

# LAB INFORMATION CIRCULAR (L.I.C.)

## JOINT VENTURES.....

### RCCI - SDC

On 26<sup>th</sup>.Sept.'98, a formal agreement was signed between the Swiss Agency for Development & Cooperation (SDC) and Rajasthan Chamber of Commerce & Industry for the development of the Textile products sub sector and the **Gems & Jewellery** sub sector.

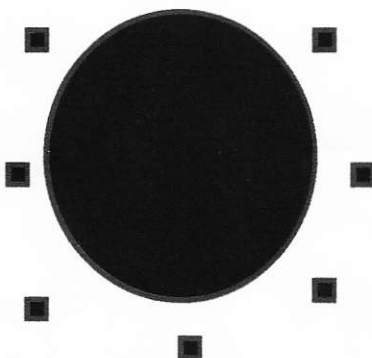
- The main objectives are development and modernization of the sector,
- emphasis on women entrepreneurs,
- build the capacity of local Trade Association

**GTL** and **JPDC**, Jaipur have been identified as a Resource organisation and FSU.

In the first six - month phase GTL conducted a 5 day **workshop** on Gem & Jewellery. Candidates in the 17<sup>th</sup>. Diploma batch were **sponsored** for **training** as well as for a **field visit** which includes attending the **National Seminar** in Gemmology at Hyderabad.

## HAPPY 1999

A BELATED ONE.....



Round table conferences and ventures.....!!

## EVENTS AND UPDATES

### Workshop on gem & Jewellery

- 21<sup>st</sup>. - 23<sup>rd</sup>. Dec.'98 conducted on behalf of FICCI Ladies Organisation, 29 participants.
- 8<sup>th</sup>. - 13<sup>th</sup>. Jan.'99 conducted on behalf of RCCI -SDC, 30 participants.

**Field visit to gem deposits** : Vikas Joshi visited Raipur, Hyderabad and Madras in Dec.'98 for data and sample collection on Indian gem deposits. Our grateful thanks to all those who assisted and provided the necessary facilities.

## UPCOMING EVENTS

### The National Seminar on Gemmology

5<sup>th</sup>. - 7<sup>th</sup>. March'99, is being held at Hyderabad. Organised by the Deccan Gem Society, this event is bringing together gemmologists from all over India. Technical paper presentations, visit to the Chrysoberyl mines at Aruku are some of the highlights.

Contact : Mr. Satish Shah  
Ph.040-4614797 / 595389

email:  
satish@hdl.Vsnl.net.in

### 27<sup>th</sup>.International Gemmological Seminar

The IGC is held every two years and this year is being held at Goa. Technical paper / poster presentations, pre and post conference field trips and are the main highlights.

The event is being coordinated by Dr. Jayshree Panjekar and Mr. K. T. Ramchandran from GII, Mumbai. Attendance is by invitation only.

**EDUCATIONAL ACTIVITIES****DIPLOMA RESULTS****XVIII<sup>TH</sup> BATCH**

Congratulations to

1. Trivesh Singh 1<sup>st</sup>.
2. Sunil Perival
3. Nasser A.H.Al-Balushi

**NEXT DIPLOMA BATCH**

19<sup>TH</sup> BATCH COMMENCES  
FROM 16<sup>TH</sup> JUNE '99.

**ADMISSIONS OPEN.****NEXT BATCH-FACETING**

Will be scheduled in April '99. Those ex-students (Diploma Course) of GTL who are interested may fill in the forms. Exact dates will be intimated subsequently.

**Souvenir- cum - Directory**

All ex-students of GTL are requested to collect their personal copy and their Silver jubilee certificates from GTL on any working day. Those who are unable to collect personally are requested to send an authorization letter duly attested for receipt.

The Souvenir is also available on sale at Rs.50/- per copy. Courier charges for postage will be added on where applicable.

**WEDDING BELLS**

Congratulations and Our Best Wishes to **Sunil Sarma and Navita** who tied the knot on 9<sup>th</sup>.Feb.'99 at Jaipur.

**Tucson backs Blue**

At the Tucson show this month blue stones were being promoted and an overall trend for blue was seen.

In the past two months this trend for Blue has been obvious with a much higher percentage of blue stones being brought in for certification.

With demands for Tanzanite & Aquamarine running strong, any stone which has a similarity in appearance is being sold as such.

A number of **Packet lots** were certified and the most common mixtures included

- synthetic sapphire,
- synthetic spinel
- synthetic blue quartz
- iolite
- kyanite
- light blue topaz

**Natural Yellow Sapphire**

A few packets were submitted. Mixtures included

- Nat. Yellow Sapphire
- Syn. Cubic Zirconia
- Citrine, Quartz

Quick Help : Check the Heft of such pieces. In Bromoform liquid citrine will float while the others will sink. C.Z has dispersion and is much heavier than sapphire.

**Colour Changing stones**

There have been a number of such stones certified recently of different species.

**GTL CRITERIA**

A stone which changes colour when moved from daylight to lamplight is considered a colour changing stone.

Please note:

- light must be reflected from the table surface and not transmitted through the stone.
- whether the colour change is 1% or 20% or 100%, the fact remains that the stone has changed colour.
- we do not have any objective method by which we can judge that the C.C. is 15 % or otherwise.
- the arguments are centered around the business angle i.e. the costs.

Stones certified include:

- Nat. Alexandrite
- Natural Chrysoberyl (colour changing) - olive green to brown
- Garnet, colour changing
- Nat. Sapphire (colour changing)
- Syn. Sapphire (colour changing)

## SOME INTERESTING STONES

Of late GTL has been receiving some size stones for testing. With the O.T.S. facility, a number of people are taking advantage of getting their higher value stones certified On The Spot.

7ct. + Diamond

40ct. + Natural Emerald

20ct. + Natural Ruby

25ct. + Natural Sapphire etc.....

## TREATED STONES

This issue has remained a major concern with traders and gemmologists alike.

The most worrying of all is mainly the **fracture filling of stones**.

We have examined a **Glass filled diamond** exhibiting the classic purplish pink colour flash. This stone apparently appeared clean during purchase and the crack opened up while setting.

**Glass filling in rubies and emeralds** to be identified, has become a routine request by the trade. We can only volunteer an opinion, no certification.

## Gem Testing Facilities

- Single stone - Regular category
- Single stone - On The Spot (O.T.S.)
- Packet Lot - Same colour lots only
- Sealing facility available for single stones.

**S**end us your comments and suggestions so that we may bring you more information and updates.

Gem Testing Laboratory,  
Rajasthan Chamber Bhawan,  
M.I. Road, Jaipur 302003.  
Ph/Fax: 91-141-568221/ 573565

## ANOTHER TAMPERED

The copy below speaks careful.

## CERTIFICATE

for itself. Please be

**Contact Persons :** Shyamala Fernandes, Sunil Sarma, Vikas Joshi

**ORIGINAL**

**TAMPERED**



GEM TESTING LABORATORY  
(Recognized by Ministry of Commerce, Govt. of India)  
RAJASTHAN CHAMBER BHAWAN, M.I. ROAD, JAIPUR 302003 Phone - 568221

Ref No : CB35CA63450-OTS

Date : 08/09/98

NAME : TO WHOM IT MAY CONCERN

### GEM IDENTIFICATION CERTIFICATE

The information contained in this certificate, to the best of our knowledge & ability, identifies the specimen submitted for examination. The results obtained are as follows :-

Weight : 15.46 Cts  
Colour : PURPLISH PINK  
Mounted or Unmounted : UNMOUNTED  
Type of cut & Dimensions : IRREGULAR ROUND CABOCHON 13.38X13.16X8.85MM  
Refractive Index : 1.760 (SPOT)  
Magnification : GAS BUBBLES AND CURVED LINES ARE SEEN

Other Test :

Comments :

From the above tests the specimen is identified as

**"SYNTHETIC RUBY"**

#### Note

1. This certificate does not indicate whether the stone has been treated or not to its present colour by any process, what so ever, unless otherwise specified.
2. Tests which are not applicable or useful in identification are For GEM TESTING LABORATORY not performed.
3. This certificate does not pertain to the quality of the stone or its colour.
4. This report describes the properties of the stone specimen on the said date. G.T.L. Jaipur will not be held responsible for use of this certificate with any other similar appearing specimen.

GEMMOLOGIST

**SYNTHETIC RUBY**



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Refractive Index : 1.760 (SPOT)  
Magnification : GAS BUBBLES AND CURVED LINES ARE SEEN

Other Test :

Comments :

From the above tests the specimen is identified as

**"NATURAL RUBY"**

#### Note

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GEMMOLOGIST

**NATURAL RUBY**

**CHECK IT OUT**