

India's resident patent applications up 31.6%

SURAJEET DAS GUPTA
New Delhi, 7 November

India clocked a gigantic rise of 31.6 per cent in patent filing by resident applicants, the highest of any country in 2022 as compared with the previous year, according to the latest study released recently by the World Intellectual Property Organisation (WIPO).

With 55,718 resident patent applications in 2022, India's numbers grew much faster than other competing countries that include Switzerland (6.1 per cent), China (3.1), and Austria and the UK (both at 2.5 per cent).

In terms of the granting of patents, too, India had among the fastest growth of 15.5 per cent (16,346) in 2022 out of the top 20 countries, behind only China which grew at 19 per cent on a far bigger base (760,171).

But it was not rosy on all fronts. In India the waiting period between the patent office taking the first action and eventually clearing or rejecting an application took a staggering 51 months in 2022.

This ranked as the second longest time anywhere except for Mexico, which took just over 51 months. In China, the same process took only 16.5 months.

Also noteworthy is the pretty high number — 30.1 per cent — of the resident applications for patents that were either withdrawn or abandoned.

Nonetheless, WIPO acknowledged India's contribution to the world of patents by noting that a record 3.46 million patent applications (as opposed to resident patent applications) were filed in 2022 which shows an increase of 1.7 per cent over the previous year.

Its report says the substantial rise in filings by China in 2022 along with "robust contributions from the intellectual property (IP) office of India (15,495 additional

COMPETING OVER IP

THE TOP TEN COUNTRIES IN RESIDENT PATENT APPLICATIONS 2022

Country	No of applications	Growth % in CY 2022 over CY 2021
China	1.5 mn	3.1
US	0.5 mn	1.1
Japan	0.4 mn	1.6
S Korea	0.2 mn	1.9
Germany	0.1 mn	-4.8
France	65,275	0.8
India	55,718	31.6
UK	53,536	2.5
Switzerland	49,077	6.1
Netherlands	32,053	0.6

Source: WIPO

applications).... was the main driver of growth in 2022".

WIPO also said that the patent applications by residents of India helped in "extending an 11-year run of growth unmatched by any other country among the top 10 filers" in the world.

India is now in seventh position in actual number of patents filed by residents. This is higher than the UK, Switzerland and the Netherlands but lower than France, Germany, South Korea, Japan, the US and China. The latter hit 1.5 million, which is far ahead of any other country.

On trademark filings, India was in the top four with 467,918 filings in 2022, behind

the US (945,571), Turkey (482,567), and Germany (479,334).

Women also featured in India's performance. They had a share of 23.9 per cent of all the Patent Cooperation Treaty applications. At least one Indian woman was an inventor among the top 10 countries.

However, while India is 17th in a list of the top 20, its performance pales when compared with China where women accounted for 47.9 per cent of the patent applications.

India is also nowhere near the top 20 in terms of the ratio of resident patent application to GDP or population. On both criteria, South Korea comes out on top.

Aditya L1 captures first image of solar flares

PRRESS TRUST OF INDIA
Bengaluru, 7 November

Aditya L1, Indian Space Research Organisation's (Isro) maiden solar mission, has captured its first high energy X-ray glimpse of solar flares. During its first observation period from

around October 29, the High Energy L1 Orbiting X-ray Spectrometer (HELIOS) on board Aditya-L1 spacecraft has recorded the impulsive phase of solar flares. Isro said on Tuesday. A solar flare is a sudden brightening of solar atmosphere. The recorded data is consistent

with the X-ray light curves provided by National Oceanic and Atmospheric Administration's Geostationary Operational Environmental Satellites. HELIOS data enables the study of explosive energy release and electron acceleration during impulsive phases of solar flares.

Flying Wedge is first to get DGCA certificate for UAVs

AJAI SHUKLA
New Delhi, 7 November

Flying Wedge Defence and Aerospace has become India's first-ever private firm to secure a Directorate General of Civil Aviation (DGCA) type certification for indigenous unmanned aerial vehicle (UAV) technology.

Two of the company's surveillance drones are already deployed in the heart of New Delhi, carrying out observation of the airspace and grounds around the Prime Minister's residence.

Under the DGCA's regulatory framework, no drone, aircraft, or aeroplane can operate in India without DGCA-type certification.

This stringent certification process is regarded as a vital step in ensuring the safety and reliability of unmanned aircraft within the country.

The Indian firms that have successfully obtained DGCA-type certification within this sector have obtained technology from abroad, predominantly from China.

"A significant portion of these certified entities have obtained their technology through transfer of technology (ToT) agreements with companies based in China. Flying Wedge Defence and Aerospace, however, has set itself apart by achieving DGCA-type certification based on truly indigenous technology," said the company in a press release on Tuesday.

"This accomplishment highlights the company's commitment to self-reliance, innovation, and a mission to advance India's standing in the global aerospace industry," said the media statement, terming it "a new benchmark in the nation's technological

landscape".

"Flying Wedge's journey to becoming DGCA type certified has been marked by a relentless pursuit of excellence and a dedication to 'Make in India' principles," said Suhas Tejaskanda, the company's chief executive.

"The company's state-of-the-art manufacturing unit in Bengaluru, along with their expertise in artificial intelligence and machine learning, played a pivotal role in this achievement," said Tejaskanda.

He said Flying Wedge's fully autonomous, advanced modular drones have disrupted the UAV industry and significantly contributed to breaking China's monopoly.

Flying Wedge is now leading the way not only in defence but also in the agriculture sector with their autonomous agricultural drones. Its drones have trans-

formed smart farming in India, offering cost-effective solutions that enhance crop yield and reduce water consumption.

Flying Wedge is already marketing its next wave of monopoly products, the Advanced Drone Catcher and Killer Drones. While the eponymous Drone Catcher physically captures hostile drones by throwing a net over it, the Killer Drone uses an explosive charge or a laser beam to damage or destroy the enemy drone and bring it down.

Flying Wedge claims its commitment to innovation is evident in their autonomous agriculture drones. These 25-150 kilogramme drones are revolutionising smart farming by reducing operating costs, spraying pesticides, improving crop yields, and conserving water resources.



PHOTO: FLYING WEDGE

ADVANCING TOWARDS A MORE SUSTAINABLE FUTURE

Establishing an Integrated Mobility Ecosystem

GREAVES



EXTRACT OF UNAUDITED STANDALONE AND CONSOLIDATED FINANCIAL RESULTS FOR THE QUARTER AND SIX MONTHS ENDED 30TH SEPTEMBER 2023

Sr. No.	Particulars	Standalone					Consolidated				
		Quarter Ended		Six month Ended		Year Ended	Quarter Ended		Six month Ended		Year Ended
		30.09.2023	30.09.2022	30.09.2023	30.09.2022	31.03.2023	30.09.2023	30.09.2022	30.09.2023	30.09.2022	31.03.2023
		Unaudited	Unaudited	Unaudited	Unaudited	Audited	Unaudited	Unaudited	Unaudited	Unaudited	Audited
1.	Total Income from Operations	466.98	381.66	872.63	766.99	1,592.29	742.13	713.83	1,332.23	1,384.56	2,766.59
2.	Net Profit / (Loss) for the period (before tax & exceptional items)	61.90	30.76	106.44	59.12	153.73	39.98	40.54	28.64	66.87	125.31
3.	Net Profit / (Loss) for the period before tax (after exceptional items)	153.72	30.55	199.19	78.77	160.72	(340.52)	40.33	(350.93)	67.03	112.81
4.	Net Profit / (Loss) for the period after tax	123.40	22.64	157.19	58.27	115.10	(374.59)	32.30	(399.52)	48.24	69.75
5.	Total Comprehensive Income for the period [Comprising Profit/(Loss) for the period (after tax) and Other Comprehensive Income (after tax)]	122.68	23.35	156.72	59.42	115.95	(375.21)	33.02	(399.84)	49.42	71.49
6.	Equity Share Capital	46.40	46.31	46.40	46.31	46.33	46.40	46.31	46.40	46.31	46.33
7.	Other Equity					999.22					1,540.21
8.	Earning Per Share (₹)										
	- Basic	5.32	0.98	6.78	2.52	4.97	(8.22)	1.25	(8.45)	1.94	3.37
	- Diluted	5.28	0.97	6.75	2.50	4.94	(8.22)	1.24	(8.45)	1.93	3.35

NOTE:

- The above is an extract of the detailed format of Quarterly Financial Results filed with the Stock Exchanges under Regulation 33 of the SEBI (Listing Obligations and Disclosure Requirements) Regulations, 2015. The full format of the Quarterly Financial Results are available on the Stock Exchanges' websites viz www.bseindia.com and www.nseindia.com. The same is also available on the Company's website viz www.greavescotton.com.

Place : Bengaluru
Date : November 7, 2023

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GREAVES



EXTRACT OF CONSOLIDATED FINANCIAL RESULTS FOR THE QUARTER AND SIX MONTHS ENDED SEPTEMBER 30, 2023

Particulars	₹ in Lacs					
	Quarter Ended on 30.09.2023	Quarter Ended on 30.06.2023	Quarter Ended on 30.09.2022	Half Year Ended on 30.09.2023	Half Year Ended on 30.09.2022	Financial Year Ended on 31.03.2023
	Unaudited	Unaudited	Unaudited	Unaudited	Unaudited	Audited
Revenue from operations	73,914	68,214	61,348	1,42,128	1,25,131	2,67,774
Net profit / (loss) for the period before tax	4,306	4,437	(5,657)	8,743	(11,434)	(7,522)
Net profit / (loss) for the period after tax	2,878	2,915	(3,389)	5,793	(8,862)	(6,407)
Total comprehensive income/ (loss) for the period [Comprising profit / (loss) for the period (after tax)]	3,241	1,780	(2,904)	5,021	(8,057)	(1,577)
Paid-up equity share capital [Face value Rs. 5 per share]	4,923	4,923	4,923	4,923	4,923	4,923
Reserves excluding revaluation reserves						1,39,979
Earnings/(loss) per share (not annualised except year ended 31.03.2023) - in Rupees	not annualised	not annualised	not annualised	not annualised	not annualised	annualised
a) Basic	2.92	2.96	(3.44)	5.88	(9.00)	(6.51)
b) Diluted	2.88	2.88	(3.44)	5.75	(9.00)	(6.51)

Notes :

- Key Standalone financial information of the Company is given below :

Particulars	Quarter Ended on 30.09.2023	Quarter Ended on 30.06.2023	Quarter Ended on 30.09.2022	Half Year Ended on 30.09.2023	Half Year Ended on 30.09.2022	Financial Year Ended on 31.03.2023
	Unaudited	Unaudited	Unaudited	Unaudited	Unaudited	Audited
1A. Revenue from Operations	63,994	63,015	44,192	1,27,009	94,546	2,05,274
1B. Profit/(loss) before tax	4,401	4,533	(5,410)	8,934	(7,948)	(4,234)
1C. Profit/(loss) after tax	3,021	3,001	(3,143)	6,022	(5,277)	(3,019)
1D. Total comprehensive income/(loss)	2,542	3,569	(4,396)	6,111	(9,020)	(3,781)

- The above is an extract of the detailed format of unaudited Standalone and Consolidated results for the quarter and six months ended on September 30, 2023 filed with the Stock Exchanges under Regulations 33 of the SEBI (Listing Obligations and Disclosure Requirements) Regulations, 2015. The full format of unaudited Standalone and Consolidated results for the quarter and six months ended on September 30, 2023 are available on the website of the Stock Exchanges (www.nseindia.com/www.bseindia.com) and the Company's website (www.himatsingka.com).

Place : Bengaluru

Date : November 07, 2023

Shrikant Himatsingka

Executive Vice Chairman & Managing Director

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