

## **Water Tariff Tables**

**AT-1**  
**Water Tariff and Connection Charges**  
**Andhra Pradesh**

**AT-1: Water Tariff and Connection Charges, 1999**

Andhra Pradesh

Sl. No.	City/Town	Cost of production of water (1997-98)*	Domestic			Non-Domestic	
			Metered		Unmetered	Metered	
			Consumption based rates			Flat rate (Rs./year)	Volumetric rate (Rs./KI/month)
			Rs./kl	Volumetric rate (Rs./KI/month)	Increasing block tariff (Rs./month)		
1	Hyderabad	5.96		Min. 55/month upto 15 kl	1680		Min. 200 to 2000 per month
				3.75/kl for 15 - 25 kl			8.00/kl upto 50 kl
				6.00/kl for 25 - 500 kl			10.00/ kl - for 50 to 500 kl
				14.00/kl above 500 kl			13.00/ kl - for 500 to 1500 kl
							15.00/kl - above 1500 kl
2	Vishakhapatnam	6.60	5.00	Min. 150.00 per month	480		
3	Vijayawada	1.10	5.75		480		
4	Warangal		5.00		720		
5	Guntur	2.97			720		
6	Nellore	15.00	1.50		480		
7	Rajahmundry	1.70			720		
8	Kakinada	1.66			720		
9	Nizamabad	n.a.			720		
10	Kurnool	7.00			720	20.00	
11	Ananthapuram	0.97			480		
12	Qutbullapur	1.75			720		
13	Eluru	1.01			480		
14	Tirupati	3.84	2.25		720		
15	Machilipatnam	2.60			480		
16	Ongole	n.a.			720		
Source: NIUA Survey, 1999		* Estimated by respective local governments/authorities					

**AT-1: Water Tariff and Connection Charges, 1999**

Andhra Pradesh

Sl. No.	City/Town	Industrial		Commercial				Institutional	
		Metered	Unmetered	Metered	Unmetered		Metered	Unmetered	
		Volumetric rate (Rs./KI/ month)	Flat rate (Rs./year)	Volumetric rate (Rs./KI/ month)	Ferrule based rates		Others	Volumetric rate (Rs./KI/ month)	Others
					Ferrule size	Rs./year	Flat rate (Rs./year)		Flat rate (Rs./year)
1	Hyderabad								
2	Vishakhapatnam	12.00 (treated) 5.00 (untreated)	Min. 12000	10.00			Min. 12000	10.00	
3	Vijayawada	-		10.50				-	
4	Warangal	10.00		10.00					
5	Guntur	n.a.		n.a.				n.a.	
6	Nellore	10.00		10.00				10.00	
7	Rajahmundry	n.a.		n.a.				n.a.	
8	Kakinada	12.50		12.50				-	
9	Nizamabad	n.a.			1/2"	1524		n.a.	
					3/4"	8420			
					1"	6084			
					2"	21420			
10	Kurnool								
11	Ananthapuram	10.00		10.00				10.00	
12	Qutbullapur	10.00		4.00				4.00	
13	Eluru	-		10.00				-	
14	Tirupati	15.00		15.00				15.00	
15	Machilipatnam	-		10.00				10.00	
16	Ongole	15.00		15.00					
Source: NIUA Survey, 1999									

**AT-1: Water Tariff and Connection Charges, 1999**

Andhra Pradesh

Sl. No.	City/Town	One time water connection charges (in Rs.)					Year of last revision	Water tax			
		Domestic	Industrial	Commercial	Institutional	Others (specify)					
1	Hyderabad	900 to 16000 for 1/2" dia depending upon plot size	5.00 per litre of agreed quantity of water			1.75 per litre of agreed quantity of water	n.a.	n.a.			
		11000 to 26000 for 3/4" dia depending upon plot size									
		33000 to 40000 for 1" dia depending upon plot size									
2	Vishakhapatnam	4000	n.a.	15000	15000	30000 (Semi-bulk)	1993	5.3% of ARV for domestic, 7% of ARV for non-domestic			
3	Vijayawada	4000 - ordinary 7000 - urgent	-	10000 - ordinary 17000 - urgent			n.a.	n.a.			
4	Warangal	6000	n.a.	n.a.	n.a.		1998	7% of ARV			
5	Guntur	7000 - ordinary 10500 - urgent		15000 - 26000 - ordinary 26000 - 63000 - urgent			1998	n.a.			
6	Nellore	n.a.	n.a.	n.a.	n.a.		1998	No			
7	Rajahmundry	6000	16000				1998	4% of ARV			
8	Kakinada	4000 - ordinary 7000 - urgent	20000 - ordinary 200000 - urgent	10000 - ordinary 24000 - urgent			n.a.	4% of ARV			
9	Nizamabad	n.a.	n.a.	n.a.	n.a.		1997	n.a.			
10	Kurnool	6000	20000	20000	20000		1999	No			
11	Ananthapuram	6000	15000	15000	15000		1998	n.a.			
12	Qutbullapur	900 to 16000 for 1/2" dia depending upon plot size	5.00 per litre of agreed quantity of water			1.75 per litre of agreed quantity of water	1997	No			
		11000 to 26000 for 3/4" dia depending upon plot size									
		33000 to 40000 for 1" dia depending upon plot size									
13	Eluru	4000	-	10000	-		1993	n.a.			
14	Tirupati	600 for metered 4800 for unmetered	-	5400	5400		1998	No			
15	Machilipatnam	6000	-	10000	-		1998	n.a.			
16	Ongole	6000	10000	n.a.			1997	n.a.			
Source: NIUA Survey, 1999											

**AT-1: Water Tariff and Connection Charges, 1999**

Andhra Pradesh

Sl. No.	City/Town	Cost of production of water (1997-98)*	Domestic			Non-Domestic	
			Metered		Unmetered	Metered	
			Consumption based rates		Flat rate (Rs./year)	Volumetric rate (Rs./KI/month)	Increasing block tariff (Rs./month)
			Rs./kl	Volumetric rate (Rs./KI/month)			
17	Tenali	1.43			480	No non-domestic connections in the city	
18	Cuddapah	n.a.			720	No non-domestic connections in the city	
19	Nandyal	10.00			480	10.00	
20	Chittoor	10.00			720		
21	Hindupur	n.a.			480		
22	Kapra	4.59			720		
23	Rajendranagar	15.00			720		
24	Anakapalle	10.00			600		
25	Srikakulam	n.a.			360		
26	Dharmavaram	n.a.			540		
27	Madanapalle	n.a.	2.25		540		
28	Narasaraopet	2.09			720		
29	Suryapet	1.70	3.00		480		
30	Kavali	10.00			360		
31	Gudur	n.a.			480		
32	Srikalahati	n.a.			540		
33	Sangareddy	10.00			380		

Source: NIUA Survey, 1999

\* Estimated by respective local governments/authorities

**AT-1: Water Tariff and Connection Charges, 1999**

Andhra Pradesh

Sl. No.	City/Town	Industrial		Commercial				Institutional	
		Metered	Unmetered	Metered	Unmetered		Metered	Unmetered	
		Volumetric rate (Rs./KI/ month)	Flat rate (Rs./year)	Volumetric rate (Rs./KI/ month)	Ferrule based rates		Others	Volumetric rate (Rs./KI/ month)	Others
					Ferrule size	Rs. /year	Flat rate (Rs./year)		Flat rate (Rs./year)
17	Tenali								
18	Cuddapah								
19	Nandyal								
20	Chittoor	-		15.00					
21	Hindupur			2.20					
22	Kapra	-		-				-	
23	Rajendranagar						1440		
24	Anakapalle	15.00		15.00				15.00	
25	Srikakulam	-		10.00				-	
26	Dharmavaram	-					780	-	
27	Madanapalle	12.00		12.00				12.00	
28	Narasaraopet	-		1.50				1.50	
29	Suryapet	10.00		10.00				10.00	960
30	Kavali	-		-				-	
31	Gudur	-		n.a.				-	
32	Srikalahati	-		n.a.				-	
33	Sangareddy	-		n.a.				-	

Source: NIUA Survey, 1999

**AT-1: Water Tariff and Connection Charges, 1999**

Andhra Pradesh

Sl. No.	City/Town	One time water connection charges (in Rs.)					Year of last revision	Water tax
		Domestic	Industrial	Commercial	Institutional	Others (specify)		
17	Tenali	6000	-	-	-	-	1998	n.a.
18	Cuddapah	6000 - ordinary 12000 - urgent	-	-	-	-	1999	No
19	Nandyal	4000 - ordinary 7000 - urgent	-	8000 - ordinary 16000 - urgent	8000 - ordinary 16000 - urgent	-	1998	No
20	Chitoor	6000 - ordinary	-	-	-	-	1998	n.a.
21	Hindupur	4000	-	7000	-	-	1998	n.a.
22	Kapra	-	-	-	-	-	1999	n.a.
23	Rajendranagar	4500	-	4500	-	-	1999	No
24	Anakapalle	6000	-	10500	-	-	1997	n.a.
25	Srikakulam	6000	-	-	-	-	1998	No
26	Dharmavaram	4500	-	-	-	-	1998	No
27	Madanapalle	-	-	-	-	-	1998	No
28	Narasaraopet	6000 - ordinary 12000 - urgent	-	17500	-	-	1998	n.a.
29	Suryapet	4500	18000 - 135000	9000 to 22500	-	-	1997	6% of ARV
30	Kavali	4500	-	-	-	-	1998	n.a.
31	Gudur	4000	-	10000	-	-	1998	n.a.
32	Srikalahati	4500	-	7875	-	-	n.a.	No
33	Sangareddy	2200	-	4200	-	-	1998	No

Source: NIUA Survey, 1999

**AT-2**  
**Water Tariff and Connection Charges**  
**Gujarat**

**AT-2: Water Tariff and Connection Charges, 1999**  
Gujarat

Sl. No.	City/Town	Cost of production of water (1998-99)* Rs./kl	Domestic			Non-Domestic	Industrial		
			Metered	Unmetered (Flat rate)		Unmetered (Flat rate)	Metered	Unmetered (Flat rate)	
			Volumetric rate (Rs./KI/ month)	Ferrule based rates	Others	Others (Rs./year)	Volumetric rate (Rs./KI/ month)	Ferrule based rates	Others
				Ferrule size	Rs./year	Flat rate (Rs./year)		Ferrule size	Rs./year
1	Ahmedabad	2.00 - 3.15	3.00						25-30% of NRV or Min. 720
2	Surat	2.11	2.00 - inside city limits	Within city limits		8.00 - inside city limits			
				1/2"	120	28.00 - outside city limits			
			12.00 - outside city limits	3/4"	252				
				1"	648				
				1 1/2"	1296				
				Outside city limits					
				1/2"	1440				
				3/4"	3360				
				1"	6720				
				1 1/2"	14400				
3	Vadodara	3.40	1.50	Minimum charges		10.80	Minimum charges		
				1/2"	180		1/2"	6300	
				3/4"	720		3/4"	23738	
				1"	1440		1"	25200	
				1 1/2"	3000		1 1/2"	56700	
4	Rajkot	3.30	-		240	480			
5	Bhavnagar	7.00	n.a.		300		9.00		1250
6	Jamnagar	n.a.			240	600	25.00		
7	Nadiad	n.a.		1/2"	170				
				3/4"	600				
				1"	1000				
8	Surendranagar	n.a.		1/2"	60				
				3/4"	150				
				1"	300				
				1 1/4"	450				
				1 1/2"	600				
				2"	1200				
				3"	1800				
9	Anand	n.a.		1/2"	60				
				3/4"	90				

Source: NIUA Survey, 1999

\* Estimated by respective local governments/authorities

**AT-2: Water Tariff and Connection Charges, 1999**  
Gujarat

Sl. No.	City/Town	Commercial				Institutional			
		Metered	Unmetered (Flat rate)			Metered	Unmetered (Flat rate)		
		Volumetric rate (Rs./KI/ month)	Ferrule based rates		Others	Volumetric rate (Rs./KI/ month)	Ferrule based rates		Others
			Ferrule size	Rs. /year	Flat rate (Rs./year)		Ferrule size	Rs. /year	Flat rate (Rs./year)
1	Ahmedabad	8.00 - 20.00			25-30% of NRV or Min. 720				
2	Surat	8.00 - inside city limits 28.00 - outside city limits							
3	Vadodara	5.40	Minimum charges		3.60	Minimum charges			
			1/2"	1680		1/2"	1104		
			3/4"	3684		3/4"	2436		
			1"	6702		1"	4428		
			1 1/2"	15084		1 1/2"	9960		
4	Rajkot								
5	Bhavnagar	9.00			1200	n.a.			600
6	Jamnagar	25.00							
7	Nadiad		1/2"	800					
			3/4"	1000					
			1"	1600					
8	Surendranagar		1/2"	300					
			3/4"	600					
			1"	1200					
			1 1/4"	1800					
			1 1/2"	2400					
			2"	4800					
			3"	7200					
9	Anand		1/2"	200					
			3/4"	400					
Source: NIUA Survey, 1999									

**AT-2: Water Tariff and Connection Charges, 1999**  
Gujarat

Sl. No.	City/Town	One time water connection charges (in Rs.)				Year of last revision	Water tax
		Domestic	Industrial	Commercial	Institutional		
1	Ahmedabad	Varies from 100 to 20000 for various sizes of pipe lines + road cutting charges				1997	Residential: 15 to 25% of NRV For < 50 sq.m. area minimum 48 to 210/year  Non-residential: 15 to 30% of NRV Minimum 360 to 720/year
2	Surat	n.a.	n.a.	n.a.	n.a.	1999	n.a.
3	Vadodara	n.a.	n.a.	n.a.	n.a.	1999	5% of ARV
4	Rajkot	200	1000	1000	1000	1989	Rates mentioned in umetered connections
5	Bhavnagar	340	340	340	340	1994	Rates mentioned in umetered connections
6	Jamnagar	500-1000	1500	1500	1500	1995	Rates mentioned in umetered connections
7	Nadiad			600 for 1/2" dia, 700 for 3/4" dia, and 800 for 1" dia		1989	Rates mentioned in umetered connections
8	Surendranagar	450	-	650	-	1976	Rates mentioned in umetered connections
9	Anand	204 for 1/2" 720 for 3/4"		960 for 1/2" 2160 for 3/4"		1992	Rates mentioned in umetered connections
Source: NIUA Survey, 1999							

**AT-2: Water Tariff and Connection Charges, 1999**  
Gujarat

Sl. No.	City/Town	Cost of production of water (1998-99)* Rs./kl	Domestic			Non-Domestic	Industrial			
			Metered Volumetric rate (Rs./Kl/ month)	Unmetered (Flat rate)		Unmetered (Flat rate) Others (Rs./year)	Metered Volumetric rate (Rs./Kl/ month)	Unmetered (Flat rate)		
				Ferrule based rates	Others			Ferrule based rates	Others	
				Ferrule size	Rs./year	Flat rate (Rs./year)		Ferrule size	Rs./year	Flat rate (Rs./year)
10	Junagadh	n.a.								
11	Bharuch	7.60	5.00	1/2" 144						240
				3/4" 216						
				1" 576						
12	Porbander	2.50		1/2" 180			1/2" 600			
				3/4" 600			3/4" 1800			
				1" 1800			1" 3600			
				1 1/2" 3600			1 1/2" 7200			
				2" 4800			2" 9600			
				Outside municipal limits the charges are 1.5 times the			Outside municipal limits the charges are 1.5 times the			
13	Navsari	n.a.		1/2" 90	90 to 270 based on ARV					
				3/4" 135						
				1" 180						
14	Mehsana	n.a.			120					240
15	Jetpur	n.a.		1/2" 240			1/2" 2400			
				3/4" 480			3/4" 3600			
16	Bhuj	n.a.		15 mm 360						
				20 mm 720						
17	Palanpur	n.a.		1/2" 120			1/2" 360			
				3/4" 360			3/4" 600			
				1" 720			1" 1200			
18	Gondal	n.a.		1/2" 120						
				1" 180						
19	Amreli	n.a.			120					240
20	Dahod	3.50		1/2" 144						
				3/4" 180						
				1" 240						
21	Dabhoi	n.a.			120					380
22	Ankleswar	6.00			200					

Source: NIUA Survey, 1999

\* Estimated by respective local governments/authorities

**AT-2: Water Tariff and Connection Charges, 1999**  
Gujarat

Sl. No.	City/Town	Commercial				Institutional			
		Metered Volumetric rate (Rs./KI/ month)	Unmetered (Flat rate)			Metered Volumetric rate (Rs./KI/ month)	Unmetered (Flat rate)		
			Ferrule based rates		Others		Ferrule based rates		Others
			Ferrule size	Rs. /year	Flat rate (Rs./year)		Ferrule size	Rs. /year	Flat rate (Rs./year)
10	Junagadh						240		
11	Bharuch						384		
12	Porbander		1/2"	600		1/2"	360		
			3/4"	1800		3/4"	1200		
			1"	3600		1"	2400		
			1 1/2"	7200		1 1/2"	3600		
			2"	9600		2"	7200		
			Outside municipal limits the charges are 1.5 times the above				Outside municipal limits the charges are 1.5 times the		
13	Navsari						300 to 450 based on ARV		
14	Mehsana						240		
15	Jetpur		1/2"	360					
			3/4"	600					
16	Bhuj		15 mm	860			1440-4800		180 (for social institutions)
			20 mm	1220					
17	Palanpur		1/2"	240					
			3/4"	480					
			1"	720					
			2"	1440					
18	Gondal		1/2"	180					
			1"	240					
19	Amreli						240		
20	Dahod		1/2"	1800					
			3/4"	2100					
			1"	2400					
21	Dabhoi						380		380
22	Ankleswar						400		
Source: NIUA Survey, 1999									

**AT-2: Water Tariff and Connection Charges, 1999**  
Gujarat

Sl. No.	City/Town	One time water connection charges (in Rs.)				Year of last revision	Water tax
		Domestic	Industrial	Commercial	Institutional		
10	Junagadh	360	720	720		1987	Rates mentioned in umetered connections
11	Bharuch	677		1397		1992	Rates mentioned in umetered connections
12	Porbander	100	100	100	100	1998	Rates mentioned in umetered connections
13	Navsari	500 to 1000		n.a.		1997	Rates mentioned in umetered connections
14	Mehsana	360	720	720		1999	Rates mentioned in umetered connections
15	Jetpur	150	1000	500		1998	Rates mentioned in umetered connections
16	Bhuj						
17	Palanpur	25 to 400 for different sizes of connections				1985	Rates mentioned in umetered connections
18	Gondal	1000	1500	1500		1997	Rates mentioned in umetered connections
19	Amreli	360	720	720		1986	Rates mentioned in umetered connections
20	Dahod	1000	-	2700		1989	Rates mentioned in umetered connections
21	Dabhoi	n.a.	n.a.	n.a.	n.a.	1989	Rates mentioned in umetered connections
22	Ankleswar	800	-	1000		1999	Rates mentioned in umetered connections
Source: NIUA Survey, 1999							

**AT-3**  
**Water Tariff and Connection Charges**  
**Haryana**

**AT-3: Water Tariff and Connection Charges, 1999**  
Haryana

Sl.No.	City/Town	Cost of production of water (1997-98)* Rs./kl	Domestic			Industrial	Commercial	
			Metered	Unmetered (Flat rate)		Metered	Metered	
			Volumetric rate (Rs./Kl/ month)	Based on ferrule size		Volumetric rate (Rs./Kl/ month)	Volumetric rate (Rs./Kl/ month)	
				Ferrule size	Rs. /month			
1	Faridabad	n.a.	1.00	10 mm (with one tap)	25	2.50	2.00	
				10 mm (with more than one tap)	40			
				12 mm	100			
				15 mm	125			
				20 mm	150			
				Above 20 mm	200			
2	Hissar	2.33	Same as above	Same as above		2.50	2.00	
3	Rohtak	1.91	Same as above	Same as above				
4	Karnal	1.87	Same as above	Same as above			2.50	
5	Gurgaon	3.71	Same as above	Same as above		2.50	2.00	
6	Ambala	2.68	Same as above	Same as above		2.50	2.00	
7	Jind	1.56	Same as above	Same as above		2.50	2.00	
8	Rewari	0.95	Same as above	Same as above				
9	Thanesar	2.30	Same as above	Same as above			2.00	
10	Kaithal	1.81	Same as above	Same as above				
Source: NIUA Survey, 1999		* Estimated by respective local governments/authorities						

**AT-3: Water Tariff and Connection Charges, 1999**  
Haryana

Sl.No.	City/Town	One time water connection charges (in Rs.)				Year of last revision	Water tax
		Domestic	Industrial	Commercial	Institutional		
1	Faridabad	300	300	300	300	1994	No
2	Hissar	n.a.	n.a.	n.a.	n.a.	1994	No
3	Rohtak	n.a.	n.a.	n.a.	n.a.	1994	No
4	Karnal	300	300	300	300	1994	No
5	Gurgaon	300	300	300	300	1994	No
6	Ambala	300	300	300	300	1994	No
7	Jind	300	300	300	300	1994	No
8	Rewari	n.a.	n.a.	n.a.	n.a.	1993	No
9	Thanesar	300	300	300	300	1994	No
10	Kaithal	300	300	300	300	1994	No
Source: NIUA Survey, 1999							

**AT-4**  
**Water Tariff and Connection Charges**  
**Karnataka**

**AT-4: Water Tariff and Connection Charges, 1999**  
Karnataka

Sl.No.	City/Town	Cost of production of water (1998-99)*	Domestic				Non-Domestic	
			Metered		Unmetered		Metered	Unmetered
			Consumption based rates		Ferrule based rates	Others	Increasing block tariff (Rs./month)	Others
			Rs./kl	Increasing block tariff (Rs./month)	Ferrule size	Rs. /year		Flat rate (Rs./year)
1	Bangalore	n.a.	Min. 65.00/month 3.50/kl upto 25 kl 7.00/kl for 25 - 50 kl 19.00/kl for 50 - 75 kl 26.00/kl for 75 - 100 kl 33.00/kl above 100 kl				Min. 275.00/month 33.00/kl upto 10 kl 39.00/kl for 10 - 20 kl 44.00/kl for 20 - 40 kl 51.00/kl for 40 - 60 kl 57.00/kl for 60 - 100 kl 60/kl above 100 kl	
2	Mysore	2.87	1.25/kl upto 10 kl 1.65/kl for 10-25 kl 2.65/kl for 25-50 kl 3.65/kl for 50-75 kl 5.15/kl for 75-100 kl 6.15/kl above 100 kl				3.30/kl upto 25 kl 4.30/kl for 25-50 kl 5.30/kl for 50-75 kl 6.30/kl for 75-100 kl 7.30/kl above 100 kl	
3	Hubli-Dharwad	n.a.	1.25/kl upto 10 kl 1.65/kl for 10-25 kl 2.65/kl for 25-50 kl 3.65/kl for 50-75 kl 5.15/kl for 75-100 kl 6.15/kl above 100 kl			540	3.30/kl upto 25 kl 4.30/kl for 25-50 kl 5.30/kl for 50-75 kl 6.30/kl for 75-100 kl 7.30/kl above 100 kl	
4	Belgaum	n.a.		1/2" 3/4" 1"	430 1085 1155			
5	Davangere	n.a.				540		2160
6	Gulbarga	n.a.				540		1080
Source: NIUA Survey, 1999		* Estimated by respective local governments/authorities						

**AT-4: Water Tariff and Connection Charges, 1999**  
Karnataka

Sl.No.	City/Town	Industrial					Commercial				
		Metered		Unmetered			Metered	Unmetered			
		Volumetric rate (Rs./KI/month)	Increasing block tariff (Rs./month)	Ferrule based rates		Others	Volumetric rate (Rs./KI/month)	Ferrule based rates		Others	
				Ferrule size	Rs. /year	Flat rate (Rs./year)		Ferrule size	Rs. /year	Flat rate (Rs./year)	
1	Bangalore	60.00									
2	Mysore	8.60				8.60					
3	Hubli-Dharwad								2160		2160
4	Belgaum			1/2"	5000		1/2"	3000			
				3/4"	9740		3/4"	7240			
				1"	10375		1"	7710			
5	Davangere										
6	Gulbarga										
Source: NIUA Survey, 1999											

**AT-4: Water Tariff and Connection Charges, 1999**  
Karnataka

Sl.No.	City/Town	Institutional	Others (specify)	One time water connection charges (in Rs.)					Year of last revision	Stand post charges	Water tax
		Unmetered	Unmetered	Domestic	Industrial	Commercial	Institutional	Others (specify)			
		Others									
		Flat rate (Rs./year)									
1	Bangalore				n.a.	n.a.	n.a.		1996	2680/month	No
2	Mysore			2000	8000	8000	-	4000	1996		No
3	Hubli-Dharwad	1080	1080 (Construction)	2000	8000	8000	4000	4000	1996		4% of ARV
4	Belgaum			n.a.	n.a.	n.a.	n.a.		n.a.		No
5	Davangere		1080 (Construction)	1500		3000		2000	n.a.		No
6	Gulbarga		2160 (Construction)	2050	4050	4050	4050	8050	1996		No
Source: NIUA Survey, 1999											

**AT-4: Water Tariff and Connection Charges, 1999**  
Karnataka

Sl.No.	City/Town	Cost of production of water (1998-99)*	Domestic				Non-Domestic	
			Metered		Unmetered		Metered	Unmetered
			Consumption based rates		Ferrule based rates	Others	Increasing block tariff (Rs./month)	Others
			Rs./kl	Increasing block tariff (Rs./month)	Ferrule size	Rs. /year		Flat rate (Rs./year)
7	Mangalore	2.13	Minimum 45.00/month 1.40/kl upto 10 kl 1.80/kl for 10-25 kl 2.80/kl for 25-50 kl 3.80/kl for 50-75 kl 5.30/kl for 75-100 kl 6.30/kl above 100 kl				Min. 90/month 4.00/kl upto 10 kl 8.00/kl above 10 kl	
8	Tumkur	n.a.				120		600
9	Bellaray					540		1080
10	Shimoga	n.a.				360		2160
11	Hospet	n.a.				540		
12	Gadag	6.00				360		
13	Mandya	n.a.				540		
14	Kolar	n.a.				540		
15	Bagalkot	n.a.				540		1080
16	Chikmagalur	n.a.				360		1200
17	Rabakavi-Banhatti	8.48				540		
18	Ramanagaram	n.a.				540		2160
19	Gokak	n.a.				540		
Source: NIUA Survey, 1999		* Estimated by respective local governments/authorities						

**AT-4: Water Tariff and Connection Charges, 1999**  
Karnataka

Sl.No.	City/Town	Industrial					Commercial			
		Metered		Unmetered			Metered	Unmetered		
		Volumetric rate (Rs./Kl/month)	Increasing block tariff (Rs./month)	Ferrule based rates		Others	Volumetric rate (Rs./Kl/month)	Ferrule based rates		Others
		Ferrule size	Rs. /year	Flat rate (Rs./year)		Ferrule size	Rs. /year	Flat rate (Rs./year)		
7	Mangalore	60.00	Min. 2000/month 9.20/kl upto 80 kl 10.00/kl above 80 kl							
8	Tumkur									
9	Bellaray									
10	Shimoga									
11	Hospet							2160	840	
12	Gadag								1200	
13	Mandya							2160	2160	
14	Kolar							2160	2160	
15	Bagalkot									
16	Chikmagalur									
17	Rabakavi-Banhatti							2160	2160	
18	Ramanagaram									
19	Gokak							2160	2160	
Source: NIUA Survey, 1999										

**AT-4: Water Tariff and Connection Charges, 1999**  
Karnataka

Sl.No.	City/Town	Institutional	Others (specify)	One time water connection charges (in Rs.)					Year of last revision	Stand post charges	Water tax
		Unmetered	Unmetered	Domestic	Industrial	Commercial	Institutional	Others (specify)			
		Others									
		Flat rate (Rs./year)									
7	Mangalore			3000	3000	3000	3000		1996		No
8	Tumkur			n.a.	n.a.	n.a.	n.a.		1991		n.a.
9	Bellaray			1500	3000	3000	3000		1994		n.a.
10	Shimoga			1550	3000	3000	3000		1997		No
11	Hospet	1080		1500	6000	3000	3000		1996		n.a.
12	Gadag			100		200			1993		4% of ARV
13	Mandya		1080 (Construction)	1700	6200	6200		3200	1998		7% of ARV
14	Kolar		1080 (Construction)	2000	6000	6000		3000	1998		n.a.
15	Bagalkot			4500	6000	6000			1996		n.a.
16	Chikmagalur			1500	-	3000	3000		1997		No
17	Rabakavi-Banhatti		1080 (Construction)	1500	6000	6000	3000	3000			
18	Ramanagaram			400	3000	3000	1500		1999		No
19	Gokak	1080	1080 (Construction)	1500	6000	6000	3000	3000	1998		20% of ARV
Source: NIUA Survey, 1999											

**AT-5**  
**Water Tariff and Connection Charges**  
**Kerala**

### AT-5: Water Tariff and Connection Charges, 1999

Kerala

Sl.No.	City/Town	Cost of production of water (1997-98)*	Domestic	Non-Domestic	Industrial
		Rs./kl	Metered	Metered	Metered
			Consumption based rates	Increasing block tariff (Rs./month)	Increasing block tariff (Rs./month)
			Increasing block tariff (Rs./month)		
	Same for all the urban areas of the state	n.a.	22/month - upto 10 kl	102/month - upto 10 kl	202/month upto 10 kl
			25-52/month - for 11-20 kl	102-149/month - for 11-20 kl	202-214/month for 11-20 kl
			55-82/month - for 21-30 kl	156-223/month - for 21-30 kl	225-320/month for 21-30 kl
			87-132/month - for 31-40 kl	230-296/month - for 31-40 kl	331-426/month for 31-40 kl
			137-182/month - for 41-50 kl	303-370/month - for 41-50 kl	437-532/month for 41-50 kl
			189-550/month - for 51-100 kl	381-900/month - for 51-100 kl	532-1062/month for 51-100 kl
Source: NIUA Survey, 1999		* Estimated by respective local governments/authorities			

**AT-5: Water Tariff and Connection Charges, 1999**  
Kerala

Sl.No.	City/Town	One time water connection charges (in Rs.)			Year of last revision	Water tax
		Domestic	Industrial	Commercial		
	Same for all the urban areas of the state	565	1065	1065	1999	No
Source: NIUA Survey, 1999						

**AT-6**  
**Water Tariff and Connection Charges**  
**Madhya Pradesh**

**AT-6: Water Tariff and Connection Charges, 1999**  
Madhya Pradesh

SI.No.	City/Town	Cost of production of water (1997-98)*	Domestic			Industrial		Commercial	
			Metered		Unmetered	Metered	Unmetered	Metered	Unmetered
			Consumption based rates		Others	Volumetric rate (Rs./KI/ month)	Others Flat rate (Rs. /year)	Volumetric rate (Rs./KI/ month)	Others Flat rate (Rs. /year)
			Rs./kl	Volumetric rate (Rs./KI/ month)	Increasing block tariff (Rs./month)				
1	Bhopal	n.a.			720	8.00		6.00	
2	Indore	7 - 8	2.00		720	22.00	3600	10.50	1800
3	Jabalpur	n.a.	3.00		720	6.00	2160	6.00	2160
4	Gwalior	n.a.	All connections unmetered		720		1440		1280
5	Ratlam	n.a.			600	15.00			1200
6	Burhanpur	n.a.	All connections unmetered		600		n.a.		n.a.
7	Dewas	n.a.	All connections unmetered		600		-		1200
8	Satna	n.a.	0.33			2.20		1.75	
9	Katni	n.a.	1.50		600	3.50	900	3.50	900
10	Rewa	n.a.	1.30		144	2.20		1.75	
11	Khandwa	n.a.	All connections unmetered		600		1200		1200
12	Bhind	n.a.	All connections unmetered		480		600		n.a.
13	Shivpuri				480	5.68		2.27	
14	Morena	1.16			480		480		480
15	Guna	n.a.			480	5.68		2.27	
16	Vidisha	n.a.	All connections unmetered		480		1440		1440
17	Mandsor	n.a.	All connections unmetered		480 - 720		720 - 1080		720 - 1080
18	Itarsi	n.a.	All connections unmetered		480		480		480
19	Nagda	n.a.			480		-		-
20	Sehore	n.a.	All connections unmetered		480		1200		-
21	Hoshangabad	n.a.	All connections unmetered		480		480		480
22	Neemuch	3.68			480		960		-
23	Khargaon	n.a.	All connections unmetered		480		n.a.		1200
24	Shahdol	n.a.	All connections unmetered		480		-		1680

Source: NIUA Survey, 1999

\* Estimated by respective local governments/authorities

**AT-6: Water Tariff and Connection Charges, 1999**  
Madhya Pradesh

Sl.No.	City/Town	Institutional		One time water connection charges (in Rs.)				Year of last revision	Water tax	Rate of bulk water purchase
		Metered	Unmetered	Domestic	Industrial	Commercial	Institutional			
		Volumetric rate (Rs./Kl/month)	Others Flat rate (Rs./year)							
1	Bhopal			2100	For 1/2" - 50000	For 1" - 100000		1998	No	1.00/kl
2	Indore				250 + Road repair charges			1995	No	
3	Jabalpur	6.00	2160	1356	1356	1356	1356	1997	No	
4	Gwalior		1280	1500	3000	3000	3000	1997	n.a.	
5	Ratlam		600	1500-1800	2500-3000	1600-2200	1500-1800	1998	n.a.	
6	Burhanpur		n.a.			1500 - 2500		1997	n.a.	
7	Dewas		-	2000-3000	-	-	-	1997	n.a.	2.00/kl
8	Satna			61	61	61	61	n.a.	No	
9	Katni	3.50	900	763	763	763	763	1997	No	
10	Rewa	1.75		n.a.	59	59	59	1986	No	
11	Khandwa		600	650	1300	1300	650	1997	n.a.	
12	Bhind		n.a.	34	n.a.	n.a.	n.a.	1997	n.a.	
13	Shivpuri	2.27		1600	2000	2000	2000	1996	No	
14	Morena		480	500	700	700	700	1997	n.a.	
15	Guna	2.27		1600	2000	2000	2000	1996	No	
16	Vidisha		-	850	1700	850	-	1997	No	
17	Mandsor		720 - 1080	1000	1250	1250	1250	1997	n.a.	
18	Itarsi		480	900	900	900	900	1997	No	
19	Nagda		-	1500	-	-	-	1997	n.a.	
20	Sehore		-	1885	3000	-	-	1997	No	
21	Hoshangabad		480	1530	1530	1530	1530	1997	n.a.	
22	Neemuch		-	1200	1500	-	1200	1997	n.a.	
23	Khargaon		n.a.	1200	1500	1500	1200	1998	n.a.	
24	Shahdol		-	n.a.	n.a.	n.a.	n.a.	1996	n.a.	

Source: NIUA Survey, 1999

**AT-7**  
**Water Tariff and Connection Charges**  
**Maharashtra**

**AT-7: Water Tariff and Connection Charges, 1999**  
Maharashtra

Sl.No.	City/Town	Cost of production of water (1998-99)*	Domestic					Non-Domestic				
			Metered			Unmetered		Metered		Unmetered		
			Consumption based rates		Ferrule based rates		Others	Volumetric rate (Rs./KI/ month)	Increasing block tariff (Rs./month)	Ferrule based rates		Others
			Rs./kl	Volumetric rate (Rs./KI/ month)	Increasing block tariff (Rs./month)	Ferrule size	Rs. /year			Flat rate (Rs. /year)	Ferrule size	Rs. /year
1	Mumbai	2.52	1.50 - 2.75				50% of rateable value of property	0.50 to 35.00				100% of rateable value of property
2	Pune	n.a.	2.50		1/2 & 3/4"	750 & 1500	250 for slums	12.00		1/2 & 3/4"	1000 & 2000	
					1 & 2"	4000 & 10000				1 & 2"	5000 & 20000	
					3"	15000				3"	30000	
					>3"	20000				>3"	40000	
3	Nagpur	n.a.		1.00/kl - upto 10 kl	15 mm	300				15 mm	1200	
				1.25/kl - for next 30 kl	20 mm	600				20 mm	2400	
				1.50/kl for above								
4	Kolhapur	2.75	3.60									
5	Nasik	4.75	2.25				720					
6	Aurangabad	6.39	4.00		15 mm	1000		10.00		15 mm	4000	
					20 mm	2000				20 mm	4500	
					25 mm	3000				25 mm	10500	
7	Dhule	4.56	4.00		1/2"	806		8.00		1/2"	3580	
					3/4"	1555				3/4"	7138	
					1"	3662				1"	16152	
8	Parbhani	0.32p			1/2"	804				1/2"	300	
					3/4"	1560				3/4"	595	
					1"	3660				1"	1346	
9	Bhusawal	2.58			15 mm	806						
					20 mm	1555						
					25 mm	3662						
10	Yavatmal	20.20	4.75					106				
11	Kamptee	n.a.						240				
12	Virar		3.70		1/2"	842				1/2"	4800	
					3/4"	2400				3/4"	7138	

Source: NIUA Survey, 1999

\* Estimated by respective local governments/authorities

**AT-7: Water Tariff and Connection Charges, 1999**  
Maharashtra

Sl.No.	City/Town	Industrial				Commercial				Institutional			
		Metered Volumetric rate (Rs./KI/ month)	Unmetered			Metered Volumetric rate (Rs./KI/ month)	Unmetered			Metered Volumetric rate (Rs./KI/ month)	Unmetered		
			Ferrule based rates		Others		Ferrule based rates		Others		Ferrule based rates		Others
			Ferrule size	Rs. /year	Flat rate (Rs. /year)		Ferrule size	Rs. /year	Flat rate (Rs. /year)		Ferrule size	Rs. /year	Flat rate (Rs. /year)
1	Mumbai	Combined in non-domestic											
2	Pune												
3	Nagpur	12.00			7.50				2.50				
4	Kolhapur	17.30			7.20				7.20				
5	Nasik	12.00			9.00				12.00				
6	Aurangabad												
7	Dhule												
8	Parbhani												
9	Bhusawal		15 mm	3580									
			20 mm	1738									
			25 mm	16152									
10	Yavatmal				23.00			543	9.55				213
11	Kamptee					720				720			720
12	Virar												
Source: NIUA Survey, 1999													

**AT-7: Water Tariff and Connection Charges, 1999**  
Maharashtra

Sl.No.	City/Town	Others (specify)	One time water connection charges (in Rs.)					Year of last revision	Stand post charges	Water tax	Rate of bulk water purchase
		Metered	Domestic	Industrial	Commercial	Institutional	Others (specify)				
		Volumetric rate (Rs./Kl/month)									
1	Mumbai	-	-	-	-	-	-	1997	Re. 1.00/kl for metered stand posts	50% of the rateable value of the property for domestic and 100% for non-domestic	Domestic Rs.165.00 per million litres and Rs. 2475.00 for non-domestic
2	Pune		490					1999	No	N. A.	
3	Nagpur		-	-	-	-	-	1989	No	10%, 12%, 15%	
4	Kolhapur		3450 for 15mm	5550 for 15mm	3650 for 15mm	3650 for 15mm		1998	418/month	6% on ARV	NA
5	Nasik		n.a.	n.a.	n.a.	n.a.	n.a.	1998	No	2%	
6	Aurangabad		n.a.	n.a.	n.a.	n.a.	n.a.	1998	No	No	NA
7	Dhule		n.a.					1999		n.a.	
8	Parbhani		Road cutting charges levied bet. Rs. 30 and 1500 depending upon type of road + boring charges levied by size of connection varying bet. Rs. 100 and Rs. 2000					1999	No	No	Rs.4.90 per cubic meter
9	Bhusawal							1998		No	
10	Yavatmal		n.a.		n.a.			1998	550/yr.	No	
11	Kamptee		75	Nil	Nil	Nil	Nil	1991	No	n.a.	1.00/kl
12	Virar		n.a.					1998	No	No	
Source: NIUA Survey, 1999											

**AT-7: Water Tariff and Connection Charges, 1999**  
Maharashtra

Sl.No.	City/Town	Cost of production of water (1998-99)*	Domestic					Non-Domestic					
			Metered			Unmetered		Metered		Unmetered			
			Consumption based rates		Ferrule based rates		Others	Volumetric rate (Rs./KI/ month)	Increasing block tariff (Rs./month)	Ferrule based rates		Others	
			Rs./kl	Volumetric rate (Rs./KI/ month)	Increasing block tariff (Rs./month)	Ferrule size	Rs. /year			Flat rate (Rs. /year)	Ferrule size	Rs. /year	Flat rate (Rs. /year)
13	Ratanagiri	2.44	3.45					804					
14	Ichalkaranji	n.a.	2.00					480					
15	Ballarpur	n.a.	5.75					-					
16	Chandrapur	n.a.			1/2"	806					1/2"	3580	
					3/4"	1555					3/4"	7138	
					1"	3662					1"	16152	
17	Manmad	10.00			1/2"	806					1/2"	3580	
					3/4"	1555					3/4"	7138	
					1"	3662					1"	16152	
18	Satara	3.76						450					1200
19	Wardha	n.a.	No water charges are levied in the town										
20	Jalgaon	n.a.	n.a.		12 mm	806							
					18 mm	1555							
					25 mm	4662							
21	Nanded	0.82	2.00		1/2"	720							
					3/4"	3240							
					1"	4320							
22	Solapur	3.24		2.50/kl upto 20 kl.	1/2"	980		12.00			1/2"	3950	
				3.50/kl for 20-40 kl.	3/4"	2350					3/4"	7900	
				4.20/kl for >40 kl.									
23	Bhandara	n.a.	4.75	15 mm min. 552/year	15mm	1272	106		15 mm min. 2736 /year	15mm	6516		
				20 mm min. 1116/year	20mm	2556			20 mm min. 5484 /year	20mm	14376		
				25 mm min. 2196/year	25mm	5124			25 mm min. 10968 /year	25mm	26028		
24	Amalner	1.00					806	4.00					
25	Amravati	0.90	5.75	15 mm min. 672/year	15 mm	min. 1536		28.00	15 mm min. 3288/year	15 mm	min. 7824		
				20 mm min. 1344/year	20 mm	min. 3000			20 mm min. 6588/year	20 mm	min. 17256		
				25 mm min. 2640/year	25 mm	min. 6156			25 mm min. 13164/year	25 mm	min. 31236		

Source: NIUA Survey, 1999

\* Estimated by respective local governments/authorities

**AT-7: Water Tariff and Connection Charges, 1999**  
Maharashtra

Sl.No.	City/Town	Industrial				Commercial				Institutional			
		Metered Volumetric rate (Rs./KI/ month)	Unmetered			Metered Volumetric rate (Rs./KI/ month)	Unmetered			Metered Volumetric rate (Rs./KI/ month)	Unmetered		
			Ferrule based rates		Others		Ferrule based rates		Others		Ferrule based rates		Others
			Ferrule size	Rs. /year	Flat rate (Rs. /year)		Ferrule size	Rs. /year	Flat rate (Rs. /year)		Ferrule size	Rs. /year	Flat rate (Rs. /year)
13	Ratanagiri	15.55			3576	7.90			3576				
14	Ichalkaranji	8.00			1280	8.00			1280	8.00			1280
15	Ballarpur	28.00				28.00				5.60			
16	Chandrapur									1/2"	1612		
										3/4"	3110		
										1"	7324		
17	Manmad												
18	Satara												
19	Wardha												
20	Jalgaon						12 mm	3580					
							18 mm	7138					
							25 mm	16152					
21	Nanded	15.55	1/2"	4370		15.55	1/2"	4370	9.00	1/2"	720		
			3/4"	19440			3/4"	19440		3/4"	3240		
			1"	25920			1"	25920		1"	4320		
22	Solapur	12.00				12.00				12.00			
23	Bhandara	9.55			213	23.00			543	23.00			543
24	Amalner												
25	Amravati												

Source: NIUA Survey, 1999

**AT-7: Water Tariff and Connection Charges, 1999**  
Maharashtra

Sl.No.	City/Town	Others (specify)	One time water connection charges (in Rs.)					Year of last revision	Stand post charges	Water tax	Rate of bulk water purchase
		Metered	Domestic	Industrial	Commercial	Institutional	Others (specify)				
		Volumetric rate (Rs./Kl/month)									
13	Ratanagiri							1997	No	No	Rs.1.5/per cum
14	Ichalkaranji		50	200	200	200		1998	No	No	Rs.3.75/per cum Rs.1.50/10.00cum
15	Ballarpur	5600	401 for 1/2"	401 for 1/2"	401 for 1/2"	401 for 1/2"		1998	660/yr.	n.a.	
16	Chandrapur		21	21	21	21		1997	No	No	
17	Manmad		15 - 40				50 - 120	1999		n.a.	
18	Satara		400	400	400	400		1997		No	
19	Wardha		150					1999	No	n.a.	
20	Jalgaon		n.a.					1998		n.a.	1.50
21	Nanded		Road cutting charges levied bet. Rs. 100 - 750 depending upon type of road					1999	No	No	0.75
22	Solapur		1/2" - 1000 3/4" - 1500	1/2" - 3000,	3/4" - 4500,	above 1" - 3 month's average bill is taken as deposit		1998-99	No	No	Domestic - 2.04/10 kl Non-domestic - 18/10 kl
23	Bhandara		253	955	955	955		1997	No	No	
24	Amalner		n.a.					n.a.	No	No	
25	Amravati										

Source: NIUA Survey, 1999

**AT-8**  
**Water Tariff and Connection Charges**  
**Orissa**

**AT-1: Water Tariff and Connection Charges, 1999  
Orissa**

Sl. No.	City/Town	Cost of production of water (1997-98)*	Domestic			Non-Domestic		Industrial		Commercial			
			Metered		Unmetered	Metered		Metered	Unmetered	Metered	Unmetered		
			Consumption based rates		Flat rate (Rs. /year)	Volumetric rate (Rs./KI/ month)	Increasing block tariff (Rs./month)	Volumetric rate (Rs./KI/ month)	Flat rate (Rs. /year)	Volumetric rate (Rs./KI/ month)	Ferrule based rates		Others
			Rs./kl	Volumetric rate (Rs./KI)							Increasing block tariff (Rs./month)	Ferrule size	Rs. /year
1	Bhubaneshwar	2.39	1.81		Rs. 36 per month up to two taps and Rs. 12 or each additional tap			3.63		4.24			
2	Cuttack	1.96	2.00		Rs. 40 per month for two taps			4.65		4.65			
3	Puri	1.75	2.00		Rs. 40 per month for two taps			4.00		4.65			
4	Rourkela	n.a.	1.83		n.a.			4.25		4.25			
5	Sambalpur	n.a.	1.50		Rs. 30 per month for two taps			3.00		3.00			
6	Balangir	2.35			Rs. 40 per month for two taps			4.40		5.10			
7	Bhadrak	n.a.			Water tax @ 10% of ARV			n.a		n.a			

Source: NIUA Survey, 1999

**AT-1: Water Tariff and Connection Charges, 1999  
Orissa**

Sl. No.	City/Town	Institutional		One time water connection charges (in Rs.)					Year of last revision	Water tax
		Metered	Unmetered	Domestic	Industrial	Commercial	Institutional	Others (specify)		
		Volumetric rate (Rs./KI/month)	Others Flat rate (Rs./year)							
1	Bhubaneswar	4.24		3000	5000	5000	4000		Aug. 1996	
2	Cuttack	4.65		3000	5000	5000	4000		10% enhancement	
3	Puri	4.65		3000	5000	5000	4000		Aug. 1996	
4	Rourkela	4.25		3000	5000	5000	4000		1996	
5	Sambalpur	3.50		3000	5000	5000	4000		1996	
6	Balangir	5.10		3000	5000	5000	4000		1996	
7	Bhadrak	n.a		n.a	n.a	n.a	n.a			
Source: NIUA Survey, 1999										

**AT-9**  
**Water Tariff and Connection Charges**  
**Punjab**

**AT-8: Water Tariff and Connection Charges, 1999**

Punjab

Sl.No.	City/Town	Cost of production of water (1997-98)*	Domestic		Non-Domestic	Industrial		Commercial	
			Metered	Unmetered	Unmetered	Metered	Unmetered	Metered	Unmetered
			Volumetric rate (Rs./KI/ month)	Others	Others	Volumetric rate (Rs./KI/ month)	Others	Volumetric rate (Rs./KI/ month)	Others
				Flat rate (Rs./year)	Flat rate (Rs./year)		Flat rate (Rs./year)		Flat rate (Rs./year)
Rs./kl									
1	Ludhiana	3.60		600			1200		1200
2	Amritsar	2.50	1.20	360 or Rs. 20.00 per month for first tap and Rs. 7.50 for additional tap		2.50		2.50	
3	Jalandhar	0.46		90	180				
4	Patiala	n.a.	1.20	Rs. 20.00 per month for first tap and Rs. 7.50 for 2nd tap, 4.00 for additional tap	Rs. 60 per tap	2.50	Rs. 60 per tap	2.50	
5	Pathankot	5.00	1.20	240		2.50	360	2.50	360
6	Bathinda	1.96	1.20			2.50		2.50	
7	Moga	1.20	1.20	Rs. 20.00 per tap/ month		2.50	Rs. 150/ tap/month	2.50	Rs. 150/ tap/month
8	Hoshiarpur	1.62	1.20	240		2.40	480	2.40	480
9	Phagwara	4.73	1.20	Rs. 20.00 per month for first tap and Rs. 7.50 for each subsequent tap		2.50		2.50	
10	Ferozpur	0.90	n.a.	Rs. 20.00 per tap/ month					Rs. 40 per tap/month
11	Kapurthala	1.00	1.20	Rs. 20.00 per month for first tap and Rs. 7.50 for each subsequent tap		2.50		2.50	
12	Sangrur	0.68	1.20	360		2.50	720	2.50	720
13	Mansa	n.a.		240	n.a.				

Source: NIUA Survey, 1999

\* Estimated by respective local governments/authorities

**AT-8: Water Tariff and Connection Charges, 1999**

Punjab

Sl.No.	City/Town	Institutional		One time water connection charges (in Rs.)					Year of last revision	Water tax
		Metered	Unmetered	Domestic	Industrial	Commercial	Institutional	Others (specify)		
		Volumetric rate (Rs./Kl/ month)	Others  Flat rate (Rs./year)							
1	Ludhiana								1999	No
2	Amritsar			21	21	21			1993	No
3	Jalandhar			15	15	15			1999	No
4	Patiala			175	175	175	175		1993	No
5	Pathankot			n.a.	n.a.	n.a.	n.a.		1995	No
6	Bathinda			n.a.	n.a.	n.a.	n.a.		1993	No
7	Moga			100	100	100			1998	No
8	Hoshiarpur	2.40	480	100	100	100	100		1992	No
9	Phagwara			34	34	34			n.a.	No
10	Ferozpur			n.a.	n.a.	n.a.	n.a.		1994	No
11	Kapurthala			50	50	50	50		1997	No
12	Sangrur			400	800	800			1993	No
13	Mansa			n.a.	n.a.	n.a.	n.a.		n.a.	No
Source: NIUA Survey, 1999										

**AT-10**  
**Water Tariff and Connection Charges**  
**Rajasthan**

**AT-9: Water Tariff and Connection Charges, 1999**  
Rajasthan

Sl.No.	City/Town	Cost of production of water (1997-98)*	Domestic				Non-Domestic			
			Metered		Unmetered (Flat rate)		Metered		Unmetered	
			Consumption based rates		Based on ferrule size		Increasing block tariff (Rs./month)	Based on ferrule size		
			Rs./kl	Increasing block tariff (Rs./month)	Ferrule size	Rs. /year		Flat rate (Rs./year)	Ferrule size	Rs. /year
	<b>For all urban areas of the state</b>	n.a.	1.56/kl - upto 15 kl	15 mm	min. 240	300 for 2 taps (for 15 mm connection)	4.68/kl - upto 15 kl	15 mm	min. 612	
			3.00/kl - for 15 - 40 kl	20 mm	min. 1440		8.25/kl - for 15 - 40 kl	20 mm	min. 1440	
			4.00/kl - above 40 kl	25 mm	min. 4440		11.00/kl - above 40 kl	25 mm	min. 4440	
				40 mm	min. 10440			40 mm	min. 10440	
				50 mm	min. 13440			50 mm	min. 13440	
				80 mm	min. 26940			80 mm	min. 26940	
				100 mm	min. 53940			100 mm	min. 53940	
			150 mm	min. 134940		150 mm	min. 134940			
Source: NIUA Survey, 1999		* Estimated by respective local governments/authorities								

**AT-9: Water Tariff and Connection Charges, 1999**  
Rajasthan

Sl.No.	City/Town	Industrial			One time water connection charges (in Domestic)	Year of last revision	Water tax
		Metered	Unmetered				
		Increasing block tariff (Rs./month)	Based on ferrule size				
			Ferrule size	Rs. /year			
	<b>For all urban areas of the state</b>	11.00/kl upto 15 kl	15 mm	min. 1440	15.00 per sq. mtr. of total plot area	1998	No
		13.75/kl for 15 - 40 kl	20 mm	min. 2880			
		16.50/kl above 40 kl	25 mm	min. 5760			
			40 mm	min. 10500			
			50 mm	min. 13500			
			80 mm	min. 27000			
			100 mm	min. 54000			
			150 mm	min. 135000			
Source: NIUA Survey, 1999							

**AT-11**  
**Water Tariff and Connection Charges**  
**Tamil Nadu**

**AT-10: Water Tariff and Connection Charges, 1999**

Tamil Nadu

Sl.No.	City/Town	Cost of production of water (1997-98)*	Domestic			Non-Domestic		
			Metered		Unmetered	Metered		Unmetered
			Consumption based rates		Flat rate (Rs./year)	Volumetric rate (Rs./Kl/month)	Increasing block tariff (Rs./month)	Others
			Rs./kl	Volumetric rate (Rs./Kl/month)				Increasing block tariff (Rs./month)
1	Chennai	n.a.		2.50/kl upto 10 kl	600			
				10.00/kl for 10-15 kl				
				15.00/kl for 15-25 kl				
				25.00/kl above 25 kl				
2	Madurai	n.a.	5.00		240			
3	Coimbatore	n.a.		Free - upto 100 litres/day	Min. 300		5.00/kl upto 50 kl	
				2.50/kl upto 50 kl			6.00/kl for 50-100 kl	
				3.00/kl for 50-100 kl			7.00/kl for 100-200 kl	
				3.50/kl for 100-200 kl			8.00/kl above 200 kl	
				4.00/kl above 200 kl				
4	Tiruchirapalli	67.00	5.00		420	15.00		
5	Salem	n.a.	3.00			6.00		
6	Tirunelveli	n.a.	2.00		240			
7	Tirupur	1.74	2.00		240			
8	Thanjavur	n.a.	3.00			6.00		
9	Tuticorin	n.a.	3.50					
10	Dindigul	n.a.	3.00					
11	Nagercoil	n.a.	2.00					
12	Vellore	0.86			240			
13	Erode	n.a.	2.00		240			
14	Cuddalore	n.a.			240			480
15	Kanchipuram	n.a.	3.00		360			

Source: NIUA Survey, 1999

\* Estimated by respective local governments/authorities

**AT-10: Water Tariff and Connection Charges, 1999**

Tamil Nadu

Sl.No.	City/Town	Industrial			Commercial			Institutional		
		Metered		Unmetered	Metered		Unmetered	Metered		Unmetered
		Volumetric rate (Rs./Kl/month)	Increasing block tariff (Rs./month)	Others	Volumetric rate (Rs./Kl/month)	Increasing block tariff (Rs./month)	Others	Volumetric rate (Rs./Kl/month)	Increasing block tariff (Rs./month)	Others
Flat rate (Rs./year)	Flat rate (Rs./year)			Flat rate (Rs./year)						
1	Chennai		25.00/kl upto 500 kl 40.00/kl above 500 kl	4800		5.00/kl upto 10 kl 15.00/kl for 10-15 kl 25.00/kl above 15 kl	1800	20.00		2400
2	Madurai	20.00		3360	20.00		3360	14.00		2160
3	Coimbatore					Free - upto 100 litres/day 5.00/kl upto 50 kl 6.00/kl for 50-100 kl 7.00/kl for 100-200 kl 8.00/kl above 200 kl			2.50/kl upto 50 kl 3.00/kl for 50-100 kl 3.50/kl for 100-200 kl 4.00/kl above 200 kl	
4	Tiruchirapalli	20.00								
5	Salem									
6	Tirunelveli	4.00		480	6.00		720			
7	Tirupur	4.00			6.00		480	2.00		
8	Thanjavur									
9	Tuticorin	7.00			7.00			10.50		
10	Dindigul	6.00			6.00			6.00		
11	Nagercoil	6.00			4.00					
12	Vellore						480			720
13	Erode	6.00			6.00					
14	Cuddalore									
15	Kanchipuram	6.00			9.00					

Source: NIUA Survey, 1999

**AT-10: Water Tariff and Connection Charges, 1999**

Tamil Nadu

Sl.No.	City/Town	One time water connection charges (in Rs.)					Year of last revision	Stand post charges	Water tax	Rate of bulk water purchase
		Domestic	Industrial	Commercial	Institutional	Others (specify)				
1	Chennai	n.a.					n.a.	No	7%	-
2	Madurai	1000	3000	3000	2000		1994	No	No	-
3	Coimbatore	3000	7500	7500			n.a.	No	5.94% of ARV	
4	Tiruchirapalli	2000	5000	5000			1995	No	3.5% of property tax	-
5	Salem	5000	25000	10000			1998	No	9% of ARV	-
6	Tirunelveli	3000	5000	5000			1993	No	3.75% of ARV	
7	Tirupur	2000	5000	5000	5000		1997	No	16.75%	3.50/kl to TWAD Board
8	Thanjavur	1350	3350	3350			1994	No	4.625% of ARV	-
9	Tuticorin						1996	No	6.75%	-
10	Dindigul	1000	3000	3000			1996	No	n.a	2.50/kl
11	Nagercoil	2000	6000	4000			n.a.	No	7% of ARV	-
12	Vellore						1993	No	6.25% of ARV	-
13	Erode	2000	3000	5000			1994	No	6.75%	-
14	Cuddalore	2000	4000	4000			1994	No	4.625% of ARV	-
15	Kanchipuram	3000	5000	8000			1995	No	5.25%	

Source: NIUA Survey, 1999

**AT-10: Water Tariff and Connection Charges, 1999**

Tamil Nadu

Sl.No.	City/Town	Cost of production of water (1997-98)*	Domestic			Non-Domestic		
			Metered		Unmetered	Metered		Unmetered
			Consumption based rates		Flat rate (Rs./year)	Volumetric rate (Rs./Kl/month)	Increasing block tariff (Rs./month)	Others
			Rs./kl	Volumetric rate (Rs./Kl/month)				Increasing block tariff (Rs./month)
16	Kumbakonam	n.a.	2.00		240	4.00		
17	Thiruvannamalai	n.a.	1.25		300			
18	Rajapalayam	n.a.	2.00		240			
19	Nagapatinam	n.a.			240		480	
20	Puddukottai	n.a.			816			
21	Udhagamandalam	n.a.	2.00			6.00		
22	Gudiyatham				240			
23	Arrakonam		2.00		480	4.00	960	
24	Ambur		1.00					
25	Srivilliputtur		2.00		240			
26	Sivakasi	4.10	2.00		240			
27	Tindivanam		2.00		300			
28	Dharmapuri		2.00					
29	Attur				504			
30	Cumbum		3.00		360			
Source: NIUA Survey, 1999		* Estimated by respective local governments/authorities						

**AT-10: Water Tariff and Connection Charges, 1999**

Tamil Nadu

Sl.No.	City/Town	Industrial			Commercial			Institutional		
		Metered		Unmetered	Metered		Unmetered	Metered		Unmetered
		Volumetric rate (Rs./KI/month)	Increasing block tariff (Rs./month)	Others	Volumetric rate (Rs./KI/month)	Increasing block tariff (Rs./month)	Others	Volumetric rate (Rs./KI/month)	Increasing block tariff (Rs./month)	Others
Flat rate (Rs./year)	Flat rate (Rs./year)			Flat rate (Rs./year)						
16	Kumbakonam									
17	Thiruvannamalai	3.75		600	2.50		600			
18	Rajapalayam	4.00		480	6.00		720			
19	Nagapatinam									
20	Puddukottai			1608			2400			
21	Udhagamandalam									
22	Gudiyatham			480			720			
23	Arrakonam									
24	Ambur	4.00			6.00					
25	Srivilliputtur	4.00		480	6.00		720			
26	Sivakasi	4.00		480	6.00		720			
27	Tindivanam	4.00			6.00					
28	Dharmapuri	4.00			6.00					
29	Attur			1008			1008			
30	Cumbum				9.00					
Source: NIUA Survey, 1999										

**AT-10: Water Tariff and Connection Charges, 1999**

Tamil Nadu

Sl.No.	City/Town	One time water connection charges (in Rs.)					Year of last revision	Stand post charges	Water tax	Rate of bulk water purchase
		Domestic	Industrial	Commercial	Institutional	Others (specify)				
16	Kumbakonam	1000	2000	2000			1992	No	5.25% of ARV	-
17	Thiruvannamalai	2000	3000	5000			1991	No	12%	-
18	Rajapalayam	1000	3000	3000			1994	No	5% of ARV	-
19	Nagapatinam	2000	4000	4000			1994	No	8% of ARV	-
20	Puddukottai	2000	3000	5000			1994		12% of ARV	
21	Udhagamandalam	1000	2000	2000			1993		13% of ARV	
22	Gudiyatham	1000	2000	3000			1994		5% of ARV	
23	Arrakonam	1000	2000				1999		10% of ARV	
24	Ambur	1000	2000	3000			1994		6.5% of ARV	
25	Srivilliputtur	1000	2000	2000			1994		13% of ARV	
26	Sivakasi	1000	3000	3000			1994		13% of ARV	
27	Tindivanam	1000	2000	3000			1994		4.50%	
28	Dharmapuri	1000	2000	2000			1996		5.25%	
29	Attur	1000	3000	3000			1996		4% of ARV	
30	Cumbum	n.a.					1999		25%	3.50/kl

Source: NIUA Survey, 1999

**AT-12**  
**Water Tariff and Connection Charges**  
**Uttar Pradesh**

**AT-11: Water Tariff and Connection Charges, 1999**

Uttar Pradesh

Sl. No.	City/Town	Cost of production of water (1997-98)*	Domestic				
			Metered		Unmetered		
			Consumption based rates		Ferrule based rates		Others
			Rs./kl	Volumetric rate (Rs./Kl/ month)	Increasing block tariff (Rs./month)	Ferrule size	Rs. /year
1	Kanpur	3.48	2.00		For assessed properties		
					ARV slab based		
					15mm	min. 360	
					20 mm	min 540	
					25 mm	min. 840	
					For unassessed properties		
					15 mm	min. 600	
					20 mm	min. 1800	
					25 mm	min. 2400	
2	Lucknow	4.00	2.00				
3	Varanasi	1.58	2.00			n.a	n.a.
4	Meerut	n.a.	2.20				Min. 540
5	Agra	1.10	3.00				360
6	Allahabad	3.00	2.50				900
7	Ghaziabad	n.a.	0.60		Only water tax charged from all connections		
8	Bareilly	1.70	0.75				96
9	Moradabad	n.a.					180
10	Gorakhpur	1.70	0.75		Only water tax charged from all connections		
11	Aligarh	4.95	1.75				
12	Saharanpur	n.a.	0.60				
13	Jhansi	9.00	2.00				480
14	Mathura	n.a	1.00				
					ARV based slabs(within city limits)		
15	Muzzafarnagar	n.a.	0.60 within city limits		12 mm	300 - 840	
			1.10 outside city limits		20 mm	420 - 1020	
					25 mm	600 - 1200	
					Outside city limits		
					12 mm	1200	
					20 mm	1440	
					25 mm	2400	
16	Rampur	n.a.	0.80	Min. 25.00 per month			360

Source: NIUA Survey, 1999

\* Estimated by respective local governments/authorities

**AT-11: Water Tariff and Connection Charges, 1999**  
Uttar Pradesh

Sl. No.	City/Town	Non-Domestic				Industrial			
		Metered	Unmetered			Metered	Unmetered		
		Volumetric rate (Rs./KI/month)	Ferrule based rates		Others	Volumetric rate (Rs./KI/month)	Ferrule based rates		Others
			Ferrule size	Rs. /year	Flat rate (Rs. /year)		Ferrule size	Rs. /year	Flat rate (Rs. /year)
1	Kanpur				10.00	15 mm	min. 4800		
						20 mm	min. 7200		
						25 mm	min. 12000		
2	Lucknow								
3	Varanasi	6.00		650					
4	Meerut	10.00		Min. 1200					
5	Agra				22.80				
6	Allahabad				12.50				
7	Ghaziabad				1.10				
8	Bareilly				2.50			360	
9	Moradabad							-	
10	Gorakhpur				2.00				
11	Aligarh				3.00				
12	Saharanpur	1.10							
13	Jhansi	4.00							
14	Mathura				2.00				
			Within city limits						
15	Muzzafarnagar	1.10 within city limits	12 mm	420 - 5400					
		2.00 outside city limits	20 mm	480 - 6600					
			25 mm	720 - 7200					
			Outside city limits						
			Twice the domestic rate						
16	Rampur	1.50		600					

Source: NIUA Survey, 1999

**AT-11: Water Tariff and Connection Charges, 1999**  
Uttar Pradesh

Sl. No.	City/Town	Commercial				Institutional			
		Metered	Unmetered			Metered	Unmetered		
		Volumetric rate (Rs./KI/month)	Ferrule based rates		Others	Volumetric rate (Rs./KI/month)	Ferrule based rates		Others
			Ferrule size	Rs. /year	Flat rate (Rs. /year)		Ferrule size	Rs. /year	Flat rate (Rs. /year)
1	Kanpur	6.00	15 mm	min. 3600		4.00	15 mm	min. 1200	
			20 mm	min. 5400			20 mm	min. 1800	
			25 mm	min. 9000			25 mm	min. 3000	
2	Lucknow	6.00				4.00			
3	Varanasi								
4	Meerut								
5	Agra	22.80							
6	Allahabad	7.50				5.00			
7	Ghaziabad	1.10				0.60			
8	Bareilly	2.00			360	0.75			96
9	Moradabad				360				-
10	Gorakhpur	2.00				2.00			
11	Aligarh	3.00				3.00			
12	Saharanpur								
13	Jhansi								
14	Mathura	2.00				1.00			
15	Muzzafarnagar								
16	Rampur								
Source: NIUA Survey, 1999									

### AT-11: Water Tariff and Connection Charges, 1999

Uttar Pradesh

Sl. No.	City/Town	One time water connection charges (in Rs.)					Year of last revision	Water tax
		Domestic	Industrial	Commercial	Institutional	Others (specify)		
1	Kanpur	1000	1000	1000			1994	n.a
							(revised annually at 10%)	
2	Lucknow	n.a.	n.a.	n.a.			1996	12.5% of ARV
3	Varanasi	1560	1560	1560			1994	14% of ARV
							(revised annually at 15%)	
4	Meerut	Avg. 500	Avg. 500	Avg. 500			1998	No
5	Agra	275	275	275	275		1994	14% of ARV
6	Allahabad	5000					1999	14% of ARV
7	Ghaziabad				500 - 700		n.a.	10% of ARV
8	Bareilly	120	120	120	120		1986	10% of ARV
9	Moradabad	300		450			1999	10% of ARV
10	Gorakhpur	About 500	About 1000	About 1000	About 1000		1990	14% of ARV
11	Aligarh				135 + road cutting charges		1997	7% of ARV
12	Saharanpur	500		1250	500		1987	12% of ARV
13	Jhansi	About 650	About 650	About 650	About 650		1994	12.5% of ARV
14	Mathura	About 250	About 250	About 250	About 250		1999	17.5% of ARV
15	Muzzafarnagar	500 for 15 mm 800 for 20 mm	1000 for 15 mm 1500 for 20 mm	1000 for 15 mm 1500 for 20 mm	1000 for 15 mm 1500 for 20 mm		1998	10% of ARV
16	Rampur	About 250	About 250	About 250	About 250		1999	10% of ARV

Source: NIUA Survey, 1999

**AT-11: Water Tariff and Connection Charges, 1999**

Uttar Pradesh

Sl. No.	City/Town	Cost of production of water (1997-98)*	Domestic				
			Metered		Unmetered		
			Consumption based rates		Ferrule based rates	Others	
			Rs./kl	Volumetric rate (Rs./Kl/ month)	Increasing block tariff (Rs./month)	Ferrule size	Rs. /year
17	Haridwar	0.74		Monthly rate by size of plot			
				Rs. 15 upto 50 sq.m.			
				Rs. 20 for 50 - 100 sq.m.			
				Rs. 25 for 100-200 sq.m.			
				Rs. 50 for 200 - 300 sq.m.			
				Rs. 65 for 300 - 500 sq.m.			
				Rs. 100 above 500 sq.m.			
18	Firozabad	0.60	0.22				180
19	Mirzapur	n.a.	0.22				36
20	Hapur	n.a.	0.30				120
21	Rae Bareli	1.07	Meters not read, so unmetered rates applied				240
22	Faizabad	n.a.	0.50				36
23	Orai	2.07	2.00				480
24	Mughalsarai	n.a.	Meters not read				120
25	Sitapur	n.a.	0.22				36
26	Haldwani	1.15	Meters not read				600
27	Etawah	0.41	0.60				
28	Etah	2.61	1.00				
29	Bhadohi	n.a.	Meters not read				96
30	Unnao	0.50	n.a.				36
31	Gonda	n.a.	Only water tax charged from all consumers				1
32	Basti	0.40	0.50				36
33	Roorkee	n.a.	0.60	(Meters generally not read)			
34	Lalitpur	6.00					120
35	Lakhimpur	n.a.	2.00				120
36	Ghazipur	n.a.	0.18				240
37	Barabanki	n.a.	1.50				
38	Auraiya	0.49	Meters not read				
39	Chandpur	0.82	0.25				120
40	Balrampur	n.a.					36
Source: NIUA Survey, 1999		* Estimated by respective local governments/authorities					

**AT-11: Water Tariff and Connection Charges, 1999**  
Uttar Pradesh

Sl. No.	City/Town	Non-Domestic				Industrial			
		Metered	Unmetered			Metered	Unmetered		
		Volumetric rate (Rs./KI/month)	Ferrule based rates		Others	Volumetric rate (Rs./KI/month)	Ferrule based rates		Others
			Ferrule size	Rs. /year	Flat rate (Rs. /year)		Ferrule size	Rs. /year	Flat rate (Rs. /year)
17	Haridwar				240 - 3600				
18	Firozabad				n.a.				
19	Mirzapur	1.10			50				
20	Hapur	0.40			180				
21	Rae Bareli				600				
22	Faizabad	1.00			36				
23	Orai	4.00			744				
24	Mughalsarai				180				
25	Sitapur	0.22			36				
26	Haldwani								720
27	Etawah								
28	Etah								
29	Bhadohi				n.a.				
30	Unnao				36				
31	Gonda								
32	Basti					1.00			
33	Roorkee					1.10			
34	Lalitpur								
35	Lakhimpur	4.00			240				
36	Ghazipur								
37	Barabanki	2.00							
38	Auraiya								
39	Chandpur		0.35		180				
40	Balrampur				54				

Source: NIUA Survey, 1999

**AT-11: Water Tariff and Connection Charges, 1999**  
Uttar Pradesh

Sl. No.	City/Town	Commercial				Institutional			
		Metered	Unmetered			Metered	Unmetered		
		Volumetric rate (Rs./KI/month)	Ferrule based rates		Others	Volumetric rate (Rs./KI/month)	Ferrule based rates		Others
			Ferrule size	Rs. /year	Flat rate (Rs. /year)		Ferrule size	Rs. /year	Flat rate (Rs. /year)
17	Haridwar								
18	Firozabad								
19	Mirzapur								
20	Hapur								
21	Rae Bareli								
22	Faizabad								
23	Orai								
24	Mughalsarai								
25	Sitapur								
26	Haldwani				720				
27	Etawah	1.10				1.10			
28	Etah	1.50							
29	Bhadohi								
30	Unnao								
31	Gonda								
32	Basti	1.00				0.50			
33	Roorkee	1.10							
34	Lalitpur				240				
35	Lakhimpur								
36	Ghazipur	0.27							
37	Barabanki								
38	Auraiya								
39	Chandpur								
40	Balrampur								
Source: NIUA Survey, 1999									

**AT-11: Water Tariff and Connection Charges, 1999**

Uttar Pradesh

Sl. No.	City/Town	One time water connection charges (in Rs.)					Year of last revision	Water tax
		Domestic	Industrial	Commercial	Institutional	Others (specify)		
17	Haridwar	300	800	800			1997	10% of ARV
18	Firozabad	About 300	About 300	About 300	About 300		n.a.	n.a.
19	Mirzapur	750	-	-	-		1971	10% of ARV
20	Hapur	500	500	500			1990	10% of ARV
21	Rae Bareli	500	1000	1000			1999	n.a.
22	Faizabad	-	-	-	-		Long time ago	n.a.
23	Orai	450	550	550			1994	12.5% of ARV
24	Mughalsarai	250	250	250	250		1983	7.8% of ARV
25	Sitapur	-	-	-	-		Long time ago	7.5% of ARV
26	Haldwani	2000	2500	-	-		1999	12.5% of ARV
27	Etawah	n.a.	n.a.	n.a.	n.a.		1990	10% of ARV
28	Etah	1000	1000	1000	1000		Long time ago	10% of ARV
29	Bhadohi	500	500	500	500		1988	7.5% of ARV
30	Unnao	-	-	-	-		Long time ago	n.a.
31	Gonda	300	500	500			n.a.	10% of ARV
32	Basti	About 150	About 150	About 150	About 150		1982	10% of ARV
33	Roorkee	500	500	500			1985	10% of ARV
34	Lalitpur	Min. 500	Min. 500	Min. 500			1994	12.5% of ARV
35	Lakhimpur	n.a.	n.a.	n.a.	n.a.		n.a.	10% of ARV
36	Ghazipur	1500	-	200	-		1982	12.5% of ARV
37	Barabanki	n.a.	n.a.	n.a.	n.a.		Long time ago	10-12.5% of ARV
38	Auraiya	Avg. 300	Avg. 300	Avg. 300			n.a.	9% of ARV
39	Chandpur	Approx. 200	Approx. 200				1993	10% of ARV
40	Balrampur	Avg. 250	Avg. 250	Avg. 250	Avg. 250		Long time ago	10% of ARV
Source: NIUA Survey, 1999								

**AT-13**  
**Water Tariff and Connection Charges**  
**West Bengal**

**AT-12: Water Tariff and Connection Charges, 1999**

West Bengal

Sl.No.	City/Town	Cost of production of water (1997-98)*	Domestic			Non-Domestic			Industrial	
			Unmetered (Flat rate)			Unmetered			Unmetered (Flat rate)	
			Ferrule based rates		Others	Ferrule based rates		Others	Ferrule based rates	
			Rs./kl	Ferrule size	Rs. /year	Flat rate (Rs./year)	Ferrule size	Rs. /year	Flat rate (Rs./year)	Ferrule size
1	Calcutta	1.64	10 mm	Free		1/ 8"	1560			
			15 mm	120		3/ 16"	2280			
			20 mm	480		1/ 4"	3120			
			25 mm	780		3/ 8"	5280			
						7/ 16"	6000			
						1/ 2"	7200			
						> 1/2"	10800			
						3/ 4"	18000			
						1"	28800			
2	Asansol	n.a.			Nil		Nil			
3	Siliguri	n.a.			Nil					
4	Burdwan	n.a.			Nil					
5	Barasat	1.12			Nil					
6	Midnapore	n.a.			Nil					
7	Bankura	2.33			Nil					
8	Darjeeling	n.a.	3/8"	240				3/8"	1000 - 1500	
			1/2"	360				1/2"	2000 - 5000	
			3/4"	480				3/4"	5000 - 20000	
9	Halisahar	0.91			Nil					
10	Krishnagar	n.a.			Nil					
11	Berhampur	2.21			Nil					
12	Santipur	n.a.			Nil					
13	Balurghat	2.59			Nil					
Source: NIUA Survey, 1999		* Estimated by respective local governments/authorities								

**AT-12: Water Tariff and Connection Charges, 1999**  
West Bengal

Sl.No.	City/Town	One time water connection charges (in Rs.)				Year of last revision	Water tax	
		Domestic	Industrial	Commercial	Institutional			
1	Calcutta	10 mm - 10000 15 mm - 15000 20 mm - 20000 25 mm - 25000	Very elaborate structure - Ranges from 275 to 10500 (schedule attached)			1998	n.a.	
2	Asansol	5000	-	10000	-	n.a.	No	
3	Siliguri						No	
4	Burdwan	1000	1000	1000	1000	n.a.	No	
5	Barasat	1340	-	-	2500	n.a.	No	
6	Midnapore	Min. 5590	n.a.	n.a.	n.a.	No	No	
7	Bankura	1100 - 2100		2600				
8	Darjeeling	6750		26750			No	
9	Halisahar	500	500	500	500		No	
10	Krishnagar	910	910	910	910		No	
11	Berhampur	4000						
12	Santipur	n.a.	n.a.	n.a.	n.a.		No	
13	Balurghat	n.a.	n.a.	n.a.	n.a.			
Source: NIUA Survey, 1999								

**AT-12: Water Tariff and Connection Charges, 1999**  
West Bengal

Sl.No.	City/Town	Cost of production of water (1997-98)*	Domestic			Non-Domestic			Industrial	
			Unmetered (Flat rate)			Unmetered			Unmetered (Flat rate)	
			Ferrule based rates		Others	Ferrule based rates		Others	Ferrule based rates	
			Rs./kl	Ferrule size	Rs. /year	Flat rate (Rs./year)	Ferrule size	Rs. /year	Flat rate (Rs./year)	Ferrule size
14	Raniganj	2.89			Nil					
15	North Barrackpur	0.76			Nil					
16	Contai				Nil					
17	Jalpaiguri	2.15			Nil					
18	Cooch Behar	n.a.			Nil					
19	Chakdaha	0.87			Nil					
20	Jangipur				360			360		
21	Katwa				316					
22	Bishnupur				Nil					
Source: NIUA Survey, 1999		* Estimated by respective local governments/authorities								

**AT-12: Water Tariff and Connection Charges, 1999**  
West Bengal

Sl.No.	City/Town	One time water connection charges (in Rs.)				Year of last revision	Water tax
		Domestic	Industrial	Commercial	Institutional		
14	Raniganj	5000	5000	5000	5000		No
15	North Barrackpur	900 -1300		1200 - 2000	900 - 1300		No
16	Contai	n.a.	n.a.	n.a.	n.a.		
17	Jalpaiguri	3000		10000	3000		No
18	Cooch Behar	1000	1000	1000	1000		No
19	Chakdaha	n.a.	n.a.	n.a.	n.a.		No
20	Jangipur	n.a.	n.a.	n.a.	n.a.		No
21	Katwa	3000 - 3500					No
22	Bishnupur	1500		2000			No
Source: NIUA Survey, 1999							

**AT-14**

**Water Tariff and Connection Charges  
Small States and Union Territories**

**AT-13: Water Tariff and Connection Charges, 1999**  
Small States and Union Territories

Sl.No.	City/Town	Cost of production of water (1997-98)*	Domestic				
			Metered		Unmetered		
			Consumption based rates		Ferrule based rates		Others
			Rs./kl	Volumetric rate (Rs./kl/ month)	Increasing block tariff (Rs./month)	Ferrule size	Rs./year
	<b>Chandigarh</b>						
1	Chandigarh	n.a.		0.70/kl - upto 15 kl			
				1.30/kl - for 15 - 30 kl			
				1.80/kl - above 30 kl			
2	<b>Delhi</b>						
	MCD & NDMC	2.33		Min.20.00/month			20.00/month + 50% surcharge
				0.35p/kl upto 10 kl			Rate doubled after three months of having unmetered connection
				1.00/kl for 10 - 20 kl			
				1.50/kl for 20 - 30 kl			
				3.00/kl above 30 kl			
				In addition to above a surcharge of 50% of the rate is levied per kl per month for all consumers.			
				NDMC levies an additional surcharge of 0.02% to the above			
	<b>J&amp;K</b>						
3	Jammu						180
	<b>Arunachal Pradesh</b>						
4	Itanagar						160
	<b>Assam</b>						
5	Guwahati	2.97					Only water tax levied
	<b>Goa</b>						
6	Panjim			Minimum charge - 20.00			
				2.00/kl - upto 30 kl			
				4.00/kl - above 30 kl			
Source: NIUA Survey, 1999		* Estimated by respective local governments/authorities					

**AT-13: Water Tariff and Connection Charges, 1999**  
Small States and Union Territories

Sl.No.	City/Town	Non-Domestic				Industrial	
		Metered		Unmetered		Metered	Unmetered
		Volumetric rate (Rs./Kl/ month)	Increasing block tariff (Rs./month)	Ferrule based rates	Others	Volumetric rate (Rs./Kl/ month)	Others
		Ferrule size	Rs./year	Flat rate (Rs./year)		Flat rate (Rs./year)	
	<b>Chandigarh</b>						
1	Chandigarh					3.00	
2	<b>Delhi</b>						
	MCD & NDMC		Min. 100 - 300/month				
			5.00-8.00/kl - upto 50 kl				
			10.00-12.00/kl for 50-100 kl				
			16.00/kl above 100 kl				
			In addition to above a surcharge of 50% of the rate is levied per kl per month for all consumers				
	<b>J&amp;K</b>						
3	Jammu					n.a.	
	<b>Arunachal Pradesh</b>						
4	Itanagar						600
	<b>Assam</b>						
5	Guwahati						
	<b>Goa</b>						
6	Panjim	For small hotels	For defence			26.00/ kl	
		Min. 150/ month	7.00/kl - upto 100 kl				
		10.00/kl	9.00/kl - above 100 kl				

Source: NIUA Survey, 1999



**AT-13: Water Tariff and Connection Charges, 1999**  
Small States and Union Territories

Sl.No.	City/Town	One time water connection charges (in Rs.)				Year of last revision	Water tax
		Domestic	Industrial	Commercial	Institutional		
	<b>Chandigarh</b>						
1	Chandigarh	n.a.	n.a.	n.a.	n.a.	1995	No
2	<b>Delhi</b>						
	MCD & NDMC	n.a.	n.a.	n.a.		1998	No
	<b>J&amp;K</b>						
3	Jammu	630	n.a.	n.a.	n.a.	n.a	n.a
	<b>Arunachal Pradesh</b>						
4	Itanagar	n.a.	n.a.	n.a.	n.a.	n.a	No
	<b>Assam</b>						
5	Guwahati	n.a.	n.a.	n.a.	n.a.		10% of ARV
	<b>Goa</b>						
6	Panjim	400	n.a.	n.a.	n.a.	1999	n.a.
Source: NIUA Survey, 1999							

**AT-13: Water Tariff and Connection Charges, 1999**  
Small States and Union Territories

Sl.No.	City/Town	Cost of production of water (1997-98)*	Domestic					
			Metered		Unmetered			
			Consumption based rates		Ferrule based rates		Others	
			Rs./kl	Volumetric rate (Rs./Kl/ month)	Increasing block tariff (Rs./month)	Ferrule size	Rs./year	Flat rate (Rs./year)
	<b>Himachal Pradesh</b>							
7	Shimla	n.a.	1.80					
	<b>Manipur</b>							
8	Imphal	2.43					900	
	<b>Meghalaya</b>							
9	Shillong	n.a.					840	
	<b>Mizoram</b>							
10	Aizwal	n.a.					1200	
	<b>Nagaland</b>							
11	Kohima	n.a.					1st Tap - 10.00/month Additional tap - 5.00/month	
	<b>Tripura</b>							
12	Agartala	20.00					Only water tax levied	
	<b>Andaman &amp; Nicobar Islands</b>							
13	Port Blair	5.43					216	
	<b>Dadra &amp; Nagar Haveli</b>							
14	Silvassa	1.72			1/2"	240		
					3/4"	420		
					1"	660		
	<b>Daman &amp; Diu</b>							
15	Daman	2.20		0.70/kl - upto 10 kl 1.50/kl - above 10 kl				
	<b>Lakshadweep</b>							
16	Kavaratti Island	There are no water charges in this town						
	<b>Pondicherry</b>							
17	Pondicherry	n.a.	0.50					

Source: NIUA Survey, 1999

\* Estimated by respective local governments/authorities

**AT-13: Water Tariff and Connection Charges, 1999**  
Small States and Union Territories

Sl.No.	City/Town	Non-Domestic				Industrial	
		Metered		Unmetered		Metered	Unmetered
		Volumetric rate (Rs./KI/ month)	Increasing block tariff (Rs./month)	Ferrule based rates		Volumetric rate (Rs./KI/ month)	Others Flat rate (Rs./year)
Ferrule size	Rs./year						
	<b>Himachal Pradesh</b>						
7	Shimla						
	<b>Manipur</b>						
8	Imphal						1440 - 9000
	<b>Meghalaya</b>						
9	Shillong					1440	
	<b>Mizoram</b>						
10	Aizwal						
	<b>Nagaland</b>						
11	Kohima					n.a.	
	<b>Tripura</b>						
12	Agartala						
	<b>Andaman &amp; Nicobar Islands</b>						
13	Port Blair						1356
	<b>Dadra &amp; Nagar Haveli</b>						
14	Silvassa			1/2"	1800		
				3/4"	3360		
				1"	5160		
	<b>Daman &amp; Diu</b>						
15	Daman					4.00	
	<b>Lakshadweep</b>						
16	Kavaratti Island						
	<b>Pondicherry</b>						
17	Pondicherry	1.00					

Source: NIUA Survey, 1999

**AT-13: Water Tariff and Connection Charges, 1999**  
Small States and Union Territories

Sl.No.	City/Town	Commercial			Institutional		
		Metered		Unmetered	Metered		Unmetered
		Volumetric rate (Rs./KI/month)	Increasing block tariff (Rs./month)	Others Flat rate (Rs./year)	Volumetric rate (Rs./KI/month)	Increasing block tariff (Rs./month)	Others Flat rate (Rs./year)
	<b>Himachal Pradesh</b>						
7	Shimla	6.00			1.80		
	<b>Manipur</b>						
8	Imphal			9000 - 18000			3600 - 9000
	<b>Meghalaya</b>						
9	Shillong						
	<b>Mizoram</b>						
10	Aizwal						
	<b>Nagaland</b>						
11	Kohima						
	<b>Tripura</b>						
12	Agartala						
	<b>Andaman &amp; Nicobar Islands</b>						
13	Port Blair			816			684.00
	<b>Dadra &amp; Nagar Haveli</b>						
14	Silvassa						
	<b>Daman &amp; Diu</b>						
15	Daman		Min. charge Rs. 100 1.00/kl - upto 10 kl 2.00/kl - above 10 kl			0.70/kl - upto 10 kl 1.50/kl - above 10 kl	
	<b>Lakshadweep</b>						
16	Kavaratti Island						
	<b>Pondicherry</b>						
17	Pondicherry						

Source: NIUA Survey, 1999

**AT-13: Water Tariff and Connection Charges, 1999**  
Small States and Union Territories

Sl.No.	City/Town	One time water connection charges (in Rs.)				Year of last revision	Water tax
		Domestic	Industrial	Commercial	Institutional		
	<b>Himachal Pradesh</b>						
7	Shimla	500		500	500	1999	No
	<b>Manipur</b>						
8	Imphal	n.a.	n.a.	n.a.	n.a.	1999	n.a.
	<b>Meghalaya</b>						
9	Shillong	1000	1000	1000	1000	n.a.	n.a.
	<b>Mizoram</b>						
10	Aizwal	500				2000	n.a.
	<b>Nagaland</b>						
11	Kohima	n.a.	n.a.	n.a.	n.a.	n.a.	No
	<b>Tripura</b>						
12	Agartala	500	500	500	500	n.a.	% of property tax
	<b>Andaman &amp; Nicobar Islands</b>						
13	Port Blair	Charges vary based on size of connection, distance etc.				1999	No
	<b>Dadra &amp; Nagar Haveli</b>						
14	Silvassa	455	455	455		1999	No
	<b>Daman &amp; Diu</b>						
15	Daman	n.a.	n.a.	n.a.	n.a.	1994	No
	<b>Lakshadweep</b>						
16	Kavaratti Island						
	<b>Pondicherry</b>						
17	Pondicherry	1500	2500	2500		1997	No

Source: NIUA Survey, 1999