

Annexure 8 A

Five Year Plan – Proposed Features, Assumptions and Provision Assessment – Auroville Residential Population and Related Supporting Manpower Requirements

SI No	Zone	Auroville resident population	Families	HH workers	Gardener	Construction work / year (Sqm)	Construction workers	Miscellaneous approx 5% of AV population	Total
		1	2	3	4	5	6	7	8
	Zone/Area	Nos	@2.5 persons/family	@1 worker/2families	@1 worker/10families	@48 sqm/person	@3 workers/100 sqm	@5% of AV population	(3+4+6+7)
1	Residential	3750	1500	750	150	36000	1080	187	2167
2	Cultural	100	40	20	4	960	28	5	57
3	Industrial	300	120	60	12	2880	86	15	173
4	International	100	40	20	4	960	28	5	57
5	City Centre - Res - Crown	25	10	5	1	240	7	1	14
6	City Centre - Cul - Crown	25	10	5	1	240	7	1	14
7	City Centre - Ind - Crown	25	10	5	1	240	7	1	14
8	City Centre - Inter - Crown	25	10	5	1	240	7	1	14
9	City Centre - Adm								
10	City Centre - Vocational								
11	City Centre - Habitat	350	140	70	14	3360	101	18	202
12	City Centre - CIRHU								
13	City Centre - Cul-inside								
14	City Centre - Inter-inside								
15	Green Belt	300	120	60	12	2880	86	15	173

Total	5000	2000	1000	200	48000	1437	249	2885
-------	------	------	------	-----	-------	------	-----	------

Annexure 8 B

Five Year Plan – Proposed Features, Assumptions and Provision Assessment – Auroville’s Working Population Projections

SI No	Zone	Auroville resident population	Farming	Industry	Cottage Industry	Economic	Collective	Administration	Education	Research	Total	Grand Total
		1	9	10	11	12	13	14	15	16	17	18
											Sum of (9 -16)	(8+17)
1	Residential	3750				210	249		79		538	2705
2	Cultural	100				40	100		373	145	658	715
3	Industrial	300		2100	1120	560	100		79	70	4029	4202
4	International	100				20	50		29	35	134	191
5	City Centre - Res - Crown	25				140	150	21		35	371	360
6	City Centre - Cul - Crown	25				30	100	21		50	226	215
7	City Centre - Ind - Crown	25			98	350	80	21		70	644	633
8	City Centre - Inter - Crown	25				30	50	21			126	115
9	City Centre - Adm						20	315		35	370	370
10	City Centre - Vocational				42			8	39	70	159	159
11	City Centre - Habitat	350					30				380	232
12	City Centre - CIRHU						20	13	50	70	153	153
13	City Centre - Cul-inside								100	50	150	150
14	City Centre - Inter-inside					20	30				50	50
15	Green Belt	300	525		140		20		39	70	1094	967
	Total	5000	525	2100	1400	1400	999	420	788	700	9082	11217

Annexure 8 C

Five Year Plan – Proposed Features, Assumptions and Provision Assessment – Auroville’s Infrastructure Requirement Projections

Sl No	Zone	Auroville resident population	Area reqd for main work force (in sqm)	Total BUA required (in sqm)	Total water required (in lit/day)	Total waste water received (in lit/day)	Total energy required (in KW)	Total solid waste collection (in Kg)	Total water demand per year (in liters)	Total water extracted from aquifer/year (in liters)	R.W. harvesting/recycled water per year (in lts)*	Total rainwater harvesting (in lit/year)	Total recycled waste water(in lit/year)
		1	19	20	21	22	23	24	25	26	27	28	29
			17*10 sqm/workers	5*5+19	$1*150+8*50+17*25+(20/365)*100$	21*80%	$1*0.8+(5*5/100)*0.5+(17+20)*0.37$	$1*0.35+(5*5)*5+17*0.1+20*1$	21*365/100000	25*50%	25*50%	$((20/2-(20/2*0.05))*1.2*1,000/100,000$	$22*0.8*365/100,000$
1	Residential	3,750	5,380	185,380	667,476	533,981	4901	902,067	243,600,000	121,800,000	121,800,000	105,600,000	155,900,000
2	Cultural	100	6,580	11,380	19,562	15,650	368	24,698	7,100,000	35000	3,500,000	6,400,000	4,500,000
3	Industrial	300	40,290	54,690	64,318	51,454	1866	76,151	23,400,000	11,700,000	11,700,000	31,100,000	15,000,000
4	International	100	1,340	6,140	18,127	14,501	174	24,174	6,600,000	3,300,000	3,300,000	3,500,000	4,200,000
5	City Centre - Res - Crown	25	3,460	4,660	5,388	4,310	159.37	6,356	1,967,000	197,000	983,000	2,656,000	1,259,000
6	City Centre - Cul - Crown	25	2,010	3,210	4,991	3,993	105.72	6,211	1,822,000	182,000	911,000	1,830,000	1,166,000
7	City Centre - Ind - Crown	25	6,190	7,390	6,136	4,909	260.38	6,629	2,240,000	224,000	1,120,000	4,212,000	1,433,000
8	City Centre - Inter - Crown	25	1,010	2,210	4,717	3,773	68.72	6,111	1,722,000	172,000	861,000	1,260,000	1,102,000
9	City Centre - Adm		3,700	3,700	1,014	811	136.90	370	370,000	37,000	185,000	2,109,000	237,000
10	City Centre - Vocational		1,590	1,590	436	348	58.83	159	159,000	16,000	80,000	906,000	102,000
11	City Centre - Habitat	350	300	17,100	62,242	49,794	449.95	84,172	22,718,000	2,272,000	11,359,000	9,747,000	14,540,000
12	City Centre - CIRHU		1,530	1,530	419	335	56.61	153	153,000	15,000	77,000	872,000	98,000
13	City Centre - Cul-inside		1,500	1,500	411	329	55.50	150	150,000	15,000	75,000	855,000	96,000
14	City Centre - Inter-inside		500	500	137	110	18.50	50	50,000	5,000	25,000	285,000	32,000

15	Green Belt	300	7940	22,340	55,456	44,364	669.94	72,916	20,241,000	2,024,000	10,121,000	12,734,000	12,954,000
	Total	5,000	83,320	323,320	910,828.72	728,662.58	9,349.41	1,210,367.00	332,291,000	145,459,000	166,096,000	184,066,000	212,618,000