

## Supply of water to Towns, Industries & Commercial Establishments

Department of Water Resources allocates water to towns, industries & commercial establishments as per the provisions of the Odisha Irrigation Act, & the Odisha Irrigation Rule, as amended from time to time. Water allocation to towns, industrial units and commercial establishments is being done as per

recommendation of the Technical Committee known as Water Allocation Committee (WAC). So far, twenty eight (28) towns and 112 industries have been allocated water as per recommendation of Water Allocation Committee (WAC). The details are given in the table below.

**Table -10.1 Allocation of water to towns through WAC (Status as on 31.03.2016)**

Sl. No.	Name of the Town	District	Qty, allocated (in Cusec)	Source
1	Jeypore Town	Koraput	14.108	Satiguda Reservoir
2	Vyasanagar Town	Jajpur	3.840	Jokadia Anicut
3	Talcher Town	Dhenkanal	3.700	Brahmani
4	Khurdha Town	Khurdha	7.760	River Daya
5	Dhenkanal Town	Dhenkanal	3.700	Brahmani
6	Angul Town	Angul	3.980	Derjang Reservoir
7	Baragarh Town	Baragarh	8.200	Baragarh Main Canal
8	Khariar NAC	Kalahandi	1.220	Lower Indra Reservoir
9	MCL, Lakhanpur	Jharsuguda	7.430	Hirakud Reservoir
10	Balugaon & Banapur Town	Khurdha	5.200	Salia Dam
11	Biramitrapur Municipality	Sundargarh	2.650	River Sankh
12	Keonjhar Town	Keonjhar	4.670	Kanjhari Dam
13	Rajgangapur Town	Sundargarh	4.080	River Badjore
14	Phulbani Town	Phulbani	4.100	Pillasalki river
15	Paralakhemundi Town	Gajapati	4.890	Mahendra Tanaya
16	Baripada Town	Mayurbhanj	17.540	Jambhira Dam
17	Baleswar Town	Baleswar	17.240	River Sono
18	Bolangir Town	Bolangir	10.460	River Tel near Tarava
19	IIT, NISER, INFOCITY-II and other adjoining areas of Bhubaneswar.	Khurdha	28.500	Mahanadi at Mundali
20	Nabarangapur Town	Nawarangpur	1.830	Bhaskel Dam at Umerkote
21	Rairakhol Municipality	Sambalpur	2.200	Mahanadi
22	Deogarh Municipality	Bargarh	2.790	Rengali Dam
23	Padmapur NAC	Bargarh	1.170	River Ong
24	Barapali NAC	Bargarh	1.520	River Ranj
25	Choudwar Municipality	Cuttack	3.474	Mahanadi river at Chasapada
26	Cuttack Municipality	Cuttack	63.353	Mahanadi at Naraj
27	Pattamundai Municipality	Kendrapara	4.088	Brahmani river
28.	Jharsuguda Town	Jharsuguda	7.870	IB river

**Table -10.2 Allocation of Water to Industries through WAC (Status as on 31.03.2016)**

Sl. No.	Name of the Industrial/ Commercial Establishment	Location	Type of Industry	Water allocated	Source
1	NTPC	Dharlipali, Sambalpur	Power (3200 MW)	95.000	Hirakud Reservoir
2	ESSAR Steel Odisha Ltd.,	Paradeep	Steel	34.820	Taladanda Canal
3	Odisha Integrated Power Project	Bhasma, Jharsuguda	Power	150.000	Hirakud Reservoir
4	POSCO India (P) Ltd.	Paradeep	Steel	122.630	Mahanadi Barrage
5	Vedanta Alumina Ltd.	Jharsuguda	Aluminium	40.900	Hirakud Reservoir
6	INDAL	Hirakud	Aluminium	20.000	Hirakud Reservoir
7	Sterlite Energy Ltd.	Jharsuguda	Power	72.000	Hirakud Reservoir
8	Rathi Steel & Power Ltd.	Pottapally, Sambalpur	Steel	9.810	Power channel Pond-2 of Hirakud Reservoir
9	SPS Steel & Power Ltd.	Badmal, Jharsuguda	Steel	3.730	Hirakud Reservoir
10	Skol Breweries Ltd	Paradeep	Beer	0.300	Taladanda Canal
11	NTPC	Gajamara, Dhenkanal	Power	160.000	Mahanadi River
12	Visa Power Ltd.	Brahmanabasta, Athagarh, Cuttack	Power	20.000	Mahanadi River
13	Eastern Steel & Power Ltd.	Jharsuguda	Steel	2.200	Ib River
14	Jain Steel & Power Ltd.	Durlaga, Jharsuguda	Steel	4.090	Ib River
15	Maheshwary Isapt Pvt. Ltd.	Rampei, Khuntuni, Cuttack	Steel	4.080	Mahandi River
16	Nayagarh Sugar Factory	Panipoila, Nayagarh	Sugar	1.430	Piteijhar MIP
17	Bhubaneswar Power Pvt. Ltd	Anantapur, Athagarh, Cuttack	Power	5.400	D/S of Mundali weir
18	Aditya Aluminium	Jharsuguda	Aluminium	52.730	Hirakud Reservoir
19	Bhushan Power & Steel Ltd.	Laphanga, Sambalpur	Steel	70.000	Hirakud Reservoir
20	Indian Oil Corporation Ltd.	Paradeep	Oil	73.200	Mahanadi Barrage
21	Shyam DRI Power Ltd.	Pandloi, Sambalpur	Steel	5.640	Hirakud Reservoir
22	SMC Power Generation Ltd.	Hirma, Jharsuguda	Steel	2.450	Hirakud Reservoir
23	Viraj Steel & Energy Ltd.	Gurupali Pandloi, Sambalpur	Steel	1.500	Hirakud Reservoir
24	KVK Nilachal Power Ltd.	Gurudighatia, Cuttack	Power	48.000	Mahanadi River
25	Tata Power Company Ltd.	Naraj, Cuttack	Power	40.000	Mahanadi River
26	Sesa Sterelite (Vedanta Alumina Ltd.)	Lanjigarh, Kalahandi	Aluminium	19.620	River Tel
27	Arati Steel Ltd.	Ghantikhal, Athagarh, Cuttack	Steel	9.720	Mahanadi River
28	Utkal Power Ltd.	Chasapada, Cuttack	Power	4.610	Mahanadi River
29	Navayuga Engg. Co. Ltd.	Astaranga, port	Steel	2.040	Devi River
30	Agrim Steel Industries Ltd.	Markuta, Jharsuguda	Steel	4.210	Hirakud Reservoir
31	T.S. Alloys (Rowmet Ferrow Alloys Ltd)	Athagarh, Cuttack	Steel	1.000	Mahanadi River
32	Anil Agarwal Foundation (Vedanta University)	Puri	University	1.000	Siaro cut (Constn. purpose)
33	Lanco Solar Pvt. Ltd.	Ramdaspur, Cuttack	Solar cell	2.040	Mahanadi river
34	Sahara India Power Corp. Ltd	Titlagarh	Power	53.000	Tel River (Assurance)
35	Action Ispat & Power (P) Ltd	Pandiripathar, Jharsuguda	Steel	1.510	Hirakud Reservoir
36	Kaz Story Service Infrastructure Pvt. Ltd..	Bhubaneswar-Puri (NH-23 four laning)	Construction Company	0.040	Daya
37	Ind Barath Energy Ltd.	Shajbahal, Jharsuguda	Power	42.000	Hirakud Reservoir
38	Maa Durga Thermal Power Company Ltd.	Baichuan, Cuttack	Power	1.500	Birupa

Sl. No.	Name of the Industrial/ Commercial Establishment	Location	Type of Industry	Water allocated	Source
39	MSP Metallics Ltd.	Marakuta, Jharsuguda	Steel	4.080	HR
40	Fisheries & ARD Deptt.	Chiplima Firm	Fodder	1.500	Power Channel (Hirakud)
41	Monnet Power Company Ltd.	Malibrahmini & NISA, Angul	Power	37.000	
42	Jindal Steel & Power Ltd.	Angul	Steel	95.160	Samal Barrage
43	NTPC	Kaniha, Angul	Power	120.000	
44	Jindal India Thermal Power Ltd.	Derjang, Angul	Power	30.000	Samal Barrage
45	LANCO Babandha Power Ltd.	Babandh, Dhenkanal	Power	80.000	Brahmani River
46	*Mahanadi Aban Power Co. Ltd.	Gantapada (Talcher)	Power	35.810	Brahmani River
47	Talcher Thermal Power Station	Angul	Power	69.290	Brahmani River
48	Jindal Stainless Ltd.	KIC* , Jajpur	Steel	33.449	Brahmani River
49	Nava- Bharat Power (P) Ltd. (Malaxmi)	Dhenkanal	Power	42.000	Brahmani River
50	G.M.R. Energy Ltd.	Komalanga, Angul	Power	30.000	Brahmani River
51	Maharastra Seamless Ltd.	KIC*, Duburi, Jajpur	Steel	10.790	Brahmani River
52	VISA Steel Ltd.	KIC*, Duburi, Jajpur	Steel	6.340	Kharsuan River
53	Surendra Mining	Barahmusa, Bonei, Sundergarh	Steel	3.530	Brahmani River
54	MGM Steel	Nimidhiha, Dhenkanal	Steel	1.630	Brahmani River
55	Essel Mining & Industries Ltd.	Kasia, Keonjhar	Mining	1.160	Karro River
56	Sree Metaliks Ltd.	Barbil, Keonjhar	Steel	0.260	
57	Bindal Sponge Ltd.	Sunakhani, Talcher	Steel	0.810	Brahmani River
58	CESC Ltd.	Neulapol, Dhenkanal	Power	40.000	Brahmani River
59	Tata Steel Ltd.	KIC*, Duburi, Jajpur	Steel	74.320	Kharasuan River
60	Bhushan Steel & Strips Ltd.	Meramundali, Dhenkanal	Steel	46.000	Brahmani River
61	BRG Iron & Steel Co. (P) Ltd.	Khurunti, Dhenkanal	Steel	8.380	Brahmani River
62	Deo Mines & Minerals	Thaiberna, Sundergarh	Steel	5.890	Brahmani River
63	Shri Mahavir Ferro Alloys	Kalugaon, Sundergarh	Steel	4.900	Brahmani River
64	Nava- Bharat Ventures Ltd.	Kharagaprasad, Dhenkanal	Steel	5.000	Sankha River
65	Adhunik Metaliks Ltd.	Kuanra munda Sundergarh	Steel	3.730	Koel River
66	Bhaskar Steel & Ferro Allosy.	Tumkela, Sundergarh	Ferro Alloys	2.730	Brahmani River
67	Arya Iron & Steel Co. Pvt. Ltd.	Matkambeda, Barbil, Keonjhar	Steel	0.590	Karro River
68	SCAW Industries (P) Ltd.	Dhenkanal	Steel	2.450	Brahmani River
69	Jindal Steel & Power Ltd.	Tensa, Bonai	Mining	0.100	Semiji Nallah
70	Hind Metals & Industries (P)Ltd.	Meramandali, Angul	Steel	0.215	Brahmani River
71	NALCO, Coal Mines	Durgapur, Angul	Aluminium	0.400	Singidajore
72	Shaslivahana Green Energy	Nimidha, Dhenkanal	Power	1.000	Brahmani River
73	OCL India Cement & Refractory Plant.	Rajgangapur, Sundargarh	Cement	4.940	Sankh River
74	Sree Ganesh Metaliks Ltd.	Kuanramunda, Rourkela	Steel	1.180	Sankh River
75	OCL India Iron & Steel Project	Lamioi Rajagangapur	Steel	1.740	Sankh River
76	IDCO	Kalingangar Industrial Complex	Water Supply Installation	8.000	Brahmani River
77	Odisha Thermal Power Corporation	Rengal, Angul	Power	80.000	Brahmani River (Relocation of plant under process)
78	Tata Sponge Iron Ltd.	Baleipada, Joda Keonjhar	Sponge Iron	4.020	Suna River

\* Kalinganagar Industrial Complex

Sl. No.	Name of the Industrial/ Commercial Establishment	Location	Type of Industry	Water allocated	Source
79	Monnet Ispat Energy Ltd.	Malibrahmani & Nisa, Angul	Steel 0.25 MTPA & Coal Industry	6.000	Brahmani
80	IDCO, Rourkela	Sundergarh	Imprastructure Development	0.170	Sankh
81	M/s Vijaya Krishna Lall	Turumura, Sundargarh	Mines	0.008	Naktijore
82	M/s Vijaya Krishna Lall	Jarbeda, Sundargarh	Mines	0.010	Naktijore
83	M/s Shyam Steel Industries	Thaiberma, Sundargarh	Pallets Beneficiation Plant	1.471	Brahmani
84	ESSAR Steel Ltd.	Dabuna, Barbil, Keonjhar	Steel	11.770	Baitarani River
85	FACOR Power Ltd.	Randia, Bhadrak	Power	1.800	Salandi River
86	Sree Metaliks Ltd.	Khandband mines, Joda, Keonjhar	Mining	0.061	Sona River
87	Naibaga & Katupalli Iron Ore mines	Dabuna Joda, Keonjhar	Mining	0.020	Purunadihi Nallah
88	Brahmani River Pellet Ltd.	Tonto, Naidai in Keonjhar	Steel	4.700	Baitarani River
89	Jindal Steel & Power Ltd.	Deojhar, Keonjhar.	Iron Ore Beneficiation	14.710	Baitarani River (8.33 cusec in Ph-I)
90	Dhamra Port Company Ltd.	Dosinga/ Amarnagar Bhadrak	Port	2.050	Mantei River
91	M/s Sundarlal Sarda & Mohanlal Sarda (Sarda Mines Pvt. Ltd.)	Thakurani Iron Ore Mines, Block- B, Barbil Dist-Keonjhar	Mining	0.330	Betalatai Nallah
92	Emami Paper Mills Ltd.	Balagopalpur, Balasore	Paper	5.518	Sona River
93	Titanium Products Pvt. Ltd.	Ganjam	Titanium	5.490	Rushikulya River
94	Gopalpur Port Ltd.	Ganjam	Port	0.140	Kharia Nallah
95	Aditya Aluminum	Kansariguda, Rayagada	Aluminum	8.170	River Nagavali
96	Utkal Alumia International Ltd.	Rayagada	Aluminum	9.000	Indravati River
97	HINDALCO	Pottangi, Korapur	Bauxite Mining	0.029	Kolab Reservoir
98	NALCO	Damanjodi, Koraput	Mining	0.929	Jhologuda Stream
99	HAL	Sunabeda	Aeronautic	6.130	Kerandi River (Kolab Reservoir)
100	Indo Pallets Pvt. Ltd.	Motuda, Joda Keonjhar	Iron Ore beneficiation	3.730	Suna River
101	MCL, Talcher	Talcher	Mining	18.578	Brahmani River
102	NALCO	Angul	Aluminium	46.321	Brahmani River
103	BGR Energy System Ltd.	Bhapur, Nayagada	Power	40.000	Mahanadi River
104	J.R. Powerjen Pvt. Ltd.	Baija, Angul	Power	58.000	Mahanadi River
105	Kalinga Calciner Ltd.	Paradeep	Calcination	0.185	Taladanda Canal
106	Ib Thermals (OPGC)	Banharpali	Power	52.980	Hirakud Reservoir
107	RSB Metal Tech Pvt. Ltd.	Markata, Dhenkanal	0.175 Al. Smelter 450MW CPP	32.180	Brahmani
108	NTPC-SAIL Power Company (P) Ltd.	Raurkela	Power-250 MW	10.000	Brahmani
109	Neelachal Ispat Nigam Ltd	Jaraka, Jajpur	1.1MTPA Steel	12.940	Kharsuan
110	M/s Angul Alluminium Park Pvt. Ltd. (IDCO & NALCO)	Angul	Aluminium	4.000	Brahmani
111	J.K. Laxmi Cement Ltd.	Radhesyampur, Athagarh, Cuttack	Cement	0.120	Mahanadi
112	HAL	Sunabeda	High attitude Engine Testing	37.760	Kolab Reservoir

In addition to the above, there are other industries drawing water from the Government water sources prior to formation of Water Allocation Committee and paying water rate to the respective Executive Engineers. Regularization of water drawal of such industries is in process.

The collection of water rate from both the agricultural sector and industrial sector was earlier vested with the Revenue & Excise Department. Responsibilities for collection of industrial water rate from industrial sector was transferred to the Department of Water Resources vide Revenue & Excise Department Notification dated 29<sup>th</sup> September, 1999 and 11<sup>th</sup> October, 1999 which were published in the Odisha Gazettes vide No. 1423 dt. 30.09.1999 and No. 1466 dt. 13.10.1999. The Department of Water Resources has been collecting the water rate from the Industrial units / Commercial organizations through their Executive Engineers and Assistant Engineers w.e.f,

01.04.2000. Industries / commercial entities have been advised not to use ground water for commercial purpose without permission.

**Water Pricing & Cost Recovery:**

The infrastructure created needs to be self-sustainable. Therefore, water pricing is necessary. As per the State Water Policy, the cost of operation and management will be fully recovered from the beneficiaries. Water Rates & Cost Recovery Committee has been formed to fix and review water charges. The Committee recommends the water charges to Water Resource Board for approval. In the meantime, the water rates for non-irrigation use have been revised thrice during 1994, 1998 & 2010 and for irrigation use the rates have been revised during 1998 & 2002. The water rates presently applicable for irrigation and non-irrigation use are given in the following table.

**Table -10.3**

**Irrigation use Compulsory Basic Water Rate (Khariff crop)**

Sl. No.	Class of Irrigation works	Depth of Supply in inches	Rate for flow Irrigation (per hectare / year) in ₹ Gazette No. 494 dt. 5.4.2002
1	1st Class	28	250
2	2nd Class	23	188
3	3rd Class	18	125
4	4th Class	9	63

**Rabi Water Rate.**

Sl. No	Name of the crops	Rate for flow irrigation (per hectare / year) in ₹ Gazette No. 494 dt. 5.4.2002	Sl. No	Name of the crops	Rate for flow irrigation (per hectare / year) in ₹ Gazette No. 494 dt. 5.4.2002
1	Dalua	450	13	Fodder	170
2	Tobacco	420	14	Pulses	60
3	Potato	280	15	Cotton	280
4	Vegetables	230	16	Til (oil seeds)	60
5	Onion	280	17	Betel Leaf	840
6	Wheat	170	18	Arhar	170
7	Maize	140	19	Sunhemp	200
8	Mung	28	20	Chilly	170
9	Groundnut	170	21	Saru	840
10	Orchards	334	22	Ragi	70
11	Sugarcane	500	23	Mustard	60
12	Jute	84	24	Ganja	930

### Non-Irrigation Use

Sl. No	Purpose for which supply is given	Rate in `		Unit
		(Gazette No. 1571 dt. 4.10.2010)		
		Irrigation source	Govt. Water Source	
1	Bricks or tile making	30	25	1000 Nos.
2 (i)	For water actually used and consumed for industrial / commercial purpose			
	Slab I – Consumption ≤ 5 cuses	4.2	3.4	1000 litre (1m <sup>3</sup> )
	Slab II – Consumption > 5 cuses	5.6	4.5	1000 litre (1m <sup>3</sup> )
(ii)	For water used for Hydro Power Generation	0.01	0.01	1 KWH
3	For bulk supply to Municipalities and Notified Area Councils and other local authorities for drinking, washing, etc.	0.25	0.2	1000 litre (1m <sup>3</sup> )
4	Construction of commercial buildings	7.1	5.3	1000 litre (1m <sup>3</sup> )
5	For filling tanks	0.1	-	1000 litre (1m <sup>3</sup> )
6	For filling tanks mainly for drinking purpose	0.05	-	1000 litre (1m <sup>3</sup> )
7	For sub-soil water actually used and consumed for industrial / commercial purpose			
	Slab I – Consumption ≤ 5 cuses	-	6.8	1000 litre (1m <sup>3</sup> )
	Slab II – Consumption > 5 cuses	-	9	1000 litre (1m <sup>3</sup> )

The cost recovery from Agriculture and Industrial in the year 2015-16. The following table gives an Sectors has shown an increasing trend as it increased indication of the rising trend of water tax collection. from ₹7.0281crore in the year 1996-97 to ₹739.10 crore

**Table -10.4 Cost Recovery (₹. in crore)**

Year	Agricultural Sector	Industrial Sector	Total amount collected
1996-97	3.400	3.628	7.028
1997-98	4.466	3.613	8.080
1998-99	9.507	5.369	14.876
1999-00	5.939	2.465	8.403
2000-01	10.986	8.881	19.866
2001-02	12.387	4.853	17.240
2002-03	16.161	4.021	20.182
2003-04	23.692	8.623	32.315
2004-05	27.778	6.504	34.282
2005-06	28.299	7.350	35.649
2006-07	28.565	18.876	47.441
2007-08	29.792	9.762	39.554
2008-09	29.835	12.392	42.228
2009-10	32.640	34.400	67.040
2010-11	25.768	120.823	146.591
2011-12	29.980	283.440	313.420
2012-13	32.855	330.970	363.825
2013-14	55.480	359.790	415.270
2014-15	71.46*	557.760	629.220
2015-16 (prov)	145.802*	593.298	739.10

\* Agriculture & other Revenues

## COST RECOVERY

