

ENR 2 – AIR TRAFFIC SERVICES AIRSPACE**ENR 2.1 - FLIGHT INFORMATION REGION (FIR), TERMINAL CONTROL AREA (TMA)****2.1.1 Flight Information Region**

1. Chennai FIR
2. Delhi FIR
3. Kolkata FIR
4. Mumbai FIR
5. Guwahati Sub-FIR

2.1.2 Control Area/Terminal Control Area

1. Ahmedabad
2. Aurangabad
3. Bengaluru
4. Bhavnagar
5. Bhopal
- 6.. Bhubaneswar
7. Bhopal
8. Calicut
9. Chennai
10. Cochin
11. Coimbatore
12. Delhi
13. Gaya
14. Gondia
15. Guwahati
16. Hyderabad
17. Indore
18. Jaipur
19. Kannur
20. Kolkata
21. Lucknow
22. Madurai
23. Mangalore
24. Mumbai
25. Nagpur
26. Patna
27. Rajkot
28. Ranchi
29. Shirdi
30. Surat
31. Thiruvananthapuram
32. Tiruchirappalli
33. Trichy
34. Trivandrum

35. Udaipur
36. Udampur
37. Vadodara
38. Varanasi
39. Vishakhapatnam

2.1.3 **Indian Air Force Control Areas**

1. Hashimara
2. Udampur

2.1.1 Flight Information Region

Name, Lateral Limits Vertical Limits Class of airspace	Unit providing service	Call sign Languages Area and condition of use Hours of service	Frequency/Purpose	Remarks
Chennai Flight Information Region Area bounded by - 1800N 07600E; 1919N 07600E; 1943N 07710E; 1843N 08200E; 1841N 08249E; 1542N 08554E; 1400N 09200E; 1330N 09425E; 0600N 09425E; 0600N 09200E; 1000N 08200E; 1000N 08000E; 0600N 07800E; 0600N 07400E; 0730N 07400E; 0730N 07200E; 1500N 07200E; 1500N 07335E; 1617N 07300E; 1622N 07334E; 1626N 07411E; 1636N 07528E; 1640N 07600E and 1800N 07600E UNL / GND • Airspace within ATS route segment is classified as 'E'. • Airspace outside ATS route segment and controlled airspace is classified as 'G'. • Airspace within controlled airspace is classified as 'D'.	Chennai Radio (MWARA)	Chennai Radio English H24	11285 KHZ 13318 KHZ 3470 KHZ 5670 KHZ	Responsibility for provision of Air Traffic Control service at or above FL100 within the airspace bounded by 0600N 07700E; 0700N 07700E; 0900N 07930E And 0600N 07800E is delegated to Colombo
	Chennai Radio (RDARA)	Chennai Radio English H24	6583 KHZ 8861 KHZ 8909 KHZ	
	SAR	---- English	123.1 MHZ 3023 KHZ 5680 KHZ	
	Chennai ACC	Chennai Control Chennai Radar(RSR) English H24	118.9 MHZ 119.25 MHZ 120.75 MHZ 124.45 MHZ 124.5 MHZ 125.3 MHZ 125.5 MHZ 126.15 MHZ 127.9 MHZ 128.1 MHZ 128.7 MHZ 132.25 MHZ 132.5 MHZ 132.95 MHZ 133.95 MHZ 134.25 MHZ 134.3 MHZ 134.425 MHZ	

Name, Lateral Limits Vertical Limits Class of airspace	Unit providing service	Call sign Languages Area and condition of use Hours of service	Frequency/Purpose	Remarks
Delhi FIR Beginning at 250000N 0705500E then northwards following the geographical boundaries of Pakistan and India till it meets Afghanistan and Indian border in Jammu and Kashmir State -then eastward along International boundary to a point on common border of India & Nepal; -then along the common border of India/Nepal till it intersects the meridian 273424N 0824443E; 270922N 0813300E; 264531N 0805340E; 262401N 0801154E; 251701N 0794954E; 253601N 0793554E; 250801N 0785955E; 250001N 0790455E; 250000N 0705500E. UNL / GND <ul style="list-style-type: none"> Airspace within controlled airspace is classified as 'D'. Airspace within ATS route segment outside controlled airspace is classified as 'E'. Airspace outside ATS route segment and controlled airspace is classified as 'G' 	Delhi Radio (MWARA)	Delhi Radio English H24	10018 KHZ 3467 KHZ 5658 KHZ	In the following airspace of Delhi FIR, the Flight Information Service is provided by Udampur ACC: Area bounded by – 320000N 0784600E; 320000N 0760000E; 314400N 0754000E; 320700N 0751600E - then along International boundary to 320000N 0784600E. UNL / GND
	Delhi Radio (RDARA)	Delhi Radio English H24	2872 KHZ 5601 KHZ 8948 KHZ	
	Sub-ACC Udampur(Indian Air Force)	Udhampur Control English HJ	122.7 MHZ	
	Delhi ACC	Delhi Control Delhi Radar English H24	120.9 MHZ 124.2 MHZ 124.55 MHZ	
Guwahati SUB FIR Beginning at intersection of 08800E meridian with common border of India/ Nepal - then east along the border of India/Nepal to the point of current common border of Nepal/China/ India; - then along the border of India/China/ Myanmar; -then along the border of India/Myanmar to 2157N 09232E; -then along common border of India/Bangladesh to the second intersection of 2600N latitude to 2600N 08800E to common border of India/Nepal at the intersection of 08800E meridian. FL265 / GND FL 265 / GND	Guwahati Radio	Guwahati Radar Guwahati Radio English OTHER	2923 KHZ 5484 KHZ 8948 KHZ	1. Consult NOTAM for current watch hours.
	Guwahati Control	Guwahati Control English OTHER	123.9 MHZ	

Name, Lateral Limits Vertical Limits Class of airspace	Unit providing service	Call sign Languages Area and condition of use Hours of service	Frequency/Purpose	Remarks
Kolkata FIR Area bounded by - 140000N 0920000E; 154200N 0855400E; 184100N 0824900E; 184300N 0820000E; 213009N 0803537E; 222850N 0802116E; 231049N 0800334E; 250001N 0790455E; 250801N 0785955E; 253601N 0793554E; 251701N 0794954E; 262401N 0801154E; 264531N 0805340E; 270922N 0813300E; 273424N 0824443E; then east along the border of Nepal and India to a point on common border of Nepal, China and India, then along the border of India and China to a point on common border of India, China and Myanmar, then along the border of India and Myanmar then along the common border of India and Bangladesh (clock wise) to 213800N 0891000E; 210000N 0920000E to 140000N 0920000E • Airspace within controlled airspace is classified as 'D'. • Airspace within ATS route segment outside controlled airspace is classified as 'E'. • Airspace outside ATS route segment and controlled airspace is classified as 'G'. UNL/GND	Kolkata ACC	Kolkata Control English H24	120.1 MHZ 120.575 MHZ 120.7 MHZ 125.9 MHZ 127.525 MHZ 132.25 MHZ 132.35 MHZ 133.75 MHZ	Within the triangular area bounded by 210000N 0920000E, 223500N 0885600E, 213800N 0891000E responsibility for the provision of ATS between FL 50 to FL 460 is delegated to Kolkata by Bangladesh
	Kolkata Radio (MWARA)	Kolkata Radio English H24	10066 KHZ 3491 KHZ 6556 KHZ	
	Kolkata Radio (RDARA)	Kolkata Radio English H24	6583 KHZ 8861 KHZ 8906 KHZ	

Name, Lateral Limits Vertical Limits Class of airspace	Unit providing service	Call sign Languages Area and condition of use Hours of service	Frequency/Purpose	Remarks
Mumbai FIR Beginning of 194800N 0600000E; 233000N 0643000E; -then eastwards along 233000N parallel until it meets the Indian coastline at 233000N 0682300E; -then northward along the coastline to 234000N 0681000E; - then along the common border between India and Pakistan to 250000N 0705500E to 250001N 0790455E to 231049N 0800334E to 222850N 0802116E to 213009N 0803537E to 184300N 0820000E to 194300N 0771000E to 191900N 0760000E to 180000N 0760000E to 164000N 0760000E to 163600N 0752800E to 162600N 0741100E to 162200N 0733400E to 161700N 0730000E to 150000N 0733500E to 150000N 0720000E to 073000N 0720000E to 073000N 0700000E to 030500N 0700000E to 000000N 0680000E to 060000S 0680000E to 060000S 0600000E to 194800N 0600000E Airspace within controlled airspace is classified as 'D'. Airspace within ATS route segment outside controlled airspace is classified as 'E'. Airspace outside ATS route segment and controlled airspace is classified as 'G' UNL / GND	Mumbai Radio (RDARA)	Mumbai Radio English H24	8909 KHZ 8948 KHZ	Pilot shall not initiate request for DCT routing in Mumbai TMA/ FIR to reduce Radio Telephone congestion.
	Mumbai Radio (MWARA)	Mumbai Radio English H24	10018 KHZ 13288 KHZ 3467 KHZ 3476 KHZ 5658 KHZ 6661 KHZ 8879 KHZ	
	Mumbai ACC	Mumbai Control English H24	120.5 MHZ 125.35 MHZ 132.7 MHZ 133.3 MHZ 133.85 MHZ	

2.1.2 Control Area

Name, Lateral Limits Vertical Limits Class of airspace	Unit providing service	Call sign Languages Area and condition of use Hours of service	Frequency/Purpose	Remarks
Chennai Upper Control Area- Area bounded by - 180000N 0760000E; 191900N 0760000E; 194300N 0771000E; 184250N 0820000E; 184100N 0824900E; 154200N 0855400E; 123935N 0833323E; -then along the clockwise arc of 200NM centred at (125936.1N 0801014.5E) to 100006N 0814654E; 100000N 0800000E; 090000N 0793000E; 070000N 0770000E; 060000N 0770000E; 060000N 0740000E; 073000N 0740000E; 073000N 0720000E; 150000N 0720000E; 150000N 0733500E; 161700N 0730000E; 162200N 0733400E; 162600N 0741100E; 163600N 0752800E; 164000N 0760000E and 180000 N0760000E excluding the airspace bounded by 130000N 0782500E; 124500N 0782500E; 122800N 0791700E; -then along clockwise arc of 100NM radius centred at 125705.1N 0773955.7E to 111800N 0772400E; 115800N 0773100E; 120400N 0771300E; 113800N 0770000E; 124500N 0762700E; 124500N 0770900E; 125030N 0770830E; 130100N 0772600E and 130000N 0782500E FL 460 / FL 255 D	Chennai Upper ACC	Chennai Control Chennai Radar (RSR) English H24	118.9 MHZ 119.25 MHZ 124.45 124.5 MHZ 125.3 MHZ 126.15 MHZ 128.1 MHZ 128.7 MHZ 132.25 MHZ 132.5 MHZ 132.95 MHZ 133.95 MHZ 134.25 MHZ 134.3 MHZ 134.425 MHZ	
Cochin Control Area- A Circular area of radius 25 NM centered at 100913N 0762426E excluding the airspace contained within Cochin CTR and portions of Cochin (Navy) VFR Flying Zone, Restricted Areas VOR 191- A & VOR 191-B. • 5500 FT AMSL / 900 FT AMSL. Airspace classified as Class 'D'. 5500 FT AMSL/ 900FT AMSL D	Cochin APP	Cochin Approach/Cochin Radar English H24	119.75 MHZ 133.15 MHZ	1. Aircraft below 900 FT AMSL between 15 NM and 25 NM from ARP of Cochin International Airport may contact Cochin APP for traffic information.

Name, Lateral Limits Vertical Limits Class of airspace	Unit providing service	Call sign Languages Area and condition of use Hours of service	Frequency/Purpose	Remarks
Cochin Control Area- B Area bounded by 101500N 0772500E; 103639N 0770519E; then along clockwise arc of 25 NM radius centered at 110137N 0770230E to 105416N 0763812E; 105500N 762900E; 105559N 0761912E; then along clockwise arc of 25 NM radius centered at 110816N 0755702E to 104318N 0755424E; then along anti-clockwise arc of 45 NM radius centered at 100913N 0762426E to 094124N 0754830E; 093000N 0760700E; 093000N 0765800E and 101500N 0772500E; excluding portions of Restricted Areas VOR191-C and VOR191-D. • FL145 / 5500 FT AMSL. • Airspace classified as Class 'D', excluding the airspace bound by a circle of 25 NM radius centered at 100913N 0762426E from FL145 / 5500 FT AMSL, which is classified as Class 'C'. FL 145 / 5500FT AMSL D	Cochin APP	Cochin Approach/Cochin Radar English H24	119.75 MHZ 133.15 MHZ	1. Aircraft below 900 FT AMSL between 15 NM and 25 NM from ARP of Cochin International Airport may contact Cochin APP for traffic information. 2. Cochin Approach/Radar: 119.750MHZ (MAIN)/ 133.150MHZ (BACKUP)
Cochin Control Area- C Area bounded by 103700N 0742000E; 093000N 0760700E; 093000N 0765800E; 101800N 0772700E; 103600N 0774600E; 105700N 0772700E; 110900N 0772700E; 111806N 0772456E; 115800N 0773100E; 120400N 0771300E; 113806N 0765956E; 124530N 0762715E; 122229N 0751514E to point of origin. • FL 255 / FL 145. • Airspace classified as Class 'D', excluding the airspace bound by a circle of 50 NM radius centered at 100913N 0762426E from FL255 / FL145, which is classified as Class 'C'. FL 255 / FL 145 D	Cochin ACC	Cochin Control/Cochin Radar English H24	128.3 MHZ 133.15 MHZ	
Coimbatore Control Area- A Area bounded by 111403N 0764025E; then along the clockwise arc of a circle of 25 NM radius centered at 110137N 0770230E to 105416N 0763812E; 105500N 0762900E; 111500N 0763100E to point of origin, excluding the airspace contained within Coimbatore CTR. • 5500 FT AMSL / 2000 FT AMSL. Airspace classified as Class 'D'. 5500 FT AMSL/ 2000FT AMSL D	Coimbatore APP	Coimbatore Approach English H24	120.05 MHZ 126.55 MHZ	1. Aircraft below 2000 FT AMSL between 13 NM and 25 NM from ARP of Coimbatore Aerodrome may contact Coimbatore APP/ Sular TWR for traffic information.

Name, Lateral Limits Vertical Limits Class of airspace	Unit providing service	Call sign Languages Area and condition of use Hours of service	Frequency/Purpose	Remarks
Coimbatore Control Area- B Area bounded by 111403N 0764025E; then along the clockwise arc of a circle of 25 NM radius centered at 110137N 0770230E to 112640N 0770048E; 120400N 0771300E; 115800N 0773100E; 111806N 0772456E; 110900N 0772700E; 105700N 0772700E; 103600N 0774600E; 101800N 0772700E; 101500N 0772500E; 103639N 0770519E then along the clockwise arc of a circle of 25 NM radius centered at 110137N 0770230E to 105416N 0763812E; 105500N 0762900E; 111500N 0763100E; to point of origin, excluding the airspace contained within Coimbatore CTR. • FL 145 / 5500 FT AMSL. Airspace classified as Class 'D'. FL 145 / 5500FT AMSL D	Coimbatore APP	Coimbatore Approach English H24	120.05 MHZ 126.55 MHZ	1. Aircraft below 2000 FT AMSL between 13 NM and 25 NM from ARP of Coimbatore Aerodrome may contact Coimbatore APP/ Sullur TWR for traffic information.
DURGAPUR Control Area- Area bounded by lines joining points 232816N 0873353E; 232824N 0872547E; 231500N 0870900E; 232243N 0865949E then along the clockwise arc of a circle of 20NM radius centred on 233728N 0871433E to 232816N 0873353E to point of origin. FL 105 / FL 65 D	Panagarh APP	Panagarh Approach English HJ	118.8 MHZ	1. Under the control of Panagarh ATC when Panagarh is on watch and handed over to Durgapur when Panagarh is not available. 2. ATC Frequencies: i. Panagarh TWR: 124.000 MHz ii. Panagarh APP: 118.800 MHz iii. Durgapur TWR: 119.450 MHz 118.550 MHz

Name, Lateral Limits Vertical Limits Class of airspace	Unit providing service	Call sign Languages Area and condition of use Hours of service	Frequency/Purpose	Remarks
Delhi Control Area- 1 Area bounded by - 283700N 0771555E; 283700N 0772955E; 283400N 0774855E; 283000N 0783055E; 274401N 0775655E; 274501N 0775255E - then along counterclockwise arc of 35NM radius centred at 270902N 0775652E to 272901N 0772455 E; 272901N 0765056E; 280500N 0754256E; 285000N 0753356E; 293300N 0755956E; 290700N 0765756E; 294500N 0771055E; 294100N 0772955E; 285600N 0771155E; - then along river Yamuna to 283700N 0771555E FL 100/ 5000 FT AMSL D Airspace is classified as Class D excluding the airspace classified as Class C given below: Airspace bound by a circle of 30 NM radius centred at 283407N 0770644E within control area. Vertical Limit – FL 100/ 5000 FT AMSL FL 100 / 5000FT AMSL D	Delhi Approach Control	Delhi Approach/Delhi Radar English H24	118.825 MHZ 124.2 MHZ 126.35	

Name, Lateral Limits Vertical Limits Class of airspace	Unit providing service	Call sign Languages Area and condition of use Hours of service	Frequency/Purpose	Remarks
Delhi Control Area- 2 Area bounded by 285000N 0751656E; 304559N 0745857E; 305159N 0751956E; 294400N 0755256E; 290700N 0765756E; 294500N 0771055E; 294100N 0772955E; 285600N 0771155E; - then along the river Yamuna to 283700N 0771555E; 283700N 0772955E; 283400N 0774855E; 283000N 0783055E; 274301N 0795054E; 271301N 0792154E; 274401N 0775655E; 274501N 0775255E; -then along counter clockwise arc of 35NM radius centred at 270902N 0775652E to 272901N 0772455E; 272901N 0765056E 264628N 0762601E; 273558N 0763807E; 274906N 0751908E; 280500N 0754256E; 280100N 0734457E; 284800N 0734457E; 285000N 0751656E. FL155 / FL100 Airspace is classified as Class D excluding the airspace classified as Class C given below: Airspace bound by a circle of 60 NM radius centred at 283407N 0770644E within control area. Vertical Limit: FL 155/ FL 100 Area bounded by - 300000N 0750626E; 304459N 0745327E; 304559N 0745857E; 300000N 0750626E. FL 155 / FL 110 • Airspace classified as Class D. FL 155 / FL 100	Delhi ACC	Delhi Control English H24	120.9 MHZ 124.55 MHZ 125.7 MHZ 125.95 MHZ 132.15 MHZ 132.85 MHZ 133.9 MHZ 134.5 MHZ	1. Corridor bounded by coordinates 2952N 07551E; 2943N 07555E; 2933N 07519E; 2942N 07518E, 2952N 07551E from FL 100 to FL120 is reserved for Indian Air Force aircraft crossing ATS route. This Airspace is not available for civil flights. 2. ADS/CPDLC LOG ON VIDF

Name, Lateral Limits Vertical Limits Class of airspace	Unit providing service	Call sign Languages Area and condition of use Hours of service	Frequency/Purpose	Remarks
Delhi- LDP1 (Lower Delhi ACC North East) Area bounded by - 283401N 0770537E; 272008N 0775711E; 263513N 0790228E; 271301N 0792154E; 272001N 0792854E; 274301N 0795054E; 282551N 0803028E; 283612N 0804021E; then Westward along the International Boundary of India with Nepal, then along International Boundary with China up to point 313010N 0784245E; 300550N 0783633E; 285957N 0774017E; 283401N 0770537E FL255/FL155 Airspace is classified as Class D excluding the airspace classified as Class C given below: Airspace bound by a circle of 60 NM radius centred at 283407N 0770644E. Vertical Limit: FL 255/ FL 155 FL 255 / 155FT AMSL D	Delhi ACC	Delhi Control/Delhi Radar (RSR) English H24	120.9 MHZ 134.5 MHZ	Excluding SUA structures when with defence agencies
Delhi- LDP2 (Lower Delhi ACC South East) Area bounded by - 283401N 0770537E; 272008N 0775711E; 263513N 0790228E; 255358N 0800131E; 251701N 0794954E; 253601N 0793554E; 250801N 0785955E; 250001N 0790455E; 250000N 0760000E; 263257N 0762243E; 273558N 0763807E; 283401N 0770537E. FL 255/ FL 155 Airspace is classified as Class D excluding the airspace classified as Class C given below: Airspace bound by a circle of 60 NM radius centred at 283407N 0770644E. Vertical Limit: FL 255/ FL 155 FL 255 / 155FT AMSL D	Delhi ACC	Delhi Control/Delhi Radar (RSR) English H24	125.7 MHZ 133.9 MHZ	Excluding SUA structures when with defence agencies

Name, Lateral Limits Vertical Limits Class of airspace	Unit providing service	Call sign Languages Area and condition of use Hours of service	Frequency/Purpose	Remarks
Delhi- LDP3 (Lower Delhi ACC South West) Area bounded by - 283401N 0770537E; 273558N 0763807E; 263257N 0762243E; 272210N 0743841E; 261336N 0725543E; 250000N 0733211E Then along a counterclockwise arc of 30 NM radius centred at 243706N 0735334E to 245150N 0732450E; 252348N 0703953E; then Northwards following the geographical boundaries of India and Pakistan till it meets point, 282753N 0721335E; 282733N 0751902E; 283401N 0770537E. FL255/FL155 Airspace is classified as Class D excluding the airspace classified as Class C given below: Airspace bound by a circle of 60 NM radius centred at 283407N 0770644E. Vertical Limit: FL 255/ FL 155 FL 255 / 155FT AMSL D	Delhi ACC	Delhi Control/Delhi Radar (RSR) English H24	132.15 MHZ 132.85 MHZ	Excluding SUA structures when with defence agencies
Delhi- LDP4 (Lower Delhi ACC North West) Area bounded by - 282753N 0721335E then Northwards following the geographical boundaries of India and Pakistan then, 320659N 0751556E; 314359N 0753956E; 315959N 0755956E; 320000N 0784600E; then eastward along the International Boundary to a point on common border of India and China, which is 313010N 0784245E; to 300550N 0783633E; 285957N 0774017E; 283401N 0770537E; 282733N 0751902E; 282753N 0721335E. FL255/FL155 Airspace is classified as Class D excluding the airspace classified as Class C given below: Airspace bound by a circle of 60 NM radius centred at 283407N 0770644E. Vertical Limit: FL 255/ FL 155 FL 255 / 155FT AMSL D	Delhi ACC	Delhi Control/ Delhi Radar (RSR) English H24	124.55 MHZ 134.075 MHZ	Excluding SUA structures when with defence agencies

Name, Lateral Limits Vertical Limits Class of airspace	Unit providing service	Call sign Languages Area and condition of use Hours of service	Frequency/Purpose	Remarks
Delhi- UDP1 (Upper Delhi ACC North East) Area bounded by lines joining points 272008N 0775711E; 255358N 0800131E; 262401N 0801154E; 264531N 0805340E; 270922N 0813300E; 273424N 0824443E; then Westward along the International Boundary of India with Nepal, then along International Boundary with China up to point 313010N 0784245E; 300550N 0783633E; 285957N 0774017E; 282311N 0781501E; 272008N 0775711E; FL460/FL255 Airspace is classified as Class D excluding the airspace classified as Class C given below: Airspace bound by a circle of 60 NM radius centred at 283407N 0770644E. Vertical Limit: FL 285/ FL 255 FL 460 / 255FT AMSL D	Delhi ACC	Delhi Control/Delhi Radar (RSR) English H24	119.5 MHZ 134.5 MHZ	Excluding SUA structures when with defence agencies
Delhi- UDP2 (Upper Delhi ACC South East) Area bounded by - 271410N 0765715E; 271525 N 0764329E; 272019N 0763507E; 270002N 0762257E; 263257N 0762243E 250000N 0760000E; 250001N 0790455E; 250801N 0785955E; 253601N 0793554E; 251701N 0794954E; 255358N 0800131E; 272008N 0775711E; 270940N 0773449E; 271410N 0765715E. FL460/FL255 Airspace classified as D. FL 460 / 255FT AMSL D	Delhi ACC	Delhi Control/Delhi Radar (RSR) English H24	125.95 MHZ 133.9 MHZ	Excluding SUA structures when with defence agencies
Ranchi Control Area - Sector A Area bounded by lines joining points 223340N 0854200E then along the clockwise arc of a circle of 50NM radius centred on ARP VERC (231851N 0851916E) to 231230N 0861330E; 231230N 0854840E; 225250N 0853225E to point of origin. FL 105 / FL 55 D	Ranchi APP	Ranchi Approach English HO	118.05 MHZ 124.3 MHZ	

Name, Lateral Limits Vertical Limits Class of airspace	Unit providing service	Call sign Languages Area and condition of use Hours of service	Frequency/Purpose	Remarks
Delhi- UDP3 (Upper Delhi ACC South West) Area bounded by - 250000N 0760000E; 250000N 0741457E then along a counterclockwise arc of 30 NM radius centered at 243706N 0735334E; to 245150N 0732450E; 252348N 0703953E then Northwards following the geographical boundaries of India & Pakistan till it meets the points 282753N 0721335E; 282733N 0751902E; 280000N 0752121E; 272019N 0763507E; 270002N 0762257E; 263257N 0762243E; 250000N 0760000E; FL 460/ FL 255 Airspace classified as D. FL 460 / 255FT AMSL D	Delhi ACC	Delhi Control/Delhi Radar (RSR) English H24	132.5 MHZ 132.85 MHZ	Excluding SUA structures when with defence agencies
Delhi- UDP4 (Upper Delhi ACC North West) Area bounded by - 282753N 0721335E; then Northwards following the geographical boundaries of India and Pakistan then, 320659N 0751556E; 314359N 0753956E; 315959N 0755956E; 320000N 0784600E; then Eastward Along the International Boundary to a point on Common Border of India and China, which is 313010N 0784245E; to 300550N 0783633E; 285957N 0774017E; 294931N 0760804E; 285129N 0752958E; 282733N 0751902E; 282753N 0721335E. FL 460 /FL 255 Airspace is classified as Class D excluding the airspace classified as Class C given below: Airspace bound by a circle of 60 NM radius centred at 283407N 0770644E. Vertical Limit: FL 285/ FL 255 FL 460 / 255FT AMSL D	Delhi ACC	Delhi Control/Delhi Radar (RSR) English H24	132.975 MHZ 134.075 MHZ	Excluding SUA structures when with defence agencies

Name, Lateral Limits Vertical Limits Class of airspace	Unit providing service	Call sign Languages Area and condition of use Hours of service	Frequency/Purpose	Remarks
Delhi- UDP5 (Upper Delhi ACC Central) UDP5 (Upper Delhi ACC Central): Area bounded by - 270940N 0773449E; 271410N 0765715E; 271525N 0764329E; 272019N 0763507E; 280000N 0752121E; 282733N 0751902E; 285129N 0752958E; 294931N 0760804E; 285957N 0774017E; 282311N 0781501E; 272008N 0775711E; 270940N 0773449E. FL460/FL255 Airspace is classified as Class D excluding the airspace classified as Class C given below: Airspace bound by a circle of 60 NM radius centred at 283407N 0770644E. Vertical Limit: FL 285/ FL 255 FL 460 / 255FT AMSL D	Delhi ACC	Delhi Control/Delhi Radar (RSR) English H24	132.775 MHZ 134.075 MHZ	Excluding SUA structures when with defence agencies
Gaya Control Area- Sector 1 Area bounded by lines joining points 251244N 0844402E then along the counter clockwise arc of a circle of 30NM radius centred on 253537N 0850531E to 250649N 0851502E; 244925N 0852725E then along the clockwise arc of a circle of 50NM radius centred on 253537N 0850531E to 245904N 0842728E then along the clockwise arc of a circle of 30NM radius centred on 244453N 0845633E to point of origin. FL 065 / 1400FT AMSL D	Gaya Approach	Gaya Approach English HO	118.45 MHZ	Aircraft below 1400 ft AMSL between 10 NM and 30 NM from ARP of Gaya Aerodrome may contact Gaya APP for traffic information.
Gaya Control Area- Sector 2 Area bounded by lines joining points 245904N 0842728E then along the counter clockwise arc of a circle of 50NM radius centred on 253537N 0850531E to 244925N 0852725E; 244634N 0852927E then along the clockwise arc of a circle of 30NM radius centred on 244453N 0845633E to point of origin. FL 105 / 1400FT AMSL D	Gaya Approach	Gaya Approach English HO	118.45 MHZ	
Goa Control Area- 1 Area bounded by lines joining points 153545N 0732759E then along the clockwise arc of a circle of 25NM radius centred on 154433N 0735201E to 155237N 0741620E; 153855N 0741620E; 153545N 0741131E to point of origin. FL 085 / 1600FT AMSL D	MOPA APP	Mopa Approach English H24	123.8 MHZ 125.15 MHZ	

Name, Lateral Limits Vertical Limits Class of airspace	Unit providing service	Call sign Languages Area and condition of use Hours of service	Frequency/Purpose	Remarks
Goa Control Area- 2 Area bounded by lines joining points 153545N 0732759E; 153545N 0741131E; 153131N 0741410E then along the clockwise arc of a circle of 25NM radius centred on 154433N 0735201E to point of origin. FL 085 / 1600FT AMSL D	Goa Approach	Goa APP English HO	118.1 MHZ 119.7 MHZ	1. Air traffic services provided by Goa (Indian Navy) 2. When Airspace is released by ATC Goa then Air traffic services will be provided by Mopa App under FUA
Goa Control Area- 3 Area bounded by lines joining points 153545N 0732759E; 153545N 0741131E; 153131N 0741410E; 150719N 0742646E then along the clockwise arc of a circle of 50NM radius centred on 154433N 0735201E to 153545N 0730100E to point of origin. FL 195 / FL 85 D	Goa Approach	Goa APP English HO	118.1 MHZ 119.7 MHZ	1. Air traffic services provided by Goa (Indian Navy) 2. When Airspace is released by ATC Goa then Air traffic services will be provided by Mopa App under FUA
Goa Control Area- 4 Area bounded by lines joining points 153545N 0732759E then along the clockwise arc of a circle of 25NM radius centred on 154433N 0735201E to 160931N 0735446E; 163443N 0735159E then along the counter clockwise arc of a circle of 50NM radius centred on 154433N 0735201E to 153545N 0730100E to point of origin. FL 195 / 3600FT AMSL D	MOPA APP	Mopa Approach English H24	123.8 MHZ 125.15 MHZ	
Goa Control Area- 5 Area bounded by lines joining points 153545N 0732759E then along the clockwise arc of a circle of 25NM radius centred on 154433N 0735201E to 160931N 0735446E; 163443N 0735159E then along the clockwise arc of a circle of 50NM radius centred on 154433N 0735201E to 150719N 0742646E; 153131N 0741410E; 153545N 0741131E to point of origin. FL 195 / FL 85 D	MOPA APP	Mopa Approach English H24	123.8 MHZ 125.15 MHZ	

Name, Lateral Limits Vertical Limits Class of airspace	Unit providing service	Call sign Languages Area and condition of use Hours of service	Frequency/Purpose	Remarks
Goa Control Area- 6 Area bounded by lines joining points 160557N 0730501E; 161504N 0724458E; 163534N 0730628E then along the counter clockwise arc of a circle of 150NM radius centred on 190530N 0725158E to 165308N 0740713E; 162028N 0742844E then along the counter clockwise arc of a circle of 50NM radius centred on 154433N 0735201E to point of origin. FL 195 / FL 85 D	MOPA APP	Mopa Approach English H24	123.8 MHZ 125.15 MHZ	

Name, Lateral Limits Vertical Limits Class of airspace	Unit providing service	Call sign Languages Area and condition of use Hours of service	Frequency/Purpose	Remarks
Ahmedabad Control Area- Area bounded by lines joining points 250000N 0760000E; 210000N 0760000E; 212103N 0740857E; 213134N 0731852E; 212126N 0731451E; 213020N 0723307E then along the clockwise arc of a circle of 25NM radius centred at 214516N 0721126E to 212012N 0721228E; 211131N 0720523E; 204803N 0712758E; 220404N 0704226E then along the clockwise arc of a circle of 15NM radius centred at 221834N 0704646E to 222951N 0703603E; 224815N 0703900E; 224830N 0705000E; 225002N 0710459E; 225148N 0711200E; 232206N 0705045E; 235802N 0684000E then along India - Pakistan Border up to 252348N 0703953E; 245150N 0732450E; then along the clockwise arc of a circle of 30NM radius centred at 243706N 0735334E to 250000N 0741457E to 250000N 0760000E. • FL460/1000 ft AMSL up to 30 NM centred at 230416N 0723735E, excluding the airspace contained within Ahmedabad CTR. • FL460/FL065 between 30NM to 100NM centred at 230416N 0723735E, excluding the airspace contained within Bhavnagar CTA, Rajkot CTA and Udaipur CTA. • FL460/FL145 beyond 100NM centred at 230416N 0723735E. Airspace is classified as Class D excluding airspace classified as Class C given below: Airspace bound by a circle of 30 NM radius centred at 230416N 0723735E; • FL285/5500 ft. AMSL excluding the airspace contained within Ahmedabad CTR. Airspace between circles of 30 NM and 100 NM radii centred at 230416N 0723735E: • FL285/FL065. Airspace beyond 100 NM within centred at 230416N 0723735E: • FL285/FL145. FL 460 / 1000FT AMSL D	Ahmedabad APP	Ahmedabad Approach / Ahmedabad Radar English H24	119.8 MHZ	1. Aircraft below 1000 ft. AMSL between 15 NM and 30 NM from ARP of Ahmedabad Airport may contact Ahmedabad APP for traffic information. 2. Dynamic vertical sectorisation of ACC may be resorted based on traffic situation.
	Ahmedabad ACC	Ahmedabad Control / Ahmedabad Radar English H24	119.35 MHZ 123.75 MHZ 134.2 MHZ	

Name, Lateral Limits Vertical Limits Class of airspace	Unit providing service	Call sign Languages Area and condition of use Hours of service	Frequency/Purpose	Remarks
Aurangabad Control Area- Area bounded by 201803N 0751457E; 210000N 0760000E; 202839N 0760000E; then along clockwise arc of 50NM centred at 195152N 0752351E to 192059N 0760536E; 191900N 0760000E; 191400N 0760000E; 192103N 0745957E; 191813N 0743646E; then along counter- clockwise arc of 100 NM centred at 190530N 0725158E to 195924N 0742116E; 201803N 0751457E. • FL145/2800 ft. AMSL upto 25NM from 195152N 0752351E, excluding the airspace contained within Aurangabad CTR. • FL145/FL055 beyond 25NM from 195152N 0752351E, excluding the airspace contained within Shirdi CTR and CTA. • Airspace is classified as Class D. FL 145 / 2800FT AMSL D	Aurangabad Approach Control	Aurangabad Approach English HO	118.35 MHZ 122.3 MHZ	Aircraft below 2800 ft AMSL between 10 NM and 25 NM from ARP of Aurangabad Airport may contact Aurangabad APP for traffic information.
Bhavnagar Control Area- Area bounded by a circle of radius 25 NM centered at 214516N 0721126E. • FL145/1100 ft. AMSL excluding the airspace contained within Bhavnagar CTR. • Airspace is classified as Class D FL 145 / 1100FT AMSL D	Bhavnagar Approach	Bhavnagar Approach English HO	118.15 MHZ 120.8 MHZ	Aircraft below 1100 ft AMSL between 10 NM and 25 NM from ARP of Bhavnagar Airport may contact Bhavnagar APP for traffic information.
Bhopal Control Area- Area bounded by points 240500N 0762845E; 240500N 0783240E; 224000N 0783240E; 224000N 0764216E; 225115N 0763600E; 230800N 0762845E; 231649N 0762845E and 240500N 0762845E. • FL145/2500 ft. AMSL upto 30NM from 231713N 0772013E excluding the airspace contained within Bhopal CTR. • FL145/FL055 beyond 30NM from 231713N 0772013E. • Airspace is classified as Class D. FL 145 / FL 55 D	Bhopal APP	BHOPAL APPROACH English HO	118.05 MHZ 118.55 MHZ	Aircraft below 2500 ft AMSL between 11 NM and 30 NM from ARP of Bhopal Airport may contact Bhopal APP for traffic information.

Name, Lateral Limits Vertical Limits Class of airspace	Unit providing service	Call sign Languages Area and condition of use Hours of service	Frequency/Purpose	Remarks
Calicut Control Area- A Area bounded by 111559N 0762114E; 111500N 0763100E; 105500N 0762900E; 105559N 0761912E then along clockwise arc of 25 NM radius centered 110816N 0755702E to 111559N 0762114E, excluding the airspace contained within Calicut CTR. • FL145 / 1200 FT AMSL. Airspace classified as Class 'D'. FL 145 / 1200FT AMSL D	Calicut APP	Calicut APP English H24	119.15 MHZ 122.95 MHZ 123.35 MHZ	1. Aircraft below 1200 FT AMSL between 12NM and 25 NM from ARP of Calicut Aerodrome may contact Calicut APP for traffic information.
Calicut Control Area- B Area bounded by lines joining points 104318N 0755424E; 104318N 0750000E; 113000N 0750000E; 113000N 0753828E; 112713N 0754021E then along the counter clockwise arc of a circle of 25NM radius centred on 110816N 0755702E to point of origin. FL 145 / 7500FT AMSL D	Calicut APP	Calicut APP English H24	119.15 MHZ 122.95 MHZ 123.35 MHZ	1. Aircraft below 1200 FT AMSL between 12NM and 25 NM from ARP of Calicut Aerodrome may contact Calicut APP for traffic information.
Chennai Control Area- Area bound by a circle of radius 50 NM centred at 125936.1N 0801014.5E excluding the vertical and lateral limits of Tirupati CTR when active. FL 145 / FL 50 D	Chennai APP	Chennai Approach Chennai Radar English H24	120.75 MHZ 125.5 MHZ 127.9 MHZ	
Chennai Control Area- Sector OCH Area bounded by 123935N 0833323E; 160538N 0843552E; 163721N 0845647E; 154200N 0855400E; 085553N 0922347E; 081234N 0942509E; 060000N 0942500E; 060000N 0920000E; 100000N 0820000E; 100006N 0814654E; -then along the anticlockwise arc of 200NM centered at (125936N 0801015E) to 123935N 0833323E excluding the Controlled Airspace of Campbell Bay and Car Nicobar. UNL/GND or sea level • Airspace within ATS Routes is classified as 'E'. • Airspace outside ATS Route segment is Classified as 'G' UNL / GND	Chennai Radio (MWARA)	Chennai Radio English H24	11285 KHZ 13318 KHZ 3470 KHZ 5670 KHZ	
	Chennai OCC	Chennai Oceanic Control English H24	124.45 MHZ 126.15 MHZ	
	Chennai Radio (RDARA)	Chennai Radio English H24	6583 KHZ 8861 KHZ 8909 KHZ	

Name, Lateral Limits Vertical Limits Class of airspace	Unit providing service	Call sign Languages Area and condition of use Hours of service	Frequency/Purpose	Remarks
Chennai Control Area- Sector UML Area bounded by lines joining points 110000N 0720000E; 110000N 0730600E; 101500N 0740700E; 103700N 0742000E; 100430N 0751407E; 102600N 0761430E; 112536N 0765503E; 113806N 0765956E; 124530N 0762715E; 124530N 0770830E; 125030N 0770830E; 130100N 0772550E; 130100N 0771410E then along the clockwise arc of a circle of 30NM radius centred on 131225N 0774356E to 133330N 0772045E; 144000N 0763600E; 145600N 0760600E; 144700N 0755800E; 155100N 0743700E; 162600N 0741100E; 162200N 0733400E; 161700N 0730000E; 150000N 0733500E; 150000N 0720000E to point of origin. FL 460 / FL 255 D	Chennai ACC (UML)	Chennai Control Chennai Radar (RSR) English H24	128.7 MHZ 134.425 MHZ	
Chennai Control Area- Sector UPB Area bounded by 154200N 0855400E; 140000N 0920000E; 133000N 0942500E; 081234N 0942509E; 085553N 0922347E; 154200N 0855400E; excluding the Controlled Airspace of Campbell Bay and Car Nicobar. UNL/GND • Airspace within ATS Routes is classified as 'E'. • Airspace outside ATS Route segment is classified as 'G' UNL / GND	Chennai OCC -	Chennai Radio English	124.45 MHZ 132.95 MHZ	
	Chennai Radio (MWARA)	Chennai Radio English H24	11285 KHZ 13318 KHZ 3470 KHZ 5670 KHZ	
	Chennai Radio (RDARA)	Chennai Radio English H24	6583 KHZ 8861 KHZ 8909 KHZ	

Name, Lateral Limits Vertical Limits Class of airspace	Unit providing service	Call sign Languages Area and condition of use Hours of service	Frequency/Purpose	Remarks
Chennai Control Area- Sector UTV Area bounded by lines joining points 112130N 0780745E; 110300N 0781700E; 100000N 0794000E; 100000N 0800000E; 090000N 0793000E; 070000N 0770000E; 060000N 0770000E; 060000N 0740000E; 073000N 0740000E; 073000N 0720000E; 110000N 0720000E; 110000N 0730600E; 101500N 0740700E; 103700N 0742000E; 100430N 0751407E; 102600N 0761430E; 112536N 0765503E; 113806N 0765956E; 120400N 0771300E; 115800N 0773100E; 111806N 0772456E then along the counter clockwise arc of a circle of 100NM radius centred on 125705N 0773956E to point of origin. FL 460 / FL 255 D	Chennai ACC (UTV)	Chennai Control Chennai Radar (RSR) English H24	132.25 MHZ 132.5 MHZ	
Chennai Control Area- Sector Upper Bengaluru East (UBL East) Area bounded by lines joining points 160054N 0772258E; 155700N 0773100E; 155800N 0784500E; 142300N 0785400E; 140100N 0791600E then along the counter clockwise arc of a circle of 80NM radius centred on 125936N 0801015E to 130000N 0784800E; 130100N 0771410E then along the clockwise arc of a circle of 30NM radius centred on 131224N 0774356E to 134218N 0774011E; 160054N 0772258E to point of origin. FL 460 / FL 255 D	Chennai ACC (UBL EAST)	Chennai Control Chennai Radar (RSR) English H24	118.9 MHZ 134.3 MHZ	
Chennai Control Area- Sector Upper Bengaluru West (UBL West) Area bounded by lines joining points 164000N 0760000E; 160054N 0772258E; 134218N 0774011E then along the counter clockwise arc of a circle of 30NM radius centred on 131224N 0774356E to 133330N 0772045E; 144000N 0763600E; 145600N 0760600E; 144700N 0755800E; 155100N 0743700E; 162600N 0741100E; 163600N 0752800E to point of origin. FL 460 / FL 255 D	Chennai ACC (UBL WEST)	Chennai Control Chennai Radar (RSR) English	124.5 MHZ 134.3 MHZ	

Name, Lateral Limits Vertical Limits Class of airspace	Unit providing service	Call sign Languages Area and condition of use Hours of service	Frequency/Purpose	Remarks
Chennai Control Area- Sector Upper Chennai UMM Area bounded by lines joining points 155800N 0784500E; 142300N 0785400E; 140100N 0791600E then along the counter clockwise arc of a circle of 80NM radius centred on 125936N 0801015E to 130000N 0784800E; 130000N 0782500E; 124500N 0782500E; 122800N 0791700E then along the clockwise arc of a circle of 100NM radius centred on 125705N 0773955E to 112130N 0780745E; 111400N 0781200E; 110300N 0781700E; 100000N 0794000E; 100000N 0800000E; 100006N 0814654E then along the counter clockwise arc of a circle of 200NM radius centred on 125936N 0801015E to 123935N 0833323E; 160538N 0843552E; 164604N 0823847E; 165700N 0822430E; 170916N 0820800E; 171500N 0820000E; 155900N 0791300E to point of origin. FL 460 / FL 255 D	Chennai ACC (UMM)	Chennai Control Chennai Radar (RSR) English H24	125.3 MHZ 133.95 MHZ 134.25 MHZ	
Chennai Control Area- Sector Upper Hyderabad (UHS) Area bounded by lines joining points 164000N 0760000E; 191400N 0760000E; 185931N 0772802E; 185838N 0775949E; 182442N 0800523E; 175010N 0811318E; 171500N 0820000E; 155900N 0791300E; 155700N 0773100E to point of origin. FL 460 / FL 255 D	Chennai ACC (UHS)	Chennai Control Chennai Radar (RSR) English H24	119.25 MHZ 128.1 MHZ	
Ranchi Control Area - Sector B Area bounded by lines joining points 223340N 0854200E; 224845N 0861003E; 231230N 0861330E; 231230N 0854840E; 225250N 0853225E to point of origin. FL 105 / FL 70 D	Ranchi APP	Ranchi Approach English HO	118.05 MHZ 124.3 MHZ	

Name, Lateral Limits Vertical Limits Class of airspace	Unit providing service	Call sign Languages Area and condition of use Hours of service	Frequency/Purpose	Remarks
Shirdi Control Area- Area bounded by lines joining points 195118N 0735755E; 200353N 0743411E; then along the clockwise arc of a circle of 25NM radius centered on 194127N 0742218E to 191721N 0742934E; 191622N 0742136E; then along the clockwise arc of a circle of 25NM radius centered on 194127N 0742218E to 195118N 0735755E. • FL095/3000 ft. AMSL excluding the airspace contained within Shirdi CTR. • Airspace is classified as Class D. FL 095 / 3000FT AMSL D	Shirdi APP	Shirdi Approach English HO	118.875 MHZ 121.225 MHZ	Aircraft below 3000 ft AMSL between 11 NM and 25 NM from ARP of Shirdi Airport may contact Shirdi APP for traffic information.
Surat Control Area- Area-A Area bounded by 204703N 0724154E; 205103N 0724958E; 204908N 0725418E, then along the counter clockwise arc of a circle of 20NM radius centered at 210658N 0724431E to 204703N 0724154E. • FL145/1100 ft. AMSL upto 20NM excluding the airspace contained within Surat CTR. Area-B Area bounded by lines joining points 212126N 0731451E; 204422N 0731015E; then along the counter clockwise arc of a circle of 100NM radius centered at 190530N 0725158E to 203950N 0721542E; 211131N 0720523E; 212012N 0721235E; then along the counter clockwise arc of a circle of 25 NM radius centered at 214516N 0721126E to 213020N 0723307E to 212126N 0731451E. • FL145/FL060 beyond 20NM, excluding the airspace contained within Surat CTR and Area-A of CTA. • Airspace is classified as Class D. FL 145 / 1100FT AMSL D	Surat APP	Surat Approach English HO	118.05 MHZ 118.55 MHZ	Aircraft below 1100 ft AMSL between 15 NM and 20 NM from ARP of Surat Airport may contact Surat APP for traffic information.

Name, Lateral Limits Vertical Limits Class of airspace	Unit providing service	Call sign Languages Area and condition of use Hours of service	Frequency/Purpose	Remarks
Thiruvananthapuram Control Area- Area bounded by a circle of radius 50 NM centred at 082846.14N 0765512.05E. * FL145/1000 FT AMSL upto 25NM, excluding the airspace contained within Thiruvananthapuram CTR. * FL145/5500 FT AMSL between 25NM to 50NM Airspace is classified as Class D excluding airspace classified as Class C given below: * Airspace bounded by a circle of 15 NM radius centered at Thiruvananthapuram ARP. * FL145/5500 FT AMSL * Airspace between circles of 15 NM and 50 NM radii centered at Thiruvananthapuram ARP: FL145/8500 FT AMSL FL 145 / 1000FT AMSL D	Thiruvananthapuram APP	Thiruvananthapuram Approach Thiruvananthapuram Radar English H24	119.6 MHZ	
Thiruvananthapuram Control Area- Area bounded by – 111400N 0781200E; 110300N 0781700E; 100000N 0794000E; 100000N 0800000E; 090000N 0793000E; 070000N 0770000E; 060000N 0770000E; 060000N 0740000E; 073000N 0740000E; 073000N 0720000E; 110000N 0720000E; 110000N 0730600E; 101500N 0740700E; 103700N 0742000E; 093000N 0760700E; 093000N 0765800E; 101800N 0772700E; 103600N 0774600E; 105700N 0772700E; 110900N 0772700E; 111800N 0772400E; then along counter clock wise arc of 100NM radius centred at 125705.1N 0773955.7E to 112130N 0780745E and 111400N 0781200E FL255/FL145 Airspace is classified as Class D excluding airspace classified as Class C given below: * Airspace bounded by a circle of 15 NM radius centered at Thiruvananthapuram ARP. FL255/FL145 * Airspace between circles of 15 NM and 50 NM radii centered at Thiruvananthapuram ARP: FL255/FL145 FL 255 / FL 145	Thiruvananthapuram ACC	Thiruvananthapuram Control Thiruvananthapuram Radar (RSR) English H24	125.95 MHZ 132.25 MHZ	

Name, Lateral Limits Vertical Limits Class of airspace	Unit providing service	Call sign Languages Area and condition of use Hours of service	Frequency/Purpose	Remarks
Tiruchirappalli Control Area- Area bounded by a circle of radius 25 NM centred at 104556.12N 0784254.16E excluding the airspace contained within Tiruchirappalli CTR. * Airspace classified as Class D * FL 65/1300 FT AMSL FL 065 / 1300FT AMSL D	Tiruchirappalli APP	Tiruchirappalli Approach English HO	124 MHZ	
Tiruchirappalli Control Area- Area bounded by lines joining points 102600N 0781121E; 101749N 0782403E; 100929N 0783644E; 100537N 0784500E; 095555N 0784731E then along the counter clockwise arc of a circle of 50NM radius centred on 104556N 0784254E to 113557N 0783820E then along the clockwise arc of a circle of 100NM radius centred on 125705N 0773956E to 112130N 0780745E; 111400N 0781200E; 110300N 0781700E; 104906N 0780956E; 103206N 0781355E to point of origin. FL 145 / FL 65 D	Tiruchirappalli APP	Tiruchirappalli Approach English HO	124 MHZ	
Udaipur Control Area- Area bounded by circular area of radius 30 NM centered at 243706N 0735334E. * FL145/2700 ft. AMSL excluding the airspace contained within Udaipur CTR. Airspace is classified as Class D. FL 145 / 2700FT AMSL D	Udaipur Approach	Udaipur Approach English HO	120.85 MHZ	Aircraft below 2700 ft AMSL between 10 NM and 30 NM from ARP of Udaipur Airport may contact Udaipur APP for traffic information.
Udhampur Control Area- Indian Air Force Area bounded by - 341958N 0732757E; 341958N 0752956E; 330959N 0753156E; 315959N 0755956E; 314359N 0753956E; 320659N 0751556E; -then along International boundary to 341958N 0732757E. UNL / 17000FT AMSL - North of 3310N UNL / 12000FT AMSL - South of 3310N	Udhampur ACC	Udhampur Control English HO	122.7 MHZ	

Name, Lateral Limits Vertical Limits Class of airspace	Unit providing service	Call sign Languages Area and condition of use Hours of service	Frequency/Purpose	Remarks
Vadodara Control Area- Area - 1: Area bounded by circular area of radius 25 NM centered at 221948N 0731308E. • FL65/900 ft AMSL, excluding the airspace contained within Vadodara CTR. Area - 2: Area bounded by 221946N 0734006E; 221943N 0735053E; then along the clockwise arc of 35NM centered at 221948N 0731308E to 214442N 0731427E; 215444N 0731406E; then along the counterclockwise arc of 25NM centered at 221948N 0731308E to 221946N 0734006E. • FL65/3000 ft AMSL. Airspace is classified as Class D. FL 065 / 3000FT AMSL D	Vadodara APP	Vadodara Approach English HO	118.325 MHZ 122.35 MHZ	Aircraft below 900 ft AMSL between 15 NM and 25 NM from ARP of Vadodara Airport may contact Vadodara APP for traffic information.
Varanasi Control Area- Sector Lower Varanasi (LBN) Area bounded by -231049N 0800334E; 250001N 0790455E; 250801N 0785955E; 253601N 0793554E; 251701N 0794954E; 255358N 0800131E; 252555N 0802744E; 263014N 0811717E; 264718N 0812436E; 273424N 0824443E then along the border of Nepal and India to 265355N 0850030E; 253132N 0835507E; 244431N 0845638E; 241232N 0842722E; 225817N 0840745E; 223024N 0820000E; 231049N 0800334E. FL 255 / FL 105 D	Varanasi ACC	Varanasi Control Varanasi Radar (RSR) English H24	118.95 MHZ 128.15 MHZ	
	Varanasi APP	Varanasi Approach English H24	123.875 MHZ	
Vijayawada Control Area- Area bounded by 163749N 0812409E; 163306N 0811412E; then along the clockwise arc of a circle of 25 NM radius centered at 163201N 0804812E to 165107N 0810508E; 165549N 0811512E; to point of origin, excluding the airspace contained within Vijayawada CTR. • FL145 / 1000 FT AMSL. Airspace classified as Class 'D'. FL 145 / 1000FT AMSL D	Vijayawada Approach	Vijayawada Approach English HO	118.55 MHZ 118.65 MHZ	1. Aircraft below 1000 FT AMSL between 15 NM and 25 NM from ARP of Vijayawada Aerodrome may contact Vijayawada APP for traffic information.

Name, Lateral Limits Vertical Limits Class of airspace	Unit providing service	Call sign Languages Area and condition of use Hours of service	Frequency/Purpose	Remarks
Vishakhapatnam Control Area- Circular area centered on 174004N 0831510E within a 50NM radius. FL 145 / 5500FT AMSL D	Vishakhapatnam TWR	Vishakhapatnam Approach English HO	123.5 MHZ	
Gondia Control Area- Area bounded by lines joining points 212807N 0795041E then along the clockwise arc of a circle of 25NM radius centred on 213125N 0801716E to 211747N 0795446E then along the counter clockwise arc of a circle of 50NM radius centred on 210530N 0790254E to point of origin. FL 095 / 2800FT AMSL D	Gondia Approach	Gondia Approach English HO	118.35 MHZ 118.7 MHZ	Aircraft below 2800 ft AMSL between 12 NM and 25 NM from ARP of Gondia Airport may contact Gondia APP for traffic information.
Guwahati Control Area- Area bounded by - 262702N 0903949.0E; 262702N 0921448E; 260737N 0922332E; 260715N 0922155E; 254720N 0921620E; 251845N 0924835E -then along an anticlockwise arc of 25NM centred 245502N 0925848E to 245602N 0923048E along Indo- Bangladesh border to 252002N 0895250E; 254602N 0903949E; 262702N 0903949E FL 255 / FL 85 D	Guwahati APP	Guwahati Approach Guwahati Radar(TAR) English HO	120.5 MHZ 123.3 MHZ	i. All aircraft operating within Guwahati FIR shall relay in- flight position report and departure information. Forward estimates etc. as appropriate on HF RDARA frequency to Guwahati FIC. ii. Flight operating on ATS route A599 & B465 will follow the existing procedure and report position to Kolkata FIC on appropriate HF MWARA frequency. iii. In case of poor contact on HF, pilot shall request appropriate ATC unit on VHF to relay its position to Guwahati FIC. iv. All aerodromes within Guwahati FIR shall pass relevant aircraft movement data to Guwahati FIC through available channels. v. Hours of operation of Guwahati FIC: 0030-1430 UTC daily. (Refer Notam for current watch hours).

Name, Lateral Limits Vertical Limits Class of airspace	Unit providing service	Call sign Languages Area and condition of use Hours of service	Frequency/Purpose	Remarks
Hashimara Control Area- Indian Air Force Area bounded by coordinates:- 265901N 0885550E - THEN ALONG INDO-BHUTAN BORDER TO 264302N 0895249E 263702N 0895149E 262702N 0903949E 260602N 0903949E 261502N 0894750E 260902N 0894500E- THEN ALONG INDO/BANGLADESH BORDER TO 262602N 0885550E 265901N 0885550E UNL / FL 075	Hashimara APP	Hashimara Approach English	130.4 MHZ	
Hyderabad Control Area- A Circular area of radius 25 NM centered at 171426N 0782544E, excluding the airspace contained within Shamshabad CTR. • 5500 FT AMSL / 3600 FT AMSL. Airspace classified as Class 'D' 5500 FT AMSL/ 3600FT AMSL D	Hyderabad APP	Hyderabad Approach Hyderabad Radar English H24	120.25 MHZ 125.55 MHZ	1. Aircraft below 3600 FT AMSL between 15 NM and 25 NM from ARP of Shamshabad Aerodrome may contact Hyderabad APP for traffic information..
Hyderabad Control Area- B Area bounded by 175004N 0774756E; 174304N 775356E; then along the clockwise arc of a circle of 25 NM radius centered at 175504N 0772956E to 173044N 0773615E; then along the counter clockwise arc of a circle of 50 NM radius centered at 171426N 0782544E to point of origin. • FL 145 / 5500 FT AMSL. • Airspace classified as Class 'D' except for airspace bound by a circle of 30 NM radius centered at 171426N 782544E between FL100 / 6000 FT AMSL and airspace bound by a circle of 50 NM radius centered at 171426N 0782544E between FL145 / FL100 designated as Class 'C' airspace. FL 145 / 5500FT AMSL D	Hyderabad APP	Hyderabad Approach Hyderabad Radar English H24	120.25 MHZ 125.55 MHZ	1. Aircraft below 3600 FT AMSL between 15 NM and 25 NM from ARP of Shamshabad Aerodrome may contact Hyderabad APP for traffic information..
Hyderabad Control Area- C Area bounded by 164000N 0760000E; 191900N 0760000E; 194300N 0771000E; 184250N 0820000E; 171500N 0820000E; 155900N 0791300E; 155700N 0773100E to point of origin. • FL 255 / FL145. • Airspace classified as Class 'D' except for airspace bound by a circle of 100 NM radius centered at 171426N 0782544E within the lateral limits of Hyderabad Control Area from FL255 / FL145 designated as Class 'C' airspace. FL 255 / FL 145 D	Hyderabad ACC.	Hyderabad Control Hyderabad Radar (RSR) English H24	120.95 MHZ 128.35 MHZ	

Name, Lateral Limits Vertical Limits Class of airspace	Unit providing service	Call sign Languages Area and condition of use Hours of service	Frequency/Purpose	Remarks
Indore Control Area- Area bounded by lines joining points 224000N 0764216E; 225115N 0763600E; 230800N 0762845E; 231649N 0762845E then along the counter clockwise arc of a circle of 50NM radius centered at 224324N 0754820E to 224000N 0764216E. • FL145/2900 ft. AMSL upto 30NM from 224324N 0754820E, excluding the airspace contained within Indore CTR; • FL145/FL055 beyond 30NM from 224324N 0754820E. • Airspace is classified as Class D. FL 145 / 2900FT AMSL D	Indore APP	Indore Approach English HO	118.5 MHZ 122.8 MHZ	Aircraft below 2900 ft AMSL between 11 NM and 30 NM from ARP of Indore Airport may contact Indore APP for traffic information.
Jaipur Control Area- 1 Area bounded by lines joining points 272210N 0743841E; 274906N 0751908E; 273558N 0763807E; 263257N 0762243E to point of origin. FL 155 / FL 110 D	Jaipur ACC	Jaipur Area English H24	125.975 MHZ 127.575 MHZ	
Jaipur Control Area- 2 Area bounded by lines joining points 272210N 0743841E; 263257N 0762243E; 250001N 0755956E; 250000N 0741436E then along the counter clockwise arc of a circle of 30NM radius centred on 243646N 0735339E to 250000N 0733243E; 261336N 0725543E to point of origin. FL 255 / FL 110 D	Jaipur ACC	Jaipur Area English H24	125.975 MHZ 127.575 MHZ	
Kannur Control Area- Area bounded by lines joining points 112713N 0754021E; 113000N 0753828E; 113000N 0750000E; 120755N 0750000E then along the counter clockwise arc of a circle of 50NM radius centred on ARP VOML (125743N 0745323E) to 122317N 0753025E; 121013N 0754600E then along the clockwise arc of a circle of 20NM radius centred on ARP VOKN (115457N 0753245E) to 113859N 0754507E; 113208N 0754907E then along the counter clockwise arc of a circle of 25NM radius centred on ARP VOCL (110816N 0755702E) to 112713N 0754021E to point of origin. FL 145 / 1400FT AMSL D	Kannur APP	Kannur Approach English H24	121.175 MHZ 121.975 MHZ	

Name, Lateral Limits Vertical Limits Class of airspace	Unit providing service	Call sign Languages Area and condition of use Hours of service	Frequency/Purpose	Remarks
Kolkata Lower Control Area- Sector Lower Kolkata East (LKE) Area bounded byKolkata VOR CEA, 223539N 0885626E; 210000N 0920000E; 182318N 0920000E; 201507N 0872651E; 203416N 0863738E; 222203N 0875651E; to Kolkata VOR CEA. FL 255/FL 105 Airspace within a lateral limit of 25nm radius centred at Kolkata ARP. FL 255/4000 FT AMSL • Airspace classified as ‘C’. Airspace within a lateral limit of 25 NM to 80 NM from Kolkata ARP. [Excluding airspace of Bangladesh] FL 255/FL105 • Airspace classified as ‘C’. Airspace within a lateral limit of 80 NM to 150 NM from Kolkata ARP. [Excluding airspace of Bangladesh] FL 255/FL150 • Airspace classified as ‘C’. FL 460 / FL 50	Kolkata ACC (LKE)	Kolkata Control Kolkata Radar (RSR) English	120.7 MHZ	Within the triangular area of Dhaka FIR 210000N 0920000E; 223500N 0885600E and213800N 0891000E responsibility for the provision of ATS between FL 50 to FL 460 is delegated to India. FL 255/FL 50 Airspace classified as ‘D’.
	Kolkata APP	Kolkata Approach Kolkata Radar (ASR) English H24	127.9 MHZ	

Name, Lateral Limits Vertical Limits Class of airspace	Unit providing service	Call sign Languages Area and condition of use Hours of service	Frequency/Purpose	Remarks
Kolkata Lower Control Area- Sector Lower Kolkata West (LKW) Area bounded by - 225817N 0840745E; 241232N 0842722E; 244431N 0845638E; 244419N 0851837E; 230726N 0880229E then clockwise arc of 35NM centred at Kolkata VOR CEA to 230559N 0885303E then along the international border of India and Bangladesh to 223539N 0885626E; Kolkata VOR CEA; 222203N 0875651E; 203416N 0863738E to 225817N 0840745E. FL 255/FL 105 Airspace classified as 'D'. Airspace within a lateral limit of 25nm radius centred at Kolkata ARP. FL 255/4000 FT AMSL • Airspace classified as 'C'. Airspace within a lateral limit of 25 NM to 80 NM from kolkata ARP. [Excluding airspace of Bangladesh] FL 255/FL105 • Airspace classified as 'C'. FL 255 / 4000FT AMSL	Kolkata ACC (LKW)	Kolkata Control Kolkata Radar (RSR) English	120.1 MHZ	Kolkata Control Area
	Kolkata APP	Kolkata Approach Kolkata Radar (ASR) English H24	127.9 MHZ	

Name, Lateral Limits Vertical Limits Class of airspace	Unit providing service	Call sign Languages Area and condition of use Hours of service	Frequency/Purpose	Remarks
Kolkata Lower Control- Sector Lower Kolkata North (LKN) Area bounded by – 244419N 0851837E; 244437N 0870228E; 253653N 0873319E; 262957N 0865355E then along the international border of India and Nepal to 262303N 0873449E; 260605N 0875630E; 255512N 0880545E then along international border of India and Bangladesh to 230559N 0885303E then 35NM anticlockwise arc centred at Kolkata VOR CEA to 230726N 0880229E; 244419N 0851837E. FL 255/FL 105 • Airspace classified as ‘D’. Airspace within a lateral limit of 25nm radius centred at Kolkata ARP. FL 255/4000 FT AMSL • Airspace classified as ‘C’. Airspace within a lateral limit of 25 NM to 80 NM from Kolkata ARP. [Excluding airspace of Bangladesh] FL 255/FL105 • Airspace classified as ‘C’. Airspace within a lateral limit of 80 NM to 150 NM from Kolkata ARP. [Excluding airspace of Bangladesh] FL 255/FL150 • Airspace classified as ‘C’. FL 255 / 4000FT AMSL	Kolkata APP	Kolkata Approach Kolkata Radar (ASR) English H24	127.9 MHZ	Kolkata Control Area
	Kolkata ACC (LKN)	Kolkata Control Kolkata Radar (RSR) English H24	127.3 MHZ	

Name, Lateral Limits Vertical Limits Class of airspace	Unit providing service	Call sign Languages Area and condition of use Hours of service	Frequency/Purpose	Remarks
Kolkata Oceanic Control Area- Sector OKC Area bounded by -140000N 0920000E, then along Kolkata – Chennai FIR boundary to 154200N 0855400E to 163721N 0845647E to 201507N 0872651E to 182318N 0920000E then along India – Myanmar FIR boundary to 140000N 0920000E UNL / GND a. Airspace within ATS route segment outside controlled airspace is classified as ‘E’. b. Airspace outside ATS route segment is classified as ‘G’	Kolkata OCC	Kolkata Oceanic Control English H24	128.3 OTHER	HF frequency 8861 KHz is introduced as MWARA frequency between 1330 UTC to 0130 UTC next day. All International flights are advised to contact Kolkata Radio on 8861KHz, in case of communication difficulties on HF MWARA frequencies 10066/6556/3491KHz due propagation constraints
	Kolkata Radio (MWARA)	Kolkata Radio English H24	10066 KHZ 3491 KHZ 6556 KHZ	
	Kolkata Radio (RDARA)	Kolkata Radio English H24	6583 KHZ 8861 KHZ 8906 KHZ	
Kolkata Upper Control Area- Sector UKE Area bounded by - Kolkata VOR CEA, 223539N 0885626E; 210000N 0920000E; 182318N 0920000E; 201507N 0872651E; 205025N 0862049E; 222203N 0875651E; Kolkata VOR CEA. FL 460/FL 255 • Airspace classified as ‘D’. Airspace within a lateral limit of 25 NM radius centred at Kolkata ARP. FL 285/FL255 • Airspace classified as ‘C’. Airspace within a lateral limit of 25 NM to 80 NM from Kolkata ARP. [Excluding airspace of Bangladesh] FL 285/FL255 • Airspace classified as ‘C’. Airspace within a lateral limit of 80 NM to 150 NM from Kolkata ARP. [Excluding airspace of Bangladesh] FL 285/FL255 • Airspace classified as ‘C’. FL 460 / FL 255	Kolkata ACC	Kolkata Control Kolkata Radar (RSR) English	120.575 MHZ	Sector Upper Kolkata East (UKE) Within the triangular area of Dhaka FIR 210000N 0920000E; 223500N 0885600E and 213800N 0891000E responsibility for the provision of ATS between FL050 to FL460 is delegated to India

Name, Lateral Limits Vertical Limits Class of airspace	Unit providing service	Call sign Languages Area and condition of use Hours of service	Frequency/Purpose	Remarks
Kolkata Upper Control Area- Sector UKN Area bounded by - 244419N 0851837E; 264755N 0851105E then along the Indo-Nepal border to 262303N 0873449E; 260605N 0875630E; 255512N 0880545E then along international border of India and Bangladesh to 230559N 0885303E then 35NM anticlockwise arc centred at (CEA VOR) to 230726N 0880229E; 244419N 0851837E FL 460/FL 255 • Airspace classified as 'D'. Airspace within a lateral limit of 25 NM radius centred at Kolkata ARP. FL 285/FL255 • Airspace classified as 'C'. Airspace within a lateral limit of 25 NM to 80 NM from Kolkata ARP. [Excluding airspace of Bangladesh] FL 285/FL255 • Airspace classified as 'C'. Airspace within a lateral limit of 80 NM to 150 NM from kolkata ARP. [Excluding airspace of Bangladesh] FL 285/FL255 • Airspace classified as 'C' FL 460 / FL 255	Kolkata ACC	Kolkata Control - Kolkata Radar (RSR) English	133.75 MHZ	Sector Upper Kolkata North (UKN)

Name, Lateral Limits Vertical Limits Class of airspace	Unit providing service	Call sign Languages Area and condition of use Hours of service	Frequency/Purpose	Remarks
Kolkata Upper Control Area- Sector UKW Area bounded by - 225817N 0840745E; 234355N 0832608E; 240036N 0834933E; 244431N 0845638E; 244419N 0851837E; 230726N 0880229E; then clockwise arc of 35NM centred at Kolkata VOR CEA to 230559N 0885303E then along the international border of India and Bangladesh to 223539N 0885626E; Kolkata VOR CEA; 222203N 0875651E; 205025N 0862049E; 215903N 0850927E; 225817N 0840745E FL 460/FL 255 • Airspace classified as ‘D’. Airspace within a lateral limit of 25 NM radius centred at Kolkata ARP. FL 285/FL255 • Airspace classified as ‘C’. Airspace within a lateral limit of 25 NM to 80 NM from Kolkata ARP. [Excluding airspace of Bangladesh] FL 285/FL255 • Airspace classified as ‘C’. Airspace within a lateral limit of 80 NM to 150 NM from Kolkata ARP. [Excluding airspace of Bangladesh] FL 285/FL255 • Airspace classified as ‘C’. FL 460 / FL 255	Kolkata ACC	Kolkata Control/Kolkata Radar (RSR) English	132.25 MHZ	Sector Upper Kolkata West (UKW)

Name, Lateral Limits Vertical Limits Class of airspace	Unit providing service	Call sign Languages Area and condition of use Hours of service	Frequency/Purpose	Remarks
Kolkata Upper Control Area- Sector UBN Area bounded by - 231049N 0800334E; 250001N 0790455E; 250801N 0785955E; 253601N 0793554E; 251701N 0794954E; 262401N 0801154E; 264531N 0805340E; 270922N 0813300E; 273424N 0824443E then along the international border of Nepal and India to 264755N 0851105E; 244419N 0851837E; 244431N 0845638E; 240036N 0834933E; 234355N 0832608E; 235753N 0802058E; 231049N 0800334E. FL 460 / FL 255 D	Kolkata Control	Kolkata Control/Kolkata Radar (RSR) English H24	124.65 MHZ 127.525 MHZ	Sector Upper Varanasi (UBN)
Kolkata Upper Control Area- Sector URP Area bounded by lines joining points 213009N 0803537E; 210042N 0813615E; 205427N 0823604E; 210316N 0834700E; 215903N 0850927E; 225817N 0840745E; 234355N 0832608E; 235753N 0802058E; 231049N 0800334E; 222850N 0802116E to point of origin. FL 460 / FL 255 D	Kolkata ACC	Kolkata Control/Kolkata Radar (RSR) English	125.9 MHZ	Sector Upper Raipur (URP)
Kolkata Upper Control Area- Sector Upper Bhubaneswar (UBS) Area bounded by lines joining points 213009N 0803537E; 203108N 0810523E; 190253N 0802330E; 182442N 0800523E; 175010N 0811318E; 170916N 0820800E; 165700N 0822430E; 164604N 0823847E; 160538N 0843552E; 163721N 0845647E; 201507N 0872651E; 205025N 0862049E; 215903N 0850927E; 210316N 0834700E; 205427N 0823604E; 210042N 0813615E to point of origin. FL 460 / FL 255 D	Kolkata ACC	Kolkata Control/Kolkata Radar (RSR) English	132.35 MHZ	

Name, Lateral Limits Vertical Limits Class of airspace	Unit providing service	Call sign Languages Area and condition of use Hours of service	Frequency/Purpose	Remarks
Kolkata Upper Control Area- Sector Upper Guwahati (UGT) Area bounded by - 262303N 0873449E then East along the border of Nepal and India to a point on common border of Nepal, China and India, then along the border of India and China to a point on common border of India, China and Myanmar, then along the border of India and Myanmar to a common point on Myanmar and Bangladesh then along the common border of India and Bangladesh (clockwise) to 255512N 0880545E, 260605N 0875630E to 262303N 0873449E. FL 460/FL 255 Airspace classified as Class 'D' FL 460 / FL 255 D	Kolkata ACC.	Kolkata Control Kolkata Radar (RSR) English H24	125.775 MHZ	
Lucknow Control Area - Sector A Area bounded by lines joining points 274301N 0795054E; 265801N 0810054E; 264718N 0812436E; 263014N 0811717E; 261435N 0810520E; 263201N 0804354E; 271301N 0792154E; 274301N 0795054E to point of origin. FL 105 / FL 50 D	Lucknow ACC	Lucknow Control English H24	120.45 MHZ	1. Air Traffic Services within Restricted Areas, when not active, will be provided by Lucknow ACC under Flexible Use of Airspace. 2. Status of Restricted Area and its Controlling unit may be obtained from Lucknow ACC.
	Lucknow APP	Lucknow Approach English HO	124.8 MHZ 125.8 MHZ	

Name, Lateral Limits Vertical Limits Class of airspace	Unit providing service	Call sign Languages Area and condition of use Hours of service	Frequency/Purpose	Remarks
Lucknow Control Area - Sector B Area bounded by lines joining points 264718N 0812436E; 262801N 0820053E; 255301N 0813253E; 261435N 0810520E; 263014N 0811717E to point of origin. FL 105 / FL 60 D	Lucknow ACC	Lucknow Control English H24	120.45 MHZ	1. Air Traffic Services within Restricted Areas, when not active, will be provided by Lucknow ACC under Flexible Use of Airspace. 2. Status of Restricted Area and its Controlling unit may be obtained from Lucknow ACC.
	Lucknow APP	Lucknow Approach English HO	124.8 MHZ 125.8 MHZ	
Lucknow Control Area - Sector East Area bounded by lines joining points 273424N 0824443E; 270922N 0813300E; 264531N 0805340E; 262401N 0801154E; 255358N 0800131E; 252555N 0802744E; 263015N 0811717E; 264718N 0812436E to point of origin. FL 255 / FL 105 D	Lucknow ACC	Lucknow Control English H24	120.45 MHZ	1. Air Traffic Services within Restricted Areas, when not active, will be provided by Lucknow ACC under Flexible Use of Airspace. 2. Status of Restricted Area and its Controlling unit may be obtained from Lucknow ACC.
Lucknow Control Area - Sector West Area bounded by coordinates – 283612N 0804021E, then along the Indo-Nepal border to 273424N 0824443E; 270922N 0813300E, 264531N 0805340E; 262401N 0801154E; 255358N 0800131E; 263513N 0790228E; 271301N 0792154E; 272001N 0792854E; 274301N 0795054E; 282551N 0803028E; 283612N 0804021E FL 255 / FL 105 D	Lucknow ACC	Lucknow Control English H24	120.45 MHZ	1. Air Traffic Services within Restricted Areas, when not active, will be provided by Lucknow ACC under Flexible Use of Airspace. 2. Status of Restricted Area and its Controlling unit may be obtained from Lucknow ACC.

Name, Lateral Limits Vertical Limits Class of airspace	Unit providing service	Call sign Languages Area and condition of use Hours of service	Frequency/Purpose	Remarks
Madurai Control Area- A Circular area of radius 25 NM centered at 095006N 0780519E, excluding the airspace contained within Madurai CTR. • 5500 FT AMSL / 2000 FT AMSL. Airspace classified as Class 'D'. 5500 FT AMSL/ 2000FT AMSL D	Madurai APP	Madurai Approach English H24	118.45 MHZ 122.8 MHZ	1. Aircraft below 2000 FT AMSL between 13 NM and 25 NM from ARP of Madurai Aerodrome may contact Madurai APP for traffic information.
Madurai Control Area- B Area bounded by lines joining points 095638N 0774051E; 101500N 0772500E; 101800N 0772700E; 103600N 0774600E; 102006N 0775956E; 101456N 0780352E; 102600N 0781121E; 101749N 0782403E; 100929N 0783644E; 095819N 0782915E then along the clockwise arc of a circle of 25NM radius centred on 095006N 0780519E to 095638N 0774051E to point of origin. FL 145 / 5500FT AMSL D	Madurai APP	Madurai Approach English H24	118.45 MHZ 122.8 MHZ	1. Aircraft below 2000 FT AMSL between 13 NM and 25 NM from ARP of Madurai Aerodrome may contact Madurai APP for traffic information.
Mangalore Control Area- A Circular area of radius 25 NM centered at 125743N 0745323E, excluding the airspace contained within Mangalore CTR. * FL 145 / 1400 FT AMSL. Airspace classified as Class 'D'. FL 145 / 1400FT AMSL D	Mangalore APP	Mangalore Approach/ Mangalore Radar English HO	118.75 MHZ 122.1 MHZ 123.85 MHZ 125.05 MHZ	1. Aircraft below 1400 FT AMSL between 12 NM and 25 NM from ARP of Mangalore airport may contact Mangalore APP for traffic information.
Mangalore Control Area- B Circular area contained between 25 NM and 50 NM radius centered at 125743N 0745323E. • FL 145 / 5500 FT AMSL. Airspace classified as Class 'D'. FL 145 / 5500FT AMSL D	Mangalore APP	Mangalore Approach/ Mangalore Radar English HO	118.75 MHZ 122.1 MHZ 123.85 MHZ 125.05 MHZ	1. Aircraft below 1400 FT AMSL between 12 NM and 25 NM from ARP of Mangalore airport may contact Mangalore APP for traffic information.

Name, Lateral Limits Vertical Limits Class of airspace	Unit providing service	Call sign Languages Area and condition of use Hours of service	Frequency/Purpose	Remarks
Mangalore Control Area- C Area bounded by lines joining points 110000N 0720000E; 110000N 0730600E; 101500N 0740700E; 103700N 0742000E; 122229N 0751514E; 124530N 0762715E; 125030N 0762500E; 132900N 0760500E then along the clockwise arc of a circle of 90NM radius centred on 130800N 0773700E to 142500N 0764700E; 144000N 0763600E; 155700N 0773100E; 164000N 0760000E; 162200N 0733400E; 161700N 0730000E; 150000N 0733500E; 150000N 0720000E to point of origin. FL 255 / FL 145 D	Mangalore ACC	Mangalore Control Mangalore Radar (RSR) English H24	127.55 MHZ 128.7 MHZ	
Mumbai ACC U5N- Area bounded by 233000N 0643000E: then eastwards along 233000N parallel till 233000N 0661133E; 213025N 0661635E; 224404N 0633408E; 233000N 0643000E. • FL460 / FL260 • Airspace classified as Class E. FL 460 / FL 260 E	VABB ACC	Mumbai Control/Radar English H24	127.15 MHZ 135.75 MHZ	

Name, Lateral Limits Vertical Limits Class of airspace	Unit providing service	Call sign Languages Area and condition of use Hours of service	Frequency/Purpose	Remarks
Mumbai ACC U5V- Area bounded by 233000N 0661133E; - then eastwards along 233000N parallel till 233000N 0682300E; then northwards along coastline to 234000N 0681000E; then along common boundary of India and Pakistan to 235802N 0684000E; 232206N 0705045E; 225148N 0711200E; 225002N 0710459E; 224830N 0705000E; 224815N 0703900E; 222951N 0703603E; then along counterclockwise arc of 15NM centred at 221834N 0704646E to 220404N 0704226E; 204803N 0712758E; 204603N 0710859E; 205703N 0701559E; 210552N 0694635E; 211236N 0685128E; 202207N 0685128E; 204127N 0680000E; 213025N 0661635E; 233000N 0661133E. • FL460 / FL260 • Airspace classified as Class D. FL 460 / FL 260 D	VABB ACC	Mumbai Control/Radar English H24	127.15 MHZ 135.75 MHZ	1. Excluding SUA structures when with Defence Agencies.

Name, Lateral Limits Vertical Limits Class of airspace	Unit providing service	Call sign Languages Area and condition of use Hours of service	Frequency/Purpose	Remarks
Mumbai Control Area- Area bounded by lines joining points 211131N 0720523E; 212012N 0721235E; then along the counter clockwise arc of a circle of 25NM radius centered at 214516N 0721126E to 213020N 0723307E; 212126N 0731451E; 213134N 0731852E; 212103N 0740857E; 201203N 0733657E; 194503N 0733957E; 201803N 0751457E; 210000N 0760000E; 191900N 0760000E; 191400N 0760000E; 192103N 0745957E; 191603N 0741857E; 190047N 0733852E; then along the counter clockwise arc of a circle of 30NM radius centered at 183448N 0735451 to 183435N 0732316E; 171604N 0741457E; 163416N 0751437E; 162600N 0741100E; 162200N 0733400E; 161700N 0730000E; 175804N 0692559E; 175050N 0685128E; 211236N 0685128E; 210552N 0694635E; 205703N 0701559E; 204603N 0710859E; 204803N 0712758E to 211131N 0720523E. • FL460/1100 ft AMSL up to 25NM centered at 190530N 0725158E, excluding the airspace contained within Mumbai CTR, • FL460/FL065 between 25NM to 60NM centered at 190530N 0725158E, • FL460/FL095 between 60NM to 100NM centered at 190530N 0725158E, • FL460/FL145 between 100NM to 150NM centered at 190530N 0725158E and the area bound by 201659N 0751152E; 201803N 0751457E; 210000N 0760000E; 191900N 0760000E; 191400N 0760000E; 191732N 0752956E; then along counter-clockwise arc of 150NM centered at 190530N 0725158E to 201659N 0751152E. • FL460/FL195 beyond 150NM centered at 190530N 0725158E. Airspace is classified as Class D excluding the airspace classified as Class C given below: Airspace bound by a circle of 25 NM radius centered at 190530N 0725158E, excluding the airspace contained within Mumbai CTR: • FL145/4000 FT AMSL. Airspace between circles of 25 NM and 40 NM radii centered at 190530N 0725158E: • FL145/FL065. FL 460 / 1100FT AMSL D	Mumbai ACC	Mumbai Control / Mumbai Radar English H24	120.5 MHZ 125.35 MHZ 132.7 MHZ 133.3 MHZ 133.85 MHZ	Aircraft below 1100 ft AMSL between 12 NM and 25 NM from ARP of Mumbai Airport may contact Mumbai APP for traffic information.
	Mumbai APP	Mumbai Approach/ Mumbai Radar English H24	119.3 MHZ 120.35 MHZ 124.85 MHZ 127.9 MHZ	

Name, Lateral Limits Vertical Limits Class of airspace	Unit providing service	Call sign Languages Area and condition of use Hours of service	Frequency/Purpose	Remarks
Mysuru Control Area- Area bounded by 115300N 0765300E; then along the clockwise arc of radius of 25 NM centered at 121357N 0763923E to 123740N 0763115E, then to point of origin, excluding the airspace contained within Mysuru CTR. • FL100/3100 FT AMSL. Airspace classified as Class 'D'. FL 100 / 3100FT AMSL D	Mysuru Approach	Mysuru Approach English HO	118.25 MHZ	1. Aircraft below 3100 FT AMSL between 10 NM and 25 NM from ARP of Mysuru Aerodrome may contact Mysuru APP for traffic information.
Nagpur Control Area - Sector A Nagpur Control Area - A Area bounded by coordinates 224000N 0764956E; 224000N 0783240E; 222850N 0802116E; 213009N 0803537E; 203108N 0810523E; 190253N 0802330E; 194303N 0770956E; 193603N 0764956E; to 224000N 0764956E; • FL 460 / 2100 ft AMSL up to 25 NM centred at 210530N 0790254E excluding the airspace contained within Nagpur CTR • FL 460 / FL55 between 25 to 50NM centred at 210530N 0790254E • FL 460 / FL95 beyond 50NM centred at 210530N 0790254E • Airspace classified as Class D. FL 460 / FL 95 D	Nagpur APP	Nagpur Approach/ Nagpur Radar English H24	120.4 MHZ 121.9 MHZ	1. Aircraft below 2100 ft. AMSL between 15 NM and 25 NM from Nagpur ARP may contact Nagpur APP for traffic information. 2. Dynamic Sectorisation of ACC may be resorted on operational requirement as follows: i. Sector North: Above line joining COORD 211433N 0760000E, 214539N 0790319E, 221324N 0802503E FREQ VHF 123.9. ii. Sector South: Below line joining COORD 211433N 0760000E,21453 9N 0790319E,22132 4N 0802503E FREQ: VHF 133.65.
	Nagpur ACC	Nagpur Control Nagpur Radar (RSR) English H24	123.9 MHZ 132.3 MHZ 133.65 MHZ	

Name, Lateral Limits Vertical Limits Class of airspace	Unit providing service	Call sign Languages Area and condition of use Hours of service	Frequency/Purpose	Remarks
Nagpur Control Area - Sector B Area bounded by lines joining points 250000N 0760000E; 250001N 0790455E; 231049N 0800334E; 222850N 0802116E; 224000N 0783240E; 224000N 0764956E; 193603N 0764956E; 191900N 0760000E to point of origin. FL 460 / FL 145 D	Nagpur ACC	Nagpur Control Nagpur Radar (RSR) English H24	123.9 MHZ 132.3 MHZ 133.65 MHZ	1. Dynamic Sectorisation of ACC may be resorted on operational requirement as follows: i. Sector North: Above line joining COORD 211433N 0760000E, 214539N 0790319E, 221324N 0802503E FREQ VHF 123.9. ii. Sector South: Below line joining COORD 211433N 0760000E, 21453 9N 0790319E, 22132 4N 0802503E FREQ: VHF 133.65.
Nagpur Control Area - Sector C Area bounded by lines joining points 191900N 0760000E; 193603N 0764956E; 194303N 0770956E; 190253N 0802330E; 182442N 0800523E; 185838N 0775949E; 185931N 0772802E; 191400N 0760000E to point of origin. FL 460 / FL 255 D	Nagpur ACC	Nagpur Control Nagpur Radar (RSR) English H24	123.9 MHZ 132.3 MHZ 133.65 MHZ	1. Dynamic Sectorisation of ACC may be resorted on operational requirement as follows: i. Sector North: Above line joining COORD 211433N 0760000E, 214539N 0790319E, 221324N 0802503E FREQ VHF 123.9. ii. Sector South: Below line joining COORD 211433N 0760000E, 21453 9N 0790319E, 22132 4N 0802503E FREQ: VHF 133.65.
Nagpur Control Area - Sector D Area bounded by lines joining points 203108N 0810523E; 190253N 0802330E; 184300N 0820000E to point of origin. FL 255 / FL 95 D	Nagpur ACC	Nagpur Control Nagpur Radar (RSR) English H24	123.9 MHZ 132.3 MHZ 133.65 MHZ	

Name, Lateral Limits Vertical Limits Class of airspace	Unit providing service	Call sign Languages Area and condition of use Hours of service	Frequency/Purpose	Remarks
Patna Control Area- Sector 1 Circular area centered on 253537N 0850531E within a 30NM radius. FL 065 / 1000FT AMSL D	Patna Approach	Patna Approach English H24	121.1 MHZ 127.775 MHZ	Aircraft below 1000 ft AMSL between 15 NM and 30 NM from ARP of Patna Aerodrome may contact Patna APP for traffic information.
Patna Control Area- Sector 2 Area bounded by lines joining points 262250N 0844150E then along the clockwise arc of a circle of 50NM radius centred on 253537N 0850531E to 262511N 0851234E; 244648N 0851828E then along the clockwise arc of a circle of 50NM radius centred on 253537N 0850531E to 254809N 0841156E; 255749N 0844257E to point of origin. FL 105 / FL 65 D	Patna Approach	Patna Approach English H24	121.1 MHZ 127.775 MHZ	
Patna Control Area- Sector 3 Area bounded by lines joining points 262511N 0851234E then along the clockwise arc of a circle of 50NM radius centred on 253537N 0850531E to 244648N 0851828E to point of origin. FL 215 / FL 65 D	Patna Approach	Patna Approach English H24	121.1 MHZ 127.775 MHZ	
Rajahmundry Control Area- Area bounded by 164409N 0813724E; 163749N 0812409E; 165549N 0811512E; 170001N 0812359E then along the clockwise arc of a circle of 25 NM radius centered on 170634N 0814910E to point of origin, excluding the airspace contained within Rajahmundry CTR. • FL145 / 1200 FT AMSL. Airspace classified as Class ‘D’. FL 145 / 1200FT AMSL D	Rajahmundry Approach	Rajahmundry Approach English HO	122.3 MHZ 124.325 MHZ	1. Aircraft below 1200 FT AMSL between 10 NM and 25 NM from ARP of Rajahmundry Airport may contact Rajahmundry APP for traffic information.

Name, Lateral Limits Vertical Limits Class of airspace	Unit providing service	Call sign Languages Area and condition of use Hours of service	Frequency/Purpose	Remarks
Rajkot Control Area- Area bounded by lines joining points 214847N 0705135E; 220404N 0704226E then along the clockwise arc of a circle of 15NM radius centred on 221834N 0704646E to 222951N 0703603E; 224815N 0703900E; 224830N 0704952E; 224821N 0710127E then along the clockwise arc of a circle of 25NM radius centred on 222318N 0710246E to 220154N 0711650E to point of origin. FL 145 / FL 65 D	Rajkot APP	Rajkot Approach English HO	120.025 MHZ 120.275 MHZ	

2.1.3 Terminal Control Area

Name, Lateral Limits Vertical Limits Class of airspace	Unit providing service	Call sign Languages Area and condition of use Hours of service	Frequency/Purpose	Remarks
Bengaluru Control Area (Sector A) Area bounded by – 130100N 0771410E then along clockwise arc of 30NM centered at 131224N 0774356E to 130000N 0781015E to 130000N 0780000E to 130100N 0773706E to point of origin (except the restricted airspace of VOR 185A, VOR 185B and VOR 185C) FL 145 / FL 95 Airspace classified as ‘D’ Airspace Bound By a circle of 30 NM radius centered at Bengaluru ARP from 7000 Ft AMSL to FL145 excluding The Restricted Areas under jurisdiction Of Yelahanka and HAL is classified as class C.	Bengaluru APP	Bengaluru Approach English H24	121.25 MHZ 125.275 MHZ 127.75 MHZ	
Bengaluru Control Area (Sector B1) Area bounded by lines joining points 155700N 0773100E; 155800N 0784500E; 142300N 0785400E; 140100N 0791600E then along the counter clockwise arc of a circle of 80NM radius centred on 125936N 0801015E to 130000N 0784800E; 130000N 0780000E; 130100N 0771410E then along the clockwise arc of a circle of 30NM radius centred on 131224N 0774356E to 133330N 0772045E; 144000N 0763600E to point of origin. FL 255 / FL 145 D	Bengaluru ACC	Bengaluru Control Bengaluru Radar English H24	119.45 MHZ 125.75 MHZ 126.325 MHZ	
Bengaluru Control Area (Sector B2) Area bounded by lines joining points 124530N 0762715E; 124500N 0770900E; 125030N 0770830E; 130100N 0772550E; 130100N 0771410E then along the clockwise arc of a circle of 30NM radius centred on 131224N 0774356E to 133330N 0772045E; 142500N 0764700E then along the counter clockwise arc of a circle of 90NM radius centred on 130800N 0773700E to 132900N 0760500E; 125030N 0762500E to point of origin. FL 255 / FL 210 D	Bengaluru ACC	Bengaluru Control Bengaluru Radar English H24	119.45 MHZ 125.75 MHZ 126.325 MHZ	

Name, Lateral Limits Vertical Limits Class of airspace	Unit providing service	Call sign Languages Area and condition of use Hours of service	Frequency/Purpose	Remarks
Bengaluru Control Area- Class C Airspace bound by a circle of 50 NM centered at Bengaluru ARP from FL145 to FL255 excluding the Restricted Areas under jurisdiction of Chennai, Yelahanka and HAL is classified as Class C. C	Bengaluru ACC	Bengaluru Control Bengaluru Radar English H24	119.45 MHZ 125.75 MHZ 126.325 MHZ	
Bhubaneswar Terminal Control Area Area bounded by lines joining points 211403N 0845952E; 204203N 0853352E; 202703N 0861752E; 204203N 0865951E; 200003N 0865951E; 185304N 0853052E; 195303N 0842552E to point of origin. D	Bhubaneswar APP	Bhubaneswar Approach English HJ	125.15 MHZ 125.525 MHZ	FL250 / FL050 within 30 NM FL250 / FL75 beyond 30 NM

2.1.4 Military Control Zones

Military Control Zones (MCTR): Designated Military airfields permit operation of civil flights as Joint User Aerodromes. Control Zones established at Military Aerodromes are designated as Military Control Zones [MCTR].

2.1.4.1 Control Zones [MCTR] are established at Military aerodromes with the objective of containing and protecting the flight profiles of all IFR flights.

2.1.4.2 Air Traffic Services (ATS) in MCTRs are provided by the associated Military ATS Unit (ATSU).

2.1.4.3 Whenever, the restricted military airspace encompassing the military control zone is handed over by the military ATS unit having jurisdiction over the airspace to a designated civil ATS unit, then the designated civil ATS unit shall be responsible for provision of ATCs/ATS in the airspace.

2.1.4.4 Airspace in MCTRs are classified as applicable to ICAO Class D airspace. All civil aircraft operations in MCTRs are subject to ATC clearances and shall be provided with applicable ICAO separation standards as per Class D airspace within MCTR.

2.1.4.5 Provision of ATS at Joint User Aerodromes (JUAs) for civil scheduled operations & Non-scheduled flights will be during specific ATC hours of operations as given at Para 2.1.5. Operations of scheduled and non-scheduled flights from exclusive military aerodromes are subject to prior approval as per existing rules and regulations issued by Ministry of Defence (MoD) from time to time.

2.1.4.6 Subsequent to obtaining prior approval for commencement of civil aircraft operations, entry into Military restricted airspaces and MCTR by civil aircraft shall be subject to positive ATCC (Air Traffic Control Clearance) from the associated military ATSU or the designated civil ATSU when the airspace has been handed over to civil ATS unit.

2.1.4.7 The lateral limits of a Military control zone shall extend to at least 9.3 KM (5 NM) from the centre of the aerodrome or aerodromes concerned in the directions from which approaches may be made.

Name, Lateral Limits Vertical Limits Class of airspace	Unit providing service	Call sign Languages Area and condition of use Hours of service	Frequency/Purpose	Remarks
Sarsawa Area bounded by lines joining points 294100N 0773000E; 294500N 0771100E then along the clockwise arc of a circle of 20NM radius centred on 300000N 0772600E to 300148N 0770304E then along the counter clockwise arc of a circle of 25NM radius centred on 302200N 0764600E to 300600N 0770812E; 301900N 0773200E then along the clockwise arc of a circle of 20NM radius centred on 300000N 0772600E to point of origin. FL 200 / GND	Sarsawa TWR	Sarsawa Tower English HJ	127.8 MHZ	1. Controlling Unit (up to FL70): IAF Sarsawa TEL: +91-132-2646720 FAX: +91-132-2646727 Mobile: +91-9719473619 Email: icarus.30@gov.in 2. Above FL 70 the Controlling Unit is IAF Chandigarh
Jamnagar Area bounded by lines joining points 224702N 0694059E; 224702N 0701159E; 221602N 0702859E then along the clockwise arc of a circle of 27.5NM radius centred on 222937N 0700329E to point of origin. FL 325 / GND D	Jamnagar TWR	Jamnagar Tower English HJ	127.5 MHZ	1. Controlling Unit: IAF Jamnagar TEL: +91-288-2569500, Extn 6281/6282 FAX: 91-2882711552 Email: ats.vajm@gov.in
Jodhpur Circular area centered on 261501N 0730158E within a 25NM radius. FL 100 / GND D	Jodhpur TWR	Jodhpur Tower English HJ	122.4 MHZ	1. Controlling Unit: IAF Jodhpur TEL: +91-291-2512250 FAX: +91-291-2512250 Email: jjjoats@nic.in

Name, Lateral Limits Vertical Limits Class of airspace	Unit providing service	Call sign Languages Area and condition of use Hours of service	Frequency/Purpose	Remarks
Jorhat Area bounded by lines joining points 265502N 0932448E; 271802N 0935747E; 272902N 0941947E; 264702N 0945947E; 261602N 0943747E; 260902N 0940947E; 262202N 0932448E to point of origin. FL 120 / GND D	Jorhat APP	Jorhat Approach English HJ	121.3 MHZ	1. Controlling Unit: IAF Jorhat TEL/FAX: +91- 376-2333013 Email: ats.1968@gov.in
	Jorhat Tower	Jorhat Tower English HJ	123.5 MHZ	
Kanpur/Chakeri Circular area centered on 262501N 0802354E within a 10NM radius. FL 050 / GND D	Kanpur TWR	Kanpur Tower English HJ	123.5 MHZ	1. Controlling Unit: IAF Kanpur TEL: +91-512- 2458347 FAX: +91-512- 2458347 Email: traffic.knp@gov.i n
Ozar Area bounded by lines joining points 201903N 0734457E; 205703N 0740257E then along the clockwise arc of a circle of 50NM radius centred on 200703N 0735457E to 201503N 0744757E; 195303N 0735057E then along the clockwise arc of a circle of 15NM radius centred on 200703N 0735457E to point of origin. FL 200 D	Ozar APP	Ozar Approach English OTHER	120.6 MHZ	1. Controlling Unit: HAL Ozar TEL/FAX: +91- 2550 275816 Email: ramjith.ts@hal- india.com 2. Hours of Operations: 0230 UTC to 1630 UTC
	Ozar TWR	Ozar Tower English OTHER	123.5 MHZ	
Panagarh Area bounded by lines joining points 232802N 0874731E then along the clockwise arc of a circle of 20NM radius centred on 232824N 0872547E to 234706N 0873340E; 234705N 0875000E; 232800N 0875000E; 232802N 0874731E to point of origin. FL 065 / GND D	Panagarh TWR	Panagarh Tower English HJ	124 MHZ	1. Controlling Unit: Indian Air Force, Panagarh. 2. TEL/FAX: +91-343-2525556 Email: python.123@gov. in
	Panagarh APP	Panagarh Approach English HJ	118.8 MHZ	
Pathankot Area bounded by lines joining points 322159N 0751656E then along the clockwise arc of a circle of 20NM radius centred on 321406N 0753826E to 320659N 0751556E to point of origin. FL 240 / GND	Pathankot TWR	Pathankot Tower English HJ	130.1 MHZ	1. Controlling Unit: IAF Pathankot TEL: +91-186- 2340916 FAX: +91-186- 2340916 Email: niyantran.18@go v.in

Name, Lateral Limits Vertical Limits Class of airspace	Unit providing service	Call sign Languages Area and condition of use Hours of service	Frequency/Purpose	Remarks
Phalodi Area bounded by lines joining points 265726N 071525E then along the clockwise arc of a circle of 20NM radius centred on 270618N 072125E to 271323N 072335E; 270801N 0722158E; 270001N 0715958E to point of origin. FL 055 / GND D	Phalodi Approach	Phalodi Approach English HJ	119.6 MHZ	Controlling Unit: IAF Phalodi TELE: +91-2925-248808 FAX: +91-2925-248808 Email: track.gk@gov.in
	Phalodi Tower	Phalodi Tower English HJ	130.5 MHZ	
Port Blair Circular area centered on 113858N 0924445E within a 80NM radius. FL 155 / GND D	Port Blair APP	Port Blair Approach English HJ	123.5 MHZ	1. Controlling Unit: INS Utkrosh TEL: +91-3192-248887 FAX: +91-3192-232385 2. Email: atc-portblair@navy.gov.in atcportblair@rediffmail.com
Prayagraj Circular area centered on 252601N 0814353E within a 25NM radius. FL 050 / GND D	Prayagraj TWR	Prayagraj Tower English HJ	125.3 MHZ	1. Controlling Unit: IAF Prayagraj TEL: +91-532-2581072 FAX: +91-532-2580121 Email: panther.29@gov.in
Pune Area bounded by lines joining points 185507N 0735457E; 185507N 0744315E then along the clockwise arc of a circle of 50NM radius centred on 183503N 0735457E to 174546N 0740452E; 182349N 0733731E then along the clockwise arc of a circle of 20NM radius centred on 183503N 0735457E to point of origin. FL 080 / GND D	Pune TWR	Pune Tower English H24	123.5 MHZ	1. Controlling Unit: IAF Pune TEL: +91-20-26684434 FAX: +91-20-26680846 Email: niyantran-2@gov.in

Name, Lateral Limits Vertical Limits Class of airspace	Unit providing service	Call sign Languages Area and condition of use Hours of service	Frequency/Purpose	Remarks
Adampur Area bounded by lines joining points 315100N 0754830E then along the clockwise arc of a circle of 25NM radius centred on 312602N 0754527E to 310700N 0760400E; 311707N 0753202E; 314359N 0753956E to point of origin. FL 145 / GND D	Adampur TWR	Adampur Tower English HO	127.8 MHZ	1. Controlling Unit: IAF Adampur TEL: +91-181-2752562 FAX: +91-181-2752562 Email: audax-75@nic.in
Agra Area bounded by lines joining points 271222N 0771852E then along the clockwise arc of a circle of 35NM radius centred on 270901N 0775755E to 274501N 0775255E; 273301N 0782655E; 272801N 0782955E; 273501N 0780855E; 264201N 0781355E; 263801N 0775355E; 271301N 0772955E to point of origin. FL 150 D	Agra Tower	Agra Tower English H24	125 MHZ	1. Controlling Unit: IAF AGRA TEL: +91-562-2400067 FAX: +91-562-2400067 Email: udan.4vayu@gov.in
Bagdogra Area bounded by 262303N 0873449E; then eastward along the border of Nepal and India to a point on common border of Nepal, China and India, then along the border of India and China to a point on common border of Bhutan, China and India, then along the border of India and Bhutan to 265901.3N 0885549.8E; 262601.5N 0885549.8E then along India and Bangladesh border to 255512N 0880545E; 260605N 0875630E; 262303N 0873449E; FL 250 / GND D	Bagdogra TWR	Bagdogra Tower English OTHER	122.3 MHZ	1. Controlling Unit : Indian Air Force Bagdogra 2. TEL/FAX: +91-353-2698068 3. Mobile: +91-7407666672 4. Email: ats.vebd@aai.aero 5. Hours of Operations: Sunrise to 1630 UTC
	Bagdogra APP	Bagdogra Approach English OTHER	131.2 MHZ	
Bareilly Area bounded by lines joining points 280039N 0793402E; 281932N 0785947E then along the clockwise arc of a circle of 25NM radius centred on 282502N 0792725E to 284000N 0794954E; 280948N 0794954E then along the clockwise arc of a circle of 25NM radius centred on 282502N 0792725E to point of origin. FL 145 / GND D	Bareilly TWR	Bareilly Tower English HJ	125.525 MHZ	1. Controlling Unit: IAF Bareilly TEL: +91-581-2315796 FAX: +91-581-2315796 Email: trishul.control@gov.in
	Bareilly APP	Bareilly Approach English HJ	122.9 MHZ	

Name, Lateral Limits Vertical Limits Class of airspace	Unit providing service	Call sign Languages Area and condition of use Hours of service	Frequency/Purpose	Remarks
Barrackpore Circular area centered on 224703N 0882150E within a 4NM radius. 3000 FT AMSL/ GND D	Barrackpore TWR	Barrackpore Tower English HO	122.7 MHZ	1. ATZ 2.. Controlling Unit: IAF Barrackpore TEL: +91-33- 25921501 FAX: +91-33- 25932821 Email: vebrsatco@nic.in
Bhatinda CTR Circular area centered on 301612N 0744524E within a 20NM radius. FL 100 / GND D	Bhatinda TWR	Bhatinda Tower English HJ	128.6 MHZ	1. Controlling Unit: IAF Bhatinda TEL: +91-164- 2449158 FAX: +91-164- 2449158 Mobile: +91- 7589515718 Email: homing.67@gov.i n
Bhuj Area bounded by lines joining points 232002N 0691300E then along the clockwise arc of a circle of 25NM radius centred on 231702N 0693959E to 231402N 0700659E; 230532N 0695629E; 224702N 0701159E; 224702N 0691300E to point of origin. FL 325 / GND D	Bhuj TWR	Bhuj Tower English HJ	120.6 MHZ	1. Controlling authority ATC Bhuj 2. Controlling Unit: IAF Bhuj TEL: +91- 2832-244019 FAX: +91- 2832-244019 Email: udaan@nic.in
Bidar Area bounded by lines joining points 174304N 0775356E then along the clockwise arc of a circle of 25NM radius centred on 175504N 0772956E to 175544N 0775535E then along the counter clockwise arc of a circle of 50NM radius centred on 171340N 0782421E to 175004N 0774756E to point of origin. FL 095 / GND D	Bidar APP	BIDAR APPROACH English OTHER	122.85 MHZ	1. Controlling Unit: IAF Bidar TEL: +91- 8482-237505 FAX: +91- 8482-237505 Email: golden.fish2@go v.in
	Bidar TWR	Bidar Tower English OTHER	121.45 MHZ	

Name, Lateral Limits Vertical Limits Class of airspace	Unit providing service	Call sign Languages Area and condition of use Hours of service	Frequency/Purpose	Remarks
Campbell Bay Circular area centered on 070100N 0935400E within a 30NM radius. FL 150 / GND D	Campbell Bay TWR	Campbell Tower English HO	120.925 MHZ	1. Controlling Unit: Indian Navy INS Baaz TEL/FAX: +91- 3193-264108/ 264150 Email: baaz.and@gov.in atc.baaz@gmail.c om
Carnicobar Circular area centered on 090914N 0924913E within a 20NM radius. FL 100 / GND D	Carnicobar APP	Carnicobar Approach English	122.5 MHZ	1. Controlling Unit: IAF Car Nicobar TEL/FAX: +91- 3193-267722 Email: seal.377@gov.in 2. Hours of Operations: 0030 (UTC) to sunset except Second Sat, Sun and holidays
	Carnicobar TWR	Carnicobar Tower English	121.8 MHZ	
Chabua ATZ –Area bounded by 273231.7N 0950846.9E then along the clockwise arc of circle of radius 05 NM centred at 272744N 0950702E to 272231.7N 0950731.9E then direct to 272401.7N 0950446.9E then along a clockwise arc of circle of radius 04 NM centred at 272744N 0950702E to 272701.7N 0950231.9E to 273236.8N 0950488.3E; 273231.7N 0950846.9E 1000 FT AMSL/ GND D	Chabua APP	Chabua Approach English HJ	121.6 MHZ	1. ATZ 2. Controlling Unit: IAF Chabua TEL/FAX: +91- 373- 2864829 Email: ats.chabua@gov.i n
	Chabua TWR	Chabua Tower English HJ	118.8 MHZ	
Chandigarh Area bounded by lines joining points 304259N 0762356E then along the clockwise arc of a circle of 20NM radius centred on 303959N 0764656E to 302900N 0770555E to point of origin. FL 200 / GND D	Chandigarh APP	Chandigarh Approach English H24	122.65 MHZ	1. Controlling Unit: IAF Chandigarh TEL: +91-172- 2658728 FAX: 0172- 2651434 Email: control12@nic.in
	Chandigarh TWR	Chandigarh Tower English H24	118.3 MHZ	

Name, Lateral Limits Vertical Limits Class of airspace	Unit providing service	Call sign Languages Area and condition of use Hours of service	Frequency/Purpose	Remarks
Cochin (Navy) Circular area centered on 095638N 0761623E within a 5NM radius. 2000 FT AMSL/ GND D	Cochin TWR	Garuda Tower English HO	123.5 MHZ	1. ATZ 2. Communication Frequency: Garuda Tower: 123.5 MHZ 3. Controlling Unit: Indian Navy INS Garuda TEL: +91-484- 2873189/2872711 FAX: +91-484- 26666425 Email: fploic- garuda@navy.gov .in 4. VFR flying zone.
Darbhangha Circular area centered on 261139N 0855455E within a 15NM radius. FL 065 / GND D	Darbhangha TWR	Darbhangha Tower English OTHER	122.125 MHZ	1. Controlling Unit: IAF Darbhanga TEL: +91-627- 2225022 Email: gateway.63@gov. in 2. Hours of Operations: 0330 UTC to 1130 UTC 3. Airspace Classification is Class G beyond Operational Hours.
Gorakhpur Circular area centered on 264430N 0832702E within a 25NM radius. FL 150 / GND D	Gorakhpur TWR	Gorakhpur Tower English HJ	128.2 MHZ	1. Controlling Unit: IAF Gorakhpur TEL: +91-551- 2745035 FAX: +91-551- 2745035 Email: ats.17@nic.in
Gwalior Circular area centered on 261701N 0781355E within a 15NM radius. FL 160 / GND D	Gwalior Approach	Gwalior Approach/Radar English HJ	132.4 MHZ	1. Controlling Unit: IAF Gwalior TEL: +91-751- 2470771 FAX: +91-751- 2470771 Email: eagle.eyel89@go v.in
	Gwalior Tower	Gwalior Tower English HJ	122.7 MHZ	

Name, Lateral Limits Vertical Limits Class of airspace	Unit providing service	Call sign Languages Area and condition of use Hours of service	Frequency/Purpose	Remarks
Hashimara Area bounded by 265901.3N 0885549.8E; then long the Indo-Bhutan border to 264301.5N 0895249.5E; 261501.6N, 0894749.5E; 260901.6N 0894449.5E; then along IndoBangladesh border to 262601.5N 0885549.8E and 265901.3N 0885549.8E FL 075 / GND D	Hashimara Tower	Hashimara Tower English HJ	130.4 MHZ	1. Communication Frequency: Hashimara Tower: 130.400 MHz 2. Controlling Unit: IAF Hashimara TEL/FAX: +91-3566- 255126 Email: hatsoff.200@gov.in
Jaisalmer Area bounded by lines joining points 270800N 0711400E; 265800N 0710300E then along the clockwise arc of a circle of 10NM radius centred on 265300N 0705200E to 265400N 0710400E; 265400N 0712100E then along the clockwise arc of a circle of 25NM radius centred on 265300N 0705200E to point of origin. FL 100 / GND D	Jaisalmer Approach	Jaisalmer Approach English HJ	119.7 MHZ	1. Controlling Unit: IAF Jaisalmer TEL: +91-299-2251928 FAX: +91-299-2251928 Email: ats.jslmr@gov.in 2. Hours of Operations HJ (except Sun)
	Jaisalmer Tower	Jaisalmer Tower English HJ	118.3 MHZ	
Jammu CTR - Area bounded by 324658.6N 0743956.5E along an arc of radius 10 NM centred at 324158.6N 0744956.5E to point where it meets international boundary. FL 120 / GND D	Jammu TWR	Jammu Tower English OTHER	122.85 MHZ	1. Controlling Unit: IAF Jammu TEL : +91-191-2453700 FAX : +91-191-2453700 Email: ats.viju@gov.in 2. Hours of Operations: Sunrise - 1530 UTC 1 st /3rd /5th Wednesday of the month: 0830-1530 UTC
Shibpur CTR - Area bounded by circle of radius 30 NM centred at 131400N 0930300E excluding Port Blair CTR FL 150 / GND D	Shibpur TWR	Shibpur Tower English HO	119.7 MHZ	1. Controlling Unit: Indian Navy INS Kohassa TEL: +91-3192-272552 FAX: +91-3192-271997 Email: kohassaguardiannorth@gmail.com

Name, Lateral Limits Vertical Limits Class of airspace	Unit providing service	Call sign Languages Area and condition of use Hours of service	Frequency/Purpose	Remarks
Silchar (Khumbigram) Circular area centered on 245448N 0925839E within a 25NM radius. FL 200 / GND D	Silchar Tower	Silchar Tower English OTHER	122.7 MHZ	1. Controlling Unit: IAF Silchar TEL/Fax: +91- 3841-282125 Email: kutower- 76@gov.in 2. Hours of Operations: 0030 UTC to 1430 UTC
	Silchar Approach	Silchar Approach English OTHER	123.5 MHZ	
Sirsa Circular area centered on 293336N 0750025E within a 20NM radius. FL 070 / GND D	Sirsa Tower	Sirsa Tower English HJ	130.1 MHZ	1. Controlling Unit: IAF Sirsa TEL: +91-1666- 240988 FAX: +91-1666- 240988 Email: shiningcontrol@n ic.in
Srinagar Area bounded by 342000.00N 0740500.00E, 342000.00N 0741300.00E, 343000.00N 0742000.00E, 341900.00N 0752900.00E, 333800.00N 0752700.00E, then along clockwise arc of radius 40 NM centred at 335917.50N 0744630.90E to 334649.00N 0740052.00E, then along the Line of Control (LOC), to 340045.00N 0735826.00E, then along clockwise arc of radius 40 NM centred at 335917.50N 0744630.90E to 342000.0N 0740500.0E FL 170 / GND D	Srinagar TWR	Srinagar Tower English	128.6 MHZ	1. Controlling Unit: IAF Srinagar TEL: +91-194- 2305032 FAX: +91-194- 2305032 Email: ssbedi@gov.in 2. Hours of Operations: Sunrise to 1630 UTC
Tezpur Area bounded by lines joining points 264502N 0920748E then along the clockwise arc of a circle of 35NM radius centred on 264302N 0924648E to 265502N 0932448E; 262202N 0932448E; 260702N 0922348E to point of origin. FL 120 / GND D	Tezpur TWR	Tezpur Tower English H24	118.1 MHZ	1. Controlling Unit: IAF Tezpur TEL/FAX: +91- 3712- 258005 Email: eagle.eyel1@gov. in
	Tezpur APP	Tezpur Approach English H24	122.65 MHZ	

Name, Lateral Limits Vertical Limits Class of airspace	Unit providing service	Call sign Languages Area and condition of use Hours of service	Frequency/Purpose	Remarks
Thanjavur Circular area centered on 104312N 0790610E within a 3NM radius. 2000 FT AMSL/ GND D	Thanjavur TWR	Thanjavur Tower English HJ	131 MHZ	1. ATZ 2. Controlling Unit: IAF Thanjavur TEL: +91-4362- 228050 FAX: +91-4632- 228050 Email: tiger.47@gov.in
Uttarlai Circular area centered on 254840N 0712821E within a 25NM radius. FL 080 / GND D	Uttarlai APP	Uttarlai Approach English HJ	123.2 MHZ	1. Controlling Unit: IAF Uttarlai TEL: +91-2982- 242136 FAX: +91-2962- 242136 Email: yatayat.2002@gov.in
Visakhapatnam Circular area centered on 174320N 0831322E within a 25NM radius. 5500 FT AMSL/ GND D	Visakhapatnam TWR	Visakhapatnam Tower English H24	123.5 MHZ	1. Controlling Unit: Indian Navy INS Dega TEL: +91-891- 2814520/2816405 FAX: +91-891- 2856405 Email: atcpl- dega@navy.gov.in