

Before the



महाराष्ट्र जलसंपत्ती नियमन प्राधिकरण
Maharashtra Water Resources Regulatory Authority
(MWRRA)

9th Floor, Centre - 1 World Trade Centre, Cuffe Parade, Mumbai - 400005. Tel.2215 2019 Fax 2215 3765 Email: mwrwa@mwrwa.org

Case No. 1 of 2013

**In the matter of PIL No. 60 of 2013 filed by Mohol Taluka Bahu-Udeshiya
Shetkari Sangh in the Hon'ble High Court of Judicature of Bombay for
releasing water into Ujjani Dam from upstream dams**

The Chairman,
Mohol Taluka Bahu-Udeshiya Shetkari Sangh,
Mohol, Taluka - Mohol, Dist. Solapur,
Through their Advocate
Shri Mahadeo A. Chaudhari,
3A/003, Shraddha Co-op Hsg. Society,
'MHADA' Colony, Chandivali, Powai,
Mumbai - 400072.Petitioner

Versus

The Principal Secretary (WRM & CAD),
Water Resources Department,
Madam Kama Marg, Hutatma Rajguru Chowk,
Mantralaya, Mumbai - 400032.....Respondent

Shri Mahadeo A. Choudhari, Advovate for Petitioner

Shri Nitin Deshpande, Assistant Govt. Pleader for Respondent

Smt. Malini Shankar, Principal Secretary (CAD), Water Resources
Department, Mantralaya, Mumbai for Respondent

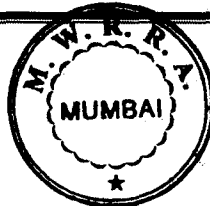
Shri C.A. Birajdar, Chief Engineer (SP), MKVDC, Water Resources
Department, Pune for Respondent.

Shri Avinash Surve, Chief Engineer (I), MKVDC, Water Resources
Department, Pune for Respondent.

Shri Rajendrakumar Jadhav, Deputy Collector for Collector, Pune

Shri Amrut Natekar, Deputy Collector for Collector, Solapur

Shri Rohidas Gadade, Chairman, Bhama-Askhed PAP Action Committee



CORAM: RAVI B. BUDHIRAJA, CHAIRMAN &
CHITKALA ZUTSHI, MEMBER (ECONOMY),

DATE: 24th MAY 2013

ORDER

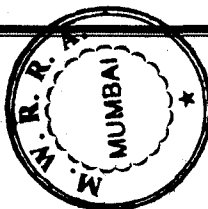
The Hon'ble High Court of Judicature, Mumbai in its order dated the 24th April 2013 directed the Maharashtra Water Resources Regulatory Authority (MWRRA) in the matter of PIL No. 60 of 2013 filed by the Mohol Taluka Bahu-Udeshiya Shetkari Sangh for releasing water into the Ujjani Dam from upstream dams as under:

"Having heard the learned counsel for the parties and having regard to the fact that the Maharashtra Water Resources Regulatory Authority is now functional, we direct that if the Petitioner or any other persons make representation to the Maharashtra Water Resources Regulatory Authority regarding supply of water in Solapur District, within three weeks from today, the Maharashtra Water Resources Regulatory Authority shall consider such representations as expeditiously as possible and preferably within two weeks from the date of receipt of such representations. All those who desire to intervene and submit representations to the Water Resources Authority in the matter of representation of the petitioner for supply of water to Mohol Taluka shall also be considered."

2.0 Accordingly the MWRRA issued notices in local newspapers, that is the Lokmat & Sakal (Pune, Solapur & Ahmednagar) and The Times of India (Pune) on the 3rd May 2013 calling representations upto the 14th May 2013.

3.0 The hearing in the above matter was kept on the 17th May 2013 at 12.00 hrs. in the office of the MWRRA at Mumbai.

On 8/3/2013 the Petitioner filed a copy of PIL No. 60 of 2013 and requested vide his letter dated 30/4/2013 that the said PIL be treated as a representation before the MWRRA for decision.



4.0 The proceedings of the said hearing in detail are recorded as under:

4.1 The advocate for the petitioner pleaded his case under Section 12 (6) (c) of the Maharashtra Water Resources Regulatory Authority Act, 2005 ("MWRRA Act"). The petitioner's prayer is in the interest of the people of Mohol taluka and are as follows:-

- i) The upstream areas of the Ujjani dam have ample water, while a lot of land in Mohol area faces acute water shortage. People from the area are migrating and animals are dying due to starvation. The petitioner's submission is to apply Section 12 (6) (c) and give justice to the people of the Mohol Taluka. According to the petitioner there is a lack of management and planning in the distribution of water in the Bhima river sub-basin and therefore the High Court, Mumbai had directed the authorities to release water into Ujjani from upstream dams. The Water Resources Department (WRD) directed their field Chief Engineers to release water into the Ujjani dam. Because of lack of water speed and inadequate load shedding, there was unauthorized lifting of water from the river and the quantity of water that reached Ujjani was negligible.
- ii) Figures in the affidavit filed in the Hon'ble High Court on behalf of Govt. attest that sufficient reservations were made for drinking water, agriculture and industry in the upstream area to last until the 15 July 2013. The petitioner stated that his prayer is for releasing water for drinking as also for irrigation.
- iii) The principle of supplying water is laid down in the MWRRA Act [Sec 12 (7)] from tail-to-head. However, in reality it is supplied from head-to-tail. Consequently the overuse of water for irrigation results in waterlogging and lands become unfit for cultivation in the upper reaches. In the Mohol area, people are forced to migrate due to shortage of water. This area has had no rains since July 2012 resulting in intense suffering in the area.



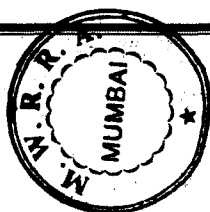
iv) The Petitioners' advocate brought to the Authority's notice that Shri Ahuja [Member of the Committee on River Valleys of the Bureau of Indian Standards] had intervened during the proceedings of the Hon'ble High Court, Mumbai, on 24/4/2013, and pleaded that it is physically and technically possible to release water from upstream dams to Ujjani dam.

4.1.1 However, Mr. Ahuja did not appear or make any representation in the current proceedings before the MWRRA.

4.2 Shri Rajendrakumar Jadhav, Deputy Collector representing the Collector, Pune, stated that he had submitted a written submission on behalf of the Collector-Pune, copies of which were made available to the parties. Para (5) of his submission was read out. The order for the release water for the Ujjani dam from upstream dams was given by the Water Resources Department in pursuance of the Hon'ble High Court Order dated 9/4/2013. This water was released from 2 storages that is Bhama-Askhed and Andhra. So far 2.5 TMC of water has been released out of which 0.5 TMC has reached Ujjani.

Instructions were issued on 11/4/2013 by the Collector, Pune, to MAHADISCOM to arrange for load shedding along the Bhima River. Accordingly, the Executive Engineer, MAHADISCOM, Rajgurunagar Division and Mulshi Division, Pune have reported on 21/5/2013 to the Collector, Pune about the action taken on load shedding .

4.3 Shri Amrut Natekar, Deputy Collector representing the Collector, Solapur, stated that out of 2.889 TMC water released, 0.3 TMC could reach Ujjani as on 15/5/2013. The Collector, Solapur has reported, vide his letter dated 20/5/2013 that sufficient drinking water supply to all places in Mohol taluka has been made through tankers and other means and there is not a single case of migration because of any shortage of water.



- 4.4 Shri C.A. Birajdar, Chief Engineer (SP) Pune for Respondent (WRD, Govt. of Maharashtra) explained the planning for 2012-13 for Ujjani dam as under :

Designed live storage of Ujjani dam = 53.58 TMC

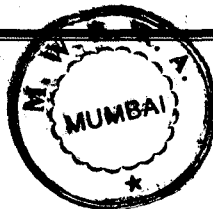
Designed dead storage of Ujjani dam = 63.66 TMC.

- i) Kharif season of 2012-13 : The reservoir water level (RWL) of Ujjani did not rise till 23/7/2012 due to paucity of rains in the catchment of Ujjani. After 24/7/2012, the RWL of Ujjani gradually started rising. The storage attained in Ujjani was as follows :

No.	Date	RWL (m)	Gross storage (TMC) (Dead + Live)
1	1/7/2012	487.847	44.39
2	23/7/2012	487.64	43.41
3	17/8/2012	490.442	59.67

- ii) The details of the quantum of water released from Ujjani during Kharif from the 18 Aug. 2012 onwards are as follows -

No	Source	Period	Sanctioned quantum (TMC)	Actual quantum released (TMC)	Remark
1	Bhima River	18/8/12 to 3/9/12	4.00	4.68	Collector, Solapur's directive dated 23/8/12
2	Bhima - Sina link canal	26/6/12 to 11/9/12	1.00	1.00	Divisional Commissioner, Pune's order dated 24/8/12
3	Canal	14/9/12 to 6/10/12	6.00	5.17	As per decision of the meeting dated 12/9/12 under the Chairmanship of Hon'ble Minister (MKVDC)
4	Sina-Madha LIS	17/9/12 to 31/10/12	0.50	0.40	As per the directives of the Hon'ble Minister (MKVDC)
5	Bhima-Sina tunnel	2/10/12 to 14/10/12	0.10	0.10	Govt. directive dated 1/10/2012
Total				11.35	



- iii) **Rabi & Hot weather season of 2012-13:** The total water storage in Ujjani reservoir on 15/10/2012 was 72.37 TMC of which live storage was 8.71 TMC and its percentage was $(8.71 \div 53.58 =) 16.26$.

The Collector, Solapur, reserved 24 TMC of Ujjani water to cater to the drinking water needs of those dependent on the Bhima river, by his order dated 9/11/2012. He also reserved 4 TMC of water to cater to the drinking water needs (upto 15/7/2013) of those dependent on the Sina river.

- iv) The actual water use from the Ujjani reservoir during the period 15/10/2012 to 13/5/2013 is as per the following table :-

No.	Details	Water use (TMC)
1	Evaporation from the storage	6.50
2	Drinking water schemes on reservoir	0.82
3	Industrial Water Schemes on reservoir	0.28
4	Lift Irrigation from reservoir	7.84
5	Sina-Madha LIS (15/10/12 to 6/11/12)	0.33
6	Bhima river (21/11/12 to 26/11/12) (for the religious event of <i>Kartiki Ekadashi</i>)	0.84
7	Bhima river- for drinking (3/1/13 to 18/1/13)	4.46
8	Sina river- for drinking (3/1/13 to 27/1/13)	1.04
9	Bhima river- for drinking (8/3/13 to 19/3/13)	4.48
10	Bhima river- for drinking (release started on 8/5/13)	1.94
Total		28.53

The RWL of Ujjani is 487.282 m as on 13/5/13. Available total storage is 41.66 TMC (dead storage) and live storage is - 22.00 TMC.

- v) The projected water use of Ujjani reservoir till July 2013 is as follows-

No.	Details	Water Use (TMC)
1	Evaporation of reservoir	3.08
2	Non-irrigation use from reservoir	0.42
3	Lift Irrigation from reservoir	4.66
4	Bhim river - for drinking (beyond 10/5/13) (presently flow is going on)	3.06
5	Bhima river - for drinking (for the religious event of <i>Aashadhi Ekadashi</i> till July 2013)	5.00
Total		16.22



It was clear that drinking water demand of 16.22 TMC can be met from the available dead storage without difficulty.

vi) **About releasing water from Ujjani Left Bank Canal & Ujjani Right Bank Canal:** The RWL in the Ujjani reservoir as on 13/5/13 is 487.282 m. The canal sill level is 487.200 m. It means water is 0.082 m above the canal sill. Effective discharge for canal irrigation is therefore not possible into the canal as on 13/5/13.

vii) As per the Hon'ble High Court order of 9/4/2013, water is being released from Bhama-Askhed & Andhra dams in Pune district from 10/4/2013. It is planned to release 4 TMC water from these dams in Pune district as per the order of the Hon'ble High Court. During 10/4/13 to 13/5/13 a total of 2.736 TMC of water has been let out.

4.5 Shri Avinash Surve, Chief Engineer (I), Pune, for Respondent (WRD, GOM) submitted the storage position of dams upstream of Ujjani and its planning upto 15/7/2013 (Annexure I to this order). He stated that -

- (i) There has not been integrated planning for the Bhima sub-basin but planning has been done at the project level. Water available in the Kukadi-cum-Ghod system is sufficient for drinking water needs only.
- (ii) The Khadakwasla system (comprising 4 storages - Panshet, Warasgon, Khadakwasla and Temghar) is exclusively catering to the Pune city's drinking water needs which are on an average 1.25 TMC per month.
- (iii) The Pawana storage caters to the drinking water needs of The Pimpri-Chinchwad Municipal Corporation (PCMC) complex in addition to fulfilling local irrigation needs. Pawana has no canals but 40 km downstream, it feeds Ravet Bandhara from where the PCMC lifts water. Pawana commitment is upto 15/07/2013 as under:-



Drinking water	-	1.93 TMC
Evaporation in canals	-	0.18 TMC
Industrial commitment	-	0.33 TMC
Backwater Irrigation lifts	-	0.61 TMC

Total	-	3.05 TMC

Balance water after 15/7/2013 - NIL

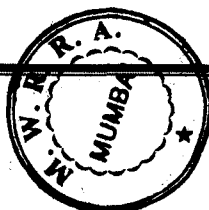
The Khadakwasla system commitments are as follows:-

Drinking water	-	2.53 TMC
Evaporation in canals	-	0.35 TMC
Irrigation commitment	-	1.04 TMC
Industrial Commitment	-	0.20 TMC

Total	-	4.12 TMC

Balance water after 15/7/2013 - NIL

- (iv) The 4 Tata dams are not for drinking water supply. Tata's Mulshi dam releases 1.2 TMC water into the Mula River.
- (v) Present water available in Chaskaman, Kalmodi, Vadiwale & Kasarsai dams is required for catering to local drinking water needs. Hence no surplus water is available after 15/7/2013.
- (vi) Surplus water available from Bhama-Askhed and Andhra only could be released for supplementing Ujjani. There are 24 KT weirs downstream of Bhama-Askhed with total impoundment of 1.64 TMC. Bhama-Askhed storage is completed but canals are incomplete. Total water so far let out is 3 TMC. However, upto 3/5/2013 Ujjani dam received 0.504 TMC of water and 1 TMC more could be let out. This will take about 15 days.
- (vii) Presently the dead storage available in Ujjani reservoir is adequate to meet the drinking water needs of Solapur city as planned by the Collector, Solapur.



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4.6 Smt. Malini Shankar, Principal Secretary (Water Resources Mangement & Command Area Developement) for Respondent WRD,GOM, stated that as hardly 25% of water released as per the Hon'ble High Court order from Bhama-Askhed and Andhra dams had reached Ujjani, it will be of little use to release water further. The Maharashtra Water Resources Regulatory Authority (Allocation & Monitoring of Entitlements, Disputes and Appeals and Other Matters) Rules, 2013 (here-in-after referred to as the Rules) have now been notified. R 11 (2) (ii) can be invoked only if such releases are technically and practically feasible.

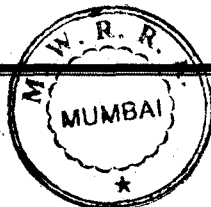
She brought to the notice of the Authority that the Hon'ble High Court has made clear in its order dt. 24/4/2013 that MWRRRA shall pass appropriate orders. The facts and circumstances of the case alone will matter.

4.7 Shri Rohidas Gadade, Chairman, Bhama-Askhed PAP Action Committee described that the consequences of releasing 3 TMC of water from Bhama- Askhed. The river has become dry. No water is left in the river for drinking or for cattle. There is no water in the river upstream of Bhama-Askhed. These villages are being fed water by tankers. The fodder crops of farmers have been ruined due to lack of water in the area. Moreover, the present release of water is of little use to those for whom it is meant, and should be stopped.

He has tendered a written submission, copies of which were supplied to the parties.

4.8 Advocate Nitin Deshpande, stated that 11 (2) (ii) of Rule can be applied. The facts and figures given by both the Chief Engineers on behalf of the Government show that releasing further water is of no use for Ujjani dam.

He suggested that Section 11 (c) of the Act should be applied to the present case.



4.9 In his reply the Advocate Mahadeo A. Choudhari for the petitioner stated that since July 2012, the petitioner's area is without water. After letting out water from Bhama-Askhed and Andhra, about 280 km distance is required to be covered by the water before it reaches to Ujjani. This entails considerable loss on the way by evaporation as well as through thefts by those who are not entitled. Presently 58 TMC total storage is available in Ujjani. K.T. weir gates on the way are deliberately kept in position to impound released water. No load shedding is practiced. All other canals in Pune area are running full. An alternative of supplying drinking water to Solapur, not from Ujjani, but from the Neera System could have been thought of by Govt. It would have saved losses to a great extent and would have reduced the burden on Ujjani considerably.

He pleaded to take cognizance of the contention of the Petitioner to at least prevent the calamity from recurring in future years. A careful decision consisting of appropriate steps taken well in time will save the hardships of people in water scarce areas like Mohol during scarcity periods.

4.10 Advocate Nitin Deshpande, AGP, thereafter pointed out that the petitioner's prayer is restricted to Ujjani only, not for Neera System as now proposed by his Advocate. Section 12 (6) (c) & also Section 11 (c) in conjunction with 31 A are involved.

5.0 In the light of the above we are of the view that the following aspects need consideration:

5.1 In the present matter, the prayer of the petitioner has been made under Section 11 (c) of the MWRRRA Act as stated by him in para 11 of his petition and under Section 12 (6) (c) of the MWRRRA Act as stated in para 21 (b) of the petition.

Sections 11(c) and 12 (6)(c) of the MWRRRA Act read as follows:-



Section 11(c):

"11. The Authority shall exercise the following powers and perform the following functions, namely:-

....

(c) To determine the priority of equitable distribution of water available at the water resources project, sub-basin and river basin levels during periods of scarcity;

Section 12(6) (c):

"(6) The Authority shall fix the Quota at basin level, sub-basin level or project level on the basis of the following principles:-

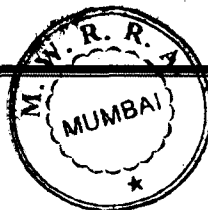
(c): In order to share the distress in the river basin of sub-basin equitably, the water stored in the reservoirs in the basin or sub-basin, as the case may be, shall be controlled by the end of October every year in such way that, the percentage of utilizable water, including kharif use, shall, for all reservoirs approximately be the same;

The term Entitlement has been defined under Section 2(i) of the Act as follows:

(i) Entitlement means any authorization by any River Basin Agency to use the water for the purposes of this Act

Section 12(6) of the Act states that the Authority shall fix the quota at the project level, sub basin level on the basis of certain principles of which 12 (6) (c) is one. Quota has been defined under Section 2 (i) (s) as the volumetric quantity of water made available to an entitlement holder

However, the MWRRA Act of 2005, was amended in 2011. The new the Section 31A was added, effecting the irrigation Entitlements. The Sec. 31A reads as follows:-



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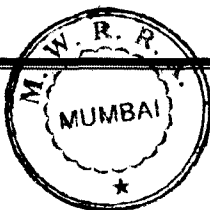
31A: *Notwithstanding anything contained in this Act or any other law for the time being in force, the term "Entitlement" shall apply only to such areas where compliance of all relevant provisions including delineation under the Maharashtra Management of Irrigation Systems by Farmers Act, 2005 is made.*

- 5.2 Sec. 12(6)(c) which may apply only for the equalization of reservoirs for irrigation Entitlements, is not applicable in the present case to the Ujjani Project as this project has not been delineated by the Govt. under Sections 5 & 6 of the Maharashtra Management of Irrigation Systems by Farmers Act, 2005.

Since the live storage at the Ujjani reservoir on 15/10/2012 was 16.28 % which is less than 33%, this case falls under the definition of scarcity as per Rule 2 and attracts provision under Section 11 (c). Hence, the Authority has direct jurisdiction in the present case.

- 5.3 The Collector, Solapur has reserved about 24 TMC from the dead storage of Ujjani dam for drinking water purposes, vide his order dated 9/11/2012. The dead storage available by the end of October 2012 was 63.66 TMC. According to the planning of the Ujjani Project authorities the available dead storage, which can be released through river sluices into the downstream river for drinking water utilization, is sufficient to meet the requirement of drinking water for the population of Solapur district dependent on the Project. The Collector's order of 9/11/2012 is based on this assessment.

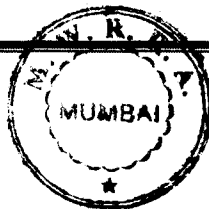
As regards the alleged migration of people from Mohol Taluka for want of water, the Collector, Solapur has categorically reported to this Authority in writing that there is not a single case of migration because of any shortage of water, vide letter dated 20/5/2013. In addition, the Solapur Collector has made sufficient arrangement of



tankers for the affected villages and not a single village is without drinking water.

5.4 As regards the release of 3 TMC of water from Bhama-Askhed, and 1 TMC water from Andhra as per the Hon'ble High Court order dated 9/4/2013, the project authorities and the Principal Secretary (Water Resources Management & Command Area Development), WRD, GoM has submitted before this authority that less than 0.5 TMC out of 2.7 TMC has reached the Ujjani backwater point. Transmission losses on the way are about 70 %. Considering that 41.66 TMC of water is available in the dead storage of Ujjani as on 13/5/13, the requirement of drinking water upto 15/7/13 of Solapur city and of the *Aashadhi Ekadashi* event, about 16.22 TMC, can be met without difficulty. The PAPs of the Bhama-Askhed Project have represented before the Authority, vide a letter dated 17/5/2013 signed by their chairman, that the release of water from Bhama-Askhed has caused a shortage of water for the people and the cattle in the villages around the Bhama-Askhed submergence area. In view of this, it might cause further distress to them if the release of water from Bhama-Askhed and Andhra storages continues further. In view of the arrangements made by the Collector, Solapur, heavy transmission losses and distress to PAPs, it would not be worthwhile or desirable to continue further release of water from Bhama-Askhed and Andhra.

5.5 It was also argued that as per the principle of 'tail to head', the storage in downstream projects be ensured prior to the storage being filled in the upstream projects. However, we are of the view that "tail to head" principle applies to irrigation within the command area of each project, which is a totally controlled distribution system for supply of irrigation water and not dependent on nature. However this can not be applied for filling reservoir in basin or sub-basin because of variable hydrologic and geographical conditions depending on nature which may



sometime for a large catchment lead to filling of lower reservoir, earlier than upstream ones. This has been experienced in Bhima sub-basin and some other sub-basins of the State. Thus, we are unable to accept this contention.

- 5.6 The petitioner has represented to the Authority during the course of the hearing that the drinking water requirements of Solapur could be met partly from the Neera system. The water from this system would flow by gravity. This Authority feels that the Government should consider this particular proposal of the petitioner in future in order to share the distress during a scarcity period and meet the drinking water requirement in the basin, vide para 2.8 of the State Water Policy. The Government should carefully study this aspect and intimate this authority within a period of three months from the date of this order as to what action they propose to take in the matter.
- 5.7 This Authority feels that proper integrated planning, vide para 2.1.1 of the State Water Policy needs to be done at the appropriate time as required under the MWRRA Act. The Government may ensure that this situation will not recur in future.
- 5.8 Accordingly in view of the above analysis, the following directions are given.
- (a) Presently the dead storage available in Ujjani reservoir is adequate to meet only the drinking water needs of Solapur city as stated by Shri Birajdar, Chief Engineer vide para 4.4 above. The dead storage of 41.66 TMC in Ujjani on 13/5/2013 is more than sufficient to meet the drinking water requirements upto 15/7/2013. The Collector, Solapur, vide his letter of dated 20/5/2013, as mentioned in para 4.3, informed that there has not been any case of migration, due to drinking water shortage, from Mohol Taluka.

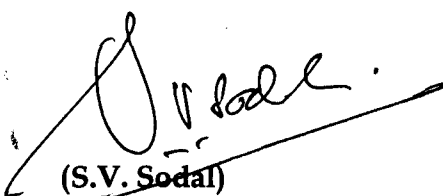


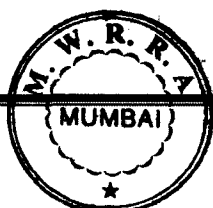
- (b) Looking to the availability of water on 13/5/2013 in the upstream dams and Ujjani dam as per chart appended to this order, it is seen that there is no balance water available in upstream dams, except for Bhama-Askhed and Andhra. Releases from Bham-Askhed and Andhra will, in any case, not be sufficient to meet the requirements of agriculture in scarcity conditions under Ujjani. Further the sill level of the canal is only 8 cm below the Ujjani reservoir level as on 13/5/2013. Effective discharge for canal irrigation will therefore not be possible in the present circumstances.
- (c) Further releases from Bhama-Askhed and Andhra storages be stopped as such releases will not prove to be useful considering huge transmission losses and avoidable distress to persons living upstream of Bhama-Askhed, as discussed in para 5.4.
- (d) Government may review the storage position in all water resources projects as on 15 October and inform the Authority by 31 October 2013 about the situation, the likely distressed areas and the steps proposed to be initiated to meet the same.

With these findings and observations, the Petition stands disposed of.

Sd/-
(Chitkala Zutshi)
Member (Economy)

Sd/-
(Ravi B. Budhiraja)
Chairman


(S.V. Sodal)
Secretary



Annexure I

महाराष्ट्र जलसंपत्ती नियमन
प्राधिकरण,
आयुक्त क्रमांक ५०६
दिनांक : १४.०१.२०१३

महाराष्ट्र कृष्ण खोरे विकास महामंडळ, पुणे
मुख्य अभियंता (जसं) जलसंपदा विभाग, पुणे.
सिचनभवन, मंगळवार पेठ, बारणे रोड, पुणे-४११०११.

जा.क्र.मुअ/काअ-२/सिचन/प्रशा-८/३७२०

दिनांक : १३.५.२०१३

प्रति,

मा.प्रधान सचिव(जसंव्य व लाक्षेवि)
जलसंपदा विभाग, मंत्रालय,
मुंबई ४०० ०३२

विषय : = PIL No.60 of 2013 by Mohol Taluka Bahu Uddeshiya Shetkari Sangh in
the Hon"ble High Court of Judicature of Bombay in the matter of
releasing water into Ujjani Dam from upstream dams.

संदर्भ : १) महाराष्ट्र जलसंपत्ती नियम प्राधिकरण यांचे इंग्रजी पत्र क्रमांक MWRRA/Petition/
(60/2013)/257 dated 30th April 2013

२) महाराष्ट्र कृष्णा खोरे विकास महामंडळ, पुणे यांचे पृष्ठांकन क्रमांक मकृखोविमं/
2613/(561/13)प्रशा.1/3572 दिनांक 9 मे 2013

संदर्भिय पत्र क्रमांक 1 अन्वये महाराष्ट्र जलसंपत्ती नियमक प्राधिकरण मुंबई यांनी
उजनी धरणाच्या वरील बाजूस असलेल्या धरणांमधील उपयुक्त पाणीसाठे, अचल पाणीसाठे, एकूण
पाणीसाठे, या धरणांमधील पाण्यावर अवलंबून असलेली लोकसंख्या तसेच पाण्याचा नियोजित वापर
व दिनांक 15.7.2013 रोजी शिल्लक असणारा साठा याबाबत माहिती मागविलेली आहे. उपरोक्त
माहिती तक्त्याच्या स्वरूपात या पत्रासोबत सादर करण्यांत येत आहे.

माहितीसाठी सविनय सादर.

मुख्य अभियंता
जलसंपदा विभाग, पुणे

प्रत : मा. सचिव, महाराष्ट्र जलसंपत्ती नियमक प्राधिकरण मुंबई यांना माहितीसाठी सविनय सादर.

प्रत मा.कार्यकारी संचालक, महाराष्ट्र कृष्णा खोरे विकास महामंडळ, पुणे यांना माहितीसाठी सविनय
सादर.



मुख्य अभियंत, जलसंपदा विभाग, पुणे

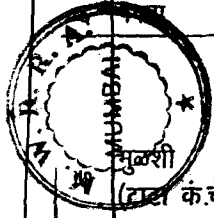
प्रपत्र अ

उजनी धरणाच्या वरील बाजूस असलेल्या धरणांमधील दि.१३/०५/२०१३ रोजी उपलब्ध पाणीसाठ्याचे नियोजन

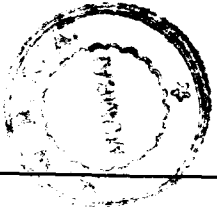
पाणी साठा TMC

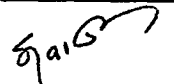
नियोजन दि. १५/७/२०१३ पर्यंत

क्र.	प्रकल्पाचे नाव	प्रकल्पीय उपयुक्त साठा	१३/०५/२०१३ चा उपयुक्त साठा			नियोजन दि. १५/७/२०१३ पर्यंत					उजनी पश्च जल (back water) पर्यंतचे अंतर कि.मी.	उजनी धरणात सोडता येण्यासारखे पाणी	उजनी धरणात पोहचू शकणारे पाणी	शेरा	
			अघफू	अघफू	टक्केवारी	पिण्यासाठी अघफू	बाष्पीभवन व इतर व्यय अघफू	औद्योगिक व इतर अघफू	उन्हाळा हंगाम १२-१३ च शेतीसाठी नियोजन अघफू	पिण्यासाठी अवलंबून असणारी लोकसंख्या लक्ष					शिल्लक पाणी साठा अघफू
१	२	३	५	७	८	९	१२		१३	१४	१५	१६			
१	भामा आसखेड	७.६७	१.६४	२१.३९	०.०३९	०.२१३	०	०.६८२	१.३६	०.७०६	२०४	०.७०६	०.३५३		
२	टेमघर	३.७१	०.१०	२.७४	२.५३	०.३५	०.२०	१.०४	४५	०.०००	१७६	०	०		
३	वरसागांव	१२.८२	१.२३	९.५९											
४	पानशेत	१०.६५	१.५३	१४.४०											
५	खडकवासला	१.९७	१.२६	६३.६०											
	एकूण खडकवासला संयुक्त	२९.१५	४.१२	१४.९३	२.५३	०.३५	०.२	१.०४	४५	०.०००	१७६	०	०		
		८.५१	३.०५	३५.८१	१.९३	०.१८	०.३३	०.६१	२०	०.०००	२३४	०	०		
	मुळशी (टाटा कंपनीचे धरण)														मुळशी धरण हे टाटा कंपनीचे अखत्यारीत आहे. त्याचा प्रकल्पीय साठा १८.४७ टीएमसी असून आज रोजी ४.८१ टीएमसी साठा उपलब्ध आहे. त्याच्यापैकी १.२० टीएमसी पाणी धरणाच्या खालील बाजूस असलेल्या शेतीसाठी दिले जाते.
		१.२	०.३	२५.००	०.०४६	०.०६	०	०.१	०.५८	०.०९४					
८	चासकमान व कलमोडी	९.०८	१.०१	११.०९	०.३१	०.०९	०	०.६१	२	०.००	२०६	०	०		
१०	आंध्रा	२.९४२	१.१८६	४०.३०	०.०१९	०.०९	०.०२८	०.३४०	०.४२	०.७०९	२२७	०.७०९	०.३५		
११	वडीवळे	१.४२६	०.५००	४६.५९	०.०५४	०.०४	०.०९७	०.१८७	०.६२	०.१२	२६०	०	०		
१२	कासारसाई	०.५७	०.१२७	२२.४८	०.००६	०.०३	०	०.०९४	०.४०	०.००	२५०	०	०		
	एकूण (१२ प्रकल्प)	५९.३५	११.६३	१९.६०	४.८९	०.९९	०.६६	३.५६	६९.८०	१.५३		१.४२	०.७१		



क्र.	प्रकल्पाचे नाव	प्रकल्पीय उपयुक्त साठा		१३/०५/२०१३ चा उपयुक्त साठा		नियोजन दि. १५/७/२०१३ पर्यंत					उजनी पश्च जल (back water) पर्यंतचे अंतर कि.मी.	उजनी धरणात सोडता येण्यासारखे पाणी	उजनी धरणात पोहचू शकणारे पाणी	शेरा	
						पिण्यासाठी	बाष्पीभवन व इतर व्यय	औद्योगिक व इतर	उन्हाळा हंगाम १२-१३ च शेतीसाठी नियोजन	पिण्यासाठी अवलंबून असणारी लोकसंख्या लक्ष					शिल्लक पाणी साठा
१	२	३	५		७	८	९	१२		१३	१४	१५	१६		
१३	पिपळगांव जोगे	३.८९	०.००	०.००	०	०	०	०	०	०	२१९	०	०	कुकडी प्रकल्पातील सर्व पाणीसाठी पिण्यासाठी आरक्षित असून उजनी प्रकल्पात सोडण्यासाठी पाणी उपलब्ध नाही.	
१४	माणिकडोह	१०.१७४	०.२०९	२.०५	०.१७८	०.०३१	०	०	०.७३	०.०००	२३२	०	०		
१५	येडगांव	२.८०	०.२३४	८.३५	०.१९	०.०३५	०.००५	०	१.२२	०.०००	१९७	०	०		
१६	वडज	१.१६९	०.११०	९.४२	०.०९३	०.०१७	०	०	०.४२	०.०००	२१३	०	०		
१७	डिंभे	१२.४८३	०.४६९	३.७५	०.३९९	०.०७	०	०	१.५	०.०००	२२३	०	०		
१८	घोड	५.४७	०.००	०.००	०	०	०	०	०	०	१०१	०	०		
१९	चिल्हेवाडी	०.८८	०.०८८	१०	०.०८	०.०१३	०	०	०	०.०००	-	०	०		
	एकूण (७ प्रकल्प)	३६.८६६	१.११	३.०१	०.९३९	०.१६६	०.००५	०	३.८७	०		०	०		
१९	एकूण एकदर	९६.२१	१२.७४	१३.२४	५.८३	१.१६	०.६६	३.५६	७३.६७	१.५३		१.४२	०.७१		




 अविनाश सुर्वे
 मुख्य अभियंता
 जलसंपदा विभाग पुणे
 १०४
 ३३/७/१३