

GEM WORLD

Official Magazine of The Jewellers Association, Jaipur

JULY-AUGUST 2023



"Unveiling a Symbol of Progress and Unity"

At the Jewellers Association, Jaipur, we understand that just as every gemstone has its unique facets, our association has its own layers of tradition, craftsmanship, and innovation. Today, we're thrilled to introduce our renewed emblem, a reflection of our commitment to evolving with the times while preserving the timeless values that define us.

Join us on this exciting journey as we embrace change, explore new horizons, and continue to uphold the legacy of craftsmanship and integrity that defines the Jaipur Jewellers Association. Together, we'll shape the future of our industry, one facet at a time.

Discover the next facet of the Jewellers Association, Jaipur.

BIG ANNOUNCEMENT

Unveiling the New Logo for the Jewellers Association





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DHARAM KANTA

GEM BOURSE

GEM WORLD

JAS THE PREMIUM B2B SHOW

JAGS

JANOPYOGI BHAWAN

PYAAU

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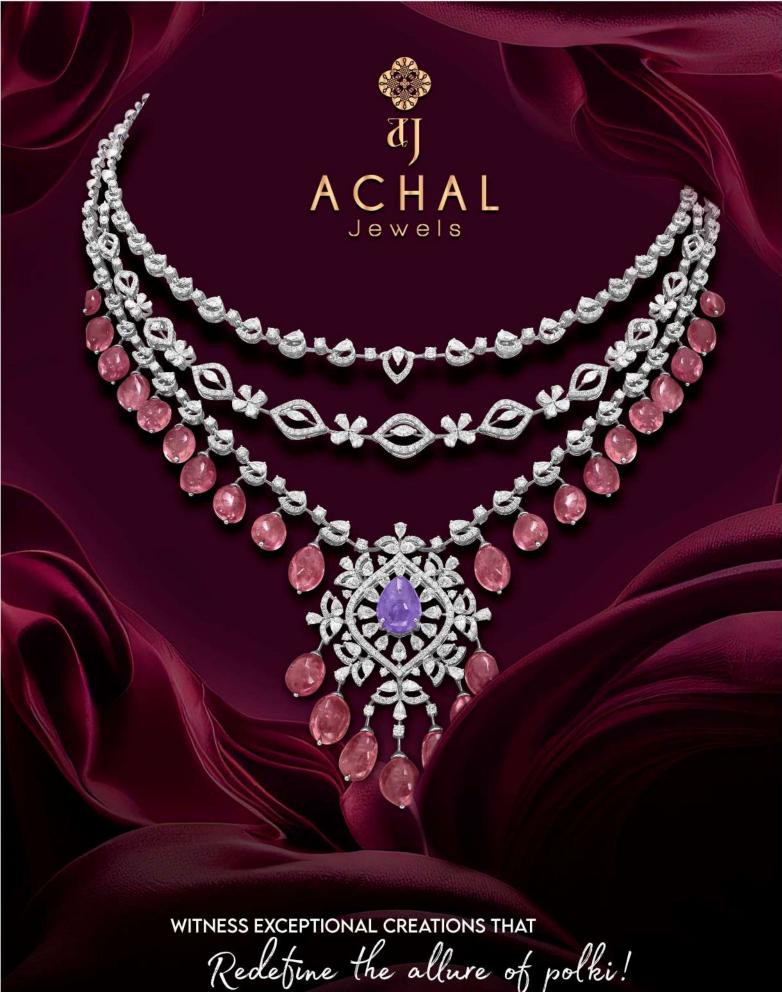
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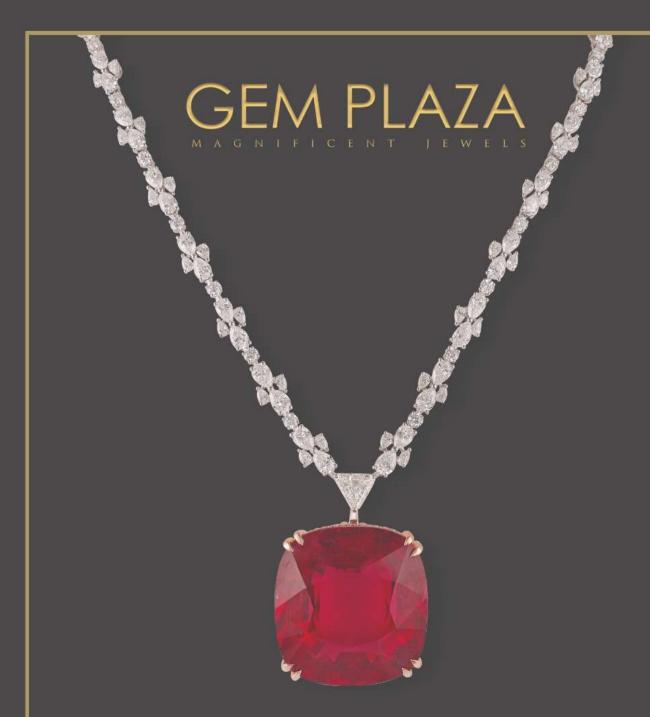
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Rough & Cut Stone Show



Saturday 14th October'23

Venue: Janupyogi Bhawan, Govind Marg, Jaipur

Business of over 70,000 Crore Generated at **GJEPC'S ILLUSTRIOUS IIJS**

The 39th edition of IIJS Premiere 2023, organized by the Gem & Jewellery **Export Promotion Council** (GJEPC), concluded with an overwhelming response generating its highest-ever business of over Rs. 70.000 crore for the trade. The second largest gem & jewellery fair of the world had 50,000 plus visitors at the two venues of JIO World Convention Centre, BKC (3-7 August) and Bombay Exhibition Centre, NESCO, Goregaon (4-8 August).

The paperless and fully digital IIJS Premiere accommodated 3,250 stalls and welcomed 1,850 exhibitors, spread over an

expansive area of 70,000 + sq. mtrsof exhibition area across the two venues. The event witnessed more than 2,100 visitors from over 65

countries, including the

USA, UK, UAE, Australia,



Dignitaries at the ribbon cutting ceremony

Canada, New Zealand, Fiji, Saudi Arabia, Qatar, Iran, Muscat, Italy, Bangladesh, Bahrain, Kuwait, Germany, Turkey, Singapore, Thailand, Vietnam, Cambodia, Sri Lanka, and many more. The distinguished guest list included hosted delegations from 16 nations, elevating the event to an unparalleled international stature. More than 25 hotels were booked across Mumbai

also had an Italian Pavilion at the machinery section and had exhibitors from 7 countries.

The grand show was marked with the distinguished presence of Sunil Barthwal, Commerce Secretary, Department of Commerce; Mike Hankey, Consul General, Consulate General of USA; Dr. Sanjay Mukherjee, IAS, Metropolitan Commissioner, MMRDA;

> Paul Rowley, **Executive Vice** President, Diamond Trading, De Beers Group; G.R. Radhakrishnan,

Managing Director, GRT Jewellers India Pvt. Ltd.; C K Venkataraman.



and had 10,000 room nights for the exhibitors and visitors. The event

SHOWS OF THE WORLD

Managing Director at Titan Company; G.R. Ananthapadmanabhan, Managing Director, GRT Jewellers India Pvt. Ltd.; along with Vipul Shah, Chairman, GJEPC; Kirit Bhansali, Vice Chairman, GJEPC; Nirav Bhansali, Convener, National Exhibitions; Mitesh Gajera, Coconvener, National Exhibitions, GJEPC and Sabyasachi Ray, Executive Director, amongst others.

Vipul Shah, Chairman, GJEPC, said, "IIIS Premiere 2023 has achieved unprecedented success,



Chairman Vipul Shah addressing the gathering

surpassing all previous records and exceeding our expectations. It has singlehandedly reversed market sentiments and kickstarted the business cycle into high gear, perfectly timed ahead of the festive and wedding seasons."



Kirit Bhansali, Vice Chairman, GJEPC, said, "Jewellery Park Mumbai, an ambitious project of GJEPC, is an innovative venture, a first-of-itskind integrated gem and jewellery industrial park, designed to encompass manufacturing units, commercial spaces, residences for industrial workers, and comprehensive commercial support services."

Niray Bhansali, Convener of National Exhibitions at GJEPC, expressed, "I wish to convey my appreciation to both Exhibitors and visitors for their incredible support. We saw a remarkable turnout of over 50,000 visitors hailing from 1100 cities across India, marking this as the most expansive IIJS Premiere to date."



GJEPC celebrated the spirit and achievements of young entrepreneurs of the gems and jewellery industry with its '40 Under 40' initiative. These young achievers were awarded for their accomplishments and commitment towards making this jewellery industry one of the best.

> Eminent jeweller from Jaipur, Abhishek Sand, Member of the Working Committee, Jewellers Association Jaipur, was also felicitated at the illustrious ceremony.

SHOWS OF THE WORLD

BLOGGERS @ IIJS



@Angel Jewellery





With Nirmal Bardiya @RMC Gems



Prernaa Makhariaa visited IIJS and we bring to you some glimpses of eye-catching $masterpieces\ captured\ by\ the$ iconic digital creator on her $In stagram\ handle.$



@Sensual

BLOGGERS @ IIJS



Handcrafted Perfume Bottle in Jade @Praveen Jewellers



Versatile Victorian Jewels @Jatin Gems





Brooches @Aqua Jewellers



Jadau Jewellery @Jewels of Rajputana



The Diamond Talk's Renu Choudhary shared her favourites from IIJS on her Instagram. We thoroughly enjoyed those stories and here are a few glimpses for you too.



RHEOS "The Flow of Mizu" Collection @House of Sparsh



TUSHAR AGARWAL Managing Director, Shiv Narayan Jewellers Pvt. Ltd. talks about the idea, the process and the legacy behind their brand and its recognition.

Creating Heirlooms. Winning Awards.

SHIV NARAYAN JEWELLERS

Shiv Narayan is a huge name in the trade and you are known for your iconic creations. What has been the thought process behind this?

Shiv Narayan Jewellers has always had an appreciation for our heritage, culture and art. We try to model our creations after what inspires us and it's this heartfelt sentiment that makes every jewel iconic. We aim to create jewels that carry royal elegance and our precise craftsmanship ensures this.

Your creations have been appreciated at global level. What impact is it making on your brand?

We are truly honoured to be recognised at the global level. It has essentially cemented our brand in the industry and we cannot be more thrilled. Our customer base has increased exponentially with clients from across the country as well as potential clients worldwide. We are excited to carry the legacy and

name of Shiv Narayan Iewellers as we take our success abroad!

Tell us something about the iconic Padmanabh statue.

Inspired by the marvellous idol that resides in the Shri Ananth Padmanabhaswamy Temple in Thiruvananthapuram, Kerala, the jewel depicts every feature of the original. Lord Vishnu is portrayed in the same Yoga Nidra (Yogic Sleep) position with his hand resting on top of a Jyotirlinga (Lord Shiva) with Lord Brahma atop a lotus rooted in his navel. The masterful depiction encapsulates the beginning of time as told in ancient Indian scriptures.

More than a mere jewel, The Shri Ananth Padmanabhaswamy Jewel measures 8 inch in height and an astounding 8 inch in length. Handcrafted by 32 people working 16 hours every day for 2 months, this paragon piece weighs an astounding 2.8 kg. Adorned with around 75,000 highquality diamonds, totalling an astounding 500 carats, Sri Ananth Padmanabhaswamy is a sight to behold. Each diamond has been thoughtfully sourced, masterfully polished, skilfully set. It boasts the finest Columbian emeralds

and natural Burmese rubies that fabricate a spectacular, mesmerising look perpetuating divine elegance. We are honoured to have created this piece and excited to take it for another world record title!



What trends do you foresee in gems and jewellery in the festive and wedding season ahead?

Our industry is ever-changing. Nowadays, it is all about customisation – everyone wants something unique different from the rest. Colour stone jewellery, which we specialise in, is also on the rise. People are willing to invest in colour stone jewellery as opposed to only gold or diamond jewellery and we are completely prepared to cater to the market.

What are distinct differences between **European-American** markets and Eastern countries?

European-American markets tend to seek minimalistic and simple designs and eastern countries tend to gravitate towards larger, more culturally significant designs. Our broad spectrum of jewels and expertise in gemstones allows us to cater to both the markets.

What are the **L** jewellery preferences of your customers from southern India?

We have a diverse client base, where people from all over the country come to us for special, luxury designs and high end pieces. We also have a traditional base that seeks heritage and heirloom pieces that resonate with their culture. We strive to provide the best quality to all these people and produce jewels that are precious to the ones who adorn them. Our pieces are not just accessories but also hold cultural and emotional value in the lives of the people.

You have a longstanding legacy as well as experience in this trade. What are your three key pieces of advice to the newcomers?

Shiv Narayan Jewellers has a rich heritage that goes back decades. Over the years, we've learned that the key to success is quite simple: build trusting relationships with your

clients, understand and cater to their requirements and always be rooted in the work you do.

You incorporate emeralds a lot in your jewellery. What would you like to say about pricing as well as their market?

Due to the many factors involved like clarity, origin, carat weight, certification, etc., emerald prices can vary dramatically. Emeralds have a significant market in South India. particularly due to the region's rich cultural heritage and traditional affinity for jewellery. Our emeralds are sourced from around the world but thoroughly checked to ensure they are up to standards as per our requirements. They are on the expensive side of the range but quality really matters when it comes to precious stones.







You have achieved 8 **Guinness World Records.** Please tell us about them.

Most of our statement pieces are a combination of fine craftsmanship and precise designing. Our vision for these products was executed over three years.

Our four Guinness World Records Titles Achieving creations:

- 1. The Ganesha Pendant was meticulously handcrafted over 6 ½ months.
- The weight of this pendant: 1011.150 grams
- 11,472 most diamonds set on a pendant
- 2. The Ram Darbar was intricately created over a period of 8 months.
- The weight of this diamond pendant: 1681.820 grams
- 54,666 most diamonds set on a pendant
- 3. The Satlada Necklace: The sourcing of emeralds alone took over 2 ½ years, while the crafting process spanned over 4 months.
- 315 most emeralds set on a necklace
- 1971 most diamonds set on a necklace
- 4. The Magnifying Glass
- The most expensive magnifying glass: \$108,346

TRENDY AFFAIRS



AQUAMARINE SANTA MARIA Photo Courtesy: Lunawat Gems



MORGANITE AND DIAMOND EARRING IN 18K GOLD Photo Courtesy: Gem Plaza



A trail of ornaments and gemstones, that are not only gorgeous but also tell you what's pretty and trending.



MIXED BERYL Precitone Co. Ltd.



OPEN POLKI WITH EMERALD BANGLES Photo Courtesy: Tatiwalas Gehna







OPEN POLKI NECKLACE & HANGINGS WITH EMERALD N PEARL





PINK SAP, ROSE QUARTZ AND DIAMOND EARRING IN 18K GOLD Gem Plaza







EMERALD AND DIAMOND RING IN 18K GOLD

Photo Courtesy: Gem Plaza





GREEN TOURMALINE Photo Courtesy: Precitone Co. Ltd.



EMERALDO COLLECTION

Photo Courtesy: Savio Jewellery



POLKI TALAF NECKLACE Photo Courtesy: Achal Jewels



Photo Courtesy: RMC Gems



TOURMALINE BEADS

Photo Courtesy: RGS Creation



GREEN TOURMALINE Photo Courtesy: Lunawat Gems





Photo Courtesy: Biharilal Holaram





CHOKAR Photo Courtesy GIE Gold

COLOUR BLUCK UF EMERALD WITH POLKI

Photo Courtesy: Birdhichand Ghanshyamdas



EMERALDO COLLECTION Photo Courtesy: Savio Jewellery



PINK SAP AND DIAMOND RING IN 18K GOLD Photo Courtesy Gem Plaza





VICTORIAN JEWELLERY Photo Courtesy: Jaipur Ratna



TOURMALINE SMOOTH BEADS Photo Courtesy: National Facets



Photo Courtesy: Lunawat Gems



Photo Courtesy: Ramnarayan & Co.





BLUE TOURMALINE Photo Courtesy: Precitone Co. Ltd.



Photo Courtesy: Achal Jewels



18K GOLD FINE ZAMBIA EMERALD (18.30CTS) RING 18K





ROSE CUT DIAMOND EARRINGS Photo Courtesy: Royal Gems & Jewels



PADPRADSCHA SAPPHIRE Photo Courtesy: Biharilal Holaram



EMERALD POLKI CHOKAR Photo Courtesy: Shree Jee Jewels



TOURMALINE CUT Photo Courtesy: RGS Creation



TOURMALINE CARVING BEADS Photo Courtesy: National Facets







TRILLION SHAPE MORGANITE RING 18K GOLD

Photo Courtesy: Onsaz Jewellers

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Jadau is a traditional art-form of crafting jewellery and has always been intricately associated with Indian weddings. To understand the current scenario better, we reached out to Mukesh Rela, Partner; Valentine Jadau, a company known for its modern lightweight, open-setting polki jewellery, fine craftsmanship, robust infrastructure, and highly skilled workforce, is set on a mission to redefine the polki tradition.

Understanding the Current Scenario



Mukesh Rela Partner, Valentine Jadau

How relevant is Jadau jewellery to changing trends?

Jadau Jewellery has evolved from its traditional roots to a more contemporary style that is very relevant to today's audience. Jadau jewellery is not only seen as traditional wedding jewellery, but also as a type of jewellery that can serve as a striking fashion statement piece that complements western wear.



A lot of leading fashion designers have diversified into Jadau bridal jewellery. How does that affect your trade?

Entering of fashion designers in the Jadau jewellery market has elevated design standards for all manufacturers. Adapting to evolving market trends ushers growth opportunities for all, especially when we create jewellery for these designers. We are dedicated to not only staying updated with trends but also embracing them confidently as we progress.

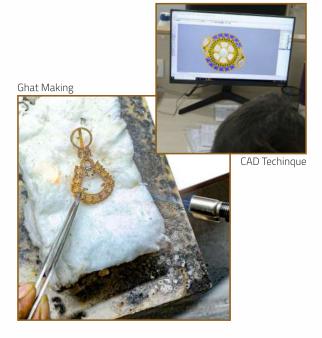








Diamond Setting



Is CAD changing/altering the traditional way of crafting jewellery?

The integration of CAD technology in jewellery crafting has not only broadened our design horizons but also accelerated production.

What trends do you foresee in the festive season ahead?

As the upcoming festive season approaches, a noticeable trend emerges where pret polki jewellery gains traction as a favoured option for festive gifting. Jadau jewellery has transcended its traditional association solely with weddings; these pieces can now be worn for all occasions and festivals.



Quality Checking



FRESH WATER PEAR

Presenting to our readers, some iconic snippets from rare collections of Pearl from the treasures of Dr Rajnikant Shah. The information about pearl has been provided by Gagan Choudhary.

Uncovering the Shell around Pearl

Pearl is an organic gem formed in ovsters saltwater molluscs or freshwater mussels. A pearl is formed, when a foreign particle enters its mantle or body tissue, the body cells build up concentric layers (known as 'nacre') around the particle to protect the mantle.

As per CIBJO, natural pearls are formed by various saltwater and freshwater molluscs within a natural pearl sac and without human intervention.

CIBJO defines cultured pearls, when a pearl is formed within a cultured pearl sac with human intervention in the interior of productive living molluscs in a variety of conditions depending upon the mollusc and the goals.

A pearl sac is naturally derived from the internal or external layer of the epithelium of the mantle or of the gill plates. The epithelial cells of the pearl sac secrete mainly nacre in the case of pearloysters and a nonnacreous calcium carbonate in the form of aragonite or calcite in the case of molluscs other than pearl-oysters, which becomes deposited over the foreign body, forming a natural pearl in due course of time.

Today, majority of pearls are cultured by human intervention. Shell beads or mantle tissue are inserted into the pearl sac of pearl-producing mollusc or oyster and placing them into water in ambient temperatures. Over a period of time, the



SALT WATER KESHI PEARLS

oyster covers the bead nucleus with nacre. The pearls are then harvested from these oysters or molluscs. Depending on the type of oyster used and the environment conditions, pearls may be produced in freshwater (example, lakes) and saltwater (example, seas or oceans). Pearls in saltwater are produced by molluscs, while those in freshwater are produced by mussels.

Further, in some cases, natural pearl may be excreted out by the mollusc, oyster, or mussel at their own, but majorly these pearl-bearing molluscs are fished out from waters and pearls are extracted manually. On the other hand, since cultured pearls are grown in harvested molluscs or mussels, pearls thus formed are extracted

manually by opening the shells. The remaining flesh is used as food.

Currently, Japan is the largest producer of freshwater

pearls, while some common trade names used for saltwater pearls include South Sea and Tahitian pearls.

Quality of pearls can be judged by their characteristic optical effect, known as 'orient', which is visible as soft spectral colours on the surface, caused by interference of light from refraction and reflection of light by the layers of nacre. In addition to this, surface lustre or the quality of reflection along with smoothness are important aspects in determining the quality of pearls. Fine pearls do not have flaws or spots in the nacre – they have even, smooth surface texture and lustre. In addition to the surface lustre, their regularity of shape, size and colour also affect the value of pearls.

Dr Rajnikant Shah is a dynamic visionary who has worked tirelessly for the general welfare of the jewellery trade and its people. A medical doctor by profession, he learnt the nuances of jewellery business and went on to become an icon in the field of gemstones. A jeweller, a philanthropist and an ardent devotee, Dr Shah has been a passionate connoisseur of gemstone artefacts and jewellery and his contribution towards gems and jewellery museum is immense.

Gagan Choudhary, FGA is the Director at IIGJ-Research & Laboratories Centre (Formerly, **GJEPC-Gem Testing** Laboratory, Jaipur). He has a Masters' Diploma in Gem **Identification from Gem Testing** Laboratory, Jaipur, India, a Diploma in Gemmology from Gem-A, UK and has completed the Scientific Gemmology Course from SSEF, Basel.



Images Courtesy: Bhagyaratnam

PEARLS

Description

Name – Maybe derived – from "Perna" or Spherical shape "sphaerula".

Pearl is a concentration formed by Mollusk and consists of some material as Mollusk Cell. Principle Mineral is Aragonite Shell, contains also conchiolin.

Baroque Pearls are irregular shaped. Valuables are spherical and drop like.

Salt Water Pearls are referred as Oriental Pearls. Others are Fresh Water Pearls.

Culture Pearls are those that are grown on Pearl farm.

Color - White, Pink, Silver, Cream, Golden, Green, Blue, Black; Varies with type of Mollusk and the water

Moh's Hardness -2.5-4.5

Density- 2.60-2.85 When density is > 2.73 it is cultured Pearl while density of natural Pearls is lower

Refractive Index- 1.52-1.56

Transparency – Translucent to Opaque

Crystal System -Orthorhombic

Chemical Composition – Calcium Carbonate Pearls are sorted by size and stringed together

Size – Pins head to Hen's egg. Largest one is Hope Pearl

Stamp

Rough Stones















Cut Stones













Jewellery















Description

Mother of Pearl – known as Nacre. They are more valuable.

They are formed by an irritant that has intruded into the shell of mollusk

Aging – dull tissues appear – average life span 100-150 years

Taking care of Pearls –They are sensitive to acid, perspiration, cosmetics, and hair spray. Easily scratched, avoid contact with metal

Valuation – Most valuable are spherical or drop like with deep luster and good color. Some of finest Pearls are found in Persian Gulf & Sri Lanka

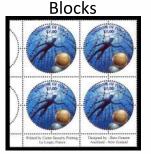
Matching Pair of Pearls is more valuable

Uses – Jewellery & Pearl Strings, Hard layer of beautiful, indecent and durable substance. Mother of Pearl has been used in utensils and ornaments like buttons and inlays

Bombay is an important center for Pearl trade



Stamp





First Day Covers













Souvenir Sheets







Proofs



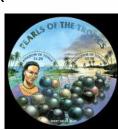




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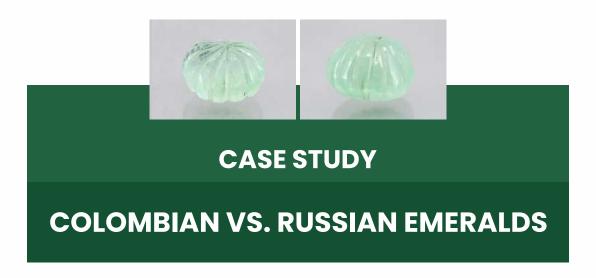


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ORIGIN & DETERMINATION OF GEMSTONES: Perspective and Challenges

GAGAN CHOUDHARY, FGA

INTRODUCTION

The last three issues of the Gem World carried the article titled, 'Origin Determination of Gemstones: Perspective and Challenges' discussed about separation of Colombian and Afghanistan (Panjshir) emeralds, followed by separation of Zambia, Brazilian and Ethiopian emeralds, and then a dedicated article on Russian emerald and Bervl. This article is an extension of the same subject discussing about the similarities and differences between two wellestablished origins – Colombia vs Russia, mainly because of the fact that emeralds from these two origins appear very similar to the unaided eyes, due to their green colours of low saturation. Carved beads of light to pale green colours from both these deposits are

routinely submitted at the IIGJ-Research & Laboratories Centre, Jaipur for their origin certification.

As discussed in previous articles, origin determination of gemstones is mainly dependent on the following factors:

Geological setting of the locations from where stone is originated: nature of host rock, interaction between the host rock and the surrounding rocks, pressure-temperature conditions and chemical environment at the time of formation.

Gemmological-mineralogical characterization of the gemstone:

inclusion features (type and nature of other minerals present, phaseinclusions, growth pattern, etc.), optical properties, spectral fingerprinting (absorption patterns or infra-red features) and chemical fingerprinting.



Figure 1. Use of carved emerald beads from Russia and Colombia are quite popular in Polki Jewellery.

Image courtesy: Achal Jewels

The gemmological-mineralogical properties are governed, directly or indirectly, by the geological setting under which a gemstone is formed.

Few gemstones grow in similar geological setting and as a result their gemmological properties also tend to overlap in terms of inclusion features, optical characteristics and chemical fingerprint (especially major and minor). In such cases, separation between two locations requires very minute detailing and analysis, which may not be performed in non/illequipped laboratory.

CASE STUDY: COLOMBIAN VS. RUSSIAN EMERALDS

Due to their low saturated colours and availability in large sizes, use of carved emerald beads originating from Colombia and Russia are quite popular in necklaces and pendants, with other coloured gemstones and diamond Polki. Majority of Russian and Colombian emeralds used as carved beads range

from yellowish green to bluish green of medium to low saturations; rich and pure green emeralds with high saturation are mainly faceted or used as cabochons, however, faceted stones in lower saturations are also available. Emeralds from both these deposits are also found in light green to very pale green, almost turning into nearcolourless. These light green to nearcolourless stones are not classified as emeralds, but green beryl or Goshenite or simply beryl.

RUSSIAN EMERALDS







COLOMBIAN EMERALDS





Figure 2. Colombian and Russian emeralds appear very similar to the unaided eyes as seen in this illustration. All five emeralds in top row are of Colombian origin while those in bottom row are of Russian origin.

Geological Environment

Emeralds from Russia are associated with mica schist resulting from tectonic-magmatic processes, while those from Colombia are associated with tectonic-metamorphic activities involving hydrothermal fluids. Due to the difference in formation conditions, their host rocks are also different. However, similarities in their appearance or light tones are due to low iron content in their host rocks.

Inclusion Features

Since Russian emeralds are associated with schist, mica is a common mineral inclusion present. However, the most characteristic and important inclusion scene includes parallel iridescent thin films oriented along the basal plane. In addition, numerous fluid inclusions like 2/3-phase, elongated phase and long tubes are also commonly seen; phase inclusions are often surrounded by whitish fringes/films.

Deposits in Colombia are formed from mineral rich hydrothermal fluids, and hence, emeralds originating from Colombia contain numerous fluid inclusions trapped in cavities. These cavities may take a range of shapes and patterns. One classic pattern of such filled cavities is three or multi-phase inclusion, often with jagged outlines. This is commonly referred as 'jagged 3phase inclusion', where a cavity contains multiple phases of matter, namely, liquid, solid and gas.

Although, emeralds from both these deposits display a different set of inclusions, absence of characteristic features makes the identification and separation of these emeralds challenging. It is to be noted that occasionally, Russian emeralds also display three-phase or multi-phase inclusions similar to those seen in Colombian emeralds. However, experienced eyes can differentiate between the patterns of three-phase inclusions of Russian and Colombian emeralds.



Figure 3. Plane of liquid films appear iridescent under oblique illumination in Russian emerald.

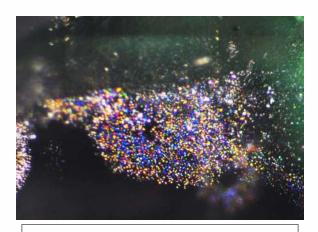


Figure 4. Planes of reflecting liquid films oriented along the basal plane and long tubes in perpendicular direction are characteristic features seen in Russian emerald.



Figure 5. 2-phase inclusions in Russian emeralds often display fringes around them.

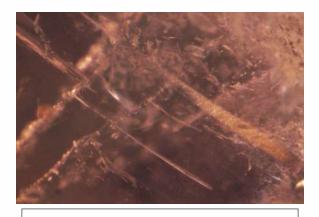


Figure 6. Elongated phase inclusions in Russian emeralds are also a common feature.

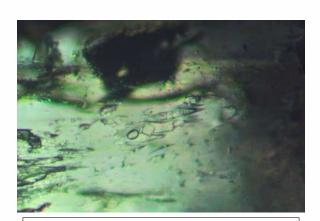


Figure 7. Overall inclusion scene in Colombian emerald is characterized by fluid-filled cavities, commonly referred as phase inclusions with jagged edges. Such similar inclusion scene makes the separation between emeralds originating from Colombia and Russia convincing, when seen.

Chemical Fingerprinting

In most of the gemmological laboratories, chemical fingerprinting is commonly performed using Energy Dispersive X-Ray Fluorescence (EDXRF) spectrometer, however, considering the limitations of EDXRF all major laboratories including IIGJ-Research & Laboratories Centre have now started using more advanced, sophisticated and sensitive technique for chemical fingerprinting, Laser Ablation-In Coupled Plasma Mass Spectrometer (LA-ICPMS). This instrument has the capability of detecting the presence of trace elements up to Parts per Billion (ppb) levels, which become very useful in identification and separation of emeralds from Russia and Colombia.

Due to the overlap of chemical data, not only the binary plots, but ternary diagrams of selected trace elements are

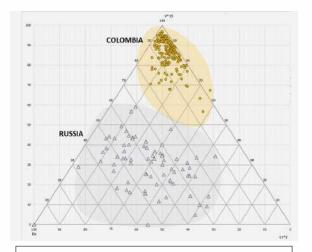


Figure 8. This ternary diagram/plot of V-Fe-Cr provides useful separation of Russian and Colombian emeralds. Such plots are routinely used for origin determination at the IIGJ-Research & Laboratory Centre from the data collected on highly sensitive and advanced instrument, LA-ICPMS.

used at the IIGJ-Research & Laboratories Centre for separation of these origins; this is a standard practice followed by all major gemmological laboratories too.

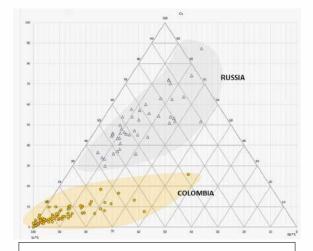


Figure 9.This ternary diagram/plot of Cs-Sc-Rb provides additional information and separation of Russian and Colombian emeralds. Such plots are routinely used for origin determination at the IIGJ-Research & Laboratory Centre from the data collected on highly sensitive and advanced instrument, LA-ICPMS.

CAUTION: SEPARATION OF EMERALDS AND BERYLS

Due to their light tones or pale colours, it becomes important to first establish if the emerald under test is an emerald and not just a beryl. Such lightcoloured stones first require detailed analysis for detection of presence or absence of the key impurities chromium and/or vanadium. It is being reiterated that presence of these impurities qualifies green-coloured beryl as emerald, while absence of these impurities qualifies the stone as only green beryl. Low saturated emeralds and green beryl from Russia are routinely analysed by UV-Vis-NIR spectrometer, where finer details

associated with low chromium concentrations are recorded.

CONCLUSION

This case study of Colombian and Russian emeralds illustrates the challenges of not only the determination of origin but also whether the emerald is an emerald, and not a green beryl. Although, Russian emeralds are characterised by planes of iridescent thin films, while Colombian emeralds by jagged 3-phase inclusions, but in absence of characteristic inclusions, origin determination will become highly challenging if based only on microscopic observations and basic gemmological tools. Therefore, authentic reference samples and abovementioned analytical tools and procedures must be integrated for reliable and consistent deduction of origin, along with the microscopic observations.

Acknowledgement: To Priti Bhabhor (Executive-Technical Analyst) for data collection, analysis of data and creation of correlation plots.

ABOUT THE AUTHOR



Gagan Choudhary, FGA is the Director at IIGJ-Research & Laboratories Centre (Formerly, GJEPC-Gem Testing Laboratory, Jaipur). Choudhary has a Masters' Diploma in Gem Identification from Gem Testing Laboratory, Jaipur, India, a Diploma in Gemmology from Gem-A, UK and has completed the Scientific Gemmology Course from SSEF, Basel. He is currently in charge of certification and research activities of the laboratory.

For more information, write at gtl@gjepcindia.com

DESIGN SPEAK

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Glance through the beautiful designs created by the students of Indian Institute of Gems and Jewellery (IIGJ), Jaipur.



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DESIGNERS' COLUMN



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Theme: unitarian church in charleston



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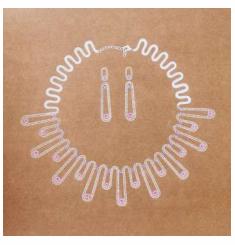
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TUSHAR SINGH Email: tusharsingh3103@gmail.com Theme: The Wind Collection



YAASHIKA SEERWANI Email: yaashikaa2702@gmail.com Theme: Shades that make a Statement

SGJIA Lays Foundation Stone for Association Building



The Sitapura Gems and Jewellery Industry Association (SGJIA) achieved a significant milestone on July 26th, 2023 by laying the foundation stone for its upcoming association building in the Sitapura Industrial Area. The event witnessed esteemed dignitaries and industry leaders, emphasizing SGJIA's role in fostering growth and collaboration within the gem and

jewellery sector. The ceremony featured Kuldeep Ranka, Chairman, Rajasthan State Industrial Development and **Investment Corporation** (RIICO), as the Chief Guest, and Rajiv Arora, Chairman, Rajasthan State Small Industries Corporation (RAJSICO), presiding over the event. Notable guests included Pramod Agrawal, Chairman, National Gem and Jewellery Skill

Council of India (NGJSCI), and Nirmal Bardiya, Regional Chairman, Gem & Jewellery Export **Promotion Council** (GJEPC). Kuldeep Ranka praised SGJIA's endeavours and urged entrepreneurs to have a broader vision. Rajiv Arora highlighted the state government's efforts to boost exports from Rajasthan. Arvind Gupta, President, SGJIA, extended a warm welcome to the esteemed guests and trade dignitaries. Vijay Chordia, Convenor SGJIA, presented the plans for the new building and expressed gratitude to the donors. Jaideep Gupta, Secretary, SGJIA, extended gratitude to all guests.







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Flag Hoisting on Independence Day



The Jewellers Association Jaipur organises a gala celebration for flag hoisting on August 15 every year. This year, the flag hoisting ceremony took place at Johari Bazar and at Janopyogi Bhawan. The members of the Association gathered for flag hoisting ceremony and enthusiastically participated in patriotic song program organised by the **Iewellers Association** and enjoyed the refreshments. President, D.P. Khandelwal, Vice President, Alok

Sonkhiya, Hon Secretary, Neeraj Lunawat, Jt. Secretary, Raju Mangodiwala, Past President, Nirmal Bardiya, Vijay Kedia, Sanjay Kala, Ramsharan Gupta and other office bearers and members were present on the celebrated morning.

JA Meets Bohra (Member of Parliament) for **Custom Related Issues**

A delegation of members from Jewellers Association Jaipur (D P Khandelwal, President; Ashok Maheshwari, Ajay Godha) met Ramcharan Bohra, Member of Parliament, at Johari Bazar on August 18th 2023.

D P Khandelwal, expressed the problems faced in export and import of goods, especially in customs. The delegation also put forth the demand to increase manpower and infrastructure to expedite the clearance of parcels that are imported in 24hrs. They



Jewellers Association Delegation with Ramcharan Bohra (Member of Parliament)

also requested an inspection of the custom-clearance process to look into the factors causing the delay and their relevant correction. Ramcharan Bohra assured his cooperation and agreed to meet the officials of customs and Airport authority to solve the problem.

Marwari Yuva Manch and Jewellers Association Organised 'Cyclothon 3.0'

To inspire and promote importance of sports and fitness amongst youth, the Marwari Yuva Manch and Jewellers Association organised Cyclothon 3.0 in Jaipur on 27th August 2023. Rishabh Bairathi, Coordinator, said that the event saw participation of 500 cyclists and the participants were given t-shirts, wrist bands, medals and refreshments.

Cyclothon began from Gandhi Circle, Jaipur and was flagged off by C P Joshi, BJP State President in the presence of Satish Poonia, BJP State Past President; Ashok Parnami, Jaipur MP Ramcharan Bohra, JA President D P Khandelwal, Hony. Secretary Neeraj Lunawat, & other JA Committee Members and a large number of jewellers.



JA Meets & Greets Narayan Murthy



Narayan Murthy receiving a traditional and warm welcome from the Jewellers Association members

The office bearers of the Jewellers Association Jaipur met Infosys Founder, Narayan Murthy, on 26th August during his Jaipur visit and discussed expansion of various industries of Rajasthan at length. Rajeev Arora, Chairman Rajasthan **Export Promotion Council &**

Chairman RAJSICO; D P Khandelwal, President: Raju Mangodiwala, Jt. Secretary; Ashok Bagla, JAS Convenor and other office bearers of the Association extended a warm welcome to Narayan Murthy in the Rajasthani tradition.

Murthy acknowledged that Jaipur's gem and jewellery trade has been a vital contributing partner in India's economy. He was also informed about the cutting and polishing of coloured gemstones, bulk business, jewellery designing, manufacturing and retailing that are synonymous with Jaipur.





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JAIPUR'S GEM BOURSE GoR Allocates 44,000 sqmtr Land in Sitapura



GJEPC and Jewellers **Association Jaipur form SPV** for implementing Jaipur Jeweller's dream project. The trading centre to have 1,500-2,000 units.

The Gem & Jewellery Export Promotion Council (GJEPC), the apex trade body sponsored by the Ministry of Commerce & Industry, Government of India(GoI), has teamed up with the Jewellers Association Jaipur (JAJ) to form a Special Purpose Vehicle (SPV), Jaipur Gem & Jewellery Bourse (JGJB) to implement the first-of-its-kind Jaipur Gem & Jewellery Bourse 'dream project'. This global gemstone trading centre is expected to house 1,500-2,000

units of coloured gemstone and jewellery units, labs, banks, insurance, logistics, and security service providers among others.

The foundation stone is expected to be laid soon and this will augment Jaipur's status as the largest cutting and polishing centre for gemstones in the world. On 30th August, the Government of Rajasthan (GoR) approved the allocation of approximately 44,000 square meters of land in Sitapura at 3 times the reserve rate on a 99 year lease for the establishment and development of the Jaipur Gem & Jewellery Bourse (JGJB). This strategic decision is aimed at not only promoting the gem and jewellery sector but also fostering economic growth by creating an environment

conducive to trade and investment in the indigenous gem &jewellery industry.

The SPV created by the Memorandum of Understanding (MoU) will be promoted and registered as a Section 8 company under the Companies Act, 2013, which will lead to the creation of the Jaipur Gem Bourse. The bourse will also house brokers' chambers, a trading hall, a Special Notified Zone, Customs Clearance Centre and display shops, among other facilities.



Pramod Agrawal (Derewala), Chairman, Jaipur Gem &

Jewellery Bourse, said, "Over 1100 members of the gem & jewellery trade associations have confirmed their participation in this dream project. GJEPC signed a MoU with the Jewellers Association, Jaipur, in 2019 to create a SPV to establish a Gem Bourse in the Pink City. The bourse is set to have state-of-theart infrastructure, play a pivotal role in nurturing growth for the industry catering to both domestic and international clients."



D.P. Khandelwal, President, **Jewellers** Association

Jaipur, added, "We are about to enter a great new era for Jaipur's gem and jewellery industry. The cabinet's strong support for providing land will create new possibilities. In this new phase, the Jaipur Gem and Jewellery Bourse will not only be the foremost place for business, but also a symbol of innovation, collaboration, and economic growth."



Nirmal Bardiya, Regional Chairman, Rajasthan GJEPC said, "I'd like to

extend my deepest gratitude to the Hon' Chief Minister for announcing the land allotment for Gem Bourse in Sitapura area, the hub of gems and jewellery. The location is most ideal for trade because of the proximity to the airport and the existing industries, SEZ, GJEPC Lab, and other trade related institutes. With all amenities under one roof, this gem bourse will become a huge trade centre of the world in coming years."

Gemfields' Ruby Auction Concluded

Gemfields organized yet another successful auction of ruby. The auction comprised mixed-quality rough rubies and was held during the period 5 - 20 June 2023.



Highlights:

June 2023 Mixed-Quality Ruby Auction

- Total auction revenues of USD 80.4 million
- 91 of the 94 lots offered for sale were sold (97%)
- Average realised price of USD 265.99 per carat
- The 19 auctions of Montepuez Ruby Mining Limitada's ("MRM") gemstones held since June 2014 have generated USD 978.5 million in total revenue
- One lot of 26.8kg (representing some

30% of the total weight offered) remained unsold.

As a result, the average price per carat realised at this auction was considerably higher than it would have been had this lot also been sold.

The auction lots were made available in Bangkok for private, inperson viewings by customers. Following the viewings, the auctions took place via an online auction platform specifically adapted for Gemfields and which permitted customers from multiple jurisdictions to participate in a sealed bid

process.

The rough rubies were extracted by MRM (which is 75% owned by Gemfields and 25% by Mozambican partner Mwiriti Limitada). The proceeds of this auction will be fully repatriated to MRM in Mozambique, with all royalties due to the Government of the Republic of Mozambique being paid on the full sales price achieved at the auction. The results of the five most recent mixedquality MRM ruby auctions are summarised in the table below (and earlier results are available at www.gemfieldsgroup.com

AUCTION RESULTS	Apr '21 AUCTION	Dec '21 AUCTION	Jun '22 AUCTION	Dec '22 AUCTION	Jun '23 AUCTION
(MIXED QUALITY)	(7 sequential				
	mini-	mini-	mini-	mini-	mini-
	auctions)	auctions)	auctions)	auctions)	auctions)
Dates	15 Mar –	8 Nov –	30 May –	21 Nov –	5 – 20 Jun
	8 Apr 2021	9 Dec 2021	17 Jun 2022	8 Dec 2022	2023
Location	Various/	Various /	Bangkok /	Bangkok /	Bangkok /
	Online	Online	Online	Online	Online
Туре	Rough Ruby				
	(Higher,	(Higher,	(Higher,	(Higher,	(Higher,
	Medium and				
	Commercial	Commercial	Commercial	Commercial	Commercial
	Quality), no				
	Corundum	Corundum	Corundum	Corundum	Corundum
Carats offered	726,610	681,013	610,135	525,246	446,202
Carats sold	343,952	667,589	387,681	431,671	302,317
No. of companies placing bids	52	49	49	44	51
No. of lots offered	94	107	119	104	94
No. of lots sold	89	104	112	98	91
Percentage of lots sold	95%	97%	94%	94%	97%
Percentage of lots sold by weight	*47%	98%	64%	82%	**68%
Total sales realised at auction	USD 58.9 million	USD 88.4 million	USD 95.6 million	USD 66.8 million	USD 80.4 million
Average per carat sales value	USD 171.33/carat	USD 132.47/carat	USD 246.69/carat	USD 154.84/carat	USD 265.99/carat



 $^*One\ lot\ of\ 76,343\ grams\ (representing\ some\ 53\%\ of\ the$ total weight offered) remained unsold at the March | April 2021 auction. As a result, the average price per carat realised at this auction was considerably higher than it would have been had this lot also been sold.

^{**}One lot of 26,806 grams (representing some 30% of the total weight offered) remained unsold at the June 2023 auction. As a result, the average price per carat realised at this auction was considerably higher than it would have been had this lot also been sold.



वर्ष 1927 में स्वतंत्रता-पूर्व युग में स्थापित, ज्वैलर्स असोसिएशन की कल्पना जयपुर के रत्न और आभूषण व्यापार के विकास को बढ़ावा देने के विचार के साथ की गई थी। वर्तमान में असोसिएशन जौहरी बाजार जयपुर में अपना कार्यालय चलाता है। आज इस असोसिएशन में सदस्यों की संख्या 6500 से अधिक है।

<u>सदस्यता के लाभ</u>

- सदस्यों के लिए वीज़ा रिकमेन्डेशन लेटर उपलब्ध कराना।
- IIGJ रिसर्च एंड लैबोरेट्टीजसेंटर द्वारा LAB TESTING पर 10% छूट।
- सदस्यों के व्यापारोत्थान के लिए विभिन्न TRADE SHOWSका आयोजन।
- JAGS SHOW में विशेष दरों पर बूथ उपलब्ध कराना।
- अन्य SHOWS की तुलना में JAS SHOW में सस्ती दरों पर बूथ उपलब्ध कराना।
- सदस्यों को जनोपयोगी भवन में विवाह व अन्य समारोह के लिए आरक्षण करवाने पर 50% छूट।
- व्यापार में आने वाली विभिन्न समस्याओं पर समय-समय पर बातचीत व समाधान।
- सदस्यों के मध्य व्यापारिक विवादों का निपटारा।
- विभिन्न विषयों पर सेमिनार आयोजित कर व्यापार हित में सदस्यों का ज्ञानवर्धन।
- जैम-वर्ल्ड पत्रिका के माध्यम से सदस्यों तक जवाहरात उद्योग से जुडी वैश्विक जानकारी पहँचाना।
- असोसिएशन परिसर में धर्मकांटा की सुविधा।
- विभिन्न अस्पतालों से हेल्थ चेकअप एवं उपचार के लिए सदस्यों को छूट के लिए अनुबन्ध।
- प्राकृतिक आपदाओं एवं विपत्ति के समय असोसिएशन सर्वदा सदस्यों के साथ होती है। जैसे की कोविड-19 महामारी के समय सदस्यों के लिए निःशुल्क टीकाकरण, कोविड केयर सेंटर व ऑक्सीजन कन्सेंट्रेटर की व्यवस्था व गद्दियों के सार-संभाल की व्यवस्था।

सामाजिक सरोकार के विभिन्न कार्य

- जौहरी बाजार व चौड़ा रास्ता के बाज़ारों में सघन वृक्षारोपण।
- स्वच्छ भारत अभियान के अंतर्गत पॉलीथीन के विरुद्ध कपड़े के थैलों का वितरण।
- कोविड लॉकडाउन के दौरान राष्ट्रीय राजमार्गों पर भोजन व पानी की व्यवस्था।
- जयपुर के परकोटे में रत्न तराशने वाले कारीगरों व अन्य व्यक्तियों को राशन किट वितरण।
- पूरे वर्ष जौहरी बाजार एवं आगरा रोड स्थित सार्वजनिक प्याऊ की व्यवस्था।
- आपदा के समय विभिन्न राहत कोषों में योगदान जैसे-भुज में भूकंप त्रासदी, उत्तराखंड त्रासदी, पुलवामा त्रासदी, कोरोना आदि।

आप सभी से अनुरोध है कि आपके संपर्क में जयपुर के रत्न एवं आभूषण व्यापारी जो असोसिएशन से नहीं जुड़े हैं उन्हें सदस्यता लेने के लिए प्रेरित करें जिससे असोसिएशन और सशक्त होगा। इससे हमारा व्यापार तो बढेगा साथ ही विश्व में जयपुर ब्रांड बनकर उभरेगा।

डी पी खण्डेलवाल अध्यक्ष नीरज लुणावत मानद मंत्री



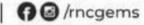


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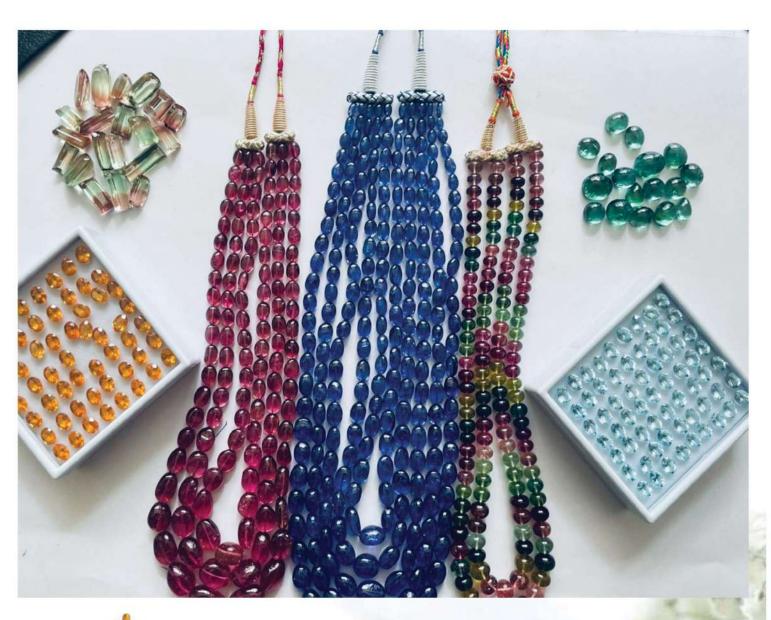


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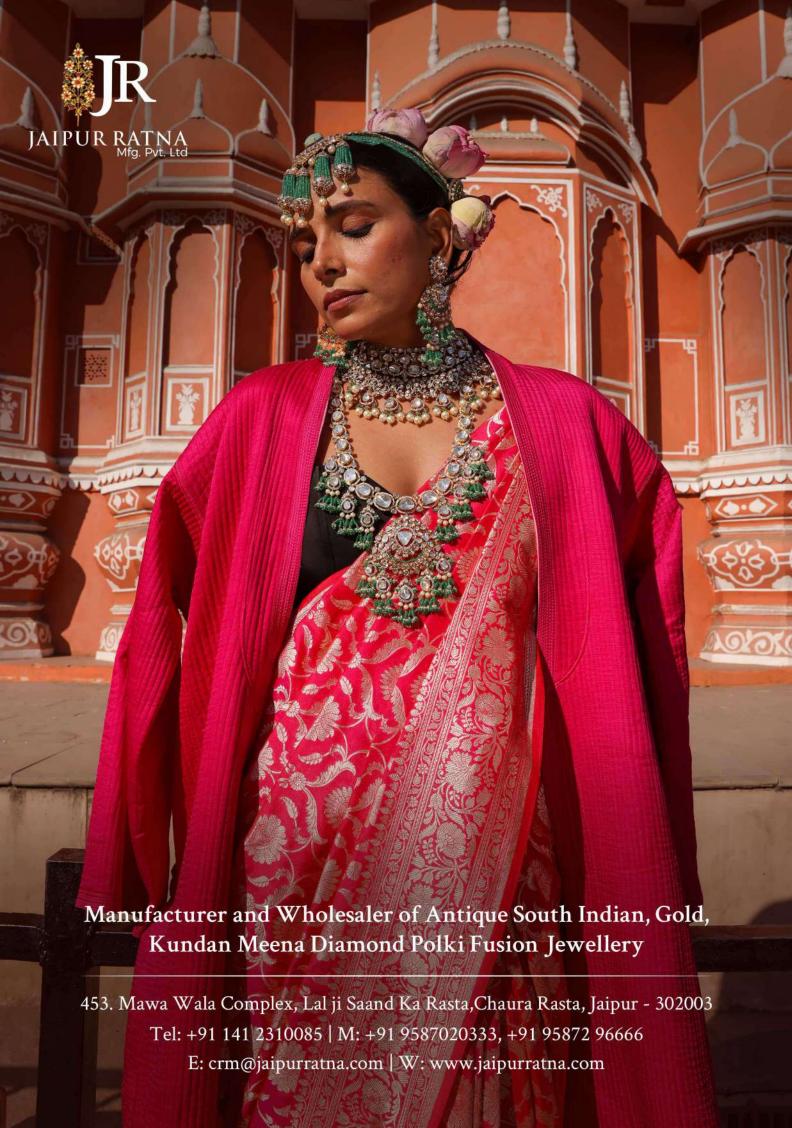
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रूकने-ठहरने, शादी-विवाह, मीटिंग-कॉन्फ्रेन्स हर ज़रूरत के लिए, ज्वैलर्स एसोसिएशन जयपुर द्वारा संचालित

आपका जनोपयोगी भवन











जनोपयोगी भवनः ए-14-15, गोविन्द मार्ग, जनता कॉलोनी, जयपुर-4

जयपुर में जनता कॉलानी जैसी बेहतरीन लोकेशन पर तीन मंज़िला भवन। यहां उचित किराये पर आपके रुकने—ठहरने, शादी—विवाह, मीटिंग—कॉन्फ्रेन्स जैसी ज़रुरतों के लिए कमरे, हॉल, मीटिंग रुम, लॉन और अन्य सुविधाएं आपकी सेवा में उपलब्ध है।

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डी.पी. खण्डेलवाल अध्यक्ष

नीरज लुणावत मानद् सचिव महावीर कुमार डागा





Know · Connect · Grow

E-MAGAZINE 2023 -24

Gem World, the official magazine of the Jewellers Association Jaipur, is one of the leading trade publications in the country and enjoys a wide readership.

The e-magazine is bilingual and released in English as well as Hindi. The 49 years old magazine has always enjoyed a huge reader base in India as well as across the globe. We invite you to use this platform to advertise in the magazine and expand your access to a global audience in different parts of the world.

Advertising details are as follows:

S.no.	ADVERTISEMENT PLACEMENT	TARIFF	INCLUSIONS
1.	1st page (Just after Cover Page)	1,50,000/-	1 full page size advertisement in 6 editions 6 product feature in Trendy Affairs in all 6 editions with credits
2.	Within first half of Magazine	60,000/-	1 full page advertisement in 6 editions 4 products feature in Trendy Affairs in all 6 editions with credits
3.	In second half of the Magazine	30,000/-	1 full page advertisement in 6 editions 2 products feature in Trendy Affairs in all 6 editions with credits

- GST extra.
- Rights to select the advertiser reserves with Gem World magazine.
- Advertisement will be first come first serve basis.
- Creatives are supposed to be provided by sponsors in A4 (8.25" x 11.75") Portrait in PDF high resolution size.
- Prices are subject to increase after 6 issues.

For more details, contact:

Ritu 72299 54040 Anuj 99502 11331

Email: gemworld@jajaipur.com















WELLERS WELLNESS PACKAGE

Preliminary Tests

CBC

Haemoglobin

Packed Cell Volume(PCV)

MCV MCH MCHC

RBC RCDW

TLC DLC

ESR

Urine Routine

Volume

Colour & Apperance pH & Specific Gravity **Protein & Bilirubin**

Sugar **Ketones**

WBCS/HPE RBCS/HPE

Epithelial Cells/HPE

CASTS Crystals **Cardiac Profile**

Lipid Profile Cholesterol Total HDL Cholesterol

LDL Cholesterol Cholesterol VLDL Triglycerides

Cholesterol/HDL Ratio

ECG ECHO/TMT

Diabetic Tests

Blood Glucose (Fasting)

Blood Glucose (PP)

Thyroid Screening

TSH

Kidney Screening

Urea

Serum Creatinine Serum Calcium

Radiology Imaging **Chest X-Ray** **Liver Function Test (LFT)**

Bilirubin Total Bilirubin Indirect

Bilirubin Direct

SGOT-AST SGPT-ALT

Total Proteins

Albulin/Globulin

A/G Ratio

Alkaline Phosphatase

GGTP

Cancer Detection

PSA (For Male)

PAP Smear (Female)

Consultations

Physician

Dentist

Diet and Wellne

Add on Investigations @ 50% Discounted Rate

Mammography

Vitamin D

Vitamin B12

USG (Whole Abdomen)

► HBA1C

▶ ECHO/TMT

Instructions:-

- Do not eat or drink anything except water for a minimum of 10-12 hours prior to Sample Collection for Blood test i.e Tea/Coffee/Juice/Biscuits etc.
- Please do not consume your morning dose of tablets (if any) prior to Sample Collection.
- Please do not consume alcohol/nicotine 24 hours prior to health check. Specifically for ladies: If you're menstruating on the scheduled day of your health checkup, kindly inform us. Since you'll not be able to do your urine tests as the presence of blood would produce inaccurate results.

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के संयुक्त तत्वावधान में एसोसिएशन के सदस्यों व परिवारजनों के लिए

ज्वैलर्स हेल्थ पैकेज ₹2100

CBC (Complete Blood Count)

- Hemoglobin
- Packed Cell Volume (PCV)
- MCH
- **MCHC**

Kidney

- Urea
- Sr Calcium
- Sr Creatinine

- Protein & Bilirbin

- RBC
- RCDW
- TLC
- DLC

Cardiac Profile

- Lipid Profile
- Cholesterol Total
- HDL Cholestrol
- LDL Cholestrol
- Cholesterol VLDL

Diabetic Test

Blood Glucose (Fasting) Blood Glucose (PP)

Thyroid Screning

- Triglycerides
- Cholestrol/HDL
- Ratio
- ECG
- 2D Echo/TMT

SGOT-AST

- SGPT-AST
- Alkaline Phophatase
 - GGTP

Liver Function Test (LFT)

Bilirubin Indirect • Total Proteins

Cancer Detection

PSA (For Male)

Bilirubin Direct

Bilirubin Total

PAP Smear (For Female)

Consultation

- Physician
- Diet & wellness

Albulin/Globulin

A/G Ratio

Dentist

Radiology Imaging

Chest X-ray

Urine Routine

- Volme
- Color & Apperance
- PH & Specific Gravity
- Sugar
- RBCS/HPE CASTS Crystals

Ketones

WBCS/HPE

अतिरिक्त जांचों पर @ 50% की छूट

TSH

ESR

- USG (Whole Abdomen)
- Vitamin D

Mammography

Vitamin B12

HBA1C

ECHO/TMT

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- वरिष्ठ नागरिक (५० वर्ष और अधिक) के लिए पिक एंड ड्रॉप सुविधा
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- आईपीडी और ओपीडी सेवाओं पर 10% विशेष छूट*

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के संयुक्त तत्वाधान में एसोसिएशन के सदस्यों व परिवारजनों के लिए

(Parents, Spouse & Children)

Jewellers Regular Health Package

Cardiac Health

2D Echo / TMT

ECG Lipid Profile

Diabetic Health

Blood Sugar Fasting Blood Sugar (Post Parandial)

HbA1c

General Health

CBC - Complete Blood Count

Vitamin B12

Serum Calcium

Kidney Health

Uric Acid Creatinine

Urine Routine

Liver Health

Bilirubin Direct & Indirect

SGPT, SGOT

Total Proteins - Albumin & Globulin

A / G Ratio

Alkaline Phosphate

Lung Health

X - Ray Chest PA View

Multi-Organ Health

USG - Abdomen

TSH - Thyroid Stimulating Hormone

Consultation

Ophthalmology

General Medicine Cardiology

Dental

Breakfast

1900/-

Jewellers Advanced Health Package

Cardiac Health

2D Echo / TMT ECG

Lipid Profile

Diabetic Health

Blood Sugar Fasting

Blood Sugar (Post Parandial) HhA1c

General Health

CBC - Complete Blood Count

Vitamin B12

Vitamin D

Serum Calcium

Kidney Health

Uric Acid

Creatinine

Urine Routine

Liver Health

Bilirubin Direct & Indirect

SGPT SGOT

Total Proteins - Albumin & Globulin A / G Ratio

Alkaline Phosphate

GGPT

Lung Health

X - Ray Chest PA View

Multi-Organ Health

USG - Abdomen

TSH - Thyroid Stimulating

Hormone

Consultation

Ophthalmology General Medicine

Cardiology

Breakfast

Dental

Jewellers Advanced Health Package (Age above 60 years

Cardiac Health

2D Echo / TMT

Lipid Profile

Diabetic Health

Blood Sugar Fasting Blood Sugar (Post Parandial)

HbA1c

General Health

CBC - Complete Blood Count

Vitamin B12 Vitamin D

Serum Calcium

Kidney Health

Uric Acid Creatinine

Urine Routine

Liver Health

Bilirubin Direct & Indirect SGPT. SGOT

Total Proteins - Albumin & Globulin

A / G Ratio

Alkaline Phosphate

Lung Health

X - Ray Chest PA View PFT

Multi-Organ Health

USG - Abdomen

TSH - Thyroid Stimulating Hormone

Recommended for Age Above 60

Mammography (For Female)

Consultation Ophthalmology

Breakfast

General Medicine

Gynecology (For Female

Cardiology Dental

3100/-

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Jewelers Association Team

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Neeraj Lunawat

Raju Agarwal Mangodiwala

Convener- CSR Committee

President

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