Route Designator (RNP Type) Name of Significant Points Coordinates	Track- Magnetic/Geo VOR Radial Distance COP	Upper Limit Lower Limit MFA Airspace Classification	Lateral Limits	Direction of Cruising Levels		Remarks Controlling Unit Frequency
				Odd	Even	
R218 (DELHI-JAIPUR)						
▲ DELHI VOR (DPN) 283400.2N 0770541.5E	240 26NM	F460/F120 3000Ft Class D	20NM		↓	**1.** Aircraft to contact Jaipur APP at or below FL150. **2.** Jaipur App 123.5MHz. **3.** Ahmedabad ACC 123.45MHz, 134.2MHz. **4.** Delhi ACC 124.55MHz, 124.2MHz
▲ CHILLERKI VOR (CHI) 282100.2N 0763931.7E	225 60NM	F460/F120 4300Ft Class D			↓	
▲ DIPAS 273815.4N 0755151.1E	184 49NM				↓	
▲ JAIPUR VOR (JJP) 264930.7N 0754801.2E					↓	
R325 (KATHMANDU - KOLKATA)						
▲ JANAKPUR NDB (JKP) 264000.0N 0855500.0E	152/332 57NM	F460/F100 2900Ft Class E	20NM	↓	↑	**1.** Minimum 10 Min. longitudinal separation applicable based on Mach number technique. **2.** Kolkata ACC 120.1MHz, 126.1MHz, 125.9MHz
▲ NIRAB 255001.5N 0862436.1E	153/333 17NM				↑	
▲ TAXOP 253459.3N 0863313.9E	153/333 25NM			↓		
▲ SALOR 251301.7N 0864544.9E	152/332 45NM				↑	
▲ MEMIR 243302.0N 0870850.8E	153/333 25NM			↓		
▲ DUMKA 241102.1N 0872109.8E	148/328 110NM				↑	
▲ KOLKATA VOR (CEA) 223842.6N 0882710.4E		F460/F215 3100Ft Class D		↓	↑	
R329 (POMAN - MALE)						

Route Designator (RNP Type) Name of Significant Points Coordinates	Track- Magnetic/Geo VOR Radial Distance COP	Upper Limit Lower Limit MFA Airspace Classification	Lateral Limits	Direction of Cruising Levels		Remarks Controlling Unit Frequency
				Odd	Even	
▲ POMAN 115605.3N 0715958.2E	171/352 120NM	F460/F100 1500Ft Class E	20NM	↓	↑	**1.** Trivandrum ACC 120.9MHz, 125.95MHz
▲ ANODA 095805.8N 0722358.1E	171/352 151NM	F460/F100 1500Ft Class E	20NM	↓	↑	**2.** Chennai Radio 11285KHz, 5670KHz, 3470KHz
▲ POXOD 073006.5N 0725546.9E				↓	↑	
R344 (KATHMANDU - DHAKA)						
▲ BIRATNAGAR NDB (VIN) 262900.0N 0871600.0E	164 57NM	F460/F100 1800Ft Class E	20NM	↓		**1.** Minimum 10 Min. longitudinal separation applicable. **2.** Kolkata ACC 120.1MHz, 126.1MHz, 125.9MHz
▲ KATIHAR NDB (KH) 253401.7N 0873320.6E	140 52NM			↓		
▲ REDAP 245401.9N 0881105.3E				↓		
R456 (IZKI - MALE)						
▲ KITAL 200300.0N 0601800.0E	139/321 243NM	F460/F100 1500Ft Class E	20NM	↓	↑	**1.** Mumbai Radio 10084KHz, 6661KHz, 4675KHz, 3443KHz, 8879KHz, 5634KHz, 5601KHz, 3476KHz, 10018KHz, 5658KHz, 4657KHz, 3467KHz,
▲ BOLUR 170040.8N 0630721.4E	141/322 188NM			↓	↑	
▲ DONSA 143518.5N 0651533.3E	142/323 202NM			↓	↑	
▲ GOLEM 115739.3N 0672213.4E	143/324 170NM			↓	↑	
▲ ESMIT 094401.9N 0691019.5E	144/325 170NM			↓	↑	
▲ BIBGO 073006.5N 0705647.8E				↓	↑	

Route Designator (RNP Type) Name of Significant Points Coordinates	Track- Magnetic/Geo VOR Radial Distance COP	Upper Limit Lower Limit MFA Airspace Classification	Lateral Limits	Direction of Cruising Levels		Remarks Controlling Unit Frequency
				Odd	Even	
R457 (MALE - THIRUVANANTHAPURAM)						
▲ NOKID 060006.9N 0745725.0E	042/222 189NM	F460/F150 1500Ft Class E		↓	↑	**1.** Trivandrum ACC 120.9MHz, 125.95MHz
▲ THIRUVANANTHAPURAM VOR (TVM) 082829.3N 0765529.0E				↓	↑	
R458 (MUMBAI - BELGAUM)						
▲ MUMBAI VOR (BBB) 190510.6N 0725229.1E	153 150NM	F460/F200 6300Ft Class D	20NM	↓		**1.** Minimum 10 Min. longitudinal separation applicable based on Mach number technique. **2.** Mumbai ACC 125.35MHz, 132.7MHz, 120.5MHz
▲ EPKOS 165307.9N 0740713.2E	157 68NM	F460/F200 4800Ft Class D		↓		
▲ BELGAUM VOR (BBM) 155122.2N 0743701.0E				↓		
R460 (DELHI - KOLKATA)						
▲ DELHI VOR (DPN) 283400.2N 0770541.5E	127 72NM	F460/F075 3000Ft Class D	20NM	↓		**1.** Minimum 10 Min. longitudinal separation applicable. **2.** Change over point between Aligarh VOR (ALI) and Lucknow VOR (LLK) is KADAS. **3.** Climbing aircraft from Delhi to reach the assigned level by KADAS. **4.** Route bi-directional between Lucknow VOR (LLK) and Kolkata VOR (CEA). **5.** Delhi ACC 120.9MHz, 124.2MHz
▲ ALIGARH VOR (ALI) 274945.5N 0781042.0E	114 75NM	F460/F075 2500Ft Class D		↓		
▲ KADAS 272000.7N 0792854.3E	114 82NM			↓		
▲ LUCKNOW VOR (LLK) 264543.9N 0805249.7E	127/307 132NM	F460/F075 2400Ft Class D		↓	↑	
▲ VARANASI VOR (BBN) 252714.5N 0825133.8E	111/291 121NM				↑	
▲ GAYA VOR (GGC) 244429.8N 0845638.8E	124/304 99NM	F460/F075 6000Ft Class D		↓	↑	

Route Designator (RNP Type) Name of Significant Points Coordinates	Track- Magnetic/Geo VOR Radial Distance COP	Upper Limit Lower Limit MFA Airspace Classification	Lateral Limits	Direction of Cruising Levels		Remarks Controlling Unit Frequency
				Odd	Even	
▲ TEPAL 234842.2N 0862603.2E	123/303 132NM	F460/F075 3700Ft Class D	20NM	↓	↑	**6.** Varanasi ACC 119.0MHz, 120.75MHz **7.** Kolkata ACC 120.1MHz, 126.1MHz, 125.9MHz
▲ KOLKATA VOR (CEA) 223842.6N 0882710.4E						
R461 (DEMON - MUMBAI)						
▲ DEMON 083329.3N 0785624.1E	329/149 91NM	F460/F125 1700Ft Class D	20NM	↑	↓	**1.** Minimum 10 Min. longitudinal separation applicable based on Mach number technique. **2.** Route bi-directional between DEMON and IBUDU. **4.** Chennai ACC 118.9MHz, 125.3MHz **5.** Mangalore ACC 127.55MHz
▲ MADURAI VOR (MDI) 094951.9N 0780520.5E	322/142 95NM	F460/F125 8900Ft Class D				
▲ COIMBATORE VOR (CCB) 110201.6N 0770253.0E	335/155 160NM	F460/F200 11000Ft Class D				
▲ EGARI 132634.9N 0755141.5E	335/155 104NM	F460/F200 7800Ft Class D				
▲ IBUDU 150004.4N 0750356.8E	335/155 58NM					
▲ BELGAUM VOR (BBM) 155122.2N 0743701.0E	319 106NM	F460/F200 4800Ft Class D				
▲ MABTA 170828.8N 0732145.6E	349 120NM	F460/F200 5000Ft Class D				**6.** Trivandrum ACC 125.95MHz, 120.9MHz **7.** Mumbai ACC 125.35MHz, 132.7MHz, 120.5MHz
▲ MUMBAI VOR (BBB) 190510.6N 0725229.1E						
R462 (RAMSA - DELHI)						
▲ RAMSA (VIDF/OPKR FIR) 251959.1N 0704421.7E	104/284 177NM	F460/F120 4800Ft Class D	20NM	↓	↑	**1.** Ahmedabad ACC 123.75MHz, 134.2MHz
▲ UDAIPUR VOR (UUD) 243646.4N 0735339.2E	038/218 112NM				↑	

Route Designator (RNP Type) Name of Significant Points Coordinates	Track- Magnetic/Geo VOR Radial Distance COP	Upper Limit Lower Limit MFA Airspace Classification	Lateral Limits	Direction of Cruising Levels		Remarks Controlling Unit Frequency
				Odd	Even	
▲ BIDAN 260429.0N 0750951.5E	037/217 57NM	F460/F120 4100Ft Class D	20NM	↓	↑	**2.** Route uni-directional between Jaipur VOR (JJP) and Delhi VOR (DPN). **3.** Delhi ACC 124.55MHz, 124.2MHz
▲ JAIPUR VOR (JJP) 264930.7N 0754801.2E	033 70NM			↓		
▲ REBON 274800.7N 0763120.6E	033 55NM	F460/F120 3200Ft Class D				
▲ DELHI VOR (DPN) 283400.2N 0770541.5E				↓		
R472 (KOLKATA - GUWAHATI)						
▲ KOLKATA VOR (CEA) 223842.6N 0882710.4E	005/185 101NM	F460/F245 1600Ft Class D	20NM	↓	↑	**1.** Minimum 10 Min. longitudinal separation applicable based on Mach number technique. **2.** ATC service is provided by Kolkata Approach on 127.9MHz between Kolkata VOR (CEA)-AGODA-Kolkata VOR (CEA). **3.** ATC service is provided by Guwahati Approach betweem Guwahati VOR (GGT)-ATOGA-Guwahati VOR (GGT) on 120.5MHz
▲ AGODA 241922.1N 0883556.2E	005/185 6NM					
▲ RAJSHAHI VOR (RAJ) 242624.1N 0883654.0E	057/237 91NM			↓	↑	
▲ ATOGA 251601.9N 0900101.5E	060/240 99NM	F460/F245 8000Ft Class E				
▲ GUWAHATI VOR (GGT) 260608.8N 0913506.7E				↓		
R581 (KOLKATA - KATHMANDU)						
▲ KOLKATA VOR (CEA) 223842.6N 0882710.4E	328 110NM	F460/F075 3100Ft Class D	20NM		↓	**1.** Minimum 10 Min. longitudinal separation applicable.
▲ DUMKA 241102.1N 0872109.8E	325 86NM	F460/F075 2900Ft Class E				
▲ MONDA 252101.7N 0862616.1E	325 17NM	F460/F075 1600Ft Class E			↓	

Route Designator (RNP Type) Name of Significant Points Coordinates	Track- Magnetic/Geo VOR Radial Distance COP	Upper Limit Lower Limit MFA Airspace Classification	Lateral Limits	Direction of Cruising Levels		Remarks Controlling Unit Frequency
				Odd	Even	
▲ UXAGA 253504.5N 0861509.2E	325 55NM	F460/F075 1600Ft Class E	20NM		↓	**2.** Kolkata ACC 120.1MHz, 120.7MHz, 125.9MHz
▲ IPLAS 261941.3N 0853913.4E	324 52NM					
▲ ROMEO 270144.0N 0850459.0E					↓	
R594 (LUCKNOW - DELHI)						
▲ LUCKNOW VOR (LLK) 264543.9N 0805249.7E	311 86NM	F460/F075 2500Ft Class D	20NM		↓	**1.** Minimum 10 Min. longitudinal separation applicable based on Mach number technique.
▲JALALABAD VOR (JAL) 274139.6N 0793920.2E	292 111NM	F460/F075 2500Ft Class D	20NM		↓	**2.** Changeover point between Lucknow VOR (LLK) and Jalalabad VOR (JAL) is 43NM from Lucknow VOR (LLK). **3.** Changeover point between Jalalabad VOR (JAL) and Sikandarabad VOR (SSB) is 55NM from Jalalabad VOR (JAL). **4.** Varanasi ACC 119.0MHz, 132.4MHz, 120.75MHz 5. Delhi ACC 120.9MHz, 124.2MHz
▲ SIKANDARABAD VOR (SSB) 202338.9N 0774229.5E	288 34NM	F460/F075 3000Ft Class D				
▲ DELHI VOR (DPN) 283400.2N 0770541.5E					↓	
R598 (KOLKATA - PARO)						
▲ KOLKATA VOR (CEA) 223842.6N 0882710.4E	005/185 101NM	F460/F075 1600Ft Class E	20NM	↓	↑	**1.** ATC service is provided by Kolkata Approach on 127.9MHz between Kolkata VOR (CEA)-AGODA-Kolkata VOR (CEA). **2.** Kolkata ACC 120.1MHz, 120.7MHz, 125.9MHz
▲ AGODA 241922.1N 0883556.2E	005/185 6NM				↑	
▲ RAJSHAHI VOR (RAJ) 242624.1N 0883654.0E	012/192 47NM			↓		
▲ MIGOP 251219.9N 0884708.0E	012/192 10NM				↑	
				↓		

Route Designator (RNP Type) Name of Significant Points Coordinates	Track- Magnetic/Geo VOR Radial Distance COP	Upper Limit Lower Limit MFA Airspace Classification	Lateral Limits	Direction of Cruising Levels		Remarks Controlling Unit Frequency
				Odd	Even	
▲ VINAD 252213.8N 0884920.0E	012/192 24NM	F460/F075 1600Ft Class E	20NM	↓	↑	**3.** Minimum 10 Min. longitudinal separation applicable.
▲SAIDPUR VOR (SDP) 254549.7N 0885437.9E	041/221 45NM	F460/F075 1600Ft Class E				
▲ AUVIT 261955.6N 0892822.6E	031/211 29NM	F460/F075 1700Ft Class E		↓	↑	
▲ BOGOP 264401.5N 0894449.5E	342/162 44NM	F460/F075 4000Ft Class E			↑	
▲ PARO 272601.2N 0892849.5E				↓		

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