



MAHARASHTRA WATER RESOURCES REGULATORY AUTHORITY

Mumbai (India)

Annual Report
2010 – 11





Meeting with Hon'ble Shri Sunil Tatkare, Minister for Water Resources (excluding MKVDC), Hon'ble Shri Ramraje Naik Nimbalkar, Minister for Water Resources (MKVDC), Hon'ble Shri Rajendra Mulak, Minister of State (Finance, Energy, Planning, Water Resources, Parliamentary Affairs, State Excise) Govt. of Maharashtra on 05/01/2011 in the Authority.



Mr. Arjun Thapan, Special Senior Advisor for Infrastructure & Water (Asian Development Bank) visited the Authority on 31/08/2010



MAHARASHTRA WATER RESOURCES REGULATORY AUTHORITY (MWRRA)

ANNUAL REPORT

2010 - 11

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1.0. Maharashtra Water Resources Regulatory Authority, Act 2005

- 1.1. The Government of Maharashtra enacted in 2005 the Maharashtra Water Resources Regulatory Authority Act. The Act, which was gazetted on 4th May 2005, provides for the establishment of the Maharashtra Water Resources Regulatory Authority (MWRRA) to regulate water resources within the State, facilitate and ensure judicious, equitable and sustainable management, allocation and utilisation of water resources, fix the rates for use of water for agriculture, industrial, drinking and other purposes and matters connected therewith or incidental thereto. Vide notification dated 8th June 2005, the State Government directed that the said Act shall come into force on that date, vesting all powers under the various sections of the Act with the Authority. Maharashtra is the first State in the country to establish a water regulatory authority.
- 1.2. The powers, duties, functions of the Authority as enumerated in Section 11 of the Act read with Maharashtra Ordinance No II of 2011 of 11/01/2011 are,
- (a) to determine the criteria for the distribution of Entitlements by the River Basin Agencies, within each category of use, on such terms and conditions as may be prescribed, after sectoral allocation is made under Section 16 (A);
 - (b) to enforce the decisions or orders issued under this Act;
 - (c) to determine the priority of equitable distribution of water available at the water resources projects, sub-basin and river basin levels during periods of scarcity;
 - (d) to establish a water tariff system and to fix the criteria for water charges at sub-basin, river basin and State level after ascertaining the views of the beneficiary public, based on the principle that the water charges shall reflect the full recovery

of the cost of the irrigation management, administration, operation and maintenance of water resources project;

- (e) to administer and manage inter State water resources apportionment on river systems of the State;
- (f) to review and clear water resources projects proposed at the sub-basin and river basin level to ensure that a proposal is in conformity with the integrated State Water Plan.
- (g) to lay down the criteria and monitor the issuance of Entitlements.
- (h) to lay down the criteria for modification in Entitlements for the diversion, storage and use of the surface and subsurface waters of the State.
- (i) to fix the criteria for trading of water Entitlements or Quotas on the annual or seasonal basis by a water Entitlement holder.
- (j) to promote efficient use of water, minimize the wastage of water & to fix reasonable use criteria for each Category of Use.
- (k) to review and revise the water charges after every three years.

1.3. Further, under Section 12 (4) of the Act, the Authority in accordance with State Water Policy, is required to promote and implement sound water conservation and management practices throughout the State and under Section 12 (5) of the Act, support and aid the enhancement and preservation of water quality within the State in close coordination with the relevant State agencies.

1.4. The Authority has been vested in the Act with special powers for removal of irrigation backlog as per Governor's Directive (Section 21 (1) of the Act). This responsibility is to be exercised while clearing new projects (Section 11 (f) of the Act) and in ensuring that the manpower available with the Water Resources Department of the State Government is used for survey, planning

and detailed design of the projects in backlog affected areas and new projects are available in time for removal of backlog (Section 21 (2) of the Act).

- 1.5. As per Section 20 (1) (a) of the Act, the Authority is required to prepare once every year an annual report giving summary of its activities during the previous year and forward it to the State Government. As per Section 20 (2), the Annual Report is to be laid before the State Legislature. The Authority has accordingly prepared and submitted reports for year 2006-07, 2007-08, 2008-09 and 2009-10 which have been laid by the State Government before the State Legislature. The present Annual Report covers the activities of the Authority during the financial year 2010-11.

2.0. Organisation and Recruitment / Appointments in 2010 – 11:

- 2.1. The Authority consists of a Chairperson and two other Members to be appointed by the Governor on the recommendations of Selection Committees whose constitution is prescribed vide Section 5 of the Act. The Chairperson shall be a person who is or who was of the rank of Chief Secretary or equivalent thereto. One Member shall be an expert in the field of water resources engineering and the other an expert in the field of water resources economy.
- 2.2. During the year 2010-11, Shri Ajit Nimbalkar continued to hold the post of the Chairman, Shri A.K.D. Jadhav the post of Member (Economy) and Shri V.V. Gaikwad the post of Member (Water Resources Engineering).
- 2.3. The five Special Invitees appointed by the State government vide Section 4 (d) of the Act on 13/03/2008 to assist the Authority in taking policy decisions viz. Dr. Sudhir Bhongale, Shri Y.R. Jadhav,

Adv. Madhukar Kimmatkar, Prof. R.D. Rane and Dr. S.S. Magar continued in their posts during the year 2010-11.

- 2.4. As per approved Regulation notified on 29/03/2010, the State Government sanctioned 38 posts in various grades on regular and contract to assist the Authority. The name of post, sanctioned strength and status of filling of post as on 31/03/2011 is given in table below

Sr No	Designation of the post	Sanctioned strength		Posts filled as on 31-3-2011	
		Regular	Contract	Regular	Contract
1.	Secretary	—	1	—	1
2.	Senior Director	1	—	—	—
3.	Director	2	—	—	—
4.	Deputy Director	1	2	—	1
5.	Accounts Officer (Class - I)	1	—	1 (on deputation)	—
6.	Assistant Director	3	2	1	4
7.	Personal Assistant	3	—	—	2
8.	Stenographer (SG)	1	1	1 (on deputation)	1
9.	Stenographer (HG)	—	2	—	1
10.	Section Officer	1	1	—	2
11.	Clerical Assistant	—	2	—	—
12.	Account Assistant	—	1	—	1
13.	Cashier	—	1	—	—
14.	Receptionist	1	—	—	1
15.	Driver	3	1	2	—
16.	Peon	—	7	—	4
		17	21	5	18

Posts sanctioned on regular basis are also operated on contract basis and also on a lower scale as per need of work.

- 2.5. During the year, the following relinquished their posts.
- (i) Shri G. K. Subhedar, Director (EER) on 30/06/2010.
 - (ii) Shri V. B. Wagh, Dy. Director (Planning) on 30/06/2010.
 - (iii) Shri P. B. Deshmukh, Typist on 30/06/2010
 - (iv) Smt. V. M. Chandawale, Clerk on 30/06/2010.

2.6. During the year, the following appointments were made

- (i) Shri P. R. Deshpande, Deputy Director (EER) on 05/04/2010
- (ii) Shri S. D. Patil, Assistant Director (Planning) on 01/04/2010

Organogram of the Authority is at **Annexure - 1**.

3.0. Activities of the Authority in 2010-11

3.1. Entitlements

3.1.1. A meeting was convened by the Authority at Pune on 21/05/2010 with officers of the Water Resource Department (WRD) to identify new pilot projects for inclusion in the Entitlement programme for 2010-11. Based on the discussions, the numbers of pilot projects were upscaled from 129 in 2009-10 to 229 in 2010-11 by inclusion of 100 new pilot projects; all under the World Bank assisted Maharashtra Water Sector Improvement Project. The number of Water User Associations (WUA) covered under the programme was increased from 212 in 2009-10 to 527 in 2010-11 [**Annexure - 2**].

3.1.2. Before the start of the Entitlement programme in rabi 2010, the Authority and WALMI organised three regional workshops for field officers, WUA & Regulators at Nagpur for Vidarbha region on 17/09/2010, at Aurangabad for Marathwada region on 04/10/2010 and at Pune for North & Western Maharashtra on 15/10/2010. Member (WRE), Deputy Director & Asst. Director attended all the three workshops while Secretary, MWRRRA

attended the workshop at Pune. During the workshops the various facets of Entitlement, contents of technical manual prepared by the Authority for Entitlement and duties of Regulator were explained to the participants.

3.1.3. For the 100 new pilot projects, the Authority worked out the Sanctioned Water Use Entitlement for normal (design) year. For all 229 pilot projects, the Applicable Water Use Entitlement based on storage at the end of kharif was vetted by the Authority and approval communicated to field officer.

3.1.4. Regulators were appointed for all the projects.

3.1.5. To assess the ground situation in regard to awareness of WUAs about the Entitlement programme, Member (WRE) undertook field visits to Kukadi, Kal-Amba, Harni, Yamai, Bhutekarwadi and Sukhana projects during January–February 2011. The Secretary, MWRRRA also undertook field visits to Chincholi, Hotgi, Mula and Mangi projects in January 2011. In March 2011, Secretary, MWRRRA participated in a WUA workshop at Savantwadi which included a visit to Nileli Project. The representatives of WUAs of ongoing interstate Tillari Project were also present for the workshop and Secretary had useful interaction with them

3.2. Bulk Water Tariff

3.2.1. The last stakeholder meeting to discuss the revised Approach Paper and draft Criteria on determination of Bulk Water Tariff was held at Nagpur on 02/04/2010. On completion of all the scheduled consultation meetings, the draft Criteria was discussed with the Special Invitees of the Authority in a meeting convened on 23/04/2010 and also with the Secretaries of WRD on the same date. Thereafter the Authority finalised the Criteria and

forwarded it to the WRD in June 2010 for preparing and submitting the tariff proposal in conformity with the Criteria.

- 3.2.2. The draft bulk water tariff proposal was received from the WRD in the last week of December 2010. This was scrutinised in the Authority and returned to WRD in January 2011 for taking action for public consultation. Accordingly WRD has taken action for publication of the abridged tariff proposal in the State level and district level newspapers which have wide circulation and placing the full proposal in all the offices of the Department in the taluka for access of the beneficiary public.
- 3.2.3. It is planned to issue the tariff orders by May 2011 after completion of the public consultation in April 2011.

3.3. Integrated State Water Plan

- 3.3.1. As per Section 15 of the Act, the preparation of sub basin plans & basin plan is the responsibility of the River Basin Agencies & the Authority is only a facilitator on this issue. The State Water Board, headed by Chief Secretary, is thereafter required to integrate the basin plans into an integrated State Water Plan for approval by the State Water Council headed by the Chief Minister.
- 3.3.2. As per the information received from field officers, Consultancy work for 17 sub basins out of the 30 sub basins of Godavari basin had been assigned to Consultants by concerned River Basin Agency till March 2009. During the year, Consultant for one more sub basin (Wainganga) was finalised. The concerned River Basin Agency convened public consultation meetings for all the 17 sub basins at various places in the basin during the year. Some of these meetings were attended by Member (WRE) or other officers of the Authority.

3.3.3. The sub basin reports prepared by Consultants are being processed by the concerned River Basin Agency for vetting of the hydrology and water availability chapter by CE (HP), Nashik.

3.3.4. The Authority convened during the year two meetings (on 23/06/2010 and 12/10/2010) with the Technical Advisor, CE (HP) Nashik and WRD officers to review the progress in preparation of the sub basin plans.

3.4. Clearance of New Projects

Under Section 11(f) of the MWRRA Act, the Authority is required to review and clear water resources projects proposed at the sub-basin and river basin level to ensure that a proposal is in conformity with Integrated State Water Plan and also with regard to the economic, hydrologic and environmental viability and where relevant, on the State's obligations under Tribunals, Agreements, or Decrees involving interstate Entitlements. During the year 2010-11, 1 medium, 1 minor irrigation projects were accorded clearance under Section 11 (f) of the Act [**Annexure - 3**]. 1 - medium irrigation project viz. Zari (Medium) LIS, Taluka Arjuni (Morgaon), District Gondia in Godavari basin of Vidarbha Region was given Authority's No objection for processing for environmental and forest clearance and keeping on shelf. While clearing the new projects, the Authority is following the directives issued by the Hon'ble Governor of Maharashtra from time to time for removal of physical and financial backlog.

3.5. Development of Web Site

During the year, the following additional information was hosted on the web site.

A) Tariff

- i) Revised Final Draft Criteria for Determination of Bulk Water Tariff (English)
- ii) Revised Final Draft Criteria for Determination of Bulk Water Tariff (Marathi)
- iii) Summary Report on Consultation Process (English)
- iv) Summary Report on Consultation Process (Marathi)
- v) Comments on Revised Final Draft of CBWT (English)
- vi) Comments on Revised Final Draft of CBWT (Marathi)
- vii) Final Criteria for Determination of Bulk Water Tariff (English)
- viii) Final Criteria for Determination of Bulk Water Tariff (Marathi)

B) Rules and Regulations

Drafts for inviting comments

- i) Tariff Regulation 2010 (English)
- ii) Tariff Regulation 2010 (Marathi)
- iii) Conduct of Business - Regulation 2010 - English - (Draft)
- iv) Conduct of Business - Regulation 2010 - Marathi - (Draft)
- v) Fees and Charges - Regulation 2010 - English - (Draft)
- vi) Fees and Charges - Regulation 2010 - Marathi - (Draft)

4.0. Formal Meetings of the Authority

The Authority formally meets once a month to discuss specific agenda items and twice a week informally to review progress on various issues. The main issues discussed in the formal meetings during the year were

- (i) Finalisation of the draft Criteria for Determination of Bulk water Tariff
- (ii) Finalisation of draft Regulations for Conduct of Business, Fees & Charges and procedure for determination of Criteria for Tariff and issue of tariff order.
- (iii) Finalisation of draft approach paper for trading in Entitlement, modification in Entitlement and draft Criteria for issuance of Entitlement for non-irrigation users.

5.0 Visit Of Dignitaries To The Authority

5.1. During the year the following dignitaries visited the Authority and were briefed about the activities of the Authority.

31/08/2010	Mr. Arjun Thapan, Special Senior Advisor for Infrastructure & Water, Office of the President, Asian Development Bank. Mr. Anand Chiplunkar, Principal Water Supply & Sanitation Specialist, Regional & Sustainable Development Department, Asian Development Bank.
20/12/2010	Dr. Mihir Shah, Member, Planning Commission, Govt. of India.
05/01/2011	Hon'ble Shri Sunil Tatkare, Minister for Water Resources (excluding MKVDC), Govt. Of Maharashtra. Hon'ble Shri Ramraje Naik-Nimbalkar, Minister for Water Resources (MKVDC), Govt. Of Maharashtra. Hon'ble Shri Rajendra Mulak, Minister of State (Finance, Energy, Planning, Water Resources, Parliamentary Affairs, State Excise) Govt. Of Maharashtra.
01/02/2011	Dr. M. A. Chitale, former Secretary, Union Ministry of Water Resources & Secretary General, ICID and former Chairman, Maharashtra Water and Irrigation Commission.

5.2. Visit of Senior Officials of other State Governments

On 20/12/2010, Shri B.C. Nigam, Special Secretary, Water Resources, Govt. of Jharkhand had discussions in the Authority on the MWRRA Act and other reform measures in the State.

6.0. Important Meetings:

6.1. During the year the following important meetings were held

08/04/2010	Meeting with Shri N.D. Patil and other NGOs on Draft Bulk Water Tariff Criteria
23/04/2010	Meeting with the Special Invitees to the Authority on Draft Bulk Water Tariff Criteria
23/04/2010	Meeting with Secretary (WR) and Secretary (CAD) of WRD, Govt. Of Maharashtra on Draft Bulk Water Tariff Criteria
06/05/2010	Meeting with Chief Engineer (WR), VIDC and other officers on progress report on financial backlog removal for Amravati for the quarter ending March 2010.
23/06/2010	Meeting with Chief Engineer (WR) & JS, WRD, CE (WR) Aurangabad and other officers on preparation of State Water Plan for Godavari
11/08/2010	Meeting convened in Mantralaya by Hon'ble Minister for Water Resources to discuss various issues concerning the Authority.
23/09/2010	Meeting with Principal Secretary, WS&SD, Secretary, UDD & CE, MIDC on water quality improvement in rivers in the State.
30/09/2010	Meeting with Member Secretary, MPCB on water quality

07/10/2010	Meeting with Technical Adviser, Godavari Basin, CE (HP) Nashik and CE (WR) & JS, WRD on clearance of local sector schemes and hydrological studies for sub basin plans of Godavari
26/11/2010	Induction training of direct Class I officers of WRD selected through MPSC (first batch)
30/11/2010	Meeting with officials from New Delhi office of Asian Development Bank on public private partnership in irrigation and sanitation sectors
04/02/2011	Induction training of direct Class I officers of WRD selected through MPSC (second batch)
04/03/2011	Induction training of direct Class I officers of WRD selected through MPSC (third batch)

6.2. Presentation by Agencies

During the year, presentations were made in the Authority on topics of interest by reputed agencies in the respective fields

20/08/2010 & 24/02/2011	Dr. Ashok Harane, IL&FS, Mumbai on solar power development along irrigation canals.
23/09/2010	Shri Sunder Subramaniam & others from Imacs - ICRA, Mumbai on project for utilisation of treated sewage effluent for industries in Surat
10/11/2010	Shri S.P. Jadhav, Sr. Manager, Jain Irrigation on Drip Irrigation
11/11/2010	Dr. Shirish Naik, Naik Enviro Engineers, Mumbai on domestic sewage treatment

7.0. Legal Matters

- 7.1. The agreement signed by the Authority with M/s. Dua Associates on 30/12/2009 appointing the firm as its legal consultants was terminated with mutual agreement of both parties on 20/09/2010. The process for appointing a new legal consultant as per World Bank procedure is now in hand.
- 7.2. The Authority was made a respondent in a petition filed in the Nagpur bench of the Bombay High Court by the Society for Backlog Removal & Development (Amravati) on allocation of water from Upper Wardha Dam to Sofia Power Co. The Authority filed two affidavits in reply to the points raised by the Petitioners on issues concerning the Authority.
- 7.3. The Authority received a petition from the President, Maharashtra Irrigation Federation and others regarding water allocation for non-irrigation from Hetawane Medium Irrigation Project. However, no hearings were held on this petition during the year as the issue raised was linked to a similar matter concerning Upper Wardha Project which was before the Nagpur Bench of the Bombay High Court.
- 7.4. The Authority in its capacity as the appellate body for review of decision of Primary Dispute Resolution Officer on issuance or delivery of Entitlement under Section 22 of the Act, received a Petition filed by Bharatiya Kisan Sangh and others on a dispute relating to Pawana Dam in Krishna valley. The Authority served a copy of the Petition to the Respondents viz. WRD & Pimpri Chinchwad Municipal Corporation for the replies.
- 7.5. The Authority is also as Respondent in a Public Interest Litigation filed by Shri P.Y. Ambedkar in Bombay High Court on plight of farmers in Vidarbha. The matter is at admission stage.

7.6. The State Government issued an ordinance on 17/09/2010 making certain amendments in the MWRRA Act 2005 to clarify the role of the State government and the Authority in relation to allocation of water. As the bill for converting this Ordinance into an Act could not be passed by the State Assembly before the mandated date of 11/01/2011, the State government with a view to continue the operation of the provisions of the said Ordinance promulgated the Ordinance again on 11/01/2011.

8.0. Seminars / Conferences Attended By MWRRA Officers

During the year Chairman, Members and Secretary attended number of conferences / seminars relating to Regulations and other aspects of water resources development. **Annexure - 4** gives a list of seminars and conferences attended.

9.0. Library

The process of acquiring new technical books and journals for the library was continued. During the year 2010–11, 36 new books were procured and taking the total number of books in the library to 238. Currently the Authority is subscribing 11 journals / magazines for library.

10.0. Accounts and Audit

10.1. As per the Section 19 (4) of the MWRRA Act, 2005, the accounts of the Authority, as certified by the Accountant General or any other person appointed by him in this behalf, together with the audit report thereon shall be forwarded annually to the State government by the Authority and the State government shall cause the audit report to be laid within a period of six months from the date of its receipt before the State Legislature. For the year 2008-09,

the Annual Accounts statement and the Separate Audit Report by the Comptroller and Auditor General of India were laid before the State Legislature by the State government on 13/12/2010.

10.2. The accounts of the Authority for 2009-10 have been audited by the Chartered Accountant and also the Comptroller and Auditor General of India and the audit report is received and compliances/ replies are submitted to A.G. Office.

10.3. As per Section 17 of the Act, the State government is required to make available grants and advances to the Authority to enable it to perform its assigned duties. The Authority is required to prepare a budget for each financial year showing estimated receipts and expenditure and forward it to the State government. The budget estimates, revised estimate and actual expenditure for 2010-11 upto 31/3/2011 and budget estimate for 2011-12 are given below,

(Rs. in lakhs)

Year	Budget Estimate 2010-11	Revised Estimate 2010-11	Actual Expenditure April 2010 to March 2011	Budget Estimate 2011-12
Plan				
Works	5.00	--	--	1.00
Goods	--	0.92	0.92	1.00
Consultancy & Training	1.00	5.00	4.16	10.00
Incremental Operating cost	254.02	268.46	241.09	300.39
Sub-total	260.02	274.38	246.17	312.39
Non-plan	25.00	35.00	9.56	25.00
TOTAL	285.02	309.38	255.73	337.39

11.0. Irrigation Backlog:

- 11.1. The district-wise backlog in the Irrigation Sector (physical and financial) was assessed by the Indicators & Backlog Committee as on 01/04/1994. The financial backlog of Irrigation Sector as on 01/04/1994 was Rs. 7418 crore and then it was reconciled in year 2000 and recalculated as Rs. 6618.37 crore (Refer Para 4 of Directives of Hon'ble Governor dated 19/03/2010). The directives issued by the Hon'ble Governor since 2001 have focussed on liquidation of this backlog which has been liquidated in all the districts by March 2011. Although it was expected that the physical backlog in all the districts (with reference to State average of April 1994 of potential created in SRE as percentage of net sown area i.e. 35.11%) would also be removed *pari-passu* with the removal of the financial backlog, however due to inflation, time and cost overruns, there is no commensurate achievement in liquidation of the balance physical backlog.
- 11.2. As on June 2009, there was accordingly an irrigation backlog of 273.72 thousand hectare (th.ha.) in SRE in four districts of the State viz. Ratnagiri, Buldhana, Akola (incl. Washim) & Amravati [**Annexure - 5 (2)**]. During the year 2009-10, an irrigation backlog of 16,410 ha in SRE was removed from these four districts leaving a balance of 257.31 th.ha in SRE. The bulk of the backlog is in the three districts of Amravati Division viz. Buldhana, Akola (incl. Washim) and Amravati (255.12 th.ha in SRE) [**Annexure - 5 (1)**].
- 11.3 On the directives of the Hon'ble Governor, the Authority has been since 2008-09 monitoring on a quarterly basis the progress of on-going projects in Amravati Division and submitting reports to the Hon'ble Governor. The main objective of this exercise was to monitor the removal of the financial backlog. Now that financial backlog has been fully liquidated in 2010-11, the Authority is

continuing the exercise in 2011-12 with focus on removal of physical backlog.

- 11.4. It is observed that the pace of removal of the physical backlog has progressively slowed down in the last 3 years in the Amravati Division as shown in table below

Year	Balance Backlog (th.ha SRE)	Backlog removed during the year (th.ha SRE)
June 2007	338.07	
June 2008	291.37	46.70
June 2009	263.40	27.97
June 2010	255.12	8.28

Thus by June 2011, substantial physical backlog will still remain to be removed although the financial backlog is removed. What is required is that planning should be done to remove the balance physical backlog in 5 years (by 2016) which calls for stepping up the pace of creation of potential to about 50,000 ha per year. VIDC should identify the bottlenecks coming in the way of potential creation and take remedial action to achieve the target. The Authority will also be closely monitoring this.

- 11.5. As per the Section 20 (1) (b) of the MWRRA Act, *“Such annual report shall include an Annexure containing irrigation backlog of each district based on the State average Rabi equivalent irrigation potential Districtwise sown area, standard Rabi equivalent irrigation potential from State sector and local sector schemes, percentage of irrigation potential to the sown area, percentage less than the State average, backlog in hectare for the latest year for which the data is available, and every year thereafter, physical backlog worked out on the basis of State average and financial backlog based on the latest schedule of rates.”* In pursuance of the above, the Authority has compiled district-wise backlog

(physical and financial) on the basis of State average of potential created to net sown area of 58.06% as on June 2010. This is given in **[Annexure - 5 (3)]**

- 11.6. Further as per the Section 20 (1) (c) of the MWRRA Act, "*Such report shall also include Annexure showing District-wise and Region-wise yearly expenditure incurred on the Irrigation Sector and cumulative figures up to latest year for which data is available and every year thereafter.*" The Annexure containing district-wise expenditure incurred during the year 2009–10 up to March 2010 on irrigation sector as furnished by Water Resources Department vide their letter dated 25/6/2011 is given in **Annexure - 6**.

12.0. Implementation of Right to Information Act (RTI), 2005

- 12.1 The Authority has appointed Deputy Director (EER) and Accounts Officer as the State Public Information officers for purposes of replying to queries received under RTI Act pertaining to technical matters and establishment/accounts matter respectively. The Authority has also appointed Secretary of the Authority as the Appellate Officer.

- 12.2 During the year 2010-11, the Authority received five applications for information under RTI Act. The required information was furnished in four cases and in the fifth case, applicant did not make payment of postal & Xerox charges demanded from him for furnishing the information.

13.0. Action Plan 2011 - 12

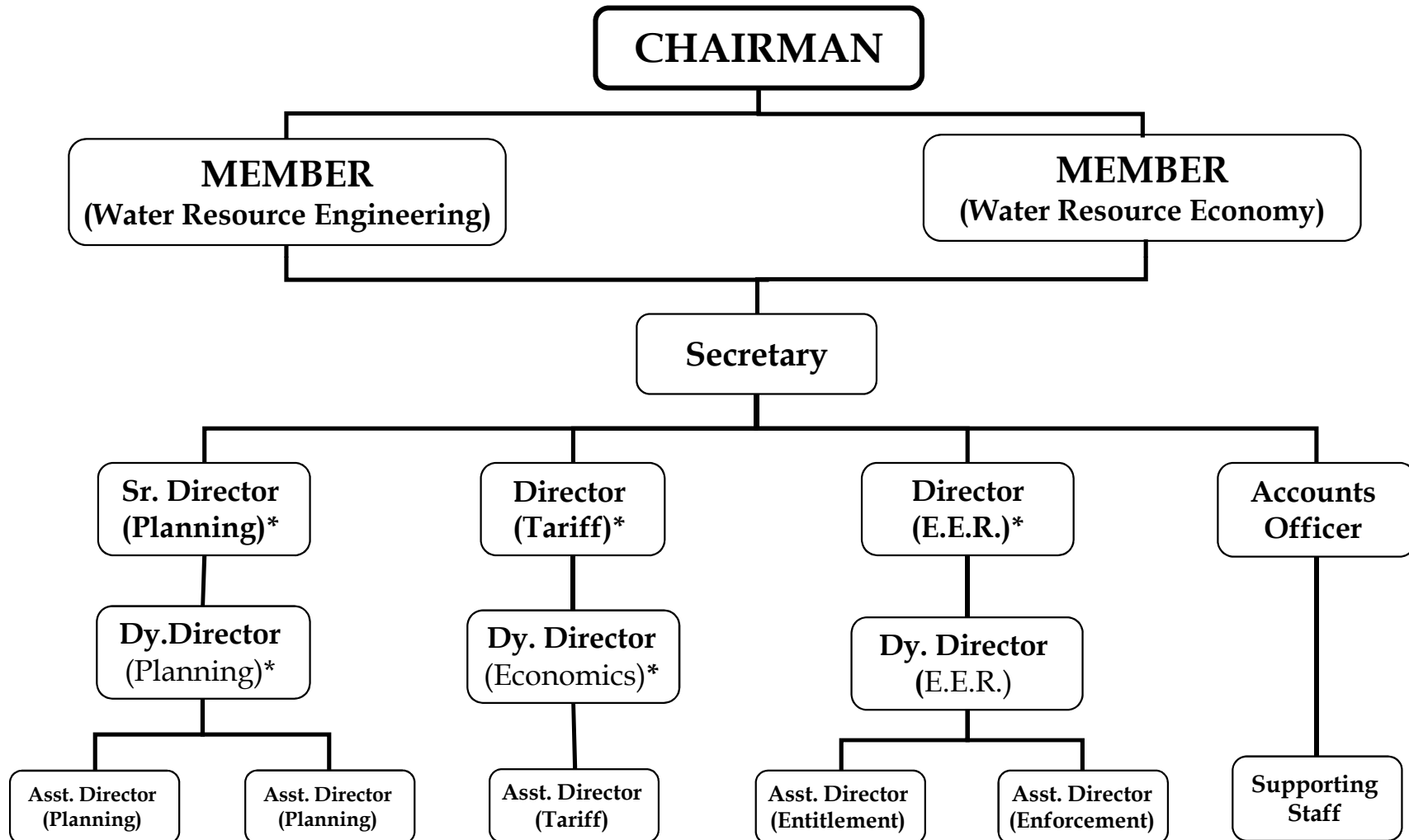
The proposed Action Plan of the Authority for 2011–12 is at **Annexure - 7**.

Annexure 1

(Ref : Para 2.6.)

Organogram

* – Vacant



Annexure 2

(Ref : Para 3.1.1.)

Pilot Projects for Entitlement for the Year 2010-11

Sr. No.	Name of Project	Basin	No. of WUAs under Entitlement
I	Pilot Projects 2006-07		
	Major		
1	Kukadi	Krishna	10
2	Ghod	Krishna	10
	Medium		
3	Mangi	Krishna	8
	Minor		
4	Diwale	Krishna	1
5	Benikre	Krishna	1
	Wafgaon (Deleted)	Krishna	
II	Pilot Projects 2007-08		
	Major		
6	Lower Manar	Godavari	3
7	Lower Wenna	Godavari	1
8	Hatnur	Tapi	2
	Medium		
9	Waghad	Godavari	24
10	Katepurna	Tapi	7
11	Panzara	Tapi	2
	Minor		
12	Hiware	Krishna	1
13	Banganga	Krishna	3
14	Nandwal	Krishna	1
15	Chincholi	Krishna	2
16	Anjani	Krishna	1
17	Ambegaon	Godavari	1
18	Bhutekarwadi	Godavari	1
19	Botezari	Godavari	1
20	Dongargaon	Godavari	1
III	Pilot Projects 2008-09		
	Major		
21	Palkhed	Godavari	1
22	Mula	Godavari	113
23	Ozarkhed	Godavari	1
	Medium		
24	Sukhana	Godavari	7
25	Gharni	Godavari	2
26	Chulband	Godavari	2
27	Kolar	Godavari	1

Annexure 2

Sr. No.	Name of Project	Basin	No. of WUAs under Entitlement
28	Koradi	Godavari	1
29	Ghatsilpargaon	Godavari	4
	Minor		
30	Dastapur	Godavari	1
31	Nanduri	Tapi	1
32	Dhamangaon Deshmukh	Tapi	1
33	Anji	Godavari	1
34	Ghoti	Godavari	1
35	Chare	Krishna	1
36	Kalambwadi	Krishna	1
37	Mamdapur	Krishna	1
38	Walwad	Krishna	1
39	Aundha	Godavari	1
40	Kakaddhaba	Godavari	1
41	Suregaon	Godavari	1
42	Wadad	Godavari	1
43	Mulzara	Godavari	1
44	Nichpur	Godavari	1
45	Sugaon	Godavari	1
46	Dhakani	Krishna	1
47	Kankatrewadi	Krishna	1
48	Shiraswadi	Krishna	1
49	Tambave	Krishna	2
50	Manpadale	Krishna	1
51	Atpadi	Krishna	2
52	Dudhebhavi	Krishna	1
53	Siddhanath	Krishna	1
54	Decope	West Flowing	1
55	Kolhi	Tapi	1
56	Banoti	Tapi	1
57	Pardeshwadi	Godavari	1
58	Bharaj	Godavari	1
59	Pimparkheda	Godavari	1
60	Belgaon	Krishna	1
61	Golangri	Godavari	1
62	Kambali	Krishna	1
63	Nagthana	Godavari	1
64	Charthana	Godavari	1
65	Harni	Krishna	7
66	Yamai	Krishna	2
67	Badrakha	Tapi	1
68	Galan	Tapi	1

Annexure 2

Sr. No.	Name of Project	Basin	No. of WUAs under Entitlement
69	Shewaga	Tapi	1
70	Nawegaon Bandh (Deleted)	Godavari	2
71	Khapri	Godavari	1
72	Mohri	Godavari	1
73	Ambazari	Godavari	1
74	Anji Bhorkhed	Godavari	1
75	Ashti	Godavari	1
76	Kannamwargram	Godavari	1
77	Umari	Godavari	1
IV	Pilot Projects 2009-10		
	Medium		
78	Rengepar	Godavari	2
79	Kanholinala	Godavari	6
	Minor		
80	Isapur	Tapi	1
81	Kanadi	Tapi	1
82	Mozari	Tapi	1
83	Pimpalgaon Hande	Tapi	1
84	Khatijapur	Tapi	2
85	Sarswati	Godavari	1
86	Andhera	Godavari	1
87	Pimpalgaon Nath	Tapi	1
88	Telhara	Godavari	1
89	Zari	Godavari	1
90	Eklara	Godavari	1
91	Khadakdoh	Godavari	1
92	Hanjagi	Krishna	1
93	Hotgi	Krishna	2
94	Padvalkarwadi	Krishna	2
95	Pathri	Krishna	2
96	Shirvalwadi	Krishna	2
97	Bothi	Godavari	1
98	Akharga	Godavari	1
99	Pilanwadi	Krishna	1
100	Satewadi	Krishna	1
101	Shendhri	Krishna	1
102	Dighanchi	Krishna	1
103	Kuchi	Krishna	1
104	Linganur	Krishna	1
105	Raitale	West Flowing	1
106	Motsawanga	Godavari	1
107	Ranjangaon	Godavari	1

Annexure 2

Sr. No.	Name of Project	Basin	No. of WUAs under Entitlement
108	Konad	Godavari	1
109	Kasarbalkunda	Godavari	1
110	Bagalwadi	Krishna	1
111	Chougaon	Tapi	1
112	Kothare	Tapi	1
113	Mitgaon	Tapi	1
114	Nimgul	Tapi	1
115	Hatgaon	Tapi	1
116	Kankaraj	Tapi	1
117	Satighat	Godavari	1
118	Suwardhara	Godavari	1
119	Ukarvahi	Godavari	1
120	Urkudapar	Godavari	1
121	Zilpa	Godavari	1
122	Bhalwani	Godavari	1
123	Tikhol	Godavari	1
124	Ekalhare	Godavari	1
125	Ramshej	Godavari	1
126	Kawadi	Godavari	1
127	Savangi	Godavari	1
128	Nivali	Godavari	1
129	Gotala	Godavari	1
	Pilot Projects 2010-11		
	Major		
130	Kal - Amba	West Flowing	3
131	Upper Pus	Godavari	30
132	Pench	Godavari	21
133	Itiadoh	Godavari	8
	Medium		
134	Krishna Canal	Krishna	5
	Minor		
135	Shirsuphal	Krishna	1
136	Wafgaon	Krishna	1
137	Alegaon Paga	Krishna	1
138	Pimpoli	Krishna	1
139	Walen	Krishna	1
140	Mahur	Krishna	1
141	Hingangaon	Krishna	1
142	Mayani	Krishna	1
143	Pingali	Krishna	3
144	Shegaon	Krishna	1
145	Kadegaon	Krishna	1

Annexure 2

Sr. No.	Name of Project	Basin	No. of WUAs under Entitlement
146	Kandalgaon	Krishna	1
147	Karanjeevane	Krishna	1
148	Rampur	Krishna	1
149	Awasare	West Flowing	1
150	Bhilawale	West Flowing	1
151	Dongaste	West Flowing	1
152	Jambhurde	West Flowing	1
153	Kharade	West Flowing	1
154	Kondgaon	West Flowing	1
155	Shrigaon	West Flowing	1
156	Thakurwadi	West Flowing	1
157	Unhere	West Flowing	1
158	Usgaon	West Flowing	1
159	Usran	West Flowing	1
160	Velholi	West Flowing	1
161	Warandh	West Flowing	1
162	Shirwali	West Flowing	1
163	Kalwande	West Flowing	1
164	Vhel	West Flowing	1
165	Tithwali	West Flowing	1
166	Shirgaon	West Flowing	1
167	Nileli	West Flowing	1
168	Oras	West Flowing	1
169	Harkul	West Flowing	1
170	Shirwal	West Flowing	1
171	Madkhol	West Flowing	1
172	Amboli	West Flowing	1
173	Karala	Godavari	1
174	Kedarnath	Godavari	1
175	Pimprala	Godavari	1
176	Parola	Godavari	1
177	Kalamnuri	Godavari	1
178	Walki	Godavari	1
179	Marsul	Godavari	1
180	Purjal	Godavari	1
181	Keli	Godavari	1
182	Ghordhari	Godavari	1
183	Sawna	Godavari	1
184	Karanji	Godavari	1
185	Dudhana	Godavari	1
186	Nignoor	Godavari	1
187	Pimpalshenda	Tapi	1

Annexure 2

Sr. No.	Name of Project	Basin	No. of WUAs under Entitlement
188	Tuljapur	Tapi	1
189	Dharur	Tapi	1
190	Vyaghra	Tapi	8
191	Sirputi	Godavari	1
192	Koyali	Godavari	1
193	Sonkhas	Tapi	1
194	Hiwara (Lahe)	Godavari	1
195	Singhdoh	Godavari	1
196	Asola-Ingole	Godavari	1
197	Shekdari	Godavari	9
198	Malkhed	Godavari	6
199	Satnoor	Godavari	2
200	Salai	Tapi	1
201	Manjara	Godavari	3
202	Wai	Godavari	3
203	Adol	Godavari	2
204	Vidrupa	Godavari	3
205	Devgaon	Godavari	1
206	Kelgaon	Godavari	1
207	Mandvi	Godavari	1
208	Nakhatwadi	Godavari	1
209	Paratwadi	Godavari	1
210	Tandulwadi	Godavari	1
211	Wadali	Godavari	1
212	Tintaraj	Krishna	1
213	Amboli	Godavari	1
214	Khadak Ozar	Godavari	2
215	Velhale	Tapi	1
216	Khaparkheda	Tapi	1
217	Kondhawal	Tapi	1
218	Budaki	Tapi	1
219	Ambebara	Tapi	1
220	Dudhakheda	Tapi	1
221	Khadkuna	Tapi	1
222	Khekada	Tapi	1
223	Aktitola	Godavari	1
224	Khumari	Godavari	1
225	Pipriya	Godavari	1
226	Ankhoda	Godavari	1
227	Dongargaon (C)	Godavari	1
228	Lagam	Godavari	1
229	Sondo	Godavari	1
			527

Annexure 3

(Ref : Para 3.4.)

Irrigation Projects Cleared by MWRRA under Sec. 11 (f) of MWRRA Act

Sr No.	Name of Project	Taluka	District	Basin/ Region
	Medium Irrigation Projects			
1	Pentipaka (Medium) Lift Irrigation Scheme (LIS)	Sironcha	Gadchiroli	Godavari / Vidarbha
	Minor Irrigation Projects			
1	6 - Lift cum Drip Irrigation Pilot Projects in Chikotra Valley			
	Bamne	Bhudargad		
	Begawade	Bhudargad		
	Belewadi Hubalgi	Aajara		
	Belewadi Kalamma	Kagal	Kolhapur	Krishna / Western Maharashtra
	Hasur Bk	Kagal		
	Mangnur	Kagal		

Annexure 4

(Ref : Para 8.0.)

Seminar / Workshop attended by Hon. Chairman, Members, Secretary and other officers in 2010 - 11

Sr. No.	Name of the Officer(s)	Name of Seminar / Workshop / Course & Venue	Organiser	Date
1	Mr. S.V. Sodal (Secretary)	3 rd Annual Conference on "Water in India"; The Imperial, New Delhi	Indian Infrastructure, New Delhi	21 st -22 nd Apr. 2010
2	Mr. S.V. Sodal (Secretary)	Conference on "Urban Water Management - Challenges & Solutions", The Lalit, Mumbai	CII, Mumbai	4 th June 2010
3	Mr. S.V. Sodal (Secretary)	Conference on "India Water Dialogues", The Lalit, New Delhi	CII & CEEW	8 th July 2010
4	Mr. V. V. Gaikwad (Member) Mr. P. R. Deshpande (Deputy Director)	Stakeholders Consultation meeting for preparation of SWP for Dudhana & Purna sub-basin of Godavari basin	Chief Engineer (WR), WRD, Aurangabad	8 th Aug. 2010
5	Mr. V. V. Gaikwad (Member) Mr. S.V. Sodal (Secretary)	Conference on India Water Dialogues, Hotel Hyatt Regency, Mumbai	CII & CEEW	1 st Sept. 2010
6	Mr. V. V. Gaikwad (Member) Mr. P. R. Deshpande (Deputy Director)	Stakeholders Consultation meeting for preparation of SWP for Manjra sub-basin of Godavari basin	Chief Engineer (WR), WRD, Aurangabad	3 rd Sept. 2010
7	Mr. S.V. Sodal (Secretary)	2010 World Water Week, Stockholm	Stockholm International Water Institute, Stockholm, Sweden	5 th -11 th Sept. 2010
8	Mr. Ajit Nimbalkar (Chairman)	Conference on "Water : Crisis & Choices" at Manila, Philippines	Asian Development Bank, Philippines	11 th -15 th Oct. 2010
9	Mr. S.V. Sodal (Secretary)	India International Water Summit; Hotel Hyatt Regency, New Delhi	MoWR, GoI & Indian Chamber of Commerce	30 th Oct. 2010
10	Mr. V. V. Gaikwad (Member)	CII's 4 th Conference on -Water Management & Technology Conference 2010; Aurangabad	CII, Mumbai	30 th Oct. 2010

Annexure 4

Sr. No.	Name of the Officer(s)	Name of Seminar / Workshop / Course & Venue	Organiser	Date
11	Mr. Ajit Nimbalkar (Chairman)	Conference on “Collaborative Pathways for Water Security in India”; Hotel Taj-Palace, New Delhi	World Economic Forum & CII	14 th Nov. 2010
12	Mr. S.V. Sodal (Secretary)	Study Tour of the Govt. of India & Govt. of Maharashtra officials to USA & Brazil	The World Bank	14-27 Nov. 2010
13	Mr. A. Sekhar (Consultant) Mr. S.V. Sodal (Secretary)	Seminar on “Water Sector reforms” at Gandhinagar (Gujarat)	CWC, Gandhinagar & WRD, Govt. of Gujarat	20 th Jan. 2011
14	Mr. S.V. Sodal (Secretary)	CEO’s meet on “Transforming Municipal & Industrial Water Landscape – Issues, Challenges & Opportunities”, Hotel Lalit, New Delhi.	CII, New Delhi	11 th Feb. 2011
15	Mr. S.V. Sodal (Secretary)	National Regulatory Conclave - Moving Towards the Next Stage of Regulatory Framework, at India Habitat Centre, New Delhi	CII, New Delhi & Planning Commission, GoI	15 th Feb. 2011
16	Mr. A. Sekhar (Consultant)	Seminar on “Water for Inclusive Growth” at Gandhinagar (Gujarat)	Govt. of Gujarat & CBIP, New Delhi	22 nd March 2011

Annexure 5 (1)*

(Ref : Para 11.2.)

District-wise Backlog as per Potential Created by June 2010 against State Average of 35.11%

(Area in '000' ha.)

Sr. No.	District	Net sown area '000' Hect.	Potential Created in June 2010 in S.R.E.			Percentage of Created Potential w.r.t. col 3	Irrigation Backlog '000' Hect. In S.R.E.
			S.S.	L.S. (Provisional)	TOTAL		
1	2	3	4	5	6	7	8
1	Mumbai						
2	Thane	289.80	162.25	15.58	177.83	61.36	NIL
3	Raigad	188.60	81.97	9.36	91.33	48.43	NIL
4	Ratnagiri	247.00	73.73	10.79	84.52	34.22	2.19
5	Sindhurg	153.00	60.77	19.46	80.23	52.44	NIL
	Kokan Dn.	878.40	378.73	55.19	433.92	49.40	2.19
	Kokan Ex BM.	878.40	378.73	55.19	433.92	49.40	2.19
6	Nasik	896.80	346.66	92.94	439.60	49.02	NIL
7	Dhule/Nandurbar	732.90	301.76	80.25	382.00	52.12	NIL
8	Jalgaon	852.30	437.56	47.90	485.46	56.96	NIL
9	Ahmednagar	1,175.90	654.92	157.31	812.23	69.07	NIL
	Nasik Dn.	3,657.90	1,740.90	378.40	2,119.30	57.94	0.00
10	Pune	981.50	719.04	65.34	784.38	79.92	NIL
11	Satara	584.60	419.63	72.01	491.64	84.10	NIL
12	Sangli	592.80	599.29	43.99	643.29	108.52	NIL
13	Solapur	1,085.80	650.60	87.28	737.87	67.96	NIL
14	Kolhapur	418.30	950.44	32.40	982.83	234.96	NIL
	Pune Dn.	3,663.00	3,339.00	301.02	3,640.01	99.37	0.00
	Rest of Mah.	8,199.30	5,458.62	734.61	6,193.23	75.53	2.19
	Rest of Mah Ex.BM	8,199.30	5,458.62	734.61	6,193.23	75.53	2.19
15	Aurangabad.	702.00	224.55	89.46	314.01	44.73	NIL
16	Jalana	609.20	157.71	69.52	227.23	37.30	NIL
17	Parbhani/Hingoli	849.90	423.13	12.77	435.90	51.29	NIL
18	Beed	828.60	307.91	87.01	394.92	47.66	NIL
19	Nanded	728.30	370.26	24.16	394.42	54.16	NIL
20	Osmanabad	536.10	192.33	77.42	269.74	50.32	NIL
21	Latur	501.80	183.33	55.62	238.95	47.62	NIL
	Marathwada Dn.	4,755.90	1,859.22	415.95	2,275.17	47.84	0.00
22	Buldhana	701.50	145.98	25.77	171.75	24.48	74.53
23	Akola/Washim	827.10	163.57	27.73	191.30	23.13	99.08
24	Amravati	751.10	156.97	25.21	182.18	24.26	81.51
25	Yavatmal	857.90	276.75	30.80	307.55	35.85	NIL
	Amravati Dn.	3,137.60	743.28	109.51	852.79	27.18	255.12
26	Wardha	381.00	150.00	11.72	161.72	42.45	NIL
27	Nagpur	554.00	233.38	37.04	270.42	48.81	NIL
28	Bhandara/Gondia	371.30	357.68	68.91	426.59	114.89	NIL
29	Chandrapur	474.40	133.11	75.46	208.57	43.97	NIL
30	Gadchiroli	188.50	63.47	34.32	97.79	51.88	NIL
	Nagpur Dn.	1,969.20	937.64	227.44	1,165.08	59.17	0.00
	Vidarbha	5,106.80	1,680.92	336.96	2,017.87	39.51	255.12
	Mah.State	18,062.00	8,998.76	1,487.52	10,486.28	58.06	257.31

Irrigation Backlog (col. 8) = (35.11 - col. 7) x net sown area / 100

* - This information is received from WRD Mumbai's letter No. PLN-2011(91/2011)P&M-1 dated 25/06/2011

Annexure 5 (2)*

(Ref : Para 11.2.)

District-wise Backlog as per Potential Created by June 2009 against State Average of 35.11%

(Area in '000' ha.)

Sr. No.	District	Net sown area '000' Hect.	Potential Created in June 2009 in S.R.E.			Percentage of Created Potential w.r.t. col 3	Irrigation Backlog '000' Hect. In S.R.E.
			S.S.	L.S.	TOTAL		
1	2	3	4	5	6	7	8
1	Mumbai						
2	Thane	289.80	162.01	15.02	177.03	61.09	NIL
3	Raigad	188.60	81.09	9.62	90.71	48.10	NIL
4	Ratnagiri	247.00	65.67	10.73	76.40	30.93	10.32
5	Sindhurg	153.00	51.74	19.30	71.04	46.43	NIL
	Kokan Dn.	878.40	360.51	54.67	415.18	47.27	10.32
	Kokan Excluding BM.	878.40	360.51	54.67	415.18	47.27	10.32
6	Nasik	896.80	334.97	79.88	414.85	46.26	NIL
7	Dhule/Nandurbar	732.90	287.77	69.00	356.77	48.68	NIL
8	Jalgaon	852.30	427.65	38.11	465.76	54.65	NIL
9	Ahmednagar	1,175.90	654.18	87.94	742.12	63.11	NIL
	Nasik Dn.	3,657.90	1,704.58	274.93	1,979.51	54.12	0.00
10	Pune	981.50	691.26	64.41	755.67	76.99	NIL
11	Satara	584.60	411.57	71.11	482.68	82.57	NIL
12	Sangli	592.80	595.08	41.31	636.39	107.35	NIL
13	Solapur	1,085.80	640.04	86.19	726.24	66.88	NIL
14	Kolhapur	418.30	936.05	26.94	962.99	230.22	NIL
	Pune Dn.	3,663.00	3,274.00	289.96	3,563.97	97.30	0.00
	Rest of Mah.	8,199.30	5,339.09	619.56	5,958.65	72.67	10.32
	Rest of Mah Ex.BM	8,199.30	5,339.09	619.56	5,958.65	72.67	10.32
15	Aurangabad.	702.00	216.70	87.48	304.18	43.33	NIL
16	Jalana	609.20	150.31	64.73	215.04	35.30	NIL
17	Parbhani/Hingoli	849.90	404.85	11.74	416.60	49.02	NIL
18	Beed	828.60	305.04	86.00	391.04	47.19	NIL
19	Nanded	728.30	351.28	24.16	375.45	51.55	NIL
20	Osmanabad	536.10	189.59	75.09	264.69	49.37	NIL
21	Latur	501.80	179.79	54.22	234.01	46.63	NIL
	Marathwada Dn.	4,755.90	1,797.56	403.44	2,201.01	46.28	0.00
22	Buldhana	701.50	142.82	25.77	168.59	24.03	77.69
23	Akola/Washim	827.10	162.38	27.73	190.11	22.98	100.27
24	Amravati	751.10	154.31	23.94	178.26	23.73	85.44
25	Yavatmal	857.90	272.30	30.74	303.03	35.32	NIL
	Amravati Dn.	3,137.60	731.81	108.17	839.98	26.77	263.40
26	Wardha	381.00	149.25	11.61	160.86	42.22	NIL
27	Nagpur	554.00	232.72	36.87	269.59	48.66	NIL
28	Bhandara/Gondia	371.30	347.33	68.74	416.06	112.06	NIL
29	Chandrapur	474.40	126.66	73.62	200.28	42.22	NIL
30	Gadchiroli	188.50	62.37	31.87	94.24	50.00	NIL
	Nagpur Dn.	1,969.20	918.33	222.70	1,141.03	57.94	0.00
	Vidarbha	5,106.80	1,650.14	330.87	1,981.01	38.79	263.40
	Mah.State	18,062.00	8,786.79	1,353.88	10,140.67	56.14	273.72

Irrigation Backlog (col. 8) = (35.11 - col. 7) x net sown area / 100

* - This information is received from WRD Mumbai's letter No. PLN-2009(499/2009)P&M-1 dated 11/11/2010

Annexure 5 (3)*

(Ref : Para 11.5.)

District-wise Backlog as per Potential Created by June 2010 against State Average of 58.06%

Sr. No.	District	Net sown area '000' Hect.	Potential Created in June 2010 in			Percentage of Potential Created w.r.t.col.3	Irrigation Backlog '000' Hect. In S.R.E.	Backlog Amount @ Rs. 80,000 per ha #
			S.R.E.					
			S.S.	L.S. (Provisional)	TOTAL			
1	2	3	4	5	6	7	8	9
1	Mumbai							
2	Mumbai Sub-urban							
3	Thane	289.80	162.25	15.58	177.83	61.36	NIL	-
4	Raigad	188.60	81.97	9.36	91.33	48.43	18.16	145.28
5	Ratnagiri	247.00	73.73	10.79	84.52	34.22	58.88	471.04
6	Sindhudurg	153.00	60.77	19.46	80.23	52.44	8.60	68.80
	Kokan Dn.	878.40	378.73	55.19	433.92	49.40	85.64	685.12
	Kokan Ex. BM.	878.40	378.73	55.19	433.92	49.40	85.64	685.12
7	Nasik	896.80	346.66	92.94	439.60	49.02	81.05	648.40
8	Dhule	446.81	167.19	51.46	218.66	48.94	40.75	326.00
9	Nandurbar	286.09	134.56	28.79	163.35	57.10	2.75	22.00
10	Jalgaon	852.30	437.56	47.90	485.46	56.96	9.36	74.88
11	Ahmednagar	1,175.90	654.92	157.31	812.23	69.07	NIL	-
	Nasik Dn.	3,657.90	1,740.90	378.40	2,119.30	57.94	133.91	1,071.28
12	Pune	981.50	719.04	65.34	784.38	79.92	NIL	-
13	Satara	584.60	419.63	72.01	491.64	84.10	NIL	-
14	Sangli	592.80	599.29	43.99	643.29	108.52	NIL	-
15	Solapur	1,085.80	650.60	87.28	737.87	67.96	NIL	-
16	Kolhapur	418.30	950.44	32.40	982.83	234.96	NIL	-
	Pune Dn.	3,663.00	3,338.99	301.02	3,640.01	99.37	0.00	-
	Rest of Mah.	8,199.30	5,458.62	734.61	6,193.23	75.53	219.54	1,756.40
	Rest of Mah Ex. BM	8,199.30	5,458.62	734.61	6,193.23	75.53	219.54	1,756.40
17	Aurangabad	702.00	224.55	89.46	314.01	44.73	93.55	748.40
18	Jalana	609.20	157.71	69.52	227.23	37.30	126.46	1,011.68
19	Parbhani	502.60	325.00	7.72	332.72	66.20	NIL	-
20	Hingoli	347.30	98.13	5.05	103.18	29.71	98.45	787.60
21	Beed	828.60	307.91	87.01	394.92	47.66	86.14	689.12
22	Nanded	728.30	370.26	24.16	394.42	54.16	28.41	227.28
23	Osmanabad	536.10	192.33	77.42	269.74	50.32	41.50	332.00
24	Latur	501.80	183.33	55.62	238.95	47.62	52.38	419.04
	Marathwada Dn.	4,755.90	1,859.22	415.95	2,275.17	47.84	526.89	4,215.12
25	Buldhana	701.50	145.98	25.77	171.75	24.48	235.52	1,884.16
26	Akola	435.00	93.16	8.96	102.12	23.47	150.43	1,203.44
27	Washim	392.10	70.42	18.77	89.19	22.75	138.46	1,107.68
28	Amravati	751.10	156.97	25.21	182.18	24.26	253.88	2,031.04
29	Yavatmal	857.90	276.75	30.80	307.55	35.85	190.52	1,524.16
	Amravati Dn.	3,137.60	743.28	109.51	852.79	27.18	968.81	7,750.48
30	Wardha	381.00	150.00	11.72	161.72	42.45	59.48	475.84
31	Nagpur	554.00	233.38	37.04	270.42	48.81	51.22	409.76
32	Bhandara	180.49	194.58	34.41	228.99	126.87	NIL	-
33	Gondia	190.81	163.10	34.50	197.60	103.56	NIL	-
34	Chandrapur	474.40	133.11	75.46	208.57	43.97	66.85	534.80
35	Gadchiroli	188.50	63.47	34.32	97.79	51.88	11.65	93.20
	Nagpur Dn.	1,969.20	937.64	227.44	1,165.08	59.17	189.20	1,513.60
	Vidarbha	5,106.80	1,680.92	336.96	2,017.87	39.51	1,158.01	9,264.08
	Maharashtra State	18,062.00	8,998.75	1,487.52	10,486.27	58.06	1,904.45	15,235.60

Irrigation Backlog = (58.06 - % of irrigation potential created w.r.t.Net sown area) x net sown area / 100

- Rs. 80,000 is cost per ha of balance potential to be developed, expressed in Rabi Equivalent which is provisional. This is likely to change after this got worked out as per current schedule of rates by WRD from concerned Irrigation Development Corporation

* - This information (Col 1- 8) is received from WRD Mumbai's letter No. PLN-2011(91/2011)P&M-1 dated 25/06/2011

