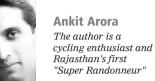
ARBIT it happens here...



One such artist who I met and learnt from is Mr. Harish Chand who has been into making miniature paintings for almost 50 years. He has many beautiful paintings to his name from all the Schools of Rajasthan miniature paintings and has tried making them on all kinds of surfaces including wood, metal, ceramic, ivory, silk, sanganeri handmade paper and canvas. So for almost 10 days in Jaipur, Mr. Harish Chand was my guru to teach me the extraction of stones and preparation of natural colours from them. Another artist who I met in this process of finding natural colours from Jaipur is Mr. Hemrana who is also an art curator and works alone with the natural miniature painters in Jaipur.

Colours From Stones



was on a hunt for the natural colours in Jaipur and learnt about it from the experts of miniature paintings in which naturally procured colours from stones are used.

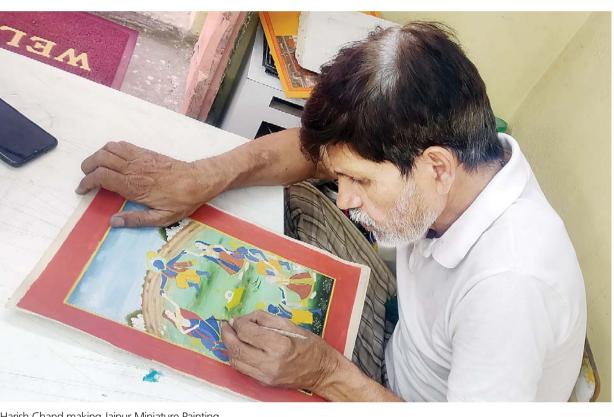
My cycle journey to explore the tradi

tional arts and crafts in India has recently led me to learn about the natural colour making in Jaipur which are made of stones and natu ral resources. These natural stone colours have been used by the painters to make beautiful paint ings from Jaipur School of minia ture paintings. And the stones which are used to make these colours are the same ones being used in precious gems ieweller making and also in Ayurvedic med-

The preparation of natural colours from stones, leaves and flowers really intrigued me and I decided to find its depth by learning it by myself from the artists in the tiny lanes of old Jaipur city. The miniature art painters reside in various small lanes near Badi Chaupar, Choti Chaupar, near Hawa mahal, near City Palace and Govind Dev Ji temple. The artists have their very old small workshops in these lanes which were mostly taken by their ancestors almost 50-60 years ago on a paltry amount of rent like 1-2 rupees a month and still it's very minimal which is just 500-600 rupees a month. These traditional old houses made of lime mortar with small entrance gates where one has to bow down before entering. These houses are the main places where the world - famous Jaipur miniature paintings are



made.



Harish Chand making Jaipur Miniature Painting.

#HERITAGE

One such artist who I met and learnt from is Mr. Harish Chand who has been into making miniature paintings for almost 50 years. He has many beautiful paintings to his name from all the Schools of Rajasthan miniature paintings and has tried making them on all kinds of surfaces including wood, metal, ceramic, ivory, silk, sanganeri handmade paper and canvas. So for almost 10 days in Jaipur, Mr. Harish Chand was my guru to teach me the extraction of stones and preparation of natural colours from them. Another artist who I met in this process of finding natural colours from Jaipur is Mr. Hemrana who is also an art curator and works alone with the natural miniature painters in Jaipur.

The main raw materials used in making miniature painting are dif-ferent types of colours which are procured from various types of stone, flowers etc. The painting is done either on cloth or Sanganeri handmade paper. These are procured from the local market and further processed to make it suitable for painting.

Natural Colours Various colours are extracted from atural sources like stones, flowers

Jaipur Maharaja's Miniature Painting.

he main raw materials used in making miniature painting are different types of colours which are procured from various types of stone, flowers etc. The painting is done either on cloth or Sanganeri handmade paper. These are procured from the local market and further processed to make it suitable for painting.

ing and filtering process. These are all gum and water based colours. Mainly the stone colours are used in paintings because of their permanency. Vegetable and other flower colours are water based and are not as long lasting as stone

and leaves through intense grind-

Making of Stone Colour

At first the available colours are ground on a stone slab or preferably by mortar and pestle (by rubbing or grounding) to bring them in a powler form. Then that powder is dissolved in water to be filtered. The filtration process is continued till the colour becomes totally earth or sand free. Thereafter water is removed and the colour is dried and kept in form of powder. When required, the desired colour along with some dry gum is dissolved slowly in water with the help of finger or thumb. The colour is now ready to be used.

By dissolution, the colour starts getting thicker and gains the consistency of a paste and then pressure is required to be applied. The colour gets well mixed from the strength applied at this time. This process is termed as tempering. If the colour is once allowed to get dry and then made thinner as per requirement by adding water then it gives better results The colours used in painting can

be divided into four main groups:

Miniature painting of Govind Dev Ji

Earth or mineral colours Vegetable colours

Oxide colours Metal colours

Earth or Mineral Colors

- Colours available in the form of stones come under this category,
- which are mainly Khadiya stone for white colour Hartal and Ramraj stones for yel-
- Singraf stone for red colour
- Malachite stone for green Hazratbel for grey
- Hansraj stone- brown Mensar and sindoor stone-
- orange Sararevan stone- light yellow

Black colour- A sand lamp is placed over a lighted lamp till black soot or lamp black "kajal' is obtained there from. Babul gum. Acacia resin and water are added to this kajal and ground slowly with the first finger till it gets tempered to obtain a fine black color.

Vegetable Colors

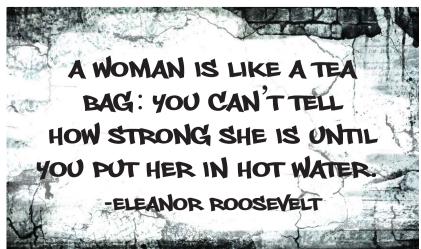
The colours obtained from different parts of trees or plants come under this category. For example the preparation of Red colour from the bark of the peepal tree. The bark is immersed in water and cleaned. Then it is crushed along with borax -suhaga and heated in an iron pot. Colours obtained from flowers



By Rick Kirkman & Jerry Scott

Sea shells are used to keep and mix natural colour.

THE WALL







International Civil Aviation Day

n 1901 something was accomplished that hadn't happened in the history of mankind, a man flew upon a glider and covered a respectable distance in a manmade device that was not held aloft by lighter-than-air gas. The skepticism that greeted this event was profound, with people all over the world saving the Wright Brothers were more liars than fliers. International Civil Aviation Day celebrates the science, art, and sport of aviation that grew out of this initial glide, and the men and women who push the frontiers of it today.

#HAPPENINGS@QATAR

Asian Tigers' Exit was Disappointing

But story of departure of Japan and Korea follow absolutely different scripts

FIFA WORLD CUP

A.A. Banerjee

fter the optimism and euphoria created by performances in the

last round of group matches, it took a little under six hours for the Asian challenge at the 2022 World Cup to fizzle out. Japan and South Korea, who have been Asian football's standardbearers for a generation, went out in contrasting fashion. The Japanese suffered the heartache of another penalty shoot-out exit, while South Korea had nowhere to hide against a rampant Brazil. There is much to learn from the progress that both teams have made, and also from the manner

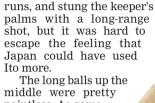
of their exits. Japan more than matched Croatia for vast stretches of the game, but seemed to run out of belief when they needed it most. Croatia's midfield veterans controlled the game for much of the second half, especially after Ivan Perisic's brilliant headed equaliser, but Japan's pace on the break remained a con-

stant threat. What Japan and Morivasu Haiime their coach, perhaps

Qat_ar2022 didn't do was ruthlessly exploit obvious Croatian weaknesses. Borna Barisic, the left-back, has had a pretty awful start to the season with a Glasgow Rangers team

that went out of the Champions League without even a point from six games. Drafted into the XI in place of Borna Sosa, Barisic ran out of gas midway through the second half. But despite Junya Ito on the

right side of the Japanese midfield being full of running and a real threat with his crosses, Japan didn't target Barisic enough. Most of the attacks came from the outstanding Kaoru Mitoma, the second-half substitute who plays for Brighton in England, on the left of midfield. Mitoma had a couple of storming



pointless. As gameas Takuma Asano chased them. he was never 🔍 going to get the better of

Josko Gvardiol. The Croatian centre-back only turns 21 in January, but his performances here have ensured that RB Leipzig will bank well in excess of \$80 million if they do decide to sell him next summer. Physically imposing, positionally adept and strong in the tackle, the masked Gvardiol has been the tourna ment's most commanding defender, eclipsing even the

Netherlands' Virgil van Dijk. Where Japan really lost it though was in the shootout. Having failed to take advantage of their younger legs in extra time, they found the challenge from 12 yards too much to

handle. As a collective, Japan was a match for three of Europe's finest teams. Penalty kicks, however, put the spotlight squarely on the individual. And the Japanese simply didn't have the experience or nous to handle

The difference in body lan guage was stark. Marcelo Brozovic has won a Serie A title with Inter Milan, and reached a World Cup final with Croatia. He swaggered to the spot, and dispatched his penalty with utmost coolness. In contrast, the three kicks Japan missed were tame affairs, struck with no belief at all. Even Takumi Minimino, who won trophies with Liverpool before moving to Monaco last



Ivan Perisic of Croatia. summer, seemed to shrink as he

neared the spot. Yuto Nagatamo, the veteran Japanese left-back who spent seven years at Inter Milan, had given a stirring pre-match speech where he asked his teammates to fight like the Samurai. But when it came to the crunch, it was Croatia's stalwarts, with years of top-level experience in their boots that battled like the Japanese warriors of old. Japan was close, very close, but that final gap – the men tal one – is perhaps the hardest to bridge in sports.

Japan got unlucky but Korea was outgunned by Brazil

Korea have no need for such soul-searching. In their case, it was simply a lack of quality that ended the journey. As many as 14 of the Korean squad of 26 play at home in K League 1. Only six ply their trade in the top European leagues. And of those, only Kim Min-jae, at Serie A leaders Napoli, and Son Heung-min, at Tottenham Hotspur, play for leading clubs.



Once Brazil hit them hard and early, South Korea lost the discipline and poise that had taken them past Portugal in the group stage. The defensive line was nonexistent, with Brazil cutting through almost at will. Had they not taken their foot off the pedal in the second half, the scoreline could have been really ugly.

The irony is that South Korea managed six shots on target to Brazil's nine, with Alisson Becker making some stunning saves. But

game.

Hwang

chan

Son had a poor and Heecouldn't find a finishing

touch to match his endeavour. In three World Cups going back to 2014. South Korea have managed just 11 goals in 10 matches. The ast two Asian Cups (2015 and 2019) have seen them score 14 from 11. You simply don't win trophies like that, not unless you can control the ball and games like Spain's 2010 vintage



Japan coach Hajime Moriyasu.

Ronaldo Remains the Star ...but is mysteric his future plans ...but is mysterious about

not about money as he still has a "He (Cristiano) has not decided anything officially yet about

his move to Al Nassr, He still wants to play at a higher level For Ronaldo, it is not about money. He has a lot to offer in the game." said Catherine who is a iournalist from Portugal. She added, "Ronaldo enjoys pressure. He is waiting for the opportunity. He still has a lot to

used to be in the news."

give in this World Cup. He is not affected by the rumours. He is

and queens in the paintings. Gond (gum) is used to mix with all the colours to give them permanency and binding power. This gum is procured from the bark of Babool The artists belonging to Jaipur miniature painting focus on gods and goddesses, kings and durbars and nature, with colourful themes. The Amber - Jaipur School of miniature painting is deeply rooted n Indian traditions. writetoarbit@rashtradoot.com



are not very useful in the miniature

paintings where the work demands

very good texture and contrast

among various hues which can only

be seen through thick and strong

colour materials like stone and

sand. Although flower colours are

used in watercolour paintings and

other details which requires mini-

mum texture. A very beautiful

orange colour can be made by soak-

ing the flowers of Tesu (Palash) in

water overnight. It is said that Lord

Krishna also used to play Holi with

Tesu flowers which is considered to

Sinduria seeds are red in colour

e the traditional colour of Holi.

and give dry and wet red colours.

Red sandalwood powder can be

boiled in water to obtain a good red

Tools used in miniature paintings

are round and flat brushes of differ

ent sizes are made from squirrel

hair. These brushes are suitable for

making very fine details on the can-

vas and are long lasting. Seep

(Shells) with smooth surfaces are

used to keep colours and these also

are used for burnishing, and as

known technique is "Hakikka

Pathar" or burnishing stone. The

paper coated with a mixture of

Khadiya and Gond. This helps in

making the surface smooth and

therefore the movement of brush

Varakh (Gold Leaf) is a decorative

nedium which is applied to enhance

he borders and jewellery of the

drawn/painted characters like kings

stone is used to rub on a handmade

One very traditional and lesser

oowls for mixing colours.

becomes easy

Tools and Materials

Anilava Chatterjee from Qatar

ortuguese superstar Cristiano Ronaldo is unfazed with the speculations of him joining Saudi Arabian club Al Nassr. Reports have linked him to a move to Saudi Arabian club Al-Nassr but no deal has yet been signed. The talisman was seen training with teammates at the Al Shahania

stadium on Monday night ahead of Portugal's all important quarfinal clash against Switzerland. Ronaldo looked focused as he trained alongside Bruno Fernandes, Pepe, Joao Felix and others.

According to Portuguese media, there is no official confirmation about Ronaldo joining Al Nassr. The five-time Ballon d' Or winner has not decided anything officially. The Portuguese media covering the FIFA World Cup 2022 in Qatar have doubts over Ronaldo playing for the Asian club as they feel the superstar footballer wants to continue playing at a higher level of club foot-

ball in Europe. For Ronaldo, it is



Cristiano Ronaldo unfazed with Al Nassr speculations.

Will he play for Saudi or remain alive in European Club Circuit?

lot to offer.





ONE SONG. WE'LL ENTER 40U'RE NOTHING THE STADIUMON BASICALLY TOO CRAZY. HANG GLIDERS! BACKGROUND MUSIC GOT IT?





ZITS





By Jerry Scott & Jim Borgman





Where Japan really lost it though was in the shootout. Having failed to take advantage of their younger legs in extra time, they found the challenge from 12 yards too much to handle. As a collective Japan was a match for three of Europe's finest teams. Penalty kicks, however, put the spotlight squarely on the individual.

After the group stage, there was so much excitement about the rest of the world catching up, with six of the last 16 coming from Asia (3), Africa (2) and North America (1). But the old order has now ruthlessly reasserted itself. And as painful as these defeats were, especially for Japan, we can only hope that the lessons learned from them will benefit Asian football in the vears ahead.

By his standards, it has been a very quiet World Cup for Ronaldo compared to Lionel Messi and Kylian Mbappe. The former Manchester United striker has scored only one goal from penalty so far against Ghana. Portugal will look forward to

Ronaldo for inspiration in Tuesday's pre-quarter final clash against Switzerland at the Lusail Stadium. It will be interesting to see if he starts for the fourth con secutive time in this World Cur after Portugal coach Fernando Santos expressed his displeasure at Ronaldo's reaction after being subbed off in the game against South Korea.

As far as the team news is concerned. Santos will recall his main players who were rested in the game against South Korea The likes of Bruno Fernandes Bernardo Silva, Joao Felix and Ruben Dias are all set to return. Raphael Guerreiro can play in left-back position while Joao Cancelo can operate in the right. The last time these two sides met, Portugal beat the Swiss 4-0 in the UEFA Nations League in June before losing 1-0 in the