

ENR 2. AIR TRAFFIC SERVICES AIRSPACE

ENR 2.1 FIR, TMA

Name Lateral limits Vertical limits Clash of airspace	Unit Providing Service	Call sign/ Languages Area and Conditions of use hours of service	Frequency/ Purpose	Remarks
1	2	3	4	5
<p>Kathmandu FIR (VNSM):- All the airspace above an area bounded by the national boundary of Nepal is divided into two sectors, (a) Kathmandu Sector: - All Kathmandu FIR airspace to the East of 083° E longitude <u>UNL</u> GND (b) Nepalgunj Sector: -All Kathmandu FIR airspace to the west of 083° E Longitude, <u>UNL</u> GND</p> <p>Class of Airspace: C - Within controlled Airspace (CTA) TMA, CTR, and Airways G - Outside controlled Airspace</p>	KATHMANDU ACC	Kathmandu Control/ENG 0025-2115**	Primary 126.5 MHZ Secondary 124.7 MHZ	<i>Primary 126.5 MHZ (Operating on offset-carrier mode)</i> <i>Secondary 124.7 MHZ (Operating on offset-carrier mode)</i>
	Above F150 KATHMANDU ACC	Kathmandu Control/ENG 0025-2115**	Primary 126.5 MHZ Secondary 124.7 MHZ	1. -All A/C flying on L626 route and operating above FL150 shall establish two way communication with Kathmandu ACC. 2. All aircrafts at or below 13500 ft. in Nepalgunj sector shall establish two way communication with Nepalgunj Tower.
	At or below 13500 ft. Nepalgunj Tower KATHMANDU RADIO	Nepalgunj Tower/ENG 0015-1300*** KATHMANDU RADIO 0025-2115**	Primary 118.3 MHZ Primary 6607 KHZ Secondary 2923 KHZ	

** From Nov 16 - Feb 15 (0025-2115) UTC : From Feb 16 - Nov 15 (2355 -2115) UTC

*** From Nov 16 - Feb 15 (0045-1215) UTC : From Feb 16 - Nov 15 (0015 -1300) UTC

ENR 2.1.1 FIR, TMA

Name/ Lateral limits/ Vertical limits/ class of airspace	Unit Providing Service	Call Sign/ Languages / Area and conditions of use/ Hours of service	Frequency/purpose	Remarks
1	2	3	4	5
<p>Katmandu TMA</p> <p>Lateral Limits: A circle, with a radius of 50 NM centered at Kathmandu VOR/DME (274025 N 0852055 E) and to the South along Kathmandu FIR boundary and to the North line joining coordinates 280819 N 0843402 E, 275017 N 0852253 E and 275454 N 0861454 E</p> <p><u>FL 460</u> FL 210</p> <p>Class of Airspace: C</p>	Kathmandu ACC	Kathmandu Control/ENG 0025-2115**	Primary 126.5 MHZ (Operating in offset- carrier mode) Secondary 124.7 MHZ (Operating in offset- carrier mode)	
<p>Kathmandu TMA</p> <p>Lateral Limits: as above <u>FL 200</u> 7500ft AMSL</p> <p>Class of airspace : C</p>	Kathmandu Approach	Kathmandu Approach /ENG 0025-2115**	Primary 120.6 MHZ Secondary 125.1 MHZ	
<p>Nepalgunj TMA</p> <p>Lateral Limits: FIR Boundary to the South and arc of a circle of 20 NM radius plus an area enclosed by R050 to FIR Boundary to the South up to 30 NM.</p> <p><u>13500ft AMSL</u> 3000ft AMSL</p> <p>Class of airspace : C</p>	Nepalgunj Tower	Nepalgunj Tower/ ENG 0015-1300***	Primary 118.3 MHZ	

** From Nov 16 - Feb 15 (0025-2115) UTC : From Feb 16 - Nov 15 (2355 -2115) UTC

*** From Nov 16 - Feb 15 (0045-1215) UTC : From Feb 16 - Nov 15 (0015 -1300) UTC

Name/ Lateral Limits/ Vertical limits/class of airspace	Unit Providing Service	Call sign/Languages/ Area and conditions of use/ Hours of service	Frequency/ purpose	Remarks
1	2	3	4	5
<p align="center">Bhairahawa TMA</p> <p>TMA-1 Lateral Dimension From 27°27'04" N 083°04'09" E then along 20 DME arc to 27°45'15" N 083°11'43" E to 27°50'34" N 083°6'34" E, then along 27 DME arc to 27°57'07" N 083°26'47" E to 27°50'06" N 083°26'41" E, then along 20 DME arc to 27°23'17" N 083°47'34" E then along Kathmandu FIR boundary to 27°27'04" N 083°04'09" E. Vertical Dimension <u>FL200</u> 7500ft AMSL</p> <p>TMA-2 Lateral Dimension From 27°27'04" N 83°4'09" E then along 20DME Arc to 27°45'15" N 83°11'43" E to 27°47'32" N 83°9'31" E then along 23 DME counter clock wise arc to 27°27'19" N 83°0' 42" E then along Kathmandu FIR boundary to 27°27'04" N 83°4'09" E. Vertical Dimension <u>FL200</u> 3500ft AMSL</p> <p>TMA-3 Lateral Dimension From 27°27'19" N 83°0'42" E then along 23DME Arc to 27°47'32" N 83°09'31" E to 27°50'34" N 83°06'34" E then along 27 DME counter clock wise arc to 27°29'56" N 82°56'01" E then along Kathmandu FIR boundary to 27°27'19" N 83°00'42" E. Vertical Dimension <u>FL200</u> 4500ft AMSL</p>	<p align="center">Bhairahawa TWR/APCH</p> <p align="center">[(9500ft AMSL) GND]</p> <p align="center">Kathmandu ACC [FL200 10500ft AMSL]</p>	<p align="center">Bhairahawa tower / ENG</p> <p align="center">Bhairahawa approach / ENG/As ATS</p> <p align="center">Kathmandu Control /ENG/ As ATS</p>	<p align="center">Primary 119.55 MHZ Secondary 122.5 MHZ</p> <p align="center">Primary 124.95 MHZ Secondary 123.275 MHZ</p> <p align="center">Primary 126.5 MHz Secondary 124.7 MHz</p>	

<p>TMA-4 Lateral Dimension From 27°34'39" N82°56'27" E then along 27DME Arc to 27°50'34" N 83°06'34" E to 27°56'39" N83°00'40" E then along 35 DME counter clockwise arc to 27°41'12" N82°49'02" E then to 27°34'39" N 82°56' 27" E. Vertical Dimension <u>FL200</u> 5500ft AMSL</p> <p>TMA-5 Lateral Dimension From 27°41'12" N 82°49'02" E then along 35DME Arc to 27°56' 39" N 83°00'40" E to 28°01'13" N 82°56'16" E then along 41 DME counter clockwise arc to 27°45'50" N 82°43'46" E then to 27°41'12" N 82°49'02" E. Vertical Dimension <u>FL200</u> 6500ft AMSL</p> <p>TMA-6 Lateral Dimension From 27°50'34" N 83°06'34" E then along 27DME Arc to 27°54'35" N 83°13'33" E to 28°07'18" N 83°06'51" E then along 41 DME counter clockwise arc to 28°01'13" N 82°56'16" E then to 27°50'34" N 83°06'34" E. Vertical Dimension <u>FL200</u> 7500ft AMSL</p> <p>TMA-7 Lateral Dimension From 27°57'07" N 83°26'47" E to 27°50'06" N 83°26'41" E then along 20DME Arc to 27°23'17" N 83°47'34" E then along FIR boundary to 27°26'53" N 83°56'34" E then along 27DME counter clockwise arc to 27°57'07" N 83°26'47" E. Vertical Dimension <u>FL200</u> 6500ft AMSL</p>	<p>Bhairahawa TWR/APCH [(9500ft AMSL) GND] Kathmandu ACC [<u>FL200</u> 10500ft AMSL]</p>	<p>Bhairahawa tower / ENG Bhairahawa approach / ENG/As ATS Kathmandu Control /ENG/ As ATS</p>	<p>Primary 119.55 MHZ Secondary 122.5 MHZ Primary 124.95 MHZ Secondary 123.275 MHZ Primary 126.5 MHz Secondary 124.7 MHz</p>	
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<p>TMA-8 Lateral Dimension From 27°43'12" N 83°52'57" E then along 27DME Arc to 27°26'53" N 83°56'34" E then along FIR boundary to 27°31'18" N 84°06' 39" E to 27°31'48" N 84°25'28" E then along 50DME Arc KTM to 27°44' 24" N84°24'46" E to 27°46'07" N 83°58'52" E to 27°43'12" N 83°52'57" E. Vertical Dimension <u>FL250</u> 7500ft AMSL</p>	<p>Bhairahawa TWR/APCH [(9500ft AMSL)] GND Kathmandu ACC [<u>FL250</u>] 10500ft AMSL</p>	<p>Bhairahawa tower / ENG Bhairahawa approach / ENG/As ATS Kathmandu Control /ENG/ As ATS</p>	<p>Primary 119.55 MHZ Secondary 122.5 MHZ Primary 124.95 MHZ Secondary 123.275 MHZ Primary 126.5 MHz Secondary 124.7 MHz</p>	
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