

ENR 2 – AIR TRAFFIC SERVICES AIRSPACE

ENR 2.1 – FLIGHT INFORMATION REGION (FIR), TERMINAL CONTROL AREA (TMA)

- Flight Information Region
 1. Chennai FIR
 2. Delhi FIR
 3. Kolkata FIR
 4. Mumbai FIR
 5. Guwahati FIR

 - Control Area/Terminal Control Area
 1. Ahmedabad
 2. Aurangabad
 3. Bangalore
 4. Bhubaneswar
 5. Chennai
 6. Delhi
 7. Guwahati
 8. Hyderabad
 9. Kolkata
 10. Lucknow
 11. Mangalore
 12. Nagpur
 13. Patna
 14. Varanasi

 - Indian Air Force Control Areas
 1. Hashimara
 2. Udhampur
-

Chennai 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
<p>Area bounded by - 1800N 07600E; 1800N 08100E; 1630N 08300E; 1400N 09200E; 1330N 09425E; 0600N 09425E; 0600N 09200E; 1000N 08200E; 1000N 08000E; 0600N 07800E; 0600N 07400E; 0730N 07400E; 0730N 07200E, 1500N 07200E; 1500N 07600E; 1800N 07600E</p> <ul style="list-style-type: none"> Airspace within ATS route segment is classified as 'F'. Airspace outside ATS route segment and controlled airspace is classified as 'G'. Airspace within controlled airspace is classified as 'D'. <p>UNL / GND or Sea Level</p>	<p>Chennai ACC</p> <p>Chennai Radio (MWARA)</p> <p>Chennai Radio (RDARA)</p>	<p>Chennai Control Chennai Radar (RSR) English H24</p> <p>Chennai Radio English H24</p> <p>Chennai Radio English H24</p>	<p>118.9MHz 125.3MHz 125.7MHz</p> <p>17907KHz 13318KHz 11285KHz 6655KHz 5670KHz 3470KHz</p> <p>8861KHz 6655KHz 6583KHz 2872KHz</p>	<p>Refer remarks below</p>

Remark –

- The responsibility for the provision of air traffic control service at or above FL100 within the airspace bounded by 0600N 07700E; 0700N 07700E; 0900N 07930E; 0600N 07800E is delegated to Colombo.

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Delhi 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
<p>Beginning at 2500N 07035E 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 2715N 08340E; 2710N 08300E; 2500N 08300E; 2500N 07055E.</p> <p>UNL / GND</p> <ul style="list-style-type: none"> • Airspace within ATS route segment is classified as 'F'. • Airspace outside ATS route segment and controlled airspace is classified as 'G'. • Airspace within controlled airspace is classified as 'D'. <p>Following airspace forming part of Delhi FIR, the Flight Information Service will be provided by Udampur ACC: Area bounded by - 3200N 07846E; 3200N 07600E; 3144N 07540E; 3207N 07516E; - then along International boundary to N3200E7846.</p> <p>UNL / GND</p>	Delhi ACC	Delhi Control Delhi Radar English H24	120.9MHz 124.55MHz 124.2MHz	
	Delhi Radio (MWARA)	Delhi Radio English H24	13288KHz 10018KHz 5658KHz 3467KHz	
	Delhi Radio (RDARA)	Delhi Radio English H24	8948KHz 8906KHz 5601KHz 5580KHz 2872KHz	
	Sub-ACC Udampur (Indian Air Force)	Udhampur Control English HJ	122.7MHz	

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Kolkata 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
<p>1) Beginning at the intersection of E08340 meridian with common border of India/Nepal; -then east along the border of Nepal and India to a point on common border of Nepal/India at the intersection of E08800 meridian to 2600N 08800E; -then to the intersection of common Border of India/Bangladesh at latitude 2600N; -then along the common border of India/Bangladesh to 2138N 08910E to 2100N 09200E; -then south along 09200E to 1400N 09200E to 1630N 08300E to 1715N 08200E to 2500N 08200E to 2500N 08300E to 2710N 08300E to 2715N 08340E; -then along 08340E to its intersection with the common border of India/Nepal.</p> <ul style="list-style-type: none"> • Airspace within ATS route segment is classified as 'F'. • Airspace outside ATS route segment and controlled airspace is classified as 'G'. • Airspace within controlled airspace is classified as 'D'. 	Kolkata ACC	Kolkata Control English H24	120.1MHz 120.7MHz 132.45MHz	
	Kolkata Radio	Kolkata Radio (MWARA) English H24	10066KHz 6556KHz 3491KHz 2947KHz	
	Kolkata Radio	Kolkata Radio (RDARA) English H24	8906KHz 8861KHz 6583KHz 5580KHz 2872KHz	
<p>2) Beginning of intersection of 08800E meridian with common border of India/ Nepal; -then east along the border of India/Nepal to the point of common border of Nepal/ China/India; -then along the border of India/China to the point on common 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 the common border of India/Nepal at the intersection of 08800E meridian.</p> <p>UNL / FL265</p>	Kolkata ACC	Kolkata Control English H24	120.1MHz 120.7MHz	

Mumbai 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
<p>Beginning of 1948N 06000E; 2330N 06430E; -then eastwards along 2330N parallel until it meets the Indian coastline at 2330N 06823E; -then northward along the coastline to 2340N 06810E; -then along the common border between India and Pakistan to 2500N 07055E to 2500N 08200E to 1715N 08200E to 1800N 08100E to 1800N 07600E to 1500N 07600E to 1500N 07200E to 0730N 07200E to 0730N 07000E to 0305N 07000E to Equator 06800E to 0600S 06800E to 0600S 06000E to 1948N 06000E</p> <p>UNL / GND or SEA</p> <ul style="list-style-type: none"> • Airspace within ATS route segment is classified as 'F'. • Airspace outside the ATS route segment and controlled airspace is classified as 'G'. • Airspace within controlled airspace is classified as 'D'. 	Mumbai ACC	Mumbai Control English H24	132.6MHz 120.5MHz 125.9MHz	
	Mumbai Radio (MWARA)	Mumbai Radio English H24	13288KHz 11300KHz 10018KHz 8879KHz 5658KHz 5634KHz 5601KHz 3467KHz 2872KHz	
	Mumbai Radio (RDARA)	Mumbai Radio English H24	8948KHz 8909KHz 6655KHz 5601KHz 2872KHz	

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Ahmedabad 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
<p>Area bounded by coordinates 215802.3N 0714958.2E to 232201.8N 0705058.7E; - then along the arc of circle of radius 100NM centered at Ahmedabad VOR (AAE) (230405.4N 0723744.8E) to 243401.4N 0732357.4E; - then along the shorter arc of circle of radius 30NM centered at Udaipur VOR (UUD) (243646.4N 0735338.7E) to 240701.6N 0740257.1E; - then along the arc of circle of radius 100NM centered at Ahmedabad VOR (AAE) (230405.4N 0723744.8E) to 213102.4N 0731857.5E to 214002.4N 0723857.8E; - then along shorter arc of a circle of radius 25NM centered at Bhavnagar VOR (BVR) (214507.3N 0721126.1E) to 215802.3N 0714958.2E.</p> <p>FL150 / FL70</p>	Ahmedabad Approach Control	Ahmedabad Approach Ahmedabad Radar English H24	119.8MHz	
<p>Area bounded by coordinates 215802.3N 0714958.2E to 232201.8N 0705058.7E to 235801.6N 0683959.8E; -then along international border of India/Pakistan to 252301.1N 0704458.7E to 245001.3N 0733157.4E; -then along shorter arc of a circle of radius 30NM centered at Udaipur VOR UUD (243646.4N 0735338.7E) to 250001.3N 0741557.0E to 250001.3N 0755956.3E to 210002.6N 0755956.3E to 214002.4N 0723857.8E; -then along shorter arc of a circle of radius 25NM centered at Bhavnagar VOR BVR (214507.3N 0721126.1E) to 215802.3N 0714958.2E.</p> <p>FL 460 / FL150</p> <p>Airspace classified as class "D"</p>	Ahmedabad Control	Ahmedabad Control Ahmedabad Radar English H24	132.5MHz 119.6MHz	

Aurangabad 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
<p>Area bounded by 204002.7N0753856.4E; -then along arc of 50NM circle with Aurangabad NDB (AU) (195138.0N 0752354.6E) as centre to 191103.2N 0755356.3E; 192503.1N 0753756.5E; 191903.1N 0744456.9E; -then along arc of 50 NM circle to 200302.9N 0743257.0E to 201802.8N 0751456.6E to 204002.7N 0753856.4E.</p> <p>FL150 / FL050</p> <p>Airspace classified as class "D"</p>	<p>Aurangabad Approach Control</p>	<p>Aurangabad Approach English HO</p>		

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Bangalore 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
Airspace bounded by coordinates - 141304.7N 0763456.1E to 133804.9N 0771155.8E; -then along the greater arc of 50NM circle with Bangalore VOR (BBG) (125659.1N 0774051.6E) as centre to 120805.3N 0773655.7E to 115805.3N 0773255.7E to 120405.3N 0771355.9E to 121305.2N 0771755.8E then along the shorter arc of 50NM circle with Bangalore VOR (BBG) (125659.1N 0774051.6E) as center to 132404.9N 0765756.0E to 135904.7N 0762056.2E to 141304.7N 0763456.1E FL 460 / FL 120 Airspace classified as Class 'D'	Bangalore Approach Control	Bangalore Approach English H24	122.7MHz	

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Bhubaneswar 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
<p>Area bounded by 211402.9N 0845952.0E; 204203.1N 0853351.8E; 202703.2N 0861751.5E; 204203.1N 0865951.2E; 200003.3N 0865951.2E; 185303.6N, 0853051.9E; 195303.3N 0842552.4E; 211402.9N 0845952.0E.</p> <p>FL250 / FL050 within 30 NM</p> <p>FL250 / FL100 beyond 30NM</p> <p>Airspace classified as Class 'D'</p>	<p>Bhubaneswar Approach Control</p>	<p>Bhubaneswar Approach English HS</p>	<p>123.5MHz</p>	

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Chennai 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
<p>Airspace bounded by - 155104.2N 0743701.0E to 144804.5N 0755756.4E to 145604.5N 0760626.3E to 133904.9N 0783555.2E; -then along the anticlockwise arc of 100NM centered at Chennai VOR (MMV) (125936.1N 0801014.5E) to 124805.1N 0782755.3E to 123205.2N 0792354.9E; -then along the clockwise arc of 105NM centered at BG NDB (125810.0N 0774250.6E) to 111405.5N 0781155.4E to 100005.9N 0794254.8E to 100005.9N 0814653.9E; -then along the anticlockwise arc of 200NM centered at Chennai VOR (MMV) (125936.1N 0801014.5E) to 161234.2N 0792454.8E to 160004.2N 0791254.9E to 155804.2N 0773155.7E to 164004.0N 0765056.0E to 164004.0N 0755956.3E to 155104.2N 0755956.4E to 155104.2N 0743701.0E.</p> <ul style="list-style-type: none"> • FL460 / FL050 upto 50NM • FL460 / FL100 from 50NM to 100NM • FL460 / FL150 from 100NM to 200NM • FL 460 / FL200 beyond 200NM <p>Airspace classified as Class 'D'.</p>	<p>Chennai Approach</p> <p>Chennai ACC</p>	<p>Chennai Approach</p> <p>Chennai Control</p> <p>Chennai Radar</p> <p>English H24</p>	<p>127.9MHz 119.5MHz</p> <p>125.3MHz 118.9MHz</p> <p>125.7MHz</p>	

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Delhi 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
<p>Area bounded by - 283700.2N 0771555.4E; 283700.2N 0772955.3E; 283400.2N 774855.1E; 283000.2N 0783054.8E; 274400.5N 0775655.1E; 274500.5N 0775255.1E; -then along the arc of 35NM radius centered at Agra VOR (AGG) 270901.7N 0775652.1E to 272900.5N 0772455.3E; 272900.5N 0765055.6E; 280500.3N 0754256.2E; 285000.0N 0753356.2E; 293259.8N 0755956.0E; 290660.0N 0765755.5E; 294459.8N 0771055.4E; 294059.8N 0772955.2E; 285600.0N 0771155.4E; -then along river Jamuna to 283700.2N 0771555.4E.</p> <p>FL100 / FL050</p> <p>Airspace classified as Class 'D'.</p>	Delhi Approach Control	Delhi Approach Delhi Radar English H24	127.9MHz	Upto FL140
<p>Area bounded by 285000.0N 0751656.4E; 304559.3N 0745856.5E; 305159.3N 0751956.3E; 294359.7N 0755256.0E; 290660.0N 0765755.5E; 294459.8N 0771055.4E; 294059.8N 0772955.2E; 285600.0N 0771155.4E; - then along the river Jamuna to 283700.2N 0771555.4E; 283700.2N 0772955.3E; 283400.2N 0774855.1E; 283000.2N 0783054.8E; 274300.6N 0795054.1E; 271300.7N 0792154.4E; 274400.5N 0775655.1E; 274500.5N 0775255.1E; -then along the arc of 35NM radius centered at Agra VOR (AGG) 270901.7N 0775652.1E to 272900.5N 0772455.3E; 272900.5N 0765055.6E; 262400.9N 0761256.0E; 255101.1N 0761256.0E; 260800.9N 0745256.7E; 273500.4N 0745256.6E; 280500.3N 0754256.2E; 280100.3N 0734457.2E; 284760.0N 0734457.2E; 285000.0N 0753356.2E.</p> <p>FL460 / FL100</p> <p>Airspace classified as Class 'D'.</p>	Delhi Approach Control Delhi Area Control	Delhi Approach English H24 Delhi Control English H24	127.0MHz 120.9MHz 124.55MHz 124.2MHz	Upto FL140 From FL150 to FL460
<p>Area bounded by - 295959.6N 0750626.4E to 304459.3N 0745326.5E to 304559.3N 0745856.5E.</p>				

<p>FL200 / FL110</p> <p>Area bounded by coordinates 255101.1N 0761256.0E; 250001.3N 0755956.1E; 250001.3N 0741557.0E then along shorter arc of a circle of radius 30NM centered at Udaipur VOR (UUD) 243646.4N 0735338.7E to 250501.3N 0735957.1E; 260800.9N 0745256.7E; 255101.1N 0761256.0E.</p> <p>FL460 / FL150</p> <p>Airspace classified as Class 'D'.</p>				
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Remark-

- Corridor bounded by coordinates 2952N 07551E; 2943N 07555E; 2933N 07519E; 2942N 07516E, between FL100 to FL120 from HISSAR to ASARI; is reserved for Indian Air Force aircraft crossing ATS route. Airspace not available for civil flights.

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Guwahati 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
Area bounded by - 262701.6N 0903949.0E; 262701.8N 0921448.3E; 260701.9N 0922348.3E; 260201.9N 0915948.5E; 252202.1N 0924448.2E; -then along shorter arc of circle of 25NM centered 245502.3N 0925848.1E to 245602.2N 0923048.3E along Indo- Bangladesh border to 252001.9N 0895249.5E; 254601.8N 0903949.1E; 262701.6N 0903949.0E FL460/ FL085 Airspace classified as Class 'D'	Guwahati Approach Control	Guwahati Approach Guwahati Radar (TAR) English HO	120.5MHz 123.3MHz	

Remarks –

- 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.
- Flight operating on ATS route A599 & B465 will follow the existing procedure and report position to Kolkata FIC on appropriate HF MWARA frequency.
- In case of poor contact on HF, pilot shall request appropriate ATC unit on VHF to relay its position to Guwahati FIC.
- All aerodromes within Guwahati FIR shall pass relevant aircraft movement data to Guwahati FIC through available channels.
- Hours of operation of Guwahati FIC: 0030-1430UTC daily. (Refer Notam for current watch hours).

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Hyderabad 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
<p>A) Airspace bounded by - 191403.2N 0760356.3E; 190803.2N 0764955.9E; 182403.5N 0795954.5E; 171203.9N 0802154.3E; 160004.2N 0791254.9E; 155804.2N 0773155.7E; 173003.7N 0755956.3E; 191403.2N 0760356.3E.</p> <p>FL460 / FL100</p>	Hyderabad ACC	Hyderabad Control Hyderabad Radar English (0830 – 0130)#	118.3MHz 129.7MHz	# consult Notam for current watch hours
<p>B) Airspace bounded by 191403.2N 0760356.3E; 191903.2N 0755956.3E; 194303.1N 0770955.7E; 184103.4N 0795554.5E; 182403.5N 0795954.5E; 190803.2N 0764955.9E; 191403.2N 0760356.3E</p> <p>FL240 / FL100</p> <p>Airspace classified as Class 'D'.</p>	Hyderabad Approach Hyderabad ACC	Hyderabad Approach Hyderabad Control English H24		

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Kolkata 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
<p>A) Area bounded by 230802.4N 0865751.0E, 232802.3N 0872550.8E; 232802.4N 0881450.4E; 233002.4N 0884650.2E; -then along India/Bangladesh boundary to 223502.7N 0885550.2E; 221302.8N 0893849.9E; 213303.0N 0885650.2E; 214002.9N 0874550.7E; 223302.6N 0880350.5E; 223402.6N 0873950.7E; 230802.4N 0865751.0E.</p> <p>FL460 / FL050</p>	<p>Kolkata Approach Radar</p> <p>Kolkata Area</p>	<p>Kolkata Approach English H24</p> <p>Kolkata Control English H24</p> <p>Kolkata Radar English H24</p>	<p>127.9MHz</p> <p>120.1MHz 120.7MHz</p>	<p>Upto FL140</p> <p>From FL150 to FL460</p>
<p>B) Area bounded by 223402.6N 0873950.7E; 223702.5N 0860951.4E; 230402.4N 0861051.4E; 230802.4N 0865751.0E; 223402.6N 0873950.7E.</p> <p>FL460 / FL070</p>				
<p>C) Area bounded by 230802.4N 0865751.0E; 233502.2N 0861651.3E; 241102.1N 0863951.1E; 241102.2N 0884350.1E; -then along India/Bangladesh boundary to 233002.4N 0884650.2E; 233802.3N 0881450.4E; 232802.3N 0872550.8E; 230802.4N 0865751.0E</p> <p>FL460 / FL070</p>				
<p>D) Area bounded by 214002.9N 0874550.7E; 213303.0N 0885650.2E; 221302.8N 0893849.9E; 215003.0N 0902349.5E; 205503.2N 0892350.1E; 205503.1N 0873150.9E; 214002.9N 874550.7E.</p> <p>FL460 / FL100</p> <p>Airspace classified as Class 'D'.</p> <p>Within the triangular area N2100 E09200, N2235 E08856, N2138 E08910 responsibility for the provision of ATS between FL50 to FL460 is delegated to Kolkata ACC/FIC.</p>				

Lucknow 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
Area bounded by - 274300.6N 0795054.1E; 265800.9N 0810053.6E; 262801.1N 0820053.1E; 255301.3N 0813253.4E; 263201.0N 0804353.8E; 271300.7N 0792254.4E; 274300.6N 0795054.1E. FL200 / FL050 Airspace classified as Class 'D'.	Lucknow Approach Control	Lucknow Approach English HO	118.6MHz 119.7MHz	

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Mangalore 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
<p>Area bounded by - 155104.2N 0743701.0E to 155104.2N 0735257.3E to 161604.0N 0730157.7E to 150004.4N 0733727.5E to 150004.4N 0715958.2E to 110005.5N 0715958.2E to 110005.5N 0730457.7E to 101605.7N 0740557.3E; -then along clockwise arc of 200NM centered at Thiruvananthapuram VOR (TVM) (082831.3N 0765531.1E) to 110115.7N 0744618.3E to 110806.5N 0755717.5E to 111605.5N 0762156.3E to 112605.5N 0765456.0E to 124805.1N 0761626.3E to 124805.1N 0765156.0E; -then along the clockwise arc of 50 NM centered at Bangalore NDB (BG) 125810.0N 0774250.6E to 132404.9N 0765756.0E to 135904.7N 0762056.2E to 141304.7N 0763456.1E to 144804.5N 0755756.4E to 155104.2N 0743701.0E. (Except area bounded by VAR44A (UNL/GND), VAR44B (FL210 / GND))</p> <ul style="list-style-type: none"> • FL460 / FL050 upto 50NM • FL460 / FL100 from 50NM to 75NM • FL460 / FL150 beyond 75 NM <p>Airspace classified as Class 'D'.</p>	<p>Mangalore Approach Control</p> <p>Mangalore ACC</p>	<p>Mangalore Approach</p> <p>Mangalore Control</p> <p>Mangalore Radar</p> <p>English H24</p>	<p>122.1MHz 127.55MHz 128.7MHz</p>	

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Mumbai 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
<p>Area bounded by 215802.3N 0714958.2E; -then along the shorter arc of circle of radius 25NM centered at Bhavnagar VOR (BVR) 214507.3N 0721126.1E to 214002.4N 0723857.8E; 212102.5N 0740857.1E; 201202.8N 0733657.4E; 194503.0N 0733957.4E; 201802.8N 0751456.6E; 210002.6N 0755956.3E; 210002.7N 0764955.9E; 190803.2N 0764955.9E; 192103.1N 0745956.8E; 191603.1N 0741857.1E; 190003.2 N 0733657.4E; -then along the shorter arc of circle of radius 30NM centered at Pune VOR (PUN) 183448.3N 0735450.9.3E; 183503.3N 0732257.5E; 171603.8N 0741457.2E; 160104.1N 0755956.4E; 155104.2N 0755956.4E; 155104.2N 0735257.3E; 175803.5N 0692559.4E; 174003.6N 0680000.1E; 211002.5N 0680000.1E; 195902.9N 0712258.5E; -then along the shorter arc of a circle of radius 100NM centered at Mumbai VOR (BBB) 190507.4N 0725231.3E; 203902.7N 0721558.0E; 215802.3N 0714958.2E.</p> <ul style="list-style-type: none"> • FL460 / FL070 upto 100NM • FL460 / FL150 between 100NM to 150NM • FL460 / FL200 beyond 150NM <p>Airspace is classified as Class 'D'.</p>	<p>Mumbai Approach Control</p> <p>Mumbai ACC</p>	<p>Mumbai Approach Mumbai Radar English H24</p> <p>Mumbai Control Mumbai Radar English H24</p>	<p>127.9MHz</p> <p>132.6MHz 120.5MHz 125.9MHz</p>	<p>Upto FL140</p> <p>Refer remarks below</p>

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Nagpur 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
<p>Area bounded by circle of radius 50NM centered at Nagpur VOR (NNP) 210452.7N 0790321.8E.</p> <p>FL100 / FL050</p> <p>Area bounded by coordinates - 233031.9N 0764955.8E to 220002.5N 0815953.4E to 180003.7N 0815953.6E; 180003.7N 0800754.4E; 182403.5N 0795954.5E; 184103.4N 0795554.5E; 194303.1N 0770955.7E; 193603.1N 0764955.9E; 233031.9N 0764955.8E.</p> <p>FL460 / FL100</p>	Nagpur Approach Control	Nagpur Approach English H24	118.1MHz	Traffic operating on ATS routes W68, G590, W40, W66, W49, W33 within portions of respective routes in Mumbai FIR below FL200, shall be coordinated between Nagpur ACC and Varanasi ACC.
<p>Area bounded by coordinates - 210002.7N 0764955.9E; 210002.6N 0755956.3E; 234501.8N 0755956.2E; 233031.9N 0764955.8E; 210002.7N 0764955.8E.</p> <p>FL460 / FL150</p> <p>Area bounded by coordinates - 240001.9N 0815953.3E; 223024N 0815953.3E; ASOPO (231109.1N 0800338.3E); 241431.7N 0792824.5E; 240001.9N 0815953.3E.</p> <p>FL255 / FL200</p> <p>Area bounded by coordinates - 243001.5N 0764955.9E to 241431.7N 0792824.5E to ASOPO (231109.1N 0800338.3E) to 223024N 0815953.3E to 220002.5N 0815953.3E to 234501.8N 0755956.2E to 243001.5N 0755956.2E to 243001.5N 0764955.9E.</p> <p>FL460 / FL200</p> <p>Area bounded by coordinates - 193603.1N 0764955.9E to 194303.1N 0770955.7E to 184103.4N 0795554.5E to 182403.5N 0795954.5E; 190803.2N 0764955.9E to 193603.1N 0764955.9E</p> <p>FL460 / FL250</p> <p>Airspace classified as Class 'D'</p>	Nagpur Area Control	Nagpur Control English H24	123.9MHz	

Patna 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
<p><u>Sector A</u> Area bounded by - 255401.4N 0843951.9E then along clockwise arc of 30NM centered at Patna VOR (PPT) 253525.5N 0850523.7E to 260301.4N 0845251.8E to 262331.3N 0845021.8E; -then along clockwise arc of 50NM centered at Patna VOR (PPT) 253525.5N 0850523.7E to 262501.3N 0851351.6E to 260301.4N 0851751.6E; -then along clockwise arc of 30NM centered at Patna VOR (PPT) 253525.5N 0850523.7E to 251801.6N 0853151.5E to 250031.8N 0854451.4E; -then along clockwise arc of 50NM centered at Patna VOR (PPT) 253525.5N 0850523.7E to 244916.8N 0852721.6E to 250701.7N 0851451.7E; -then along clockwise arc of 30NM centered at Patna VOR (PPT) 253525.5N 0850523.7E to 250501.7N 0850351.8E to Patna VOR (PPT) 253525.5N 0850523.7E to 255401.4N 0843951.9E.</p> <p>FL250 / FL060</p> <p><u>Sector B</u> Area bounded by 263501.2N 0844951.8E to 263701.2N 0851151.6E to 262501.3N 0851351.6E; -then along anticlockwise arc of 50NM centered at Patna VOR (PPT) 253525.5N 0850523.7E to 262331.3N 0845021.8E to 263501.2N 0844951.8E.</p> <p>AND</p> <p>Area bounded by 250031.8N 0854451.4E to 244001.9N 0855951.4E to 242901.9N 0854251.54E to 244916.8N 0852721.6E -then along anticlockwise arc of 50NM centered at Patna VOR (PPT) 253525.5N 0850523.7E to 250031.8N 0854451.4E.</p> <p>FL250 / FL100</p> <p><u>Sector C1</u> Area bounded by 255401.4N 0843951.9E to Patna VOR (PPT) 253525.5N 0850523.7E to 250501.7N 0850351.8E;</p>	<p>Patna Approach Control</p>	<p>Patna Approach English HO</p>	<p>121.1MHz</p>	

<p>-then along clockwise arc of 30NM centered at Patna VOR (PPT) 253525.5N 0850523.7E to 252401.6N 0843452.0E to 252301.5N 0841152.1E; -then along clockwise arc of 50NM centered at Patna VOR (PPT) 253525.5N 0850523.7E to 254201.4N 0841152.1E to 254301.5N 0843352.0E; -then along clockwise arc of 30NM centered at Patna VOR (PPT) 253525.5N 0850523.7E to 255401.4N 0843951.9E.</p> <p>FL145 / FL060</p> <p><u>Sector C2</u> Area bounded by 252301.5N 0841152.1E; -then along the clockwise arc of 50NM centered at Patna VOR (PPT) 253525.5N 0850523.7E to 254201.4N 0841152.1E to 254001.4N 0833652.4 to 252301.5N 0841152.1E.</p> <p>FL145 / FL100</p> <p>Airspace classified as Class 'D'</p>				
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Thiruvananthapuram 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
<p>An airspace bounded by-</p> <p>A) A circle of radius 50NM centered at Thiruvananthapuram VOR (TVM) 082831.3N 0765531.0E.</p> <p>FL100 / FL50</p> <p>B) 064806.7N 0765956.0E; -then along a clockwise arc of 100NM centered at Trivandrum VOR (TVM) 082831.3N 0765531.1E to 095005.9N 0755756.5E; -then along anticlockwise arc of 30NM centered at Cochin International VOR (CIA) 100901.8N 0762221.3 to 100705.8N 0765156.0E; -then along clockwise arc of 100NM centered at Trivandrum VOR (TVM) 082831.3N 0765531.1E to 095705.9N 0774055.7E; -then along clockwise arc of 25NM centered at Madurai VOR (MDI) 094951.9N 0780520.5E to 092806.0N 0781555.4E; -then along clockwise arc of 100NM centered at Thiruvananthapuram VOR (TVM) 082831.3N 0765531.0E to 081706.3N 0783555.3E to 070006.6N 0765956.0E to 064806.7N 0765956.0E</p> <p>FL160 / FL100</p> <p>C) 110005.5N 0715958.2E to 073006.5N 0715958.3E to 073006.5N 0735957.4E 0765956.0E to 060006.9N 0735957.4E 060006.9N 0765956.0E to 070006.6N 0765956.0E to 090006.1N 0792754.9E to 100005.9N 0795954.7E to 100005.9N 0794254.8E to 111405.5N 0781155.4E to 110305.6N 0781655.4E to 104905.6N 0780955.5E to 103205.7N 0781355.4E to 101405.8N 0775955.5E to 105205.6N 0772655.8E; -then along the anticlockwise arc of 25NM centered at Coimbatore VOR (CCB) 110201.6N 0770253.0E to 1002005.5N 0771955.8E to 115805.3N 0773255.7E to 120405.3N 0771355.9E to 112705.5N 0770056.0E; -then along anticlockwise arc of 25NM centered at Coimbatore VOR (CCB)</p>	<p>Trivandrum ACC/ Approach Control</p> <p>Trivandrum ACC</p>	<p>Trivandrum Approach Trivandrum Radar English H24</p> <p>Trivandrum Control Trivandrum Radar English H24</p>	<p>119.6MHz 125.95MHz 120.9MHz</p>	

<p>110201.6N 0770253.0E to 112605.5N 0765456.0E to 111605.5N 0762156.3E to 110806.5N 0755717.5E to 110115.7N 0744618.3E; -hen along anticlockwise arc of 200NM centered at Thiruvananthapuram VOR (TVM) 082831.3N 0765531.1E to 101605.7N 0740557.3E to 110005.5N 0730457.7E to 110005.5N 0715958.2E.</p> <p>FL460 / FL160</p> <p>Airspace classified as Class 'D'.</p>				
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Varanasi 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
<p><u>Sector A1</u> Airspace encompassed within the lateral and vertical limits of ATS routes A201, B345, G590, G598 & W45 contained within the area bounded by Indo/Nepal border to meridian 8340E to 271500.9N 0833952.3E to 271000.9N 0825952.6E to 262401.1N 0825952.7E to 255401.4N 0843951.9E - then along anticlockwise arc of 30NM centered at Patna VOR (PPT) 253525.5N 0850523.7E to 254301.5N 0843352.0E to 254001.4N 0833652.4E to 265800.9N 0810053.6E to 273230.8N 0823952.8E to Indo/Nepal border to meridian 8340E</p> <p>FL460 / FL100</p>	Varanasi ACC	Varanasi Control Varanasi Radar English H24	120.75MHz	Refer remarks below
<p><u>Sector A2</u> Area bounded by 255401.4N 0843951.9E; -then along anticlockwise arc of 30NM centered at Patna VOR (PPT) 253525.5N 0850523.7E to 254301.9N 0843352.0E to 254001.4N 0833652.4E to 245701.7N 0850251.8E to Patna VOR (PPT) 253525.5N 0850523.7E to 255401.4N 0843951.9E.</p> <p>FL460 / FL150</p>	Varanasi Approach Control	Varanasi Approach English H24	119.0MHz	
<p><u>Sector B1</u> Area bounded by – 262801.1N 0820053.1E; 252901.5N 0835752.3E; 244801.7N 0833152.5E; 250001.6N 0823952.9E; 255301.3N 0813253.4E; 262801.1N 0820053.1E.</p> <p>FL460 / FL050</p>				
<p><u>Sector B2</u> Area bounded by – 252901.5N 0835752.3E; 245701.7N 0850251.8E; 243001.9N 0844551.9E; 244801.7N 0833152.5E; 252901.5N 0835752.3E.</p> <p>FL460 / FI00</p>				
<p><u>Sector B3</u> Area bounded by – 262801.1N 0820053.1E; 255301.3N 0813253.4E; 263201.0N 0804353.8E; 265800.9N 0810053.6E; 262801.1N 0820053.1E.</p>	Varanasi ACC	Varanasi Control English H24	120.75MHz	

<p>FL460 / FL200</p> <p>Sector C</p> <p>Area bounded by - 243001.9N 0844551.9E to PUPAM (241231.9N 0842722.1E) to PAROT (240036.0N 0834933.4E) to 240001.9N 0815953.3E (VABF/VECF FIR) to 241431.7N 0792824.5E to 250801.4N 0785954.7E to 253601.3N 0793554.4E to 251701.4N 0794954.3E to 262401.0N 0801154.0E to Lucknow VOR (LLK) 264543.9N 0805249.7E to 263201.0N 0804353.8E to 250001.6N 0823952.9E to 243001.9N 0844551.9E. Excepting the area bounded by coordinates (Local Flying Area of Indian Air Force) 263201.0N 0804353.8E to 262419.0N 0803552.9E to 250737.4N 0801248.1E; - then along clockwise arc of 25NM centered at Khajuraho NDB (KJ) 244913.5N 0795500.3E to 250324.5N 0801658.1E to 252701.4N 0820553.2E to 263201.0N 0804353.8E</p> <p>FL 460 / FL200</p> <p>Sector D</p> <p>Area bounded by 241431.7N 0792824.5E to 240001.9N 0815953.3E (VABF/VECF FIR) to PAROT (240036.0N 0834933.4E) to PUPAM (241231.9N 0842722.1E) to ARIVO (225817.3N 0840745.3E) to 223024N 0815953.3E to ASOPO (231109.1N 0800338.3E) to 241431.7N 0792824.5E.</p> <p>FL460 / FL260</p> <p>Airspace classified as Class 'D'.</p>				
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Remarks-

- For ATS route W33, the existing coordination between Allahabad and Varanasi will be continued.
- For ATS route W40, airspace south of 26°N between FL200-FL460 to be controlled by Varanasi.
- Traffic operating on ATS routes W33, W40, W49, W66, W68 & G590 within the portion of respective routes in Mumbai FIR below FL200 shall also be coordinated between Nagpur ACC and Varanasi ACC.

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Hashimara Control Area (Indian Air Force)

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
<p>An area bounded by coordinates - 265901.3N 0885549.8E; - then along Indo-Bhutan border to 264301.5N 0895249.4E; 263701.5N 0895149.4E; 262701.6N0903949.0E; 260601.7N 0903949.1E; 261501.6N 0894749.5E; 260901.6N 0894449.5E; - then along Indo/Bangladesh border to 262601.5N 0885549.8E; 265901.3N 0885549.8E.</p> <p>UNL/ FL075</p>	<p>Hashimara Approach Control</p>	<p>Hashimara Approach English HO</p>		

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Udhampur Control Area (Indian Air Force)

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
<p>Area bounded by - 341958.0N 0732757.1E; 341958.0N 0752956.0E; 330958.5N 0753156.1E; 315958.9N 0755955.9E; 314359.0N 0753956.1E; 320658.9N 0751556.3E; -then along International boundary to 341958.0N 0732757.1E.</p> <p>UNL / 17000Ft AMSL - North of 3310N UNL / 12000Ft AMSL – South of 3310N</p>	<p>Udhampur ACC</p>	<p>Udhampur Control English HO</p>	<p>122.7MHz</p>	

END