



GOVERNMENT OF INDIA/भारत सरकार
DIRECTOR GENERAL OF CIVIL AVIATION/महानिदेशक नागर विमानन का कार्यालय
OPP. SAFDARJUNG AIRPORT/सफदरजंग एयरपोर्ट के सामने
NEW DELHI – 110003/नई दिल्ली - ११० ००३

TYPE CERTIFICATE

No. T10250000020/00

This certificate, issued to **Pavaman Aviation Private Limited** certifies that the Unmanned Aircraft System

"TEJA-M",

its technical specifications and operating limitations for which are contained in datasheet No, T10250000020/00 dated the 14/10/2025 is of proper design, material, specification, construction and performance for safe operation based on the recommendation of **TQ Cert Services Private Limited** as required by the Certification Scheme for Unmanned Aircraft Systems notified by the Ministry of Civil Aviation vide S.O. 347(E) dated the 26th of January, 2022 .

This Type Certificate is issued under the provision of Rule 8 and Rule 9 (3) of the Drone Rules 2021.

This certificate shall remain valid until suspended or cancelled.

Date :14/10/2025

For Director General of Civil Aviation
Maneesh Kumar
Joint Director General
for Director General of Civil Aviation

Signature valid

Signed by: Maneesh Kumar
Joint Director General
Date: 14-Oct-2025 19:15:36

Technical Specifications of Pavaman Aviation Private Limited UAS model "TEJA-M"

Manufacturer's Name	Pavaman Aviation Private Limited
Address	Nanakramguda, Hyderabad, Telangana, 15th Floor, Survey No:115/1, Kapil Towers, RANGA REDDY, Telangana, India, 500032.
UAS Model Name.	TEJA-M
Description	TEJA-M is a Medium class rotorcraft (Hexacopter) configuration with maximum allowed capacity of 10 Liters tank for agrochemical spraying and Training purposes.
UAS Details	
Category	Rotorcraft
Sub-Category	RPAS
Class	Medium
Maximum all-up-weight (including payload) in kg	30.5
Overall dimensions (l x b x h) in mm	1854.0X1854.0X591.0
Payload Details	
Details of each Compatible Payload (including Manufacturer Name, Payload Specifications with Model No., Intended Applications)	Configuration 1:- Sprayer with four Flat Fan Nozzles with 10L tank capacity for Spraying agrochemicals. Configuration 2:- Sprayer with two Centrifugal nozzles with 10L tank capacity for Spraying agrochemicals
Variable Load/Consumables (Like fluid etc., if any)	Pesticides, Fertilizers, Plant Nutrients (Agro Chemicals)

Engine/Motor Details							
Engine Power Ratings	No. of Engines	Total fuel capacity (kg)	Engine limits (maximum RPM)	Motor Power Ratings	No. of motors	Battery capacity (mAh)	Maximum battery temperature (Degree Celsius)
-	-	-	-	Hobbywing X6 Plus BLDC Motors and Power rating is 1951.2 W	6	25200.0	50.0

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Propeller details						
Propellar Details	Diameter (inch)	Pitch Range (inch)	Propellar Details (Max RPM)	No. Of Propellers	Type of Pitch	Range (inch)
Hobbywing X6 Plus	24.0	8.0	5435.0	6	Fixed	-

Equipment Details	
GNSS	Applicable
Autonomous Flight Termination System	Applicable
Return Home (RH)	Applicable
Flashing anti-collision strobe light	NA
RFID Card	NA
GSM SIM Card	NA
Flight Control Module	Applicable
SSR transponder(Mode 'C')	NA
SSR transponder(Mode 'S')	NA
ADS-B OUT equipment	NA
Barometric equipment (with capability for remote sub-scale setting) (if applicable)	NA
Geo-fencing Capability	Applicable
Detect and Avoid Capability(if applicable)	Applicable
Remote Pilot Station	
Ground Control Station Model No.	AeroGCS Green
GCS App. Version	1.39
C2 Link	
Equipment details	Skyrdoid MK15 and T12
Frequency Band	2412-2472 Mhz and 2420-2480 MHz Ghz
ETA issued by WPC Wing, DoT	ETA-SD-20210806179 dated 20/09/2021 for MK15 and ETA-SD-20230605746 dated 05-07-2023 for T12
Performance Details	
Maximum Endurance (hr/m)	At MTOW without dispensing is 11 mins 30 secs and at empty payload is 23 mins 25 secs
Maximum Range (in km)	1.5
Maximum Speed (in m/s)	10.0
Maximum Height attainable/ Maximum Ceiling Height (in ft)	328.0
Operating Altitude (in ft)	328.0
Operational Envelope	VLOS(Day)
Engine limits (Maximum RPM)	NA
Max. Battery Temperature (in deg C)	50.0
Propeller limits	5435.0

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Technical Specifications of Pavaman Aviation Private Limited UAS model "TEJA-M"

Documents/Manuals	
Manufacturer's Operating Manual (as applicable)	Flight Manual Version 1.5 Issue No. 4 Dated 06-09-2025
Manufacturer's Maintenance guidelines (as applicable)	Maintenance Manual Version 1.5 Issue No. 4 Dated 06-09-2025
Maintenance Inspection Schedule/ Overhaul interval	Maintenance Manual Version 1.5 Issue No. 4 Dated 06-09-2025
Maintenance Log Book	Maintenance Logbook Version 1.3 Issue No. 03 Dated 23-04-2025
Flight Log Book	Flight Logbook Version 1.3 Issue No. 03 Dated 23-04-2025
User Guide/ Self Explanatory Information Booklet for end users	Flight Manual Version 1.5 Issue NO. 4 Dated 06-09-2025
Intended Applications	
Intended Applications	Agrochemical Spraying for agricultural purposes and Training.

Signature valid

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Joint Director General
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Limitations & Conditions to Pavaman Aviation Private Limited for manufacturing of UAS model 'TEJA-M':

1. M/s. **Pavaman Aviation Private Limited, Hyderabad** henceforth referred as manufacturer in this documents shall comply with the applicable Rules, Regulations & Requirements issued from time to time. The manufacturer shall comply with mandatory safety features (if any) as and when mandated by Ministry of Civil Aviation/DGCA.

2. Design documents and manuals submitted shall be frozen and controlled. Any changes effecting to the Type Certificate/Datasheet, the manufacturer shall approach through Authorised Testing Entity for up-dation of the Type Certificate/Data Sheet issued there under.

3. Manufacture shall be responsible for all UAS Model **"TEJA-M"** produced by them conforms to this type certificate & datasheet and shall issue a certificate of conformity for each UAS produced.

4. Manufacturer shall ensure that their UAS is not tampered at the time of sale and also at the time of maintenance. Manufacturer shall monitor the same and notified to DGCA as and when required.

5. Manufacturer shall maintain list of their vendors, bill of materials, inventory of UAS including buyer details with configurations sold to them etc. and access to the same shall be provided to DGCA during surveillance and as & when requested for. It shall be the responsibility of the manufacturer to ensure that their UAS are sold to bonafide customers.

6. Manufacturer shall ensure that operations is restricted to Visual Line of Sight & day operations only and within the operations/performance limitations specified in the frozen manuals.

7. Manufacturer shall affix fireproof plate for indicating UIN, date of manufacturing, Manufacturer's name, model no. and serial no. in all the UAS manufactured before it is transferred to the buyer.

8. Manufacturer shall intimate DGCA about any violations, defects, faults, malfunctions, incidents and accidents involving the subject UAS model quarterly and as when sought for.

9. UAS Model **"TEJA-M"** can be used for intended applications only. Manufacturer shall ensure that the drone is flown away (30m) from uninvolved people and not flown over the crowd/ uninvolved people.

10. The manufacturer shall be responsible for ensuring applicable conditions and educate end users accordingly.

11. Manufacturer shall be responsible for rights related to design and development of the UAS model **"TEJA-M"** and DGCA shall not be party to any dispute arising due to proprietary right issues.

12. Manufacturer shall abide by the IT Act 2000 and any subsequent revision.

13. In case of violation of any of the above mentioned conditions and/ or operating requirements & restrictions specified in this Type Certificate, penal action shall be taken in line with the Drone Rules, 2021.

Signature valid

Signed by: Manish Kumar
Jr. Director/General
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