

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	Primary 126.5 MHZ (Operating on offset-carrier mode) Secondary 124.7 MHZ (Operating on offset-carrier mode)
	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 Limts/ 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">Kathmandu TMA</p> <p>Lateral Limits : An arc with a radius of 50 NM centered at Kathmandu VOR/DME (274025N 0852055E) and to the South along Kathmandu FIR boundary and to the North line joining coordinates 281032N 0843547 E, 275017 N 0852253 E and 275454 N 0861454 E</p> <p align="center"><u>FL460</u> <u>FL210</u></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 align="center">Kathmandu TMA</p> <p>Lateral Limits : as above</p> <p align="center"><u>FL200</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 align="center">Nepalgunj TMA</p> <p>Lateral Limits : FIR Boundary to the South and arc of a circle of 20NM radius plus an area enclosed by R050 to FIR Boundary to the South up to 30 NM</p> <p align="center"><u>13500ft AMSL</u> <u>3000ft AMSL</u></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 style="text-align: center;">Bhairahawa TMA</p> <p>TMA-1 Lateral Dimension From 272704N 0830409E then along 20 DME arc to 274515N 0831143E to 275121N 0830551E, then along 28 DME arc to 275807N 0832613E to 275006N 0832616E, then along 20 DME arc to 272317N 0834734E then along Kathmandu FIR boundary to 272704N 0830409E. Vertical Dimension <u>FL 200</u> 7500ft AMSL</p> <p>TMA-2 Lateral Dimension From 272704N 0830409E then along 20DME Arc to 274515N 0831143E to 274732N 0830931E then along 23 DME arc to 272719N 0830042E then along Kathmandu FIR boundary to 272704N 0830409E. Vertical Dimension <u>FL 200</u> 3500ft AMSL</p> <p>TMA-3 Lateral Dimension From 272719N 0830042E then along 23DME Arc to 274732N 0830931E to 275121N 0830551E then along 28 DME arc to 273005N 0825454E then along Kathmandu FIR boundary to 272719N 0830042E. Vertical Dimension <u>FL200</u> 4500ft AMSL</p>	<p>Bhairahawa APP</p> <p>Kathmandu ACC</p>	<p>Bhairahawa Approach / ENG / As ATS</p> <p>Kathmandu Control/ENG/ As ATS</p>	<p>Primary 124.95 MHz Secondary 123.275 MHz</p> <p>Primary 126.5 MHz Secondary 124.7 MHz</p>	<p>Bhairahawa Approach : [9500ft Lower limit of TMA]</p> <p>Kathmandu Control : [Upper Limit of TMA Above 9500ft]</p> <p>Note : Other level arrangements between two units will be addressed by the LOA.</p>

<p>TMA-4 Lateral Dimension From 273530N 0825529E then along 28DME Arc to 275121N 0830551E to 275639N 0830040E then along 35 DME to 274112N 0824902E then to 273530N 0825529E. Vertical Dimension <u>FL200</u> 5500ft AMSL</p> <p>TMA-5 Lateral Dimension From 274112N 0824902E then along 35DME Arc to 275639N 0830040E to 280113N 0825616E then along 41 DME arc to 274550N 0824346E then to 274112N 0824902E. Vertical Dimension <u>FL200</u> 6500ft AMSL</p> <p>TMA-6 Lateral Dimension From 275121N 0830551E then along 28DME Arc to 275529N 0831304E to 280718N 0830651E then along 41 DME arc to 280113N 825616E then to 275121N 0830551E. Vertical Dimension <u>FL200</u> 7500ft AMSL</p> <p>TMA-7 Lateral Dimension From 275807N 0832613E to 275006N 0832616E then along 20DME Arc to 272317N 0834734E then along FIR boundary to 272635N 0835739E then along 28DME arc to 275807N 0832613E. Vertical Dimension <u>FL200</u> 6500ft AMSL</p>	<p>Bhairahawa APP</p> <p>Kathmandu ACC</p>	<p>Bhairahawa Approach / ENG / As ATS</p> <p>Kathmandu Control/ENG/ As ATS</p>	<p>Primary 124.95 MHz Secondary 123.275 MHz</p> <p>Primary 126.5 MHz Secondary 124.7 MHz</p>	<p>Bhairahawa Approach : [9500ft Lower limit of TMA]</p> <p>Kathmandu Control : [Upper Limit of TMA Above 9500ft]</p> <p>Note : Other level arrangements between two units will be addressed by the LOA.</p>
--	--	--	--	--

<p>TMA-8 Lateral Dimension From 275419N 0834214E then along 28DME Arc to 272635N 0835739E then along FIR boundary to 273117N 0840629E to 273148N 0842528E then along 50DME Arc KTM to 274656N 0842503E to 275419N 0834214E.</p> <p>Vertical Dimension <u>FL250</u> 7500ft AMSL</p>	<p>Bhairahawa APP</p> <p>Kathmandu ACC</p>	<p>Bhairahawa Approach / ENG / As ATS</p> <p>Kathmandu Control/ENG/ As ATS</p>	<p>Primary 124.95 MHz Secondary 123.275 MHz</p> <p>Primary 126.5 MHz Secondary 124.7 MHz</p>	<p>Bhairahawa Approach : [<u>9500ft</u> Lower limit of TMA]</p> <p>Kathmandu Control : [<u>Upper Limit of TMA</u> Above 9500ft]</p> <p>Note : Other level arrangements between two units will be addressed by the LOA.</p>
<p style="text-align: center;">Pokhara TMA</p> <p>TMA-1 Lateral Dimension From 281507N 0841048E then along 11 DME arc to 282121N 0835228E to 282447N 0835008E, then along 15 DME arc to 275722N 0835431E to 275229N 0835302E, then along 20 DME arc to 281744N 0842034E then to 281507N 0841048E.</p> <p>Vertical Dimension <u>FL200</u> 11500ft AMSL</p> <p>TMA-2 Lateral Dimension From 282243N 0834705E to 282743N 0832720E then along 32DME arc to 275807N 0832615E then along 28DME arc BWA to 275419N 0834214E to 275229N 0835302E then to 275722N 0835431E then along 15 DME clockwise arc to 282243N 0834705E</p> <p>Vertical Dimension <u>FL200</u> 12500ft AMSL</p>	<p>Pokhara APP</p> <p>Kathmandu ACC</p>	<p>Pokhara APP / ENG As per ATS</p> <p>Kathmandu Control/ENG/ As ATS</p>	<p>Primary 125.200 MHz Secondary 120.550MHz</p> <p>Primary 126.5 MHz Secondary 124.7 MHz</p>	<p>Pokhara Approach : [<u>9500ft</u> Lower limit of TMA]</p> <p>Kathmandu Control : [<u>Upper Limit of TMA</u> Above 9500ft]</p> <p>Note : Other level arrangements between two units will be addressed by the LOA.</p>

<p>TMA-3 Lateral Dimension From 275229N 0835302E then along 20DME Arc to 281343N 0842126E to 281227N 0842711E then along 25 DME arc to 274921N 0841114E then to 275229N 0835302E. Vertical Dimension <u>FL200</u> 6500ft AMSL</p> <p>TMA-4 Lateral Dimension From 281227N 0842711E then along 25DME Arc to 274921N 0841114E to 274656N 0842503E then along 50 DME Arc KTM to 281032N 0843547E then to 281227N 0842711E. Vertical Dimension <u>FL200</u> 7500ft AMSL</p>	<p>Pokhara APP</p> <p>Kathmandu ACC</p>	<p>Pokhara APP / ENG As per ATS</p> <p>Kathmandu Control/ENG/ As ATS</p>	<p>Primary 125.200 MHZ Secondary 120.550MHZ</p> <p>Primary 126.5 MHz Secondary 124.7 MHz</p>	<p>Pokhara Approach : [<u>9500ft</u> Lower limit of TMA]</p> <p>Kathmandu Control : [<u>Upper Limit of TMA</u> Above 9500ft]</p> <p>Note : Other level arrangements between two units will be addressed by the LOA.</p>
---	---	--	--	---