

The Official Newsletter PAKISTAN GEMS AND JEWELLERY DEVELOPMENT COMPANY

Editor's Note:

Greetings and a warm welcome to the readers of PGJDC's Newsletter!

We are pleased to present the 9th Edition of PGJDC's Newsletter. This issue covers PGJDC events occurred during the past six months, (July to December 2015) including information about exhibitions, visits of international and local delegates to PGJDC Head Office and its projects etc. Details about the trainings programs and seminars conducted at the training institutes and other locations during this period have also been included in this edition. Additionally, very informative article about the Precious Gemstone "Emerald" is part of this edition.

As ever before, we, from the platform of PGJDC, highly value and appreciate your support in the development of Gems and Jewellery Sector of Pakistan and indebted to have you as a reader of PGJDC's Newsletter!

News & Events

Training Activities started at Muzaffarabad, AJK and Sargodha:

Gems and Jewellery Training activities have been started at the newly established Gems and Jewellery Training and Manufacturing Centers (GJTMC) at Muzaffarabad and Sargodha. The centers are equipped with the latest gems and jewellery machineries, equipments, tools and qualified instructors to impart trainings to the local sector. Gemstone Identification Laboratories are also setup at each of these training centers to facilitate the sector.



Initially, training programs in the spheres of Gemstone Identification, Gemstone Faceting, Gemstone Carving are offered at Muzaffarabad

where as gemstone identification, Manual Jewellery Designing, Computer Aided Jewellery Designing (CAD), Basic jewellery Manufacturing and Jewellery Pattern making in Wax are being offered at Sargodha training center. In addition to imparting trainings, manufacturing facilities of Gemstone Faceting, gemstone Carving and Bead Making are also being offered to the private sector.

Participation in Pak-Thailand Trade Commission:

The Third Session of Pakistan Thailand Joint Trade Commission was held at Islamabad on 12th - 13th August 2015.

The Honorable Minister for Commerce, Engr. Khurram Dastagir Khan presided the session and matters related to trade cooperation between the two countries were discussed during the session.

Mr. Khalid Aziz - General Manager Training and R&D represented Pakistan Gems and Jewellery Development Company (PGJDC) during the session and highlighted the Gems and Jewellery potential of Pakistan. He raised the issues faced by the Gems and Jewellery sector of Pakistan while doing businesses in Thailand. Collaboration between



PGJDC and (GIT) Gemmological institute of Thailand, was agreed upon. Modalities for the same will be finalized at a later stage with mutual consent.

Visit of Director PIM to PGJDC Head Office:

The Director Pakistan Institute of Management (PIM) visited PGJDC Head Office on 10th December 2015. PIM works under the Ministry of Industries and Production and provides trainings in various fields including management and marketing to various levels of professionals. During the visit areas of mutual collaboration between PGJDC and PIM were discussed. The CEO PGJDC highlighted the activities and interventions of the company and suggested areas in which collaboration between the two organizations can be assured.



Board of Directors meetings of PGJDC:



The 23rd Meeting of Pakistan Gems and Jewellery Development Company's (PGJDC) Board of Directors was held on 17th September 2015 and 24th Board of Director meetin was held on 29th December 2015. The meeting was held at PGJDC's Head office in Karachi.



The meetings of Human Resource Committee, Finance and Audit Committee, Procurement Committee and marketing committee of PGJDC's Board were also held on the same date.

Collaboration for 15th Pakistan Gems & Mineral Show:

PGJDC extended its full support and cooperation to All Pakistan Commercial Exports Associations (APCEA) for organizing the 15th Pakistan Gems and Mineral Show held in Islamabad on 31st July to 2nd August 2015. PGJDC facilitated APCEA in marketing and promotion of the event among the masses across Pakistan and generating stall booking for the event. A Gem Lab was also setup by PGJDC during the show through which Gemstone Identification services were provided to the exhibitors and visitors.

Visit of members Parliament to GJTMC Quetta:

Mrs. Munaza Hassan (MNA) Mrs. Nafeesa Inayat Ullah Khattak (MNA) and Mrs. Fahmeeda Jamali visited Gems and Jewellery Training and Manufacturing Center, Quetta on 1st September, 2015. They were briefed about the Initiatives of the company and the Gems and jewellery potential of Balochistan. The honorable visitors were impressed by the facilities offered at the centre and appreciated the company's efforts for the development of Gems and Jewellery sector of Balochistan.



Participation in International Conference at Quetta:

GJTMC Quetta presented a Research Article titled "Analyzing the Opportunity Recognition by Women Entrepreneurs in Quetta: The Role of Prior Knowledge and Social Networks" during the 2nd International Conference on Emerging Issues in Management and Economics (ICEIME 2015). The conference was held on October 9-10, 2015 at Balochistan University of Information Technology Engineering & Management Sciences (BUITEMS), in collaboration with Higher Education Commission (HEC) Pakistan. The conference provided a platform for national and international Professionals, Researchers, Academicians and Students to share their research work and knowledge on emerging issues in Management and Economics.



News & Events

Meetings

Meeting with Gems and Jewellery Sector at PGJDC Head Office on 10th October 2015:

A meeting with the Gems and Jewellery Sector of Karachi was held at PGJDC Head Office on 10th of October, 2015 to suggest improvements in the existing initiatives of PGJDC so that the development process of the Gems and Jewellery Sector of Pakistan could be furthered.



The participants while appreciating the efforts of the Company, gave valuable suggestions to PGJDC management for improvement. The participants suggested that similar meetings may be held on regular basis to institutionalize initiatives of PGJDC and develop ownership of the same among the Private Sector in particular. The

meeting was attended by prominent Gems and Jewellery sector stakeholders from Karachi.

Meeting on participation of Indian Jewellers in SAARC Trade Fair & WEXNET Exhibition 24th November 2015:

A meeting was held with the gems and jewellery sector stakeholders at PGJDC Head Office Karachi on 24th November 2015 to discuss the participation of Indian Jewellers in SAARC Trade Fair and WEXNET exhibition which was to be held at Lahore on 4th - 6th December 2015.

The participants raised objection on their participation and suggested that it should be allowed on reciprocal basis. The recommendations given by the sector were duly compiled by PGJDC and were forwarded to the Ministry of Industries and Production for consideration and further necessary action. The meeting was attended by renowned sector stakeholders from Karachi.



Meeting with Sarafa Association Sargodha on 13th October 2015:

A meeting of CEO PGJDC was held with Sarafa Association Sargodha during his visit to Gems and Jewellery Training and Manufacturing Centre Sargodha on 13th October 2015. The meeting was held at the office of the Association and more than 25 members of the Association including President of the association, Mian Abdul Jabbar, Director PGJDC Board and General Secretary, attended the meeting.



While talking to the participants of the meeting, CEO PGJDC highlighted the objectives of the Company and the activities and achievements which the Company has made for the uplift of Gems and Jewellery Sector of Pakistan. He informed the participants about the initiation of training activities at GJTMC Sargodha. He encouraged the representatives of Gems and Jewellery Industry to actively participate in the training programs, in the best interest of Gems and Jewellery Sector of Sargodha and adjoining districts. The participants showed keen interest in the various training programs being offered at GJTMC Sargodha and ensured their active participation and support in marketing of the training programs in the region.



Meeting at Muzaffarabad AJK:

A meeting of CEO PGJDC was held with the representatives of Azad Kashmir Chamber of Commerce and Industry, AJK Jeweller Association and Azad Kashmir Mineral and Industrial Development Corporation (AKMIDCO), during his visit to Gems and Jewellery Training and Processing Centre (GJTPC) Muzaffarabad on 12th October 2015. In addition, media personnel were also present during the meeting.



The CEO PGJDC highlighted the activities and objectives of the company. He briefed the participants about various departments at GJTPC Muzaffarabad and the training programs being offered at the training centre.



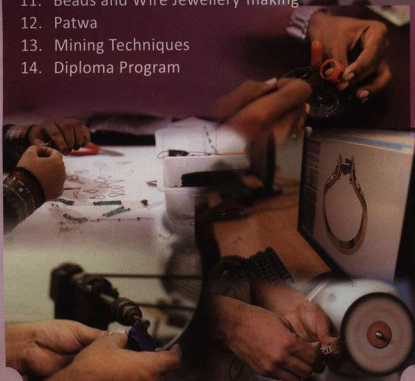
The participants showed interest and ensured their active cooperation in the initiatives of PGJDC specially GJTPC Muzaffarabad.

Meeting With District Officer, Pakistan Bait Ul Maal Gilgit:

In consideration to training emphasis of Pakistan Bait-ul-Mal on income generating activities of low-income group of women, Director GJTMC-Gilgit held a meeting with District Officer Pakistan Bait-ul-Mal Gilgit Baltistan. Keeping in view the availability of vast resources of gemstones in Gilgit Baltistan, Director GJTMC-Gilgit suggested to include the Gems and Jewellery Sector in vocational training program of Bait-ul-Mal Gilgit Baltistan. Skill development of human resource will help to strengthen and improve working capabilities of local entrepreneurs in setting up profitable Gems Mining business ventures locally coupled with providing livelihood to the lower strata of the society at their doorsteps.

Training Programs Offered at Gems and Jewellery Training and Manufacturing Centers

1. Gemstone Identification
2. Diamond Grading
3. Gemstone Faceting
4. Gemstone Carving
5. Manual Jewellery Designing
6. Computer Aided Jewellery Designing & Manufacturing (CAD / CAM)
7. Wax Carving
8. Jewellery Manufacturing
9. Jewellery Finishing & Polishing
10. Stone Setting
11. Beads and Wire Jewellery making
12. Patwa
13. Mining Techniques
14. Diploma Program



Training



Ms. Raheela Hameed Durrani, MPA Balochistan visited Gems and Jewellery Training & Manufacturing Center Quetta and distributed certificates among course participants.



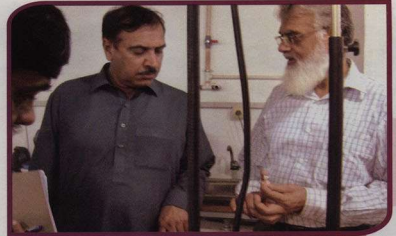
Meeting with Chamber of Small Traders & Industries, Quetta



3rd Certificate Distribution Ceremony held at GJTMC Karachi on 12th August 2015 Chaired by Chairman PGJDC.



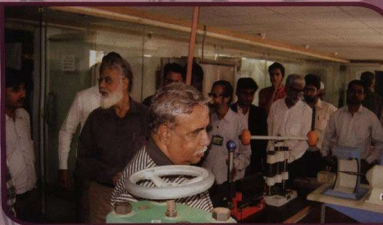
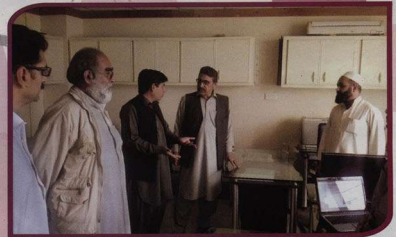
Director Behbud Association Karachi Visited GJTMC Karachi on 18th August 2015 for developing joint venture programs between both organisations.



Inspection visit by Deputy Director NAVTTC Mr. Aziz Ullah Chandio, Director Admin Mr. Naseer NAVTTC & Manager Finance Mr. Malik Arshad to GJTMC Karachi on 19th August 2015.



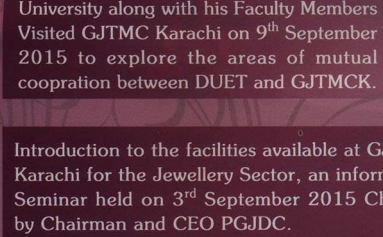
A Unique and informative workshop on Mina Kari held at GJTMC Karachi on 1st September 2015



Vice Chancellor Dawood Engineering University along with his Faculty Members Visited GJTMC Karachi on 9th September 2015 to explore the areas of mutual cooperation between DUET and GJTMC.



APCEA Peshawar Delegation visited GJTMC Peshawar.



Introduction to the facilities available at GJTMC Karachi for the Jewellery Sector, an informative Seminar held on 3rd September 2015 Chaired by Chairman and CEO PGJDC.



Members of Pakistan Gems and Minerals Association attending a Lecture on B2B Web Portal of PGJDC at GJTMC-Gilgit



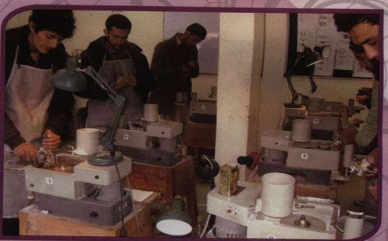
Training in progress under Hunar Mand Pakistan program in GJTMC Lahore



Chinese Buyers Visited GJTMC-Gilgit for Testing of Gemstones at Gem Testing Laboratory.



Commencement of First Training Program at GJTMC Sargodha



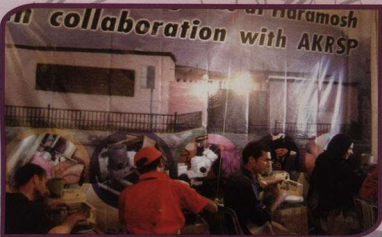
Trainees of the Course of Gemstone Cutting and Polishing at GJTMC-Gilgit in the Lapidary Workshop



Commencement of First Training Program at GJTMC-AJK



Meeting With Coordinator AKRSP, Ms. Sherzadi, for conducting course at Dassu Haramosh at Principal's Office GJTMC-Gilgit.



Gemstone Faceting Course conducted at Dassu Haramosh by GJTMC GILGIT in collaboration with AKRSP Gilgit-Baltistan.



Gemstone Cutting and Polishing Course conducted at the Center of Deosai Gems and Minerals in Gorikot Astore by GJTMC GILGIT in collaboration with AKRSP Gilgit-Baltistan.

Assaying & Hallmarking Centers

Training from Goldsmiths Company Assay Office London:

The technical staff of Assaying and Hallmarking Centres of PGJDC at Karachi and Lahore received training on Assaying and Hallmarking of precious metals from the Goldsmith's Company Assay Office London UK.

The training course provided a unique opportunity to the trainees to go behind the scenes and visit the Hallmarking system at Assay Office London. The trainers

of the Goldsmiths' Company Assay Office London trained the staff on the testing methods used in the Hallmarking process i.e. XRF, cupellation and titration. Training was also provided on methods used to apply Hallmarks such as Hand, Press and Laser Hallmarking. Tooling and Hallmarking Punches and Mixed Metal Hallmarking were also explained to the trainers.



Through the training course, the technical staff has learned how Hallmarks are applied to precious metal items and jewellery by traditional and modern methods. The same infrastructure of Assaying and Hallmarking of London Assay Office was then replicated at assaying and Hallmarking Centre Karachi and Lahore by the PGJDC staff .

Assaying & Hallmarking Centers

Gemstone – Emerald

Emerald is a green colored gemstone, a variety of the mineral beryl ($\text{Be}_3\text{Al}_2\text{Si}_6\text{O}_{18}$ beryllium aluminum silicate). The green color is caused by trace element of chromium. Emerald has hardness of 7.5 – 8, specific gravity is 2.76, crystallise in a Hexagonal system. Its name is derived from the Greek word "Smaragdus". Emerald is considered as one of the four most precious gemstones, together with Ruby, Sapphire and Diamond. It is the birthstone of people born in month of May having Zodiac sign of Taurus.

Emeralds, like all colored gemstones, are graded and valued using four basic parameters known as 4c's Color, Cut, Clarity, and Carat Weight together with geographic origin. In the evaluation of colored gemstones, color is the most important factor. The Color parameter is divided into three components, namely; Hue, Saturation and Tone. After Color follows clarity. As is the case with diamonds, a clear emerald will command a premium. Cut and carat (Weight) are also considered to be important factors in determining the value of the stone.

Colombia is one of the world's main source for emeralds. The three main emerald mining areas in Colombia are, Muzo, Coscuez and Chivor. Zambia, Brazil and Zimbabwe are also considered to be the major suppliers of Emeralds in the international market. Emeralds from Afghanistan and Pakistan are also very notable. The Emeralds found in Swat valley in Pakistan rank amongst the best in the world. With a pure verdant hue and a high degree of transparency, their colour is comparable to high-quality Colombian emerald from Muzo mines.

Throughout history, emeralds have been prized and worn by royalty and celebrities. In the first century BC, Ptolemy, had an emerald engraved with the portrait of Lucullus, the great Roman general.

It was known that Emerald was a favorite gem of Cleopatra, the Queen of Egypt, and the Emerald mine in Upper Egypt, rediscovered a hundred years ago near the Red Sea, was one of the earliest Emerald occurrences in the human history. The Irani State Treasure contains an exquisite collection of Emeralds, as well as the Emerald tiara of ex-Empress Farah. Shah Jahan, one of the moguls of India, that built the Taj Mahal, loved Emeralds so much that he had sacred texts inscribed into them and used these gemstones as talismans. The ancient writings of Veda, the sacred text of Hinduism, testifies to Emerald as being the "gem of good luck" and the "gem that improves one's well-being". These "Mogul Emeralds", as they are known today, can be found in modern museums and collections.

Alexander the Great had a large emerald set into his girdle. Charlemagne had a collection of emeralds, and Henry II, when he was made King of Ireland in 1171, was given a large emerald ring.

Queen Elizabeth II had an amazing collection of emerald jewellery including an emerald diadem. In modern times, Marlene Dietrich wore her own collection of dramatic jewelry set with huge emeralds (two bracelets and a clip) in many of her movies. Grace Kelly, another icon, was given a 12 carat emerald-cut from Prince Rainier.



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marketing@pgjdc.org
 for your convenience, all the previous issues of the newsletter have been uploaded on our website at
<http://www.pgjdc.org>



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