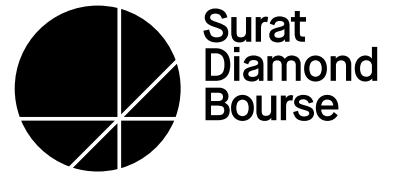


The COMPENDIUM

Surat Diamond Bourse

AUGUST, 2022



f i in y www.suratdiamondbourse.in



The theory behind the natural formation of COLOURED DIAMONDS!

Natural Diamonds are formed deep inside the Earth's crust, under extreme pressure & heat, when carbon atoms are bonded together to form a crystalline lattice structure. Generally, we see diamonds as white gems which are colourless yet elegant. (Read more - Pg2)

Owing to FESTIVE Demand, industry perceived to be in acceleration mode:

India is prepping up for the festive season. This indicates a growth projection in jewellery industry. (Read more - Pg2)

India Exports of Lab-Grown Diamonds SURGING

With the wide acceptance of Lab-grown diamonds in the markets, India is ramping up the sales of these man-made gems. The exports of polished lab-grown diamonds is expected to double in the current financial year, as per sources. (Read more - Pg3)

THE NATIONAL FLAG Rules & codes of displaying our Tri-Colour Flag

Whenever the National Flag is on display, it should occupy the position of honour and should be distinctly placed. (Read more - Pg3)

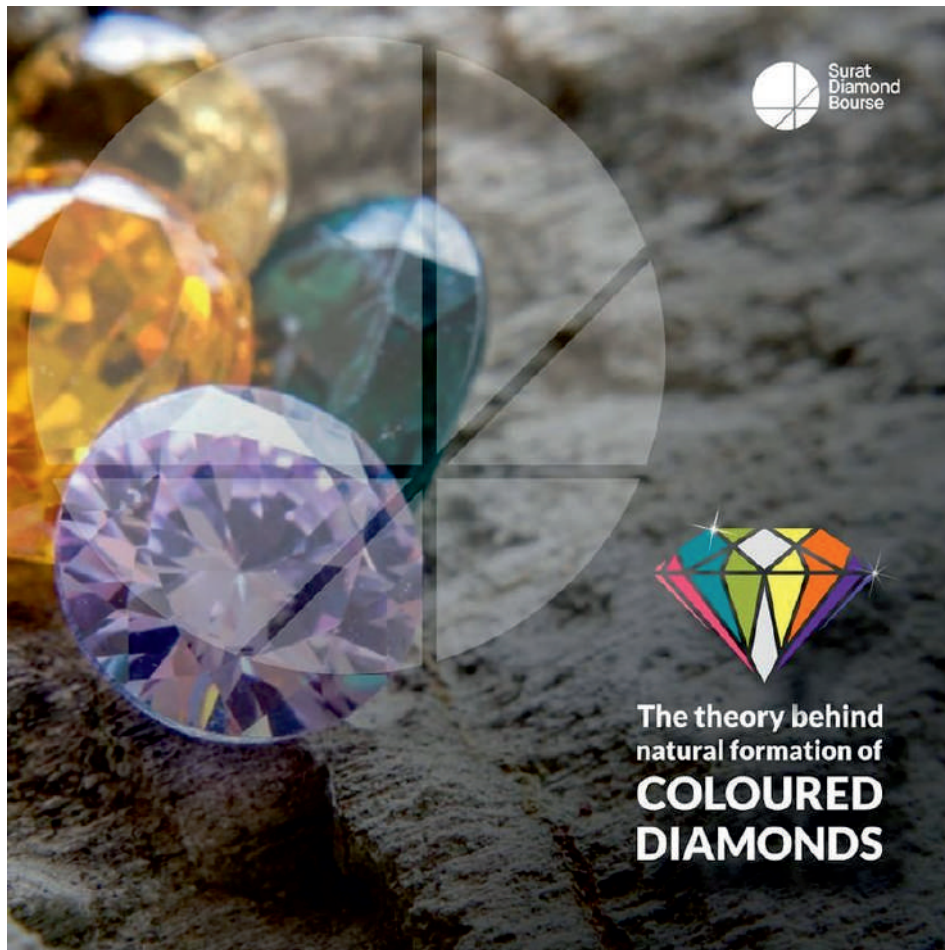
VISITS
at SDB, pg.5



KNOW
about SDB, pg.6



Updates on industry and events (Pg2, Pg3 & PG4)



#DiamondIndustry #Updates

The theory behind the natural formation of COLOURED DIAMONDS!

Natural Diamonds are formed deep inside the Earth's crust, under extreme pressure & heat, when carbon atoms are bonded together to form a crystalline lattice structure. Generally, we see diamonds as white gems which are colourless yet elegant. But sometimes there are pressure differences and also internal trapping of the non-carbon atoms, which result in Coloured Diamonds. These are rare and exceptionally beautiful forms of diamonds which are also classified under natural diamonds.

FORMATION OF NATURAL COLOURED DIAMOND HUES

It is nearly impossible to ascertain the exact class of variables and proportions, required to form a particular hue of a diamond. Different processes which take place within the Earth, like the chemical combinations of carbon and non-carbon atoms, the pressure, heat and the time frame, play an important role in the formation of colour hues.

Pink Diamonds are formed due to distortion in their crystal structure, due to a phenomenon known as plastic deformation. There is a distortion in the crystal lattice of the diamond, with an absorption of a band of green light rays. The variations in this process, may lead to brown or red hues, which are also essentially deeply coloured pink diamonds.

Blue Diamonds are formed with boron as an active ingredient which gets trapped in the internal structure, bonding with carbon for the absorption of red, green and yellow lights. The variations in boron concentration and their positioning is the main cause of different shades of blue diamonds.

Green Diamonds attain the hues when they are closest to the earth's surface. The naturally decaying radioactive materials of Earth, emit radiations that penetrate the diamonds, interacting with the atoms causing distortion in their crystal lattice. This results in the green hue of the diamond.

Violet diamonds are generally considered to be formed due to hydrogen atoms interacting with atoms in the crystal lattice of the diamonds in the Earth's crust, causing distortions, thus reflecting the said hue. Purple hue of the diamond is formed due to mutation of the crystal lattice or plastic deformation. Hence the two colours are considered to be different.

Yellow Diamonds are formed due to the nitrogen atoms that aggregate in the diamond structure, at high temperatures deep within the earth. The arrangement of atoms in the crystal causes absorption of blue light, in turn resulting in yellow colour of the diamond.

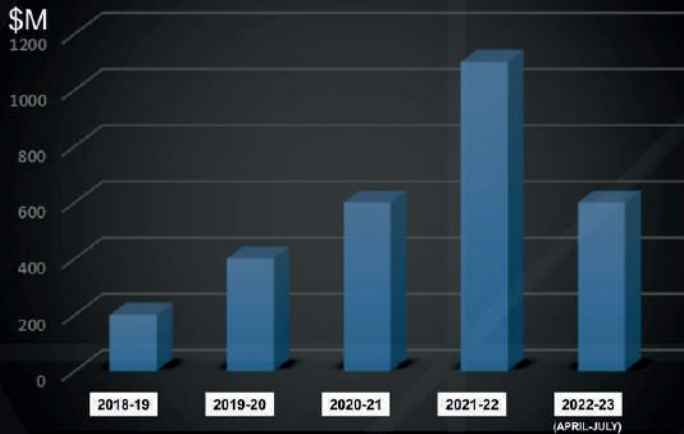
Orange Diamonds - The existence of nitrogen in high concentrations with a specific grouping or arrangement in the diamond structure leads to absorption of light in both blue and yellow spectrums, resulting in Orange hue of the diamond. These coloured diamonds are exceptionally beautiful and rare due to their nature of formation.



Owing to FESTIVE Demand, industry perceived to be in acceleration mode:

India is prepping up for the festive season. This indicates a growth projection in jewellery industry. While the slowdown in the diamond industry is reversing, major companies have started receiving orders domestically & internationally. With the improvisation in overcoming the shortfall of diamond supply, preparations have also been started to fulfil Diwali orders by diamond manufacturers.

INDIA EXPORTS OF LAB-GROWN DIAMONDS SURGING



Figures in Million Dollars. (Src: GJEPC via Bloomberg)

#Updates

India Exports of Lab-Grown Diamonds SURGING

With the wide acceptance of Lab-grown diamonds in the markets, India is ramping up the sales of these man-made gems. The exports of polished lab-grown diamonds is expected to double in the current financial year, as per sources. This sector poses a huge potential, based on the demands in US, UK and Australian markets.

Currently, India contributes nearly 15% of the global production of lab-grown diamonds. The number of growers are also increasing, perceiving the market demand.

With more awareness among the new generations, these diamonds are being considered as affordable jewellery, making a paradigm shift in the demand and sales. Though this sector represents a smaller portion of the jewellery market, it is receiving more curiosity and attention due to its characteristics and chemical makeup being similar to those of mined diamonds. Even experts will need advanced machines to distinguish between these synthesized and mined gems.

During the period of April-July, of the current financial year, exports of polished lab-grown diamonds from India jumped about 70% to \$622.7 million. The main features for the rise in demand are the product's affordability, low carbon-footprint, size and fine quality bringing about a shift in consumer buying preferences.



#HarGharTiranga

Whenever the National Flag is on display, it should occupy the position of honour and should be distinctly placed



THE NATIONAL FLAG Rules & codes of displaying our Tri-Colour Flag

- Shall not be displayed in an inverted manner; i.e.; the saffron band should not be the bottom band
- If dishevelled, shall not be displayed
- Shall not be dipped in salute to any person or thing
- No other flag or bunting shall be placed higher than or above or side by side with the National Flag; nor shall any object including flowers or garlands, or emblem be placed on or above the flagmast from which the National Flag is flown.
- Shall not be used as a festoon, rosette, bunting, or in any other manner for decoration
- Shall not be allowed to touch the ground or the floor or trail in the water
- Shall not be displayed or fastened in any manner as may damage it
- Should not be flown from a single masthead (top part of a flagpole) simultaneously with any other flag or flags
- Shall not be used to cover a speaker's desk, nor shall it be draped over a speaker's platform
- Shall not be used as a portion of costume or uniform or accessory of any description which is worn below the waist of any person nor shall it be embroidered or printed on cushions, handkerchiefs, napkins, undergarments or any dress material

To know the codes in detail, visit - Src: <https://amritmahotsav.nic.in/har-ghar-tiranga.htm>



75
Azadi Ka
Amrit Mahotsav



Surat Diamond Bourse celebrates the 75th Independence Day - Azaadi ka Amrit Mahotsav, with Flag Hoisting at the World's Largest Corporate Building.



**15TH AUGUST
2022**

75th Independence
Day - Azaadi ka Amrit
Mahotsav



Surat
Diamond
Bourse

**Celebrating
The day of PRIDE
The day of PRESTIGE
The day of POWER**



#sdbvisits

Honorary visit by
Shri Viveksagaraswamiji and Shri
Darshanpriyaswamiji, along with
the team of Shree Kashtbhanjan
Dev Mandir – Salangpurdham.

Honorary visit by Shri. Rajiv Bansal, Secretary,
Ministry of Civil Aviation, Government of India



It is always
an insightful
journey
for every
#VISITOR at



Educational visit by the students of Department of
Journalism and Mass Communication, VNSGU

Combining a world class entrance with a perfect skyline view of Surat City, captured from the terrace area of Surat Diamond Bourse.



#sdbtech
#sdbfacts



ARTISTRY - There's art in each and everything you see, at Surat Diamond Bourse!

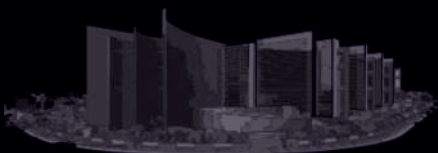


EFFICIENCY WITH CONVENIENCE

Surat Diamond Bourse has a total of 131 lifts with high speed of 3 meter/second & equipped with Destination Control system. These lifts incorporate destination floor number entry, along with the display of number of people in lift, highlighting the capacity. With this system, the purpose of increasing the performance of the elevators, with respect to time, power usage and swiftness in passenger movement, is fulfilled. Also the overall waiting time of the passenger is reduced, in traffic situations.

With this approach, over 65,000 people can reach their respective office under 6 mins from the entry point into the complex, including high level security checks procedures. Enabling easy navigation for this multitude was achieved with placement of multiple staircases and elevators across each floor, within 1-minute walking distance from each other.

Your Esteemed Support is Cherished,
Treasured and Highly Appreciated!



Plot No. 177/P, DREAM CITY,
Behind Surat International Exhibition & Convention Centre,
Nr. Khajod Chowkdi NH53, Khajod,
Surat, Gujarat 395007



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