

ANNEXURE-2

TABLES

Table-1: Comparison of CZMP 2011 and draft CZMP based on CRZ Notification 2019 in Thiruvananthapuram

Local Bodies under CRZ (CZMP 2011)	Local Bodies under CRZ (CZMP 2019)	Remarks
<p>Corporation: (1) Thiruvananthapuram</p> <p>Municipalities: (2) Varkala, Attingal</p> <p>Grama Panchayats: (23) Anchuthengu, Edava, Vakkom, Vettoor, Azhoor, Cherunniyoor, Chirayinkeezhu, Kadakkavoor, Kadinamkulam, Kizhuvilam, Manamboor, Mangalapuram, Ottoor, Andoorkonam, Venganoor, Elakamon, Chenkal, Karode, Karumkulam, Kottukal, Kulathoor, Poovar, Thirupuram</p>	<p>Corporation: (1) Thiruvananthapuram</p> <p>Municipalities: (2) Varkala, Attingal</p> <p>Grama Panchayats: (23) Anchuthengu, Edava, Vakkom, Vettoor, Azhoor, Cherunniyoor, Chirayinkeezhu, Kadakkavoor, Kadinamkulam, Kizhuvilam, Manamboor, Mangalapuram, Ottoor, Andoorkonam, Venganoor, Elakamon, Chenkal, Karode, Karumkulam, Kottukal, Kulathoor, Poovar, Thirupuram</p> <p>Other Legally Designated urban areas: (9) Andoorkonam, Chenkal, Chirayinkeezhu, Kadakkavoor, Karumkulam, Kottukal, Mangalapuram, Vakkom, Venganoor.</p> <p>Areas with Atomic Mineral Deposits: (3) Karumkulam, Chirayinkeezhu, Kottukal</p>	<ul style="list-style-type: none"> ➤ All coastal villages of Thiruvananthapuram are categorized as CRZ III A as per CRZ Notification 2019. In such areas NDZ of 50 meters from the HTL as against 200 meters from the HTL stipulated in the previous CRZ Notification, 2011. ➤ As per CRZ Notification 2019, 50m NDZ/CRZ limit (for tidal water bodies) has been demarcated instead of 100m in the previous notification; however, retain width of the creek less than 50m. ➤ The islands are buffered with 50 m or width of the creek whichever is less and 20m CRZ line landward of HTL is also depicted in the map which will be considered only after IIMP is implemented. ➤ 32 islands are listed as per the CRZ Notification 2019 ➤ Other legally designated urban areas' as per the CRZ Notification 2019, the Panchayats that met the criteria of builtup area and developmental infrastructure are categorised as CRZ II. ➤ The areas specified by the Department of Atomic Energy are classified as CRZ IIIA or CRZ IIIB.

Table-2: Village-wise population statistics for identifying the CRZ-III A category – Thiruvananthapuram.

Sl. No:	Village	Population	Area (Km²)	Population density/Sq.km	Category	Grama Panchayat	Remarks/Source
1	Edava	25994	9.14	2843.98	CRZ III A	Edava	Census 2011, Part B
2	Vettoor	18704	6.82	2742.52	CRZ III A	Vettoor	Census 2011, Part B
3	Anjuthengu	30781	2.85	10800.35	CRZ III A	Anjuthengu	Data from Village Office
4	Sarkara-Chirayinkeezhu	29907	10.94	2733.73	CRZ III A	Chirayinkeezhu	Census 2011, Part B
5	Kadinamkulam	28868	10.23	2821.90	CRZ III A	Kadinamkulam	Census 2011, Part B
6	Menamkulam	17608	8.05	2187.33	CRZ III A	Kadinamkulam	Census 2011, Part B
7	Kottukal	46915	16.33	2872.93	CRZ III A	Karumkulam	Census 2011, Part B
8	Karumkulam	27481	3.24	8481.79	CRZ III A	Karumkulam	Census 2011, Part B
9	Poovar	17195	6.43	2674.18	CRZ III A	Poovar	Computed
10	Kulathoor	32394	12.81	2528.81	CRZ III A	Kulathoor	Census 2011, Part B

Table-3: CRZ details in Local bodies of Thiruvananthapuram District

Local body	HTL Length (Km)		CRZ IA (Km ²)			CRZ IB (Km ²)	CRZ II (Km ²)		CRZ III (Km ²)				CRZ IVB (Km ²)
	Along Coast	Along Creek	Archaeological Heritage Site	Mangroves	50 Mangrove Buffer Zone	Along Coast	Along Creek	NDZ		CRZ IIIA (50-500m)	CRZ IIIB (200-500m)		
								Along Coast	Along Creek				
Elakamon		16.97					0.002588		0.473112				1.526039
Edava	4.97	4.48				0.148986	0.000099		0.201532	0.31483	1.918663		0.1665
Varkala Municipality	4.27	14.81				0.162146	1.950569	0.223565					0.133467
Vettoor	2.95	6.33				0.208508	0.000018		0.139187	0.113028	1.220629		0.054226
Cherunniyoor		7.34				0.03484				0.304682			0.512945
Ottoor		0.04								0.016956			0.000275
Manamboor		10.66		0.000116		0.03458				0.419105			2.137686
Anchuthengu	5.8	17.64		0.003246		0.433556			0.289705	0.54168	1.591449		1.078663
Vakkom		2.52		0.000844		0.003166		0.223874		0.006458			0.008774
Kadakkavoor		7.71				0.57	0.413416	0.337411					0.221589
Attingal Municipality		5.19						0.258153					0.106426
Chiriyankkeezhu	5.26	45.7		0.000277		0.38138	0.334097	0.559015	0.21469	0.488724	0.835682		1.209618
Kizhuvilam		6.73						0.003193		0.184436			0.122344
Azhoor		14.3		0.000741		0.106114				0.478906	0.142922		0.465932
Kadinamkulam	10.03	48.29		0.004055		1.03507	0.000628	0.130318	0.500843	1.126378	4.35144		3.015911

Mangalapuram		2.87				0.006746		0.14356		0.000092			0.017691
Andoorkonam		1.76						0.023018					0.006795
Thiruvananthapuram Corporation	29.06	81.67	0.00076	0.000527		1.668079	13.260243	1.893489					1.965225
Venganoor							0.031333						
Kottukal	2.81	3.34				0.363918	1.313408	0.04917		0.000283	0.014248		0.04489
Karumkulam	4.65	0.36				0.344906	1.091627		0.063368		1.153319		0.021829
Poovar	2.08	9.86		0.001407		0.199704			0.100136	0.30727	0.632264		0.035138
Thirupuram		1.98								0.086963			0.035138
Chenkai		0.89						0.036273					0.017307
Kulathoor	2.04	21.36				0.193596			0.101066	0.618082	0.635291		0.354134
Karode		0.16								0.018004	0.126282		0.00047
SUB TOTAL	73.92	332.96	0.00076	0.011213	0	5.330981	18.395438	3.883627	1.610527	5.498989	12.622189	0	13.548781
TOTAL	406.88	0.00076	0.011213	0	5.330981	22.279065	7.109516	12.622189	0	13.548781			

Table-4: CRZ details in Villages of Thiruvananthapuram District

Local body	Villages	HTL Length (Km)		CRZ IA (Km ²)			CRZ IB (Km ²)	CRZ II (Km ²)		CRZ III (Km ²)				CRZ IVB (Km ²)
		Along Coast	Along Creek	Archaeological Heritage Site	Mangroves	50m Mangrove Buffer Zone		Along Coast	Along Creek	NDZ		CRZ IIIA	CRZ IIIB	
										Along Coast	Along Creek	(50-500m)	(200-500m)	
Elakamon	Ayiroor		16.97					0.002588		0.473112				1.526039
Edava	Edava	4.97	4.48				0.148986	0.000099		0.201532	0.31483	1.918663		0.1665
Varkala Municipality	Varkala	4.27	14.81				0.162146	1.950569	0.223565					0.133467
Vettoor	Vettoor	2.95	6.33				0.208508	0.000018		0.139187	0.113028	1.220629		0.054226
Cherunniyoor	Cherunniyoor		7.34				0.03484				0.304682			0.512945
Ottoor	Ottoor		0.04								0.016956			0.000275
Vakkom	Vakkom		2.52		0.000844		0.003166		0.223874		0.006458			0.008774
Manamboor	Manamboor		10.66		0.000116		0.03458				0.419105			2.137686
Kadakkavoor	Kadakkavoor		1.85				0.005686	0.413416	0.046234					0.008529
	Keezhattingal		5.86						0.291177					0.21306
Anchuthengu	Anchuthengu	5.8	17.64		0.003246		0.433556			0.289705	0.54168	1.591449		1.078663

Attingal Municipality	Attingal-Avananvancheri		4.83					0.238226					0.095741
	Alamcode		0.36					0.019927					0.010685
Chirayankeezhu	Sarkara-Chirayankeezhu	5.26	45.7		0.000277		0.38138	0.334097	0.559015	0.21469	0.488724	0.835682	1.209618
Kizhuvilam	Kizhuvilam-Koonthalloor		6.73						0.003193		0.184436		0.122344
Azhoor	Azhoor		14.3		0.000741		0.106114				0.478906	0.142922	0.465932
Kadinamkulam	Kadinamkulam	5.17	38.12		0.004055		0.665491		0.130318	0.258297	0.923248	2.15623	2.91255
	Menamkulam	4.86	10.17				0.369579	0.000628		0.242546	0.20313	2.19521	0.103361
Mangalapuram	Veiloor		2.87				0.006746		0.14356		0.000092		0.017691
Andoorkonam	Pallipuram		1.76						0.023018				0.006795
Thiruvananthapuram Corporation	Attipra	5.38	19.82		0.000527		0.526956	2.567725	0.448119				0.926673
	Cheruvakkal		0.79				0.001383		0.048896				0.000114
	Kadakampally	3.46	10.01				0.271491	1.731594	0.321025				0.132068
	Pettah	2.41	5.62				0.14967	1.210211	0.13066				0.068252
	Muttathara	4.76	13.28				0.250644	2.69174	0.200331				0.196985
	Manacaud		7.38						0.310982				0.080426
	Thycaud		0.1						0.008197				0.001369
	Nemom		8.7						0.235034				0.164511
	Thirumala		0.16						0.009381				0.002859
	Thiruvallam	2.88	14.85				0.160135	1.664134	0.180863				0.391968
Vizhinjam	10.17	0.96	0.00076			0.3078	3.394839	0.000001					
Venganoor	Venganoor						0.031333						
Kottukal	Kottukal	2.81	3.34				0.363918	1.313408	0.04917		0.000283	0.014248	0.04489
Karunkulam	Karunkulam	4.65	0.36				0.344906	1.091627		0.063368		1.153319	0.021829
Thirupuram	Thirupuram		1.98								0.086963		0.035138
Chenkal	Chenkal		0.89						0.036273				0.017307

Poovar	Poovar	2.08	9.86		0.001407		0.199704			0.100136	0.30727	0.632264		0.324907
Kulathoor	Kulathoor	2.04	21.36				0.193596			0.101066	0.618082	0.635291		0.354134
Karode	Karode		0.16								0.018004	0.126282		0.00047
SUB TOTAL		73.92	332.96	0.00076	0.011213	0	5.330981	18.395438	3.883627	1.610527	5.498989	12.622189	0	13.548781
TOTAL		406.88		0.00076	0.011213	0	5.330981	22.279065		7.109516		12.622189	0	13.548781

Table-5: List of Backwater Islands in Thiruvananthapuram District

Island No	Localbody	Latitude	Longitude	Area (Km ²)
1	Kulathoor Grama Panchayat	8° 18' 26.945" N	77° 5' 5.359" E	0.015719
2	Kulathoor Grama Panchayat	8° 18' 35.431" N	77° 4' 55.797" E	0.398312
3	Poovar Grama Panchayat	8° 18' 40.608" N	77° 4' 28.527" E	0.00933
4	Poovar Grama Panchayat	8° 18' 46.437" N	77° 4' 29.080" E	0.154149
5	Kulathoor Grama Panchayat	8° 18' 51.963" N	77° 4' 38.038" E	0.057236
6	Kulathoor Grama Panchayat	8° 18' 57.628" N	77° 4' 31.663" E	0.101167
7	Kulathoor Grama Panchayat	8° 18' 51.680" N	77° 4' 42.621" E	0.003218
8	Thiruvananthapuram Municipal Corporation	8° 24' 41.495" N	76° 58' 4.914" E	0.014255
9	Thiruvananthapuram Municipal Corporation	8° 25' 42.208" N	76° 57' 24.850" E	0.025568
10	Thiruvananthapuram Municipal Corporation	8° 26' 10.893" N	76° 57' 10.084" E	0.659657
11	Thiruvananthapuram Municipal Corporation	8° 26' 40.067" N	76° 57' 17.307" E	0.075155
12	Kadinamkulam Grama Panchayat	8° 35' 34.493" N	76° 50' 12.959" E	0.053563
13	Chirayinkeezhu Grama Panchayat, Azhoor Grama Panchayat, Kadinamkulam Grama Panchayat	8° 37' 10.055" N	76° 48' 15.689" E	0.231081
14	Azhoor Grama Panchayat	8° 37' 20.936" N	76° 48' 15.807" E	0.021846
15	Azhoor Grama Panchayat	8° 37' 24.298" N	76° 48' 15.157" E	0.006559
16	Azhoor Grama Panchayat	8° 37' 22.994" N	76° 48' 12.803" E	0.003159
17	Azhoor Grama Panchayat	8° 37' 22.125" N	76° 48' 11.766" E	0.001338
18	Chirayinkeezhu Grama Panchayat, Azhoor Grama Panchayat	8° 37' 18.497" N	76° 48' 7.148" E	0.031105
19	Chirayinkeezhu Grama Panchayat, Azhoor Grama Panchayat	8° 37' 27.057" N	76° 48' 4.037" E	0.207768
20	Chirayinkeezhu Grama Panchayat, Azhoor Grama Panchayat	8° 37' 49.433" N	76° 47' 47.440" E	0.806022
21	Chirayinkeezhu Grama Panchayat	8° 38' 6.543" N	76° 47' 26.684" E	0.110485
22	Chirayinkeezhu Grama Panchayat	8° 38' 15.571" N	76° 47' 36.543" E	0.05484

23	Chirayinkeezhu Grama Panchayat	8° 38' 22.221" N	76° 47' 34.840" E	0.010107
24	Chirayinkeezhu Grama Panchayat	8° 38' 28.700" N	76° 47' 14.923" E	0.607126
25	Chirayinkeezhu Grama Panchayat	8° 38' 42.599" N	76° 46' 55.176" E	0.035474
26	Chirayinkeezhu Grama Panchayat	8° 38' 32.589" N	76° 47' 0.593" E	0.090567
27	Chirayinkeezhu Grama Panchayat	8° 38' 58.697" N	76° 47' 31.704" E	0.009374
28	Chirayinkeezhu Grama Panchayat	8° 39' 49.042" N	76° 46' 33.020" E	0.083911
29	Anchuthengu Grama Panchayat,Kadakkavoor Grama Panchayat,Chirayinkeezhu Grama Panchayat	8° 39' 18.761" N	76° 46' 22.945" E	0.204914
30	Anchuthengu Grama Panchayat,Kadakkavoor Grama Panchayat	8° 39' 27.632" N	76° 46' 12.053" E	0.016695
31	Anchuthengu Grama Panchayat	8° 41' 55.693" N	76° 44' 49.407" E	0.01941
32	Elakamon Grama Panchayat	8° 46' 36.203" N	76° 42' 26.068" E	0.008613