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	
A201 (ANSOS – AGARTALA)						
▲ ANSOS 232702.7N 0932748.0E	283/102 125NM	F460/F270 10100Ft Class E	20NM	↑	↓	**1.** Minimum 10 Min. longitudinal separation based on Mach number technique **2.** Kolkata ACC 120.1 MHz , 125.9MHz
▲ AGARTALA VOR (AAT) 235322.4N 0911423.0E						
A201 (RAJSHAHI – LUCKNOW)						
▲ RAJSHAHI VOR (RAJ) 242624.0N 0883706.0E	295/115 35NM	F460/F270 1700Ft Class E	20NM	↑	↓	**1.** Minimum 10 Min longitudinal separation based on Mach number technique **2.** Between Rajshahi and Patna VOR (PPT), ATC service is provided by Kolkata ACC 120.1 MHz. 125.9MHz **3.** Between Patna VOR (PPT) and Lucknow VOR (LLK), ATC service is provided by Varanasi ACC 120.75 MHz, 119.0 MHz
▲ TEBID (VECF/VGZR FIR) 244102.0N 0880150.4E	295/115 14NM				↓	
▲ BIKIK 244646.9N 0874750.5E	296/115 81NM			↑		
▲ MONDA 252101.7N 0862616.1E	282/102 74NM	F460/F270 3000Ft Class E			↓	
▲ PATNA VOR (PPT) 253525.5N 0850523.7E	288/108 86NM	F460/F270 2500Ft Class D		↑		
▲ BODOG 260137.1N 0833455.3E	288/106 152NM	F460/F270 1700Ft Class D			↓	
▲ LUCKNOW VOR (LLK) 264543.9N 0805249.7E		F460/F270 2500Ft Class D		↑		
A214 (LATIK – BUSUX)						
▲ LATIK 030812.0S 0680000.0E	270/090 482NM	F460/F100 1600Ft Class F	40NM	↓	↑	Mumbai Radio 3467 KHz, 5658 KHz, 13288 KHz , 2872 KHz , 8879 KHz, 11300 KHz, 10018KHz
▲ BUSUX 035500.0S 0600000.0E						

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	
A325 (PRATAPGARH – TASOP)						
▲ PRATAPGARH VOR (PRA) 240147.6N 0744502.8E	288 227NM	F460/F100 4400Ft Class D	20NM		↓	**1.** Suitably equipped aircrafts are required to squawk Mode 3A and the assigned code and Mode C. **2.** Aircraft not assigned any code shall squawk Mode 3A Code 2000 and Mode C. **3.** Minimum 10 min longitudinal separation is applicable. **4.** Ahmedabad ACC 123.75MHz, 132.4MHz
▲ TASOP 251407.2N 0704458.7E						
A347 (MUMBAI - DELHI)						
▲ MUMBAI VOR (BBB) 190507.4N 0725231.3E	004 100NM	F460/F100 3500Ft Class D	20NM			**1.** Mumbai ACC 120.5MHz **2.** Ahmedabad ACC 123.75MHz, 134.2MHz **3.** Delhi ACC 124.55MHz, 124.2MHz 4.Minimum 10 Min longitudinal separation applicable based on Mach no. technique. 5.Flights landing at Jaipur use W13S after UUD VOR.
▲ DOTIP 204528.7N 0725646.7E	004 50NM	F460/F100 3500Ft Class D		↓		
▲ APANO 213502.4N 0725857.7E	018 47NM	F460/F100 2300Ft Class D				
▲ VADODARA VOR (QQZ) 221958.2N 0731330.5E	016 32NM	F460/F100 4200Ft Class D		↓		
▲ AMVIG 225112.8N 0732233.0E	016 73NM					
▲ ARADO 240136.4N 0734311.3E	016 37NM			↓		
▲ UDAIPUR VOR (UUD) 243646.4N 0735338.7E	030 210NM	F460/F100 4800Ft Class D				
▲ UKBAB 261146.4N 0755151.1E	030 100NM					
▲ DIPAS 273815.4N 0755151.1E	044 60NM	F460/F100 4300Ft 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	
▲ CHILLERKI VOR (CHI) 282100.2N 0763931.7E	060 26NM	F460/F100 3000Ft Class D		↓		
▲ DELHI VOR (DPN) 283400.2N 0770542.1E						
A451 (MUMBAI – ADDIS ABABA)						
▲ MUMBAI VOR (BBB) 190507.4N 0725231.3E	260/079 207NM	F460/F100 3200Ft Class D				
▲ BISET 182321.4N 0691806.5E	259/079 86NM	F460/F100 1500Ft Class E	40NM	↑	↓	**1.** Mumbai ACC 132.7 MHz, 120.5MHz **2.** Mumbai Radio 10084KHz, 6661KHz, 4675KHz, 3443KHz, 8879KHz, 5634KHz, 5601KHz, 3476KHz
▲ LELIT 180433.5N 0674930.2E	259/078 120NM			↑	↓	
▲ LEMAX 173703.6N 0654701.1E	258/078 84NM					
▲ LATEB 171703.7N 0642201.8E	259/079 73NM			↑	↓	
▲ BOLUR 170040.8N 0630721.4E	258/078 65NM			↑	↓	
▲ IBVUB 164435.68N 0620116.98E	258/078 14NM					
▲ MANDU 164100N 0614641E	258/077 106NM			↑	↓	
▲ ANGAL (VABF/OYSC FIR) 161404.1N 0600003.8E						
A452 (GOLEM – ELKEL)						

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	
▲ GOLEM 115739.3N 0672213.4E	173/353 289NM	F460/F100 1500Ft ***Class E***	40NM	↓	↑	**1.** Mumbai ACC 132.7 MHz, 120.5 MHz **2.** Mumbai FIC 125.35 MHz, 120.5 MHz
▲ POPET 071342.5N 0681336.0E	174/354 330NM			↓	↑	
▲ ELKEL 014907.9N 0691059.5E		F460/F100 1500Ft Class E	40NM	↓	↑	1. Mumbai ACC 132.7 MHz, 120.5 MHz 2. Mumbai FIC 125.35 MHz, 120.5 MHz
A456 (AMRITSAR – LAHORE)						
▲ AMRITSAR VOR (AAR) 314225.0N 0744803.0E	239/059 13NM	F460/F105 2400Ft Class E	10NM	↓	↑	**1.** ATC Service in Indian airspace **2.** East-bound flights to cross international border at or above F60. **3.** Delhi ACC 124.55 MHz, 124.2 MHz
▲ RABAN 313532.0N 0743450.6E		F460/F105 2400Ft Class E	10NM			
A462 (KOLKATA-DHAKA)						
▲ KOLKATA VOR (CEA) 223842.6N 0882710.4E	056/236 30NM			↓	↑	**1.** ATC Service in Indian airspace. Minimum 10 Min. longitudinal separation **2.** Kolkata ACC 120.1 MHz, 126.1MHz, 125.9MHz **3.** Kolkata APP 127.9MHz
▲ BEMAK 225538.6N 0885356.2E						
A463 (MADURAI - COLOMBO)						
▲ *MADURAI VOR (MDI)* *094951.9N 0780520.5E*	*165* *98NM*	*F460/F105* *1700Ft* *Class D*				***1.*** *Available to east-bound flights only* ***2.*** *Trivandrum ACC* *125.95MHz, 120.9MHz*
▲ *BIKOK* *081706.3N 0783555.3E*						
A465 (KOLKATA - COLOMBO)						

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	
▲ *KOLKATA VOR (CEA)* *223842.6N 0882710.4E*	*199/020* *64NM*	***F460/F75*** ***2100Ft*** ***Class D***	*20NM*	↑	↓	***1.*** *Kolkata ACC* *120.1 MHz, 126.1 MHz* ***2.*** *Chennai ACC* *125.3 MHz, 126.15 MHz*
▲ *LEGOS* *213802.9N 0882710.4E*	*227/047* *85NM*	***F460/F75*** ***1600Ft*** ***Class E***			↓	
▲ *KAKID* *203833.1N 08659512E*	*228/048* *52NM*	***F460/F75*** ***3100Ft*** ***Class E***				
▲ *PALKO* *200303.3N 0861921.5E*	*229/049* *13NM*	***F460/F75*** ***1500Ft*** ***Class E***	*20NM*	↑	↓	***3.*** *When VED-50 is active, aircraft to follow route-* *KAKID-[252/071, 71NM]-Bhubaneswar VOR (BBS)-[242/062, 73NM]-MEPOL-[216/036, 144NM]-Vishakapatnam VOR (VVZ)*
▲ *LEMIX* *195433.3N 0860921.6E*	*228/048* *69NM*					
▲ *ISMON* *190703.5N 0851552.0E*	*234/054* *28NM*					
▲ *LARIK* *185003.6N 0845222.2E*	*235/054* *54NM*			↑	↓	
▲ ***NIKIR*** ***181721.28N 0840650.34E***	***235/055*** ***62NM***					
▲ *VISHAKAPATTNAM VOR (VVZ)* *174003.9N 0831510.0E*	*214/034* *64NM*	***F460/F100*** ***1500Ft*** ***Class E***				
▲ *XOPOX (VECF/VOMF FIR)* *164604.1N 0823847.3E*	*214/034* *86NM*	*F460/F105* *1500Ft* *Class E*	*20NM*	↑	↓	***4.*** *When VED-73 is active, aircraft to follow route-* *LARIK-[250/070, 112NM]-POINT 'A' [180833.7N 0820253.1E, 197/017, 32NM]- POINT 'C' [173727.7N 0825345.4E, 197/017, 53NM]-XOPOX* *5. Minimum 10 Min. longitudinal separation based on Mach number technique*
▲ *DOKET* *153324.4N 0815024.7E*	*214/034* *110NM*	*F460/F105* *1500Ft* *Class D*		↑	↓	
▲ *GURAS* *140004.8N 0804954.2E*	*215/035* *72NM*					
▲ *CHENNAI VOR (MMV)* *125936.1N 0801014.5E*	*185/006* *68NM*			↑	↓	

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	
▲ *AKMIL* *115135.4N 0800654.6E*	*184/004* *112NM*					
▲ *DABAR* *100005.9N 0800446.6E*						
A466 (SAMAR - DELHI)						
▲ SAMAR 312047.1N 0743356.7E	135/316 45NM	F460/F270 1900Ft Class E	20NM	↓	↑	**1.** Route bi-directional between SAMAR and ASARI **2.** Minimum 10 Min. longitudinal separation applicable based on Mach number technique
▲ ASARI 304815.3N 0750931.4E	162 61NM	F460/F270 1900Ft Class E	20NM	↓	↑	3.All aircraft to contact"A"control on 119.7 MHz for identification.
▲ ELKUX 295029.7N 0753041.2E	132 73NM	F460/F105 2700Ft Class D				
▲ IGINO 290105.6N 0763207.4E	132 40NM	F460/F105 2700Ft Class D		↓		**4.** Suitably equipped aircraft required to squawk Mode 3A and assigned code and Mode C. **5.** Aircraft not assigned any code shall squawk Mode 3A Code 2000 and Mode C. **6.** Delhi ACC 124.55MHz, 124.2MHz.
▲ DELHI VOR (DPN) 283400.2N 0770542.1E				↓		
A467 (KOLKATA - KATIHAR)						
▲ KOLKATA VOR (CEA) 223842.6N 0882710.4E	345/165 101NM	F460/F100 1800Ft Class D		↑	↓	
▲ ONOTO 241626.1N 0875728.5E	344/164 32NM	F460/F100 2400Ft Class D		↑	↓	**1.** Kolkata ACC 120.1MHz, 126.1MHz, 125.9MHz
▲ BIKIK 244646.9N 0874750.5E	345/165 49NM				↓	
▲ KATIHAR NDB (KH) 253401.7N 0873320.6E	345/165 57NM	F460/F100 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	
▲ VIRATNAGAR NDB (VTN) 262900.0N 0871600.0E						
A474 (DELHI - MURUS)						
▲ *DELHI VOR (DPN)* *283400.2N 0770542.1E*	*213* *55NM*	*F460/F100* *3200Ft* *Class D*			↓	*1. Minimum 10 Min. longitudinal separation applicable based on Mach number technique*
▲ *REBON* *274800.7N 0763120.6E*	*214* *20NM*	*F460/F100* *4100Ft* *Class D*	*20NM*		↓	*2. Delhi ACC* *124.55MHz, 124.2MHz*
▲ *IKABA* *273123.4N 0761850.3E*	*213* *50NM*	*F460/F100* *4100Ft* *ClassD*				
▲ *JAIPUR VOR (JJP)* *264930.7N 0754801.2E*	*199* *54NM*	*F460/F100* *4100Ft* *ClassD*				
▲ *GUDUM* *255800.7N 0752820.7E*	*199* *5NM*	*F460/F100* *3000Ft* *ClassD*				
▲ *NIKOT* *255252.3N 0752623.7E*	*199* *56NM*	*F460/F100* *3000Ft* *Class D*			↓	*3. Ahmedabad ACC* *123.75MHz, 134.2MHz*
▲ *IDOLA* *250001.3N 0750656.6E*	*199* *62NM*	*F460/F100* *3600Ft* *Class D*	*20NM*		↓	
▲ *PRATAPGARH VOR (PRA)* *240147.6N 0744502.8E*	*197* *90NM*	*F460/F100* *3200Ft* *Class D*				*4. Mumbai ACC* *132.7MHz, 120.5MHz*
▲ *BODAR* *223619.1N 0741317.1E*	*204* *93NM*	*F460/F100* *4900Ft* *Class D*			↓	
▲ *SONGARH NDB (SG)* *211002.5N 0733357.4E*	*199* *58NM*	*F460/F100* *3800Ft* *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	
▲ *AKTIV* *201453.3N 0731529.5E*	*199* *73NM*	*F460/F100* *3800Ft* *Class D*			↓	
▲ *MUMBAI VOR (BBB)* *190507.4N 0725231.3E*	*203/023* *129NM*		*40NM*			
▲ *ERVIS* *170527.8N 0720314.2E*	*203/023* *64NM*	***F460/F100*** ***1500Ft*** ***Class D***		↑	↓	*5. Mumbai Radio* *10084KHz, 6661KHz, 4675KHz,* *3443KHz, 8879KHz, 5634KHz,* *5601KHz, 3476KHz*
▲ *OPIRA* *160604.1N 0713858.4E*	*203/023* *112NM*	*F460/F100* *1500Ft* *Class E*	*40M*			
▲ *OSIRI* *142104.6N 0705658.7E*	*203/023* *83NM*	*F460/F100* *1500Ft* *Class E*				
▲ *OTABI* *130304.9N 0702658.9E*	*204/024* *92NM*			↑	↓	
▲ *ODOLI* *113705.4N 0695259.2E*	*203/023* *121NM*					
▲ *ESMIT* *094401.9N 0691019.5E*	*204/024* *160NM*	*F460/F100* *1500Ft* *Class E*	*40NM*		↓	
▲ *POPET* *071342.5N 0681336.0E*	*204/025* *462NM*				↓	
▲ *MONTO* *000008.4N 0653255.2E*	*205/027* *382NM*			↑		
▲ *MURUS* *055950.2S 0631945.2E*					↓	
A589 (DELHI - ASARI)						
▲ DELHI VOR (DPN) 283400.2N 0770542.1E	297 100NM	F460/F270 3000Ft Class D	20NM		↓	**1.** All aircraft to contact 'A' Control on 119.7MHz for identification. **2.** Suitably equipped aircraft required to squawk Mode 3A and assigned code and Mode C. **3.** Aircraft not assigned any code shall squawk Mode 3A Code 2000 and **Mode** C.
▲ BUTOP 291944.8N 0752356.3E	352 89NM				↓	

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	
▲ ASARI 304815.3N 0750931.4E		F460/F270 2400Ft Class D				4. Minimum 10 Min. longitudinal separation applicable based on Mach number technique. 5. Delhi ACC 124.55MHz, 124.2MHz
A599 (CHITTAGONG - LASHIO)						
▲ CHITTAGONG VOR (CTG) 221520.0N 0914930.9E	082/263 52NM	F460/F240 4700Ft Class E	20NM	↑	↓	**1.** Minimum 10 min longitudinal separation applicable based on Mach number technique. **2.** In Indian airspace, east-bound flights must report position CHILA and west-bound flight must report position LASHIO to Kolkata and Dhaka ATC **3.** Kolkata ACC 120.1MHz.
▲ CHILA 222303.0N 0924455.5E						
A791 (TELEM - KOLKATA)						
▲ TELEM 240701.5N 0684559.7E	092 123NM	F460/F075 4400Ft Class D	20NM	↑		1. Ahmedabad ACC 123.75MHz, 134.2MHz
▲ SASRO 240416.6N 0705958.6E	092 92NM	***F460/F075 4400Ft Class D***	20NM		↓	2. Suitably equipped aircraft required to squawk Mode 3A and assigned code and Mode C. 3.aircraft not assigned any code shall squawk mode 3A Code 2000 and mode C. 4.Nagpur ACC 123.9/122.7/133.65 MHz kolkatta ACC 120.1/126.1/125.9 MHz. 5.minimum 10 minutes longitudinal seperation applicable. 6.outside CTA,TMA,CTR Class E airspace. 7.ATC service BETWEEN ARIVO to Jamshedpur VOR (JJS) between FL 200 -FL450(both inclusive).
▲ DAMAK 240058.6N 0724001.8E	***090 58NM***					
▲ ARADO 240136.4N 0734311.3E	**090 56NM**				↓	
▲ PRATAPGARH VOR (PRA) 240147.6N 0744502.8E	108/289 72NM	F460/F075 5200Ft Class D		↑		
▲ EKIGA 234046.8N 0755956.2E	109/289 77NM	***F460/F120 5200Ft Class D***		↑	↓	
▲ BHOPAL VOR (BPL) 231657.9N 0772009.1E	***092/273 75NM***				↓	
▲ DABKI 231425.99N 0784117.65E	***093/273 76NM***				↓	

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	
▲ ASOPO 231109.1N 0800338.3E	094/275 116NM	***F460/F120 5200Ft Class D***				
▲ IBUDA 230402.2N 0820953.3E	093/274 109NM					
▲ ARIVO 225817.3N 0840745.3E	096/276 114NM	F460/F075 5200Ft Class D				
▲ JAMSHEDPUR VOR (JJS) 224844.5N 0861003.4E	095/275 128NM	F460/F075 4600Ft Class D				
▲ KOLKATA VOR (CEA) 223842.6N 0882710.4E						