

**GOVERNMENT OF INDIA  
MINISTRY OF SKILL DEVELOPMENT AND ENTREPRENEURSHIP**

**LOK SABHA**

**UNSTARRED QUESTION NO. 3567  
TO BE ANSWERED ON 08.08.2022**

**COURSES ON DRONE OPERATION AS A SKILL**

**3567: SHRI L.S. TEJASVI SURYA:**

**Will the Minister of SKILL DEVELOPMENT AND ENTREPRENEURSHIP be pleased to state:**

- (a) whether the Government is prescribing courses to build more drone pilots, drone operations and drone as a skill in the country and if so, the details thereof;
- (b) whether the Government is framing or granting affiliation or recognising short-term and long-term courses on the operation of drones for commercial and defence usage keeping in view the new Drone Policy of the Government, and if so, the details thereof;
- (c) the number of existing courses offering skills on drone shakti, number of skill centres running the said courses, number of registrations per course and number of persons graduating from the courses, State-wise; and
- (d) whether the Government is providing any financial assistance or any other assistance in the way of promoting drone courses for those enrolling and for those teaching the same and if so, the details thereof and the amount of assistance provided?

**ANSWER**

**MINISTER OF STATE IN THE MINISTRY OF  
SKILL DEVELOPMENT AND ENTREPRENEURSHIP  
(SHRI RAJEEV CHANDRASEKHAR)**

(a) & (b). Yes, Sir. Drone sector is a shining example of significant growth of innovation and start-ups in just the last few years. Ministry of Skill Development and Entrepreneurship has developed Six (6) short-term skilling courses for manufacturing, assembly, repairing and maintenance of drone as well as to meet the requirement of skilled manpower in drone sector. The details of courses are attached at Annexure-1.

In addition, According to Ministry of Civil Aviation, approval for establishing a Remote Pilot Training Organisation (RPTO) is granted as per Rule 39 of The Drone Rules, 2021. Any person who intends to obtain the authorisation to establish a RPTO shall submit an application to Directorate General of Civil Aviation (DGCA) on the online Digital Sky Platform. The Director General may, within sixty days of the date of receipt of application issue the authorisation to establish a RPTO if the applicant meets the specified requirements. DGCA has specified a five-day course for grant of Remote Pilot Certificate by a DGCA-authorized RPTO. The course comprises ground classes and practical training. As on 2nd August 2022, there are 27 DGCA authorised RPTOs. So far, 576 remote pilot certificates have been issued.

(c) The Government has started short-term course namely "Drone Service Technician" in 126 Industrial Training Institutes (ITIs) across 19 states in the country for the session 2022-23. The details are attached at Annexure-2.

(d) Training in Government ITIs and under PMKVY courses etc. is free, while there are other paid courses also.

Annexure referred to in reply to part (a) & (b) of Lok Sabha Unstarred Question No. 3567 to be answered on 08.08.2022:

**Short-term skilling programmes on drone manufacturing, repairing and maintenance**

<b>Sl. No.</b>	<b>Short-term Courses</b>	<b>NSQF Level</b>	<b>Duration</b>
1.	Drone Service Technician	Level-4	400 Hours
2.	Drone Manufacturing and Assembly Technician	Level-4	390 Hours
3.	Drone Operator (Multi- Rotor)	Level-4	390 Hours
4.	Kisan Drone Operator	Level-4	390 Hours
5.	Drone Developer (Software)	Level-4	510 Hours
6.	Drone Monitoring and Maintenance Associate	Level-3	390 Hours

Annexure referred to in reply to part (c) of Lok Sabha Unstarred Question No. 3567 to be answered on 08.08.2022:

Number of Industrial Training Institutes (ITIs) approved to run short -term skilling programmes on drone manufacturing, repairing and maintenance in country

Sl. No.	State Name	No. of Approved ITIs for Short-term Drone Courses
1.	Andhra Pradesh	11
2.	Arunachal Pradesh	5
3.	Assam	14
4.	Bihar	10
5.	Chandigarh	1
6.	Gujarat	20
7.	Haryana	10
8.	Jharkhand	10
9.	Karnataka	0
10.	Madhya Pradesh	0
11.	Maharashtra	12
12.	Manipur	1
13.	Meghalaya	2
14.	Mizoram	3
15.	Odisha	0
16.	Punjab	6
17.	Telangana	0
18.	Uttar Pradesh	15
19.	Uttarakhand	6
<b>Total</b>		<b>126</b>

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