

താഴെ പറയുന്ന സ്പെസിഫിക്കേഷനിലുള്ള ഡ്രോൺകൾ ഓപ്പറേറ്റ് ചെയ്യുന്ന
ഓപ്പറേറ്റർമാരുടെ പാനലാണ് രൂപീകരിക്കേണ്ടത്

SPECIFICATION FOR DRONE	
The device shall be an unmanned aerial surveillance device which can be controlled remotely from the launch place. The Device shall be capable of vertical take-off and vertical landing and shall have the following features.	
Weight. Maximum take-off weight up to : 250 g	Ascent Speed 4 m/s (S Mode) 2 m/s (P Mode) 1.5 m/s (C Mode)
Descent Speed Minimum: 3 m/s (S Mode) Minimum: 3 m/s (N Mode)	Flight Time Minimum : 30 minutes
Flight Distance Minimum 2 km (LOS)	Wind Resistance 25 km/h
Propellers Quick release, low noise, folding	Satellite Systems GPS
Camera ISO Video: Photo Minimum 12 MP Still Image Size:	Gimbal Stabilization 3 - axis (tilt, roll, pan) Video Resolution and Frame Rates

<p>Minimum : 4:3: 4000×3000 16:9: 4000×2250</p>	<p>4K: 3840×2160 @ 24/25/30fps 2.7K: 2720×1530 @ 24/25/30/48/50/60fps FHD: 1920×1080 @ 24/25/30/48/50/60fps</p>
<p>Video Formats</p> <p>MP4/MOV (H.264/MPEG-4 AVC, H.265/HEVC) Minimum Bitrate 40 Mbps</p>	<p>Still Photo Modes</p> <p>Minimum : Single: 12 MP, 48 MP Burst: 12 MP, 3/5/7 frames Timed: 12 MP 2/3/5/7/10/15/20/30/60 seconds Smart Photo: Scene Recognition, Hyper Light, and HDR</p>
<p>Photo Formats</p> <p>JPEG/DNG (RAW)</p>	<p>Supported SD Cards</p> <p>MicroSD with Maximum capacity of up to 256 GB</p>
<p>Zoom</p> <p>Minimum 2.7K: 3x FHD: 4x</p>	<p>Supported File Systems</p> <p>FAT32 and exFAT</p>
<p>Gimbal</p> <p>Stabilization 3-axis (tilt, roll, pan)</p>	<p>Remote Controller.</p> <p>Minimum Battery 5200 mAh</p> <p>Supported Mobile Device Connectors. Lightning, Micro USB, USB Type-C</p> <p>Transmitter Power (EIRP)</p>

	2.400-2.4835 GHz: 5.725-5.850 GHz:
<p>Conditions.</p> <ul style="list-style-type: none"> a. The drone operator should have minimum 3 year experience in aerial photography and videography b. The drone operator should not any criminal background and required non-criminal certificate from the police station. 	

3. Classification of drones. — Drones shall be classified based upon the maximum all-up weight including payload as under – (a) Nano drone: Less than or equal to 250 gram; (b) Micro drone: Greater than 250 gram and less than or equal to 2 kilogram; (c) Small drone: Greater than 2 kilogram and less than or equal to 25 kilogram; (d) Medium drone: Greater than 25 kilogram and less than or equal to 150 kilogram; and (e) Large drone: Greater than 150 kilogram.

Exemptions. — No certificate of airworthiness shall be required for manufacturing, importing or operating a – (a) prototype drone for the purpose of research and development; (b) prototype drone for obtaining certificate of airworthiness; and (c) nano drone