

# Not as good as real, but new prosthetics give confidence to live independent lives

Advanced Material, Tech Come Handy; Below-Knee Artificial Limb Easier To Use: Doctors

**Anuja Jaiswal & Somrita Ghosh | TNN**

New Delhi: Life can be hell for people who lose their limbs in accidents or to some disease. And while prosthetics manufacturing in India lags in terms of technology and utility achieved in advanced countries, modern science still provides the assistance that those without limbs need to shrug off dependence on others.

India's famed Jaipur Foot, created by the charitable Bhagwan Mahaveer Viklang Sahayata Samiti, and some made by Artificial Limbs Manufacturing Corporation of India (ALIMCO), a Kanpur-based PSU under the Union social justice & empowerment ministry, are bulky, basic and, technology-wise, almost anachronistic. "The limbs manufactured by us are mainly useful for the masses. They help the users earn their livelihood despite disabilities, but, yes, they are not as technologically advanced as those available in other parts of the world", admitted Praveen Kumar, general manager, ALIMCO. A lower limb at ALIMCO costs between Rs 10,000 and Rs 30,000, while a mechanical hand costs just Rs 5,000.

Major general Ian Cardozo, retd, (86), who lost his leg during the 1971 India-Pakistan war and has used prosthetics for over 51 years, said his first artificial limb was fitted in 1972. "What I received then was a wooden shaft and a rubber foot. It was much heavier than the one I use now," said Cardozo.

The general might have made do with what he was provided. But BSF jawan Mukesh Kumar Chaudhary (37), who lost his right hand and a few fingers during a terrorist attack on an Army camp in Chamliyal in Jammu in 2016, isn't so sure about even the improved prosthetics. "I was given an artificial hand, but it has not turned out to be as easy to use as I had imagined. Despite several repairs, I face difficulties in moving the fingers and holding on to things, such as a glass," said Chaudhary, who is presently posted in Delhi.

According to Dr Neeraj Goyal, senior consultant surgeon at Patparganj's Max Super Speciality Hospital, not everyone with a disability is a good candidate for prosthetics. The type of amputation is a factor, and a below-the-knee

## GIFT OF HOPE

- Primary causes that may lead to amputation**
- Falling from height
  - Road accidents
  - Injury while working in a factory or agricultural land
  - Injuries owing to landmines, earthquakes, bomb blasts
  - Injuries during a war
  - Peripheral vascular diseases, such as diabetes



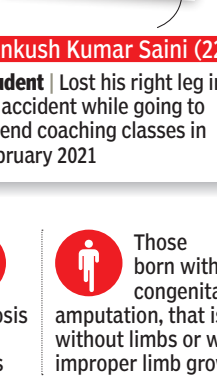
**Mukesh Kumar Chaudhary (37)**  
A BSF jawan, lost his right hand and a few fingers during a gunfight in Jammu & Kashmir in November 2016



**Ankush Kumar Saini (22)**  
Student | Lost his right leg in an accident while going to attend coaching classes in February 2021



**Iqbal Ahmad (62)**  
Private worker | Lost his left leg after gangrene infection



**Anuj Deol (24)**  
A student, was critically injured after an accident on December 25, 2021. Despite multiple surgeries, doctors could not save his left leg



artificial limb is easier to use than one above the knee. "If the knee joint is intact, the artificial limb requires less effort in movement and mobility is better," he explained.

However, the function of the upper limb is far more difficult to replace than of the lower limb. "The complexity of the human upper extremity is evidenced by the massive proportion of space dedicated in the brain to the motor control and sensation of the hand and fingers. Thus, it is not surprising that persons with upper-limb amputation are generally less satisfied with the restoration of function provided by their prostheses relative to those with lower-limb amputation," Goyal added. Physical health and lifestyle were also important considerations when deciding the type of prosthetic limb suitable to a user.

At AIIMS Delhi, 129 patients got prosthetic limbs in 2022 and 135 in 2021. "With time, the quality of prosthetics has improved. Artificial limbs can cost in lakhs, but in AIIMS we provide them for Rs 3,000-5,000, depending on length. The beneficiary must also be taught how to walk or hold using artificial limbs," said Dr Sanjay Wadhwa, professor and head of physical medicine and rehabilitation at the hospital.

He said amputation sometimes becomes necessary to save a limb or life, such as when someone has a malignant tumour of bone or muscle or when a limb becomes gangrenous. Train accidents affect the limbs much more than road accidents.

Dr Wadhwa noted that under certain critical conditions and for rehabilitative surgery, amputation has to

**Unlike conventional exoskeletal prosthetics commonly made of wood or plastic, modern endoskeletal ones are made of stainless steel and carbon fibre**

be done in a way to allow the person to be fitted with the best possible appropriate artificial limb in terms of functional restoration, durability and looks.

Over time, there has been a remarkable improvement in what the prosthetics allow the users to do, including to run and climb and to reach out for and grasp an object. "Sensor-based artificial limbs are also available now," revealed Wadhwa.

Anuj Deol, who lost his left leg in an accident on Decem-

ber 25, 2021, is one of the new beneficiaries. The MBA student from Moradabad said, "Though I lost a leg, I didn't lose hope, especially after being told about the prospect of leading a near normal life with a prosthetic. After undergoing a few months of physiotherapy, I almost live a normal life now. I use my prosthetic leg for 12 hours a day and indulge in all activities, including cycling, and no one can tell that I use an artificial leg."

Hardwar resident Ankush Kumar Saini lost his right leg in an accident in February 2021, now says, "I feel independent today. The artificial limb has given me much confidence." Saini, a final year polytechnic student, told TOI that he underwent five surgeries before amputation and then rehabilitation at the Indian Spinal Injuries Centre in Vasant Kunj.

Iqbal Ahmad, a diabetic senior citizen from Mayur Vihar Extension, too feels he hasn't been inconvenienced by the loss of his left leg due to gangrene. "I have been using an artificial limb for many months without any difficulties," he said, adding only that he wished the latest technology had been available.

AIIMS' Wadhwa said the important goal of using prosthetics was to help reintegrate the person back into

family and community with confidence and optimum earning capacity.

Taposh Das can testify to the difference such a limb can make in life. He was hit by a train in Kolkata 35 years ago and lost his lower left leg. But his loss paved a new path for him after getting a prosthetic when he associated himself with the Rotary Divyang Kendra in east Delhi's Karakooda. He manufactures artificial limbs, having trained for a year under Ram Chandra Sharma, known for developing the Jaipur Foot, and orthopaedic surgeon Dr PK Sethi. "I have had a fake leg for 35 years. It sometimes hurts, especially if I walk for a long time, but it did not allow my disability to become my weakness," smiled Das.

A beneficiary of Das' prosthetic, Rasidan (46), lost her leg when hit by a train in Dadri as a child of four years. Till the age of 12, she hopped around on one leg before getting her first prosthetic limb from Gandhi Viklang Hospital. "I believe that if I hadn't got the artificial leg, I would have been restricted to the bed. As a kid, it was okay to hop around on one leg, but as an adult that was out of the question," said Rasidan. "It's god's blessing that I can manage things on my own, though there are indeed times when I regret not hav-

ing a real leg."

More amputees consider prosthetic limbs these days than earlier because of the obvious benefits, said Dr Adishwar Sharma consultant reconstructive and plastic surgery, Fortis Memorial Research Institute, Gurgaon. "People from west Asia and African countries request for prosthetic limbs as customised options are now available in India," revealed Sharma, who also disclosed having got a silicon finger himself. "A prosthetic limb can last for 10 years or more depending on the components used, though it requires a lot of care too."

Modern materials are now used for artificial limbs. Prosthetist and orthotist Pradeep Kumar said unlike the conventional exoskeletal prosthetics commonly made of wood or plastic, modern endoskeletal ones are made of stainless steel and carbon fibre, the latter being water- and weather-proof. They are functionally superior and cosmetically have higher acceptability. While exoskeletal prostheses do not provide efficient movement, the endoskeletal ones do besides being lightweight and less cumbersome to use.

Kumar pointed out that myoelectric upper limb prostheses are the most advanced in the field. They have sensors located in the socket that pick up nerve-end signals to activate an electrical motor fitted in the hand or wrist unit and facilitate the desired movements of the fingers. He said while an exoskeletal prosthetic limb costs Rs 15-20,000, a similar endoskeletal limb can cost up to Rs 3.5 lakh.

Daily wage Vinod Gupta, (30), recently lost an arm and a leg due to electrocution. He has acquired a prosthetic leg while an arm will be fitted later. Brother Pramod said the fake limb has made Vinod independent to a great extent. Gupta was lucky in getting a prosthetic leg.

Arman Ali, executive director, National Centre for Promotion of Employment for Disabled People, said that even with the existence of government schemes facilitating artificial limbs at a reasonable cost, not all disabled persons are able to avail the benefits due to eligibility criteria.

He said the government should provide prosthetics at subsidised rates to make them affordable to those who require them.

## Man kills wife's lover, chops body into 8 pieces, dumps them in Gzb

**Ghaziabad:** A 35-year-old man allegedly stabbed his wife's lover with a knife, cut the body into eight parts and dumped them in different places of Khoda colony on Friday, reports **Avishkek Kumar**.

Mihlal Prajapati, a rickshaw-puller, had come to know that his wife, a cleaner at a private hospital, was involved in an illicit relationship with one Akshay Kumar (25) for the past 2 years. Akshay, police said, came to live in Khoda colony a couple of years ago and started working as a labourer. He lived a few houses away from Prajapati's building. Prajapati lived with his second wife and

four children. Diksha Sharma, DCP (trans-Hindon), told TOI that the police had received some inputs that a man had been murdered in Khoda colony a little after Thursday midnight. Since the authenticity of the information could not be ascertained, the cops chose to wait. "Around 5pm on Saturday, a caller from Khoda informed us that he had spotted a suspicious sack in his area. A police team rushed there and opened the sack to find a part of the abdomen. The team initiated a search in the area and found 7 other bags containing the remaining body parts," she said.

**INDIAN INSTITUTE OF TECHNOLOGY GANDHINAGAR**  
Special PhD Admission Drive for Students from SC/ST/PwD/OBC(NCL) Categories [Semester-I, 2023-24]  
Online applications are invited from highly motivated candidates from SC/ST/PwD/OBC (NCL) categories for admission to PhD Programme in Biological Engineering, Chemical Engineering, Chemistry, Civil Engineering, Cognitive Science, Computer Science and Engineering, Design, Earth Sciences, Electrical Engineering, Materials Engineering, Mathematics, Mechanical Engineering, Physics and Humanities & Social Sciences. Selected students may join the programme in May/July 2023. **Application Deadline: 25 March 2023**  
For more information, visit: <https://iitgn.ac.in/admissions/specialdrive>

**Dr. Ram Manohar Lohia Institute Of Medical Sciences**  
Vibhuti Khand, Gomti Nagar, Lucknow-226010 (UP) India  
Ph: 0522-6692000, 6692101, Fax: 0522-4918506 Website: [www.drmlims.ac.in](http://www.drmlims.ac.in)  
Ref. No. : 4180/RMLIMS/2023 Dated: 21.01.2023  
**Admission Notification**  
Applications are invited online from eligible Indian Nationals for admission to M.Sc. Nuclear Medicine 2 year course for the session January 2023-24.  
**Total No. of Seats: 06 [UR (04), OBC (01), SC (01)]**  
Detailed information of application process & entrance examination can be obtained from the institute's website [www.drmlims.ac.in](http://www.drmlims.ac.in) or <http://drmlimsexam.org> w.e.f. 23.01.2023. Application form has to be filled online. The last date to submit completely filled application form online is 10.02.2023. **Director**

**Dr. Bhimrao Ambedkar Law University**  
"RUSSA Bhawan", Shiksha Sankul, J.L.N. Marg, Jaipur (Rajasthan)-302015,  
Ph. No. : 0141-2941442, Website: [alujaiipur.ac.in](http://alujaiipur.ac.in), E-Mail : [vcsearch@alujaiipur.ac.in](mailto:vcsearch@alujaiipur.ac.in)  
No. : ALU/Reg/2023/9747 Dated : 19/01/2023  
**Adv No. 01/2023**  
**Advertisement for the Post of Vice-Chancellor**  
**Dr. Bhimrao Ambedkar Law University, Jaipur (Rajasthan)**  
On behalf of the Chairman, Search Committee, applications are invited for the post of Vice-Chancellor, Dr. Bhimrao Ambedkar Law University, Jaipur (Rajasthan). The candidates are advised to apply in the prescribed application format by post and email to [vcsearch@alujaiipur.ac.in](mailto:vcsearch@alujaiipur.ac.in) so as to reach the office the undersigned on or before 22.02.2023. Details of advertisement and prescribed application format (Standard Format for CV) should be downloaded from the University website [www.alujaiipur.ac.in](http://www.alujaiipur.ac.in) or from website of Raj Bhawan [www.rajbhawan.rajasthan.gov.in](http://www.rajbhawan.rajasthan.gov.in).  
Raj\_Samwad/C/22/13660 Registrar

**DELHI ELECTRICITY REGULATORY COMMISSION**  
Vinayak Bhawan, C-Block, Shivalk, Malviya Nagar, New Delhi - 110 017  
Telefax: 26673608, 41080417

### ENGAGEMENT OF STAFF CONSULTANTS IN DERC.

DELHI ELECTRICITY REGULATORY COMMISSION invites applications for Engagement of following Staff Consultants:-

| Sl. No. | Name of post                          | Number of post(s) | Division             |
|---------|---------------------------------------|-------------------|----------------------|
| 1.      | Staff Consultant (Engineering)        | 2                 | Engineering Division |
| 2.      | Staff Consultant (Tariff-Engineering) | 1                 | Tariff Division      |
| 3.      | Staff Consultant (Tariff-Finance)     | 1                 | Tariff Division      |

For details such as eligibility, qualifications, experience and other terms & conditions of engagement, application format etc, please refer to DERC website [www.derc.gov.in](http://www.derc.gov.in). The last date for receipt of application is 30 days from the date of publication of advertisement in newspapers.

Sd/-  
**Rajesh Dangi**  
Secretary, DERC  
DIP/Shabdarth/0569/22-23

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### NOTICE OF POSTAL BALLOT

NOTICE is hereby given pursuant to Section 110 read with Section 108 and other applicable provisions, if any, of the Companies Act, 2013, ('Act') (including any statutory modification or re-enactment thereof for the time being in force), read with Rule 20 and 22 of the Companies (Management and Administration) Rules, 2014, ('Rules'), applicable regulations of the Securities and Exchange Board of India (Listing Obligations and Disclosure Requirements) Regulations, 2015 ('SEBI Listing Regulations') and the Secretarial Standard on General Meetings issued by The Institute of Company Secretaries of India ('SS-2'), each as amended, to transact the special business as set out hereunder by passing Ordinary Resolutions, as applicable, by way of postal ballot / electronic voting. Pursuant to Section 102 and Section 110 and other applicable provisions of the Act, the statement pertaining to the said Resolutions setting out the material facts and the reasons/ rationale thereof are annexed to this Postal Ballot Notice ('Notice') for your consideration and forms part of this Notice.

Jayant Infratech Limited (Company) is sending this Notice in electronic form to those Members whose e-mail addresses are registered with the Company/ Registrar and Transfer Agent ('RTA') / Depositories and physical copy of the Notice along with Postal Ballot Form and pre-paid self-addressed Business Reply Envelope is being sent to the Members whose e-mail addresses are not registered with the Company/RTA/ Depositories. The communication of the assent or dissent of the Members would take place through the remote e-voting system as well as through physical ballot form. The details of the procedure to cast the vote forms part of the 'Notes' to this Notice.

The Company has also engaged the services of National Securities Depository Limited ('NSDL') for the purpose of providing remote e-voting facility to its Members. The instructions for remote e-voting are appended to this Notice.

The Board of Directors of the Company, appointed Ms. Anjali Sangtani, partner of M/s. SCS AND CO. LLP (LLPIN: AAV-1091) Company Secretary in Practice (Firm Unique Code: L2020GJ008700), as the Scrutinizer for conducting the postal ballot and e-voting process in a fair and transparent manner. Members have the option to vote either by Postal Ballot or through e-voting. Members desiring to exercise their vote by Postal Ballot are requested to carefully read the instructions printed in the Postal Ballot Form and return the same duly completed in the enclosed prepaid self-addressed Business Reply Envelope. Postal Ballot Form, if sent by courier or by registered post or speed post at the expense of the Member(s), will also be accepted. The duly completed Postal Ballot Form should reach the Scrutinizer not later than by Monday, February 20, 2023 (05:00 P.M.), to be eligible for being considered, failing which it will be strictly considered that no reply has been received from the Member.

Members desiring to opt for e-voting as per the facilities arranged by the Company are requested to read the instructions in the 'Notes'. References to postal ballot(s) in this Postal Ballot Notice include votes received electronically. The Scrutinizer will submit her report to the Chairman of the Company or any other person duly authorized by him, after completion of scrutiny of the postal ballots (including e-voting). The results shall be declared on or before on or before Wednesday February 22, 2023, and communicated to the Stock Exchange, Depositories and RTA. The results will also be displayed on the Company's website [www.jayantinfratech.com](http://www.jayantinfratech.com).

Any query/grievance with respect to the voting by remote electronic means may please be addressed to Ms. Shristi Ramani, Company Secretary and Compliance officer, Jayant Infratech Limited at Mangal Smriti Bajpai Ground, Tilak Nagar Biliapur-495001 or at Email id: [info@jayantinfratech.com](mailto:info@jayantinfratech.com) or on +91 7773015688 to R&TA of the Company at [info@bigshareonline.com](mailto:info@bigshareonline.com).

In case of any queries, you may refer the Frequently Asked Questions (FAQs) for Shareholders and e-voting user manual for Shareholders available at the download section of [www.evoting.nsdl.com](http://www.evoting.nsdl.com) or call on toll free no.: 1800 1020 990 and 1800224430 or send a request at [evoting@nsdl.co.in](mailto:evoting@nsdl.co.in).

For, Jayant Infratech Limited  
SD/-  
**Nilesh Jobanputra**  
Managing Director  
Date: January 21, 2023  
Place: Bilaspur

## Rana Kapoor's daughter can't go to US, says spl CBI court

'Plea To Meet Kin Not Essential/Extraordinary Grounds For Foreign Trip'

**Rebecca.Samervel**  
[rebecca@timesgroup.com](mailto:rebecca@timesgroup.com)

**Mumbai:** Observing that her plea to meet her relatives is not essential or extraordinary grounds to go abroad at a time when she is facing trial in a case where she is accused of being among the beneficiaries of Rs 600 crore kickbacks along with her family, a special CBI court has rejected jailed Yes Bank founder Rana Kapoor's daughter Roshini Kapoor's petition to go to the US.

"Further investigation is on. The parameters to grant bail and to allow a person to go abroad are different. So, releasing her on bail itself is not sufficient to permit her to go abroad. No essential grounds are made out to permit the applicant to travel abroad. The application is to be rejected," special judge S U Wadgaonkar said. Roshini



Rana Kapoor, along with his wife Bindu and daughters Roshini and Radha Kapoor Khanna, is accused in a corruption and cheating case allegedly involving DHFL

was granted bail by the Supreme Court.

Kapoor, along with his wife Bindu and daughters Roshini and Radha Kapoor Khanna, is accused in a corruption and cheating case allegedly involving DHFL. They were arrested in 2021 and the women are out on bail. Kapoor has been in

jail since his arrest in March 2020.

The CBI, in its probe, said Kapoor had received Rs 600 crore as kickbacks from Kapil Wadhawan through his daughters' firm DOIT Urban Ventures. The Rs 600 crore was in lieu of a Rs 3,700-crore loan (debenture investment) Yes Bank, then headed by Kapoor, gave to DHFL group. DHFL had defaulted on repayment. The women were directors in DOIT. DHFL promoters Kapil and Dheeraj Wadhawan are in custody.

Roshini's advocate submitted that she wished to visit her paternal aunt and cousins in New Jersey to re-establish family ties, especially in view of the fact that she could not attend her cousin's wedding last year. According to him, re-establishing family ties is essential grounds to go abroad. He also said a lookout circular (LOC) had been is-

sued against her at the CBI's instance and the court could permit her to travel abroad by suspending the LOC. The lawyer further said Roshini would remain present for the trial.

The CBI, however, opposed her plea and submitted that though travelling abroad was a fundamental right, it was restricted. According to the agency, further investigation was on in the case. "The LOC against the accused is in existence. It is a matter of common experience that white collar offenders leave after taking permission to travel abroad and settle down in the foreign country. It is difficult to secure their presence," it said.

Roshini is also accused in a related money laundering case being probed by the ED and has moved a similar plea before the special PMLA court which is pending.

## Scoot acted promptly over rescheduled flight, took flyers' care: DGCA

**New Delhi:** The Directorate General of Civil Aviation (DGCA) on Saturday said there was prompt response from Scoot with regard to many passengers missing its Amritsar-Singapore flight due to rescheduling of the departure timing on January 18.

The timing of the flight was changed on account of the prevailing foggy conditions at the Amritsar airport, according to the regulator.

In a statement, DGCA said it had sought a report from Scoot regarding the January 18 flight — which departed from Amritsar to Singapore in which 17 passengers were affected as they were not informed by their travel agent about the change in time.

Citing the options provided by the airline to the affected passengers, the watchdog said the passengers were looked after and

## Vikram Dutt to be next DGCA head

**Senior IAS officer Vikram Dev Dutt will be the next director general (DG) of the Directorate General of Civil Aviation (DGCA). He will take over from incumbent Arun Kumar when he retires in February.**

Dutt, an IAS officer from the 1993 batch, is currently the CMD of Air India Assets Holding Ltd. PM Modi-headed appointments committee of cabinet cleared Dutt to take over as the DG on February 28, 2023. TNN

appreciated the prompt response from the airline.

The affected passengers were given the option to re-book free in another flight within 14 days, 120 per cent refund in form of vouchers or 100 per cent refund by mode of payment, the statement said. AGENCIES

## Man who duped hotel in Delhi caught in Karnataka

### Accused Says He Was A Businessman, But Is Now Without Work

**Abhay@timesgroup.com**

**New Delhi:** A 41-year-old man was arrested from Karnataka in connection with a case in which a prominent hotel in Sarojini Nagar was cheated out of more than Rs 23 lakh.

The suspect was identified as Mahamed Sharif, a native of Karnataka. Police sources said that during questioning, he revealed that he was a postgraduate and was currently unemployed.

"He told us that he was earlier a businessman and also went to Du-

bai, where he worked in real estate and sand business. His testimony is being verified," an officer said.

Deputy commissioner of police (southwest) Manoj C said they arrested the accused from Puttur.

Over why Sharif posed as an UAE government functionary at the hotel, he replied that when he went to a foreign country, he had some business connections. "We are looking into whether he had any previous connections with the government," the officer said.

During further questioning, he told cops that he had previously lived

in several five-star hotels and had paid all bills. "We found that he also stayed in hotels in Mumbai and Bangalore. When we asked him why he fled from The Leela Palace, he had no answers and told us that he would pay the bill," another officer added. After leaving the hotel, the accused went to Karnataka.

Cops said they scanned CCTV cameras and also analysed his phone number and found that it was registered in Karnataka. The cops raided different places and apprehended him.

The incident came to light when

a case was registered on January 13. The staff of the hotel told cops that the incident happened last year.

The complainant claimed that one of their in-house guests stayed in Room No. 127 for over three months. He then fled after stealing hotel valuables (silverware) and without settling the outstanding bills.

Police said the guest checked in to the hotel with a fake business card and impersonated an important functionary of the government of the United Arab Emirates. On arrival, he also produced a UAE

resident card. "It seems the guest purposely gave these cards to create a false image and gain extra trust with an intent to cheat the hotel," the officer said.

The guest made a few part settlements worth 11.5 lakh in August and September 2022 for room charges. However, the total amount owed was still more than Rs 23 lakh. The investigation further showed that he had issued a post-dated cheque worth Rs 20 lakh, which bounced due to insufficient funds. Later, the hotel staff also found valuables missing from the room he had stayed in.