

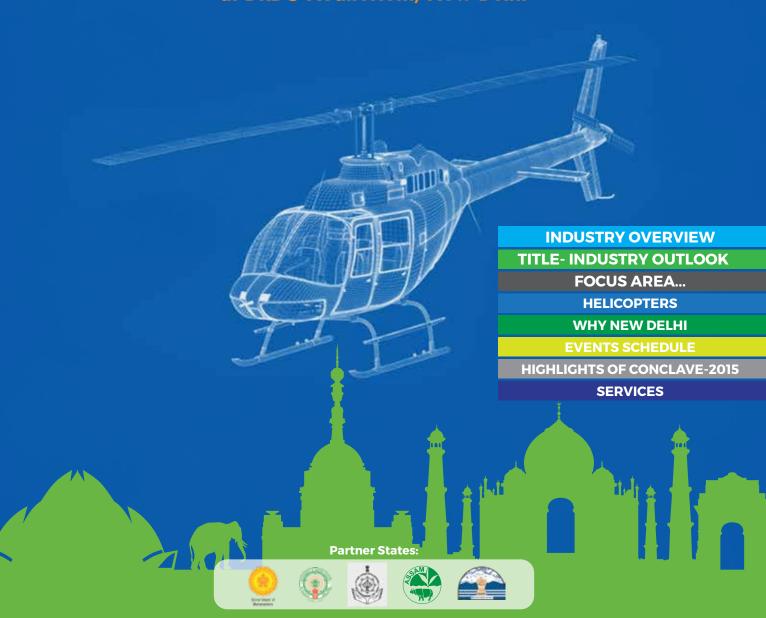


Expanding the heli-heights globally

INTERNATIONAL CIVIL HELICOPTERS CONCLAVE 2017

2nd EDITION

15th October, 2017 at DRDO Auditorium, New Delhi



Helicopter Industry Overview:

India's civil aviation market is among the fastest growing in the world, but helicopter use remains very limited. From the time the first helicopter was flown in India in November 1953 and up to year 1986, the commercial use of helicopters in India remains limited to small aviation activity involved in communication and crop spraying. The formation of the Pawan Hans Limited in 1986 provided the first boost to the civil helicopter industry in India, which now holds and operates the largest fleet in the country with a defined mandate "To become a market leader in Helicopters and Sea Plane services, to provide regional connectivity through small fixed Wing Aircrafts operations and provide repair/overhaul services at par with international standards."

Today, there are approximately 277 civil registered helicopters in the country, out of which approximately 100 helicopters are in commercial business. However, these numbers are woefully inadequate when compared with the world population of civil helicopters. As per the HAI statistics, out of a total world civil helicopter population of 38000, India accounts for less than one percent. In fact, India currently has fewer civil helicopters than even Switzerland. Brazil- a developing country like ours, the city of Sao Paulo (similar to Bombay and Delhi) itself has more than double helicopters. Despite these above statistics, the market and industry remains optimistic about the Indian Civil helicopter industry.

Ministry of Civil Aviation and DGCA have been working to promote general aviation and helicopter industry in

particular by renewed focus on easing regulation and new civil aviation policy. The helicopter industry and general aviation has huge potential in area of heli tourism, law and order, disaster management, emergency medical services and intra-state/inter island connectivity besides MRO business under Make in India initiatives of GOI to serve the nation with true spirit as being a National Helicopter Carrier.

In the approaching years, Indian Helicopter industry projects itself to join the league of top countries offering helicopter services. Secondly, to grow the demand of helicopters nationally is another area to throw spotlight. Tourism and Medical evacuation are going to be major drivers of helicopters growth in India. We need to focus on capacity creation and increasing the number of helicopters; establishing new heliports are primary among them. Pawan Hans is thinking to explore new horizons and take Indian Helicopter industry to unimagined heights.







Title-Industry Outlook

- India is among the five fastest growing aviation markets globally, poised to be the 3rd largest aviation by 2020
- Cohesion with State Governments under the new Civil Aviation
 Policy for Rural & Air Regional Connectivity Scheme.
- Indian Helicopters plan to increase their fleet size to reach 500 aircraft by 2025
- Plan to revive and operationalize around 300 Helipads in India over the next 5 years to improve Remote and Regional Air Connectivity.
- Development of the India market for the Helicopter industry (for disaster relief, tourism, medical evacuation and pilgrimage services) a growing business opportunity.
- Emphasis on advanced information technology in the growing Aviation industry.
- Greater focus on infrastructure development and increasing liberalization via large scale collaborations.
- Thriving Indian Tourism Industry with major increase in global and domestic air passenger traffic.
- Development of Helipots under Heli-Hub concept.

Focus area to realize India's Aviation Dreams

Rural and Regional Air Connectivity

Helicopter Services Aircraft Services Small Fixed Wing Services Seaplane Services

PHTI Training & Skill Development NIASS

MRO **Heliports Business Development & Projects** Defense Services (HALJV)

Consultancy Services Consultancy & Foreign Projects Foreign Projects









Helicopters

Honeywell Aerospace expects that 4,800-5,500 civilian use helicopters will be delivered during 2014-18. In the Asian region, the players are focused on India and China. It is expected that in the next decade the Helicopter aviation industry in India will grow two times.

These are astounding figures.

- Where is this demand coming from?
- What are the demand drivers?
- What policies are facilitating the Indian and regional aviation boom.
- Rural Air Connectivity, a thrust of GOI.

These are a few questions that the industry would like to have answers for, in a simplified but comprehensive manner.

Why New Delhi

The city of New Delhi is not only India's capital but also a political and business hub of the country with numerous companies (national & International) dealing in diverse type of businesses and trade. The city other than being the commercial centre of North India is also one of the major aviation hubs in the country and a growing tourist and trade show destination. The capital is connected with all the other Indian cities as well as different countries across the globe with numerous international and domestic airlines, companies and allied industries also headquartered in New Delhi.



A perfect model of rural air connectivity by PHL in Northeast India.

15th October, 2017 at DRDO Bhawan, Rajaji Marg, Vijay Chowk Area, Central Secretariat, New Delhi

| EVENT | TIME |
|---|-------------------|
| Registration: | 9:00-10:00 AM |
| Inaugural Session: | 10:00- 11:00 AM |
| Inauguration of Exhibition: | 11:15- 11:30 AM |
| Tea Break: | 11:35- 12:00 Noon |
| TECHNICAL SESSION-I | |
| Helicopters: A way forward for Rural & Regional Air Connectivity: | 12:00- 01:15 PM |
| Lunch Break: | 01:15- 02:15 PM |
| TECHNICAL SESSION- II | |
| Heli-Tourism: an innovation in Indian tourism exploration: | 02:30- 04:00 PM |
| PANEL DISCUSSION 04:00- 05:00 PM | |
| Conclusion & Networking Tea: | 05:00- 05:30 PM |
| Cultural Evening & Gala Dinner: | 06:30- 09:30 PM |

Highlights of 1st edition of International Civil Helicopter Conclave-2015



Services

- National Institute of Aviation Safety & Services (NIASS)
- Pawan Hans Training Institute (PHTI)
- Heli-Pilgrimage Operations:
- Mata Vaishno Devi ji
- Shri Kedarnath ji
- Shri Amarnath ji
- -Joy-Ride: Explore India in a new way
- Hotline washing of Transmission lines
- Fleet expansion plan
- Sea Plane Operation
- Offshore Operation
- Search & Rescue
- Operation & Maintenance
- Heliports/Helipads

- Pipeline Surveillance
- Connecting Inter-island & inaccessible hilly areas
- Remote air connectivity

Delhi Darshan by Helicopter

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