(Translated)

Area Based crop wise water tariff for agricultural irrigation and Volumetric bulk water tariff rates for Industrial, Domestic and Agricultural irrigation for the period from Rabi 2010-11 to Hot weather 2012-13

Government of Maharashtra
Water Resources Department
Government Resolution No. Misc-2010/407/10/IM(P)
Mantralaya, Mumbai – 400 032
Dated: 29 June 2011

Reference: Maharashtra Water Resources Regulatory Authority Order no. MWRRA/2011/BWT-Order/(59)/315 dated 30th May 2011

Preamble

Maharashtra Water Resources Regulatory Authority, Mumbai has reviewed and revised the bulk water tariff rates for the three categories of bulk water users in the State viz. industry, domestic and agricultural irrigation in lieu of powers conferred under Section 11 (u) and Section 11 (d) of the Maharashtra Water Resources Regulatory Authority Act, 2005, after finalising the Criteria for Determination of Bulk Water Tariff. The volumetric rates for these three categories of users for period rabi 2010-11 to hot weather 2012-13 have been separately issued by Maharashtra Water Resources Regulatory Authority vide its above referred order dated 30th May 2011. (copy enclosed for ready reference)

Government Resolution:

(A) Area Based crop-wise water tariff for Agricultural Irrigation purpose:

1. Maharashtra Water Resources Authority, Mumbai has directed the Water Resources Department, Government of Maharashtra to issue the tariff order for area based water rates for agricultural irrigation as per Section 6.4 of the Criteria for Determination of Bulk Water Tariff .vide their letter dated 30th May 2011. Accordingly, the area based water rates for agricultural irrigation shall be as under:

- 2.0 These rates are effective from Rabi 2010-11 and are valid to Hot weather 2012-13.
- 3.0 The crop-wise, season wise area-based rates in Rs./ha will be as per **Annexure-1** attached herewith.
- 4.0 The rates in Rs./ha for private lift schemes depending on source of supply will be as per **Annexure-2** attached herewith.
- 5.0 For government lift schemes, scheme wise tariff comprising area based tariff as at Annex 1 and energy charges payable by beneficiary, will be worked out as per procedure laid down in <u>Annex 2 B of Final Criteria</u> (copy enclosed).
- 6.0 All rates are excluding local cess which will be charged as per the prevailing norms of the State government from time to time.
- 7.0 The rates are applicable for all types of water resources projects, except in the first year of operation of the project when no tariff will be levied.

8.0 Crop-Season

(i) The dates for the three seasons in Konkan & Vidarbha Region and in rest of the State will be reckoned as under for purposes of assessment of tariff

Season	Dates (except Konkan & Vidarbha Region)	Dates (for Konkan & Vidarbha Region)
Kharif	01 July to 14 October	01 July to 14 November
Rabi	15 October to 28 February	15 November to 31 March
Hot weather	01 March to 30 June	01 April to 30 June

(ii) The water tariff as per Annexure will be charged if more than two rotations are taken in each season. However, for one or two rotations, one fourth of applicable rate per rotation will be charged. This will not be applicable block wherein, rates will be charged irrespective of rotation drawn for sanctioned.

9.0 Concessions

The following concessions will be applicable to all area based supplies from canals, government lift schemes and private lift schemes while assessing the tariff with the revised rates

(i)	Farmers with holding size less than 2 ha	75% of applicable rate for all crops except sugarcane, banana, horticulture
(ii)	Farmers with holding size less than 4 ha in (i) districts in Vidarbha included in Prime Minister's Package, (ii) naxalite affected areas as declared by State government	50% of applicable rate for all crops except sugarcane, banana, horticulture.
(iii)	For paddy areas under agreement in Vidarbha	50% of applicable rate
(iv)	For project affected people	75% of applicable rate for all crops
(v)	For tribal farmers in projects implemented under tribal sub plan	No tariff shall be levied
(vi)	For following horticultural crops, tariff for initial growing period, as specified against each, will be 25% of applicable rate	Grapes - 3 years Orange - 4 years Mango /coconut /amla / tamarind / chikoo 5 years
	er-crop is taken in this period, tariff will be charged for the h	
(vii)	For adoption of modern method of irrigation (micro	75% of applicable rate
	or horticultural crops specified in (vi) only when full applicable rate is paid after	
(viii)	For advance payment before start of season	5% rebate in tariff will be given.
(ix)	For areas under old 'malguzari' tanks	The present practice shall continue

10. Penalties

- (i) For farmers having more than 2 (two) children born after one year after enactment of the MWRRA Act (i.e. after 8-6-2006), 1.5 times applicable rate will be charged.
- (ii) Penal rate at 1% of billed tariff per month or part thereof or 12% per year will be levied for delayed payments beyond permissible limit.

(B) Volumetric Bulk Water tariff rates for Industrial, Dmoestic and Agricultural Irrigation purpose:

The volumetric bulk water tariff for Industrial, Domestic and Agricultural Irrigation for the period from Rabi 2010-11 to Hot weather 2012-13 will be as per the details given in **4. Volumetric Rates for Bulk Water Tariff** of Maharashtra Water Resources Regulatory Authority's above referred Order dated 30/5/2011 (copy enclosed).

11.0 This Government Resolution is available on the Government of Maharashtra website www.maharashtra.gov.in and its computer reference code number is **20110629165502001**.

By Order and in the name of Governor of Maharashtra.

Enclosures : (As above)

(S D Kulkarni)

Deputy Secretary to Government of Maharashtra

CC:-

Secretary to Governor,

Secretary to Chief Minister,

Secretary to Deputy Chief Minister,

All Personnel Secretary, to the Hon. Cabinet Minister,

All Personnel Secretary, to the Hon. State Minister

Private Secretary of Leader of Opposition in Legislative Assembly.

Private Secretary of Leader of Opposition in Legislative Council.

General Administration Department, Mantralaya, Mumbai-32,

Finance Department, Mantralaya, Mumbai-32,

Planning Department, Mantralaya, Mumbai-32,

Revenue and Forest Department, Mantralaya, Mumbai-32,

Urban Development Department, Mantralaya, Mumbai-32,

Rural Development Department, Mantralaya, Mumbai-32,

Industry, Energy and Labor Department, Mantralaya, Mumbai-32,

Agriculture, Animal Husbandry, Dairy Development and Fisheries Department, Mantralaya, Mumbai-32,

Cooperation and Textile Department (Cooperation), Mantralaya, Mumbai-32.

Other Department, Mantralaya.

Accountant General (Pay and Accounts), Maharashtra State-1, Mumbai.

Accountant General (Pay and Accounts), Maharashtra State-2, Nagpur.

Accountant General (Audit), Maharashtra State-1, Mumbai.

Accountant General (Audit), Maharashtra State-2, Nagpur.

All Executive Directors of Irrigation Development Corporations.

All Joint Secretary/ Chief Engineers, Water Resources

Department/Irrigation Development Corporations

Divisional Commissioner Mumbai, Nasik, Pune, Aurangabad, Nagpur and Amravati.

.All Collectors/Director Agriculture, Maharashtra State.

All Deputy Secretary / Superintending Engineers/ Superintending Engineer and Administrators of Water Resources Department.

All Under Secretary/ Executive Engineers under the above Superintending Engineers / Superintending Engineer and Administrators of Water Resources Department.

Director General, Directorate of Information and Publicity, Mumbai.

All Officers/desks of Water Resources Department in Mantralaya, Mumbai-32.

Irrigation Management (Policy) Desk, Water Resources Department for collection.

Annex 1
Crop-wise, Season-wise Area Based Rates

(Rs. /ha)

Sr.	Proposed 1			Tariff	
No.	Crop	Kha rif	Ra bi	Hot Weath er	Remarks
	Kharif				
1.	Cereals & other kharif	240	-	-	-
2.	Groundnut	350	70 0*	-	*Rate for extended kharif in rabi.
3.	Vegetables & Onion	600	-	-	-
4.	Paddy	240	48 0*	-	-
	Rabi				
5.	Vegetables	-	12 00	-	-
6.	Wheat	-	47 0	-	-
7.	Other rabi	-	35 0	-	-
	Two Seasonal				
8.	Chilli, Ginger, Tur	120	24 0	360	
9.	Cotton	450	90 0	1350	-
	Hot Weather				
10.	Vegetable	-	-	1800	-
11.	Groundnut	-	-	1050	-
12.	Paddy	-	-	720	-
	Perennial				
13.	Sugarcane, Banana	1050	21 00	3140	Total 6290
14.	Horticulture	790	15 80	2350	Total 4720

Annex 2

Agricultural Tariff - Private Lift Schemes

(Rs./ha).

Sr. No.			garcane Banana	Но	orticultur e		Other	crops
	Source of Supply	Flow	Drip	Flow	Drip	Kharif	Rabi	Hot weather
1.	Assured Water Supply Major/Medium reservoir/storage tank without canal/	1500	1150	1150	860	85	120	240
2.	Regulated Water Supply with Transmission Loss Regulated river portion below dam/canal lift / K.T. weir with back up reservoir / tail race from reservoir	1150	860	860	650	40	60	120
3.	Partly Assured Water Supply Minor reservoir with canal / K.T. weir without back up reservoir/ unregulated rivers without even any K.T. weir or in unregulated river portion flowing within a command area where there is no bandhara or K.T. weir	750	580	580	430	35	35	60
4.	Reservoir Constructed by the Water User Entity / User Entity Shared Proportional cost Water user agency has shared proportional cost of infrastructure or constructed dam/ bandhara/ katcha bandhara/ K.T. weir at own cost	500	380	380	290	-Nil-	20	20

Note: 1) Transmission losses to be borne by Service Provider





Maharashtra Water Resources Regulatory Authority (MWRRA)

महाराष्ट्र जलसंपत्ती नियमन प्राधिकरण

9th Floor, Centre-1, World Trade Centre, Cuffe Parade, Mumbai - 400 005. Tel : 2215 2019 • Fax : 2215 3765

File No. MWRRA/2011/BWT-Order/(59)/315

Date: 30th May 2011

Review and revision of volumetric bulk water tariff rates for industrial, domestic and agricultural irrigation users in the State of Maharashtra

- 1.0. The Maharashtra Water Resources Regulatory Authority (hereinafter referred to as the Authority), in exercise of powers conferred under Section 11 (u) of the Maharashtra Water Resources Regulatory Authority Act, 2005 (hereinafter referred to as the Act), and after taking into consideration comments/suggestions received from the beneficiary public by the Water Resources Department (WRD) on the draft bulk water tariff proposal and the response of WRD to each of the comment/suggestion, hereby determines the volumetric bulk water tariff rates for supply of water by the WRD to the three categories of users in the State viz. industrial, domestic and agricultural irrigation, as under
- 2.0. These rates are applicable for the period rabi 2010-11 to hot weather 2012-13 for all types of water resources projects.

3.0. Background

3.1. In exercise of the powers conferred under Section 11 (d) of the Act, the Authority had in June 2010 fixed the Criteria (valid for the 3 irrigation years 2010-11, 2011-12 and 2012-13) for determination of bulk water tariff in the State after ascertaining the views of the beneficiary public. Vide its letter dt. 3-6-2010, the Authority forwarded these Criteria to the WRD and directed it to submit the draft tariff proposal in conformity with them. Vide WRD's letter dt. 29-12-2010, the draft tariff proposal for the period rabi 2010-11 to hot weather 2012-13 was received by the Authority. After undertaking a technical scrutiny of the proposal with reference to its conformity with the Criteria and validity of the data used, the Authority intimated WRD vide its letter dt. 10-1-2011 that the proposal is in order for public consultation and it may take necessary action for the consultation in accordance with the draft Regulations for

3026

The Dale

Attich metric Philipped or 2010, 13 day

-1-

- Fixing Criteria and issue of Tariff Orders for Bulk Water, 2010 (Section 4 (vi)).
- 3.2. In compliance with this directive, WRD published the abridged tariff proposal in newspapers on 1st/2nd March 2011 and also made available copies of the full tariff proposal in Marathi in all the talukas of the State by 28th Feb. 2011. Thirty (30) days time was given from this date to the public for receipt of comments /suggestions i.e. before 31st March 2011.
- 3.3. On completion of the stipulated period for public response, the WRD vide its letter dated 18th May 2011 forwarded to the Authority the comments / suggestions received on the draft tariff proposal together with its views on each comment / suggestion.
- 3.4. The Authority has accepted the tariff proposal of WRD with such modification/conditions as considered necessary. A list of suggestions / comments received the response of WRD and the decision of the Authority on each of the suggestions / comment is being separately hosted in the Authority's web site.
- 3.5. As provided in Section 6.4 of the Criteria, this order for volumetric rates of bulk water tariff is being issued by the Authority. The Authority, vide its letter dt. 30-5-2011 has directed the WRD to separately issue the area based crop wise rates for agricultural irrigation as per provisions in the same Section.

4.0. Volumetric Rates for Bulk Water Tariff

4.1. Industrial Use

4.1.1. The volumetric basic rates, depending on the source of supply, for bulk water users of the two sub categories of industrial users viz. industries using water as raw material (e.g. beverages) and industries using water for process (cooling, washing etc.) is determined as under.

 $(Rs./10m^3)$

SI. No.	Source of Supply	Process Industries	Industries using water as raw material
1.	Assured Water Supply Major/Medium reservoir/storage tank without canal	32	160
2.	Regulated Water Supply with Transmission Loss Regulated river portion below dam/canal lift / K.T. weir with back up reservoir / tail race from reservoir	64	320

3.	Partly Assured Water Supply Minor reservoir with canal / K.T. weir without back up reservoir/ unregulated rivers without even any K.T. weir or in unregulated river portion flowing within a	16	80
4.	command area where there is no bandhara or K.T. weir Reservoir Constructed by the Water User Entity / User Entity Shared Proportional cost Water user agency (Gram Panchayats, ULBs, Municipal Corporations and other such utilities) has shared proportional cost of infrastructure or constructed dam/bandhara/katcha bandhara /K.T. weir at own cost	10.7	53.5

Note:

- (i) the above basic rates will be applicable in the season between Nov. to February except in Konkan and Vidarbha where it will be between 15th November and 31st March. The corresponding rates in the season between July to October, except in Konkan and Vidarbha where it will extend to 15th Nov., will be 50% of the basic rate and in the season between 1st March to 30th June, except in Konkan and Vidarbha where it will be from 1st April to 30th June, the rates will be 150% of the basic rate.
- (ii) domestic component of industrial use will be charged at appropriate domestic rate as given in para 4.2 below.

4.1.2. Concessions / Incentives

- (i) For agro-industries (poultry, canning, dairying, sugarcane processing), 75% of applicable rate will be charged.
- (ii) if an industry reduces its demand to at least 75% or less of its Entitlement as per agreement (utilization reduced by a minimum of 25%) after adopting recycling, 75% of the applicable rate will be charged for the reduced demand subject to claimed reduction being verified by service provider now below the rank of Executive Engineer.

4.1.3. Penalty

Every industry is expected to treat its effluent to prescribed standards before release into natural water course. If effluent is not treated to the required MPCB standard, rate equal to twice the applicable rate will be charged. This will be in addition to any other action MPCB may separately take.

Domestic Use

4.2.1. The volumetric basic rates for bulk water, depending on source of supply to the three sub categories of domestic users viz. Gram and (ULB) Bodies Local Urban (GP), Panchayats under determined as Municipalities/Municipal Corporations is (transmission losses are borne by users):

Rate: Rs./10 m3

SI. No.	Source of Supply	GPs	ULBs	Municipalities/ Corporations
1.	Assured Water Supply Major/Medium reservoir/storage tank without canal/	1.32	1.58	2.10
2.	Regulated Water Supply with Transmission Loss Regulated river portion below dam/canal lift / K.T. weir with back up reservoir / tail race from reservoir	2.64	3.15	4.20
3.	Partly Assured Water Supply Minor reservoir with canal / K.T. weir without back up reservoir/ unregulated rivers without even any K.T. weir or in unregulated river portion flowing within a command area where there is no bandhara or K.T. weir		0.79	1.05
4.	Reservoir Constructed by the Water User Entity / User Entity Shared Proportional cost Water user agency (Gran Panchayats, ULBs, Municipal Corporations and other sucutilities) has shared proportional	1 O.44 h or	4 0.53	0.70

Note:

- (i) Basic rate will remain the same in all the three seasons
- (ii) Industrial use component (including commercial use) of domestic use will be separately identified as per the agreement and charged at appropriate industrial rate.

4.2.2. Concessions / incentives

If Metro Corporation / Municipality / Utility / any domestic bulk user treats sewage effluent to required standards as prescribed and certified by MPCB, enabling use of such treated effluent for irrigation / gardening, the tariff for the quantum of bulk water used to produce such treated effluent will be 75% of the applicable tariff.

4.2.3. Penalties

- (i) Full levy will be charged for reservation made in reservoirs in drought period for drinking water use including evaporation and transmission use, irrespective of actual drawal.
- (ii) Municipal Corporations / Municipalities shall within two years from the date of issue of this tariff order prepare and submit to the MPCB and the Authority an implementation programme for setting up new / additional STPs of required capacity to treat the sewage effluent to the required standards failing which one and half times applicable rate will be charged thereafter.

4.3. Agricultural Irrigation (volumetric)

4.3.1. The volumetric season-wise rates for bulk water supply for paddy and for other crops in all categories of water resources projects is determined as under

Paise/m ³	,
	٦

Season	Paddy		
	Area under agreement in Vidarbha	Other areas	Other crops
Kharif	2	4	3
Rabi	4	8	6
Hot weather	6	12	9

4.3.2. Tariff for crop-wise, season-wise area based rates in agricultural irrigation have been determined separately in terms of Section 6.4 of the Criteria. Orders for the same are being issued by WRD. The area based rates include mainly a concession linked to holding size as under

(i) Farmers with holding size less than 2 ha

(ii) Farmers with holding size less than 4 ha in (a) district in Vidarbha included in PM's package and (b) naxalite affected areas as declared by State government. 75% of applicable rate for all crops except sugarcane, banana, horticulture.
50% of applicable rate for all crops except sugarcane, banana, horticulture.

- 4.3.3. The area based rates also include a penalty, as per MWRRA Act, for farmers having more than 2 (two) children born after one year of enactment of MWRRA Act (i.e. after 8-6-2006) for whom 1.5 times applicable rate will be charged.
- 4.3.4. In working out volumetric rate as per Criteria, to encourage formation of WUAs, a concession of 25% in rate has been already given. For those WUAs who are allowing area based concessions as stated in para 4.3.2. and who are also levying the penalty linked to family size, as stated in para 4.3.3. to their members, the following reduced volumetric rates for crops other than paddy will be applicable

Kharif - 2.5 p/m^3 Rabi - 5 p/m^3 Hot weather - 7.5 p/m^3

- 4.3.5. For paddy areas, a concession of 50%, as against 25% for non-paddy areas in working out volumetric rates, has already been given considering concession in Para 4.3.2. above.
- 4.3.6. To be eligible for the reduced rates as per 4.3.4., WUAs must give a certificate that they have allowed the concession as per Para 4.3.2. above and levied penalty as per Para 4.3.3. above while fixing tariff for their members.
- 4.3.7. (i) No tariff will be levied in the first year of operation of a project
 - (ii) 5% rebate in tariff will be given for advance payment before start of season.

5.0 General for Non-Irrigation Users

- (i) While entering into future agreements, WRD will keep in view Section 13.4 (ii) and (v) of Criteria.
- (ii) Any withdrawal for non-irrigation beyond ±10% of the prescribed quantity in the agreement will be charged penal rate at 1.5 times applicable rate.

6.0. General for all three categories of users

- (i) For delayed payments beyond permissible time limit, penal rate at 1% of the billed amount will be levied for delay of each month or part thereof.
- (ii) All rates are excluding local cess which will be charged as determined by the State government from time to time.

(9. V. Sodal)

Copy to:

- (1) Secretary (WRP & Devp), Water Resources Department, Mantralaya, Mumbai (2) Secretary (WRM & CAD), Water Resources Department, Mantralaya, Mumbai
 - (3) Secretary, Urban Development Department, Mantralaya, Mumbai
 - (4) Secretary, Environment Department, Mantralaya, Mumbai
 - (5) Secretary, Water Supply & Sanitation Department , Mantralaya, Mumbai
 - (6) Secretary, Water Conservation Department, Mantralaya, Mumbai
 - (7) Executive Director, Vidarbha Irrigation Development Corporation, Sinchan Seva Bhavan, Civil Lines, Nagpur 440 001.
 - (8) Executive Director, Maharashtra Krishna Valley Development Corporation, Sinchan Bhavan, Barne Road, Mangalwar Peth, Pune 411 011.
 - (9) Executive Director, Godavari Marathwada Irrigation Development Corporation, 1st Floor, Sinchan Bhavan, Jalna Road, Aurangabad – 431 005.
- (10) Executive Director, Tapi Irrigation Development Corporation (TIDC), Sinchan Bhavan, Aakashwani Chowk, Jalgaon 425 001.
- (11) Executive Director, Konkan Irrigation Development Corporation, 2nd floor, Sinchan Bhavan, Kopari Colony, Bara Bungalow Area, Thane (East)- 400 603.



13.4. General (for all Categories)

- (i) Penal rate at 1% per month or 12% per year will be levied for delayed payments beyond permissible limit.
- (ii) For advance payment before start of season, 5% rebate in tariff will be given only for agriculture.
- (iii) All future agreements for non-irrigation use will include justification for demand with norms (lpcd for drinking water depending on urban/rural use and m³/unit production depending on type of industry.
- (iv) Any withdrawal for non-irrigation use beyond \pm 10% of prescribed quantity in the agreement will be charged penal rate of 1.5 times of applicable rate.
- (v) While entering into an agreement with WRD, non irrigation users will indicate the phasing planned for reaching the ultimate requirement. Till such time, the non irrigation user will be levied tariff as under each year
- (a) applicable rate for quantum for the year indicated in the phasing.
- (b) penal rate of 1.5 times applicable rate for deviation of ± 10% more/less from the above quantum.
- (c) a commitment charge of 5% of applicable tariff for balance quantum i.e. ultimate requirement minus present use:

WRD will be free to divert the balance quantity for that year to any category of user. But such user will not derive any entitlement right over such use.



Annex-2B

Procedure for Fixing Project-wise Tariff, Including Energy Charges, for Lift Irrigation Schemes owned by Government.

- 1. This procedure has been evolved from the experience gained from three lift schemes with varying heads under operation since 2005-06 viz. Mahisal, Takari and Sina-Madha in Krishna basin. For each of these schemes the project authorities have furnished actual operational data. Authority has taken one sample year comprising energy charges, area irrigated, revenue assessed per ha. Based on this data, the following procedure for non-WUA areas is prescribed till WUAs are formed.
- 2. At the beginning of the season, project authorities estimate the likely irrigation demand and likely energy charges to be levied (on the basis of energy bills received). The combined rate, (i) energy charges, (ii) crop wise irrigation charges [based on prevailing Govt. approved rates with 20% local cess and other miscellaneous cess/charges] per ha per rotation is worked out and this rate is got approved from the concerned Chief Engineer. The farmers are apprised of this rate (advance payment based on this rates is also received to field officer from some of these schemes).
- 3. Procedure to be followed for working out actual water charges.
 - energy rate per ha of irrigation is to be assessed on the basis of total energy charges of the schemes based on actual consumption as received by the concerned project officer from MSEB.
 - irrigation charges per ha with 20% local cess, as fixed by the State govt. to be levied season-wise, crop-wise on the basis of actual area irrigated is assessed based on number of rotations.
 - ➤ the water charges per ha including energy rate per ha and irrigation charges including 20% local cess per ha is worked out and this rate is then converted into per rotation for recovery purposes.
 - for sustainability, maximum area under scheme should be brought under irrigation so that there will be minimum energy charges per ha to the user. It should be aimed so as to have full recovery of electricity charges from all water users.
 - > water rates for govt. operated Lift schemes will be schemes-wise and hence there will be separate rate for each scheme which will depend on type of lift and energy consumed.



As and when WUAs are formed in command area, the tariff will be levied for volumetric supply at the volumetric rate fixed for flow areas by Authority and prorata energy charges per ha as per actual area irrigated under WUA.

4. Procedure to be followed for recovery of energy charges from beneficiaries for government operated Lift Irrigation Scheme where water is lifted and fed into Tanks/Percolation Tanks.

Energy rate per ha of irrigation is to be assessed on the basis of total energy charges of the scheme based on actual consumption, as received by the concerned project officer from MSEB, and total area in ha getting benefit of irrigation from such tanks.