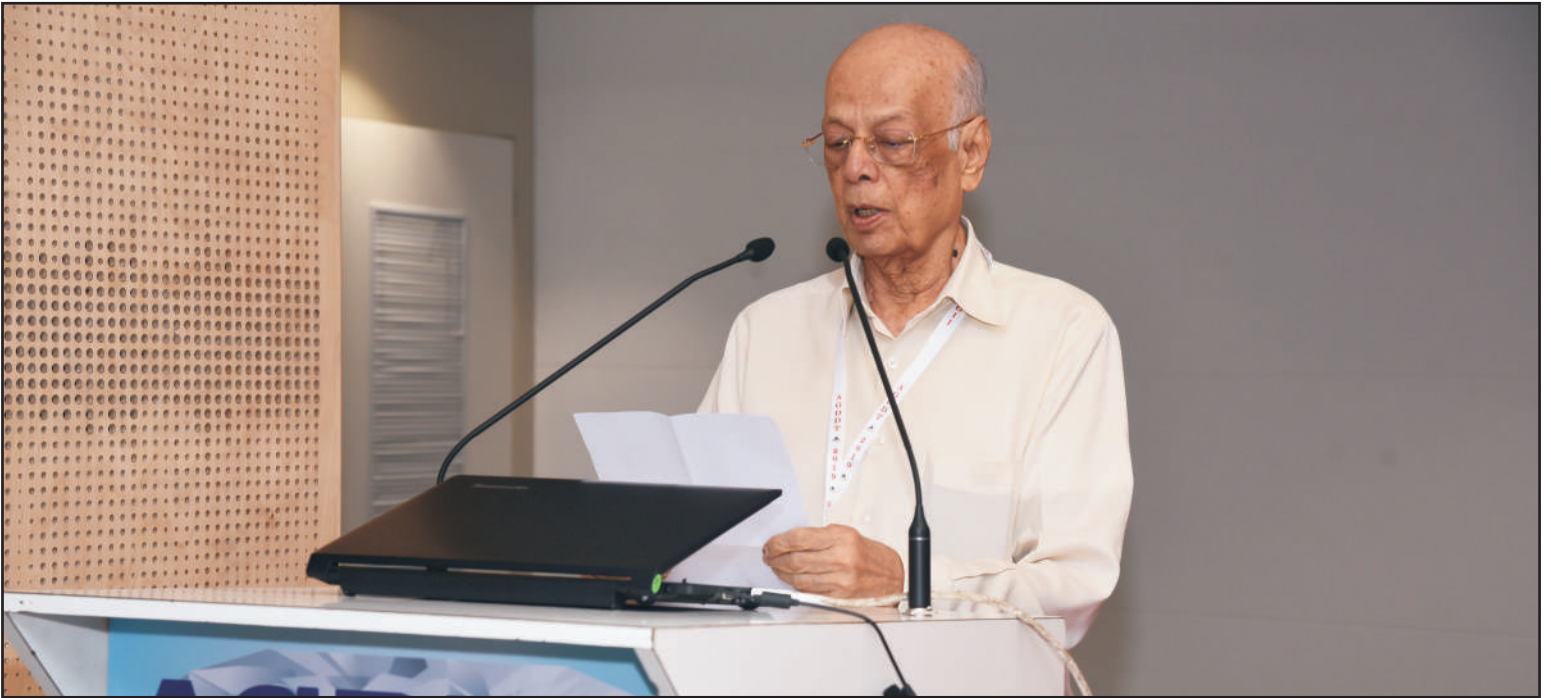
Wish you all a great time during AGDDT-2019. I wish my over seas friends to have a pleasant stay in Mumbai and enjoy the sight of monsoon rains.

Thank you all once again for your participation.

GII COURSE SCHEDULE FOR 2019-2020

- ❖ Diploma in Gemmology - 7th Jan'20 / 28th April'20 / 25th Aug'20 / 5th Jan'20.
(3 ½ months)
- ❖ Diploma In Diamond Grading- 7th Jan'20 / 28th April'20 / 25th Aug'20 / 5th Jan'20.
(3 ½ months)
- ❖ 2 Weeks short term Gem Identification & Diamond Grading
(1st Week / 3rd Week of every month) (2 Weeks - Monday - Friday)

VOTE OF THANKS BY SHRI ARVIND C. PARIKH, PRESIDENT, DEAL



Mr. Bakul R. Mehta, Chairman, Gemmological Institute of India (GII), Mr. Anup P. Zaveri, Managing Trustee, GII, Mr. Anoop V. Mehta, President, Bharat Diamond Bourse (BDB), Mr. Pramod Agarwal, Chairman, Gem & Jewellery Export Promotion Council (GJEPC), Distinguished delegates, Invited guests, Ladies and Gentlemen,

It is my privilege to propose a vote of thanks on this august occasion.

I on behalf of Diamond Exporters' Association Limited and our co-organisers GJEPC and BDB extend a very hearty vote of thanks to all national and overseas delegates for their revered presence from their busy schedule and to share their valuable knowledge with all of us. The technology, as in all other fields, is also rapidly changing in Gem & Jewellery and Diamond industry. This type of Symposium will go a long way in enhancing the knowledge in the areas of scientific advancement in gem and diamond detection technology and will prove beneficial to scientists, technocrats, traders and consumers.

I also wish to express my gratitude to Co-sponsors of this Symposium namely CIBJO,

Italy, NGTC, China, GIT, Thailand and CGE, China.

Key note address given by Mr. Tom Mosses, Executive Vice President & Chief Laboratory & Research Officer of GIA, USA, and Ms. Richa Singh, Managing Director, Diamond Producers Association, India, is highly commendable. It was comprehensive to cover all the essential elements of the Symposium and their description of how to inculcate the technological advancement in our industry is remarkable.

The initiative of Mr. Bakul Mehta is laudable in organizing a symposium of this magnitude and I appreciate his far sighted vision in keeping the gem and diamond industry updated with the latest scientific advances taking place globally.

Last but not the least, as no event can be successful without a good team work I would like to convey my sincere thanks to the entire team of GII led by Dr. AVR Reddy, Mr. Kirti Das and Dr. M. D. Sastry for their unstinted efforts in giving shape to this Symposium. The support of the officials of GJEPC and BDB are also praiseworthy.

VOTE OF THANKS BY SHRI ANUPBHAI ZAVERI, MG. TRUSTEE, GII



I am delighted and privileged to propose vote of thanks.

Over the years, progress in Research and Development, both in Diamonds and gem related areas, has been enormous. On one hand testing methods have seen a huge growth in terms of development of new instrumentation and detection methods. On the other hand, technological evolution revolutionized and resulted in producing synthetic diamonds as well as colour enhancements in gemstones. This is confusing both traders and consumers alike. Added to this some labs are using methods that are not so standard. In view of this, we at GII felt that there is a need to review all aspects in a systematic way to bring awareness about developments among consumers, scientists, technologists, traders and laboratory staff by providing a forum. My congratulations to the organizers for choosing an opt theme 'Advances in Gem & Diamond Detection Technology-2019 (AGDDT-2019)'. Experts from various

specializations were invited to deliver talks to share knowledge. Besides, experts as panelists in the three panels expressed their views which are important. My congratulations to all speakers, panel members and anchors.

Inauguration : AGDDT-2019 took off well with Inaugural function where four important seniors, Shri Bakul R Mehta, Shri Pramod A Agarwal, Shri Anoop Mehta and Shri Arvind Parikh spoke about AGDDT. I thank all of them for sparing time to be with us and encourage organisers. Scientific proceedings started well with the key note address on Lab Grown Diamonds by an expert like Dr. Tom Moses, GIA and my thanks to you Dr. Moses.

Technical Sessions: First session was dedicated to diamond related work, and was chaired by Wuyi Wang. I thank all speakers in this session namely Dr. M D Sastry, Dr. Dheeraj Jain, Dr. Taijin Lu, Dr. Ann Van Spaendonk and Dr. Wuyi Wang for their informative talks.

In the second session, dedicated to gem related developments, various aspects on gemstones were covered by eminent speakers. I thank all of them, Mahesh Gaonkar, Cavaleiri, Thaong Leelawatanasuk, Federico Barlochar, Wen Xing Xu, Prateek Jhaveri and session chairman, Dr. Taijin.

GII Books : R&D needs documentation of the findings. R&D contributions in GII have improved, both in terms of infrastructure and publications with Dr. Sastry joining GII. Our visionary Chairman, felt a document containing R&D contributions by Dr. Sastry to be made and Dr. Reddy compiled the book which was released alongwith abstract booklet. I thank Dr. Sastry and Dr. Reddy for the same.

Panel Discussion: In the second day, three panels namely

1. Trade related matters and concerns
2. QA/QC, and lab standardisation
3. State-of-the- art Detection methods and certification requirements were organized. Anchors and experts made panel discussions lively. I thank all of them for sparing their valuable time. They are Shreyansh Shah, P.S. Pandya, Sabyasachi Ray, Nilesh Shah, Ramazan Alak Mete, Neel Pethe, Nirupa Bhatt, Natasha, Sumed Prasongpongchai, A V R Reddy, Cavaleiri, Taijin Lu, Dheeraj Jain, Ann Van Spaendonk and Wenxing Xu.

Organisation : Success of a conference depends on

- i) Technical contents and experts,
- ii) Active participation by participants,
- iii) Systematic organization of the event and
- iv) Financial Support

I thank members and authorities of GJEPC, DEAL and HRD for financial support, BDB and GJEPC for extending infrastructure facilities. Organizing AGDDT-2019 started 4 months back. Organizing Committee members led by Bakulbhai and Local Organizing Committee by myself along with members worked tirelessly. Though it is anchored efficiently by Dr. Reddy, many members like Kirti Das, Dr. Sastry, Sripal Desai and Nitinbhai have contributed immensely. Besides many members within GII as well outside GII, particularly GJEPC, BDB and DEAL contributed to the success of AGDDT. I thank each and every member for their contribution. If I have missed any name inadvertently, kindly excuse me and consider this as a special thanks.

JAI HIND

Edited, & Published by Kamlesh Sheth on behalf of Gem & Jewellery Exporters' Association, 29, Gurukul Chambers, 187-189, Mumbadevi Road, Mumbai - 400002.

Printed by Maya Prints : 70/82, Swami Samrth Nagar, Gr. Flr, S. No. 7, Bandu Gokhale Rd, Girgaon, Mumbai - 400 004
Annual Subscription Rs. 250/-

The views expressed in the articles, news items and reports published in this Bulletin do not necessarily reflect the views of Gem & Jewellery Exporters' Association or those of the sponsors of the Bulletin. The Bulletin is for Private Circulation amongst the members of the sponsorers only.

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