

**JOINT COMMITTEE REPORT AS PER**  
**ORDER DT-19.08.2020**

**in**

**Original Application no. 12/2020 (W7)**

Before the Hon'ble National Green Tribunal  
Principal Bench

Original Application no. 12/2020 (WZ)

Subhash Gadekar

v/s

State of Maharashtra and others

Index

Sr.no.	Particulars of Documents	Page no.
1.	Committee Report	1 To 4
2.	Well Water analysis	5 To 9
3.	Report of Agricultural Department	10 To 12
	Last Page	12

**Joint / Spot Inspection Report in compliance of Order passed by Hon'ble NGT on 19.08.2020 w.r.t. O.A. No. 12/2020 (WZ) filed by Subhash Gadekar V/s State of Maharashtra & others.**

Shri. Subhash Gadekar & Anr. Applicant (s) has filed O.A. No. 12 of 2020 before Hon'ble National Green Tribunal, WZ, Pune. The Applicants are owners and local farmers / possessors of the agricultural land at Gat No. 310, Adgaon (Khurd) Taluka and District Aurangabad and the Applicants (Petitioner) carry out their agricultural business over this land.

The Applicant (Petitioner) has contended that the Respondent No. 5 i.e. Bio composting Plant of distillery industry is located approximately 600 meters from the land of these petitioners / local farmers. The industry is not having proper management and provision of scientific treatment of its effluents and the same is percolating into the land / field and traces are found in the well water of these petitioners, thereby polluting the water quality, (affect the yield) as well as surrounding of the agricultural land and due to which these petitioners are sustaining monetary loss as well as deprived of pure drinking water as well as for irrigation purpose.

The Hon'ble NGT (WZ) has passed an Order dated 19.08.2020 & directed to constitute a Committee consisting of the following members:

- |       |  |                                   |
|-------|--|-----------------------------------|
| (i)   | District Collector, Aurangabad                   | Chairman                          |
| (ii)  | Chief Medical Officer, Aurangabad                | Member                            |
| (iii) | Regional Officer, M. P. C. Board, Aurangabad     | Member                            |
| (iv)  | Sub Regional Officer, M. P. C. Board, Aurangabad | Member Conveyor<br>(Nodal Agency) |

In compliance of the order of Hon'ble NGT the M. P. C. Board has constituted the committee vide (Office order) letter dated 22.09.2020. Further / Meanwhile Hon'ble District Collector, Aurangabad has instructed to include concern District Agricultural Officer, Aurangabad and Senior Geologist, Ground Water Survey and Development Agency, Aurangabad shall also be remain present during the site / spot inspection alongwith the relevant information and their opinion during the visit at Gat No. 310, Adgaon (Khurd), Tal. & Dist. Aurangabad which is scheduled on **06.11.2020**.

During the spot / site inspection following Committee members / officers and representatives of concerned industry and Petitioner / local farmers were present :-

- |    |   |                                   |
|----|---|-----------------------------------|
| a) | District Collector, Aurangabad                        | Chairman                          |
| b) | Chief Medical Officer, Zilla Parishad, Aurangabad     | Member                            |
| c) | District Superdeting Agricultural Officer, Aurangabad | Invitee member                    |
| d) | Regional Officer, M. P. C. Board, Aurangabad          | Member                            |
| e) | Sub Regional Officer, M. P. C. Board, Aurangabad      | Member Conveyor<br>(Nodal Agency) |

...2...

**During the joint inspection following industry representatives and Petitioners/ farmers were present:-**

- f) Shri. Ashish Kapoor, Senior Vice-President (M/s Radico NV Distilleries Maharashtra Ltd.)
- g) Shri. Sushil Saroha, General Manager (Bio composting, M/s Radico NV Distilleries Maharashtra Ltd.)
- h) Shri. Jitendra Sonawane, Jr. Manager (M/s Radico NV Distilleries Maharashtra Ltd.)
- i) Shri. Subhash Mhasu Gadekar (Farmer, Gat No. 310, Adgaon Khurd, Tal. & Dist. Aurangabad)
- j) Shri. Ambadas Rustom Gadekar (Farmer, Gat No. 310, Adgaon Khurd, Tal. & Dist. Aurangabad)
- k) Shri. Ravindra Bhimrao Gadekar (Farmer, Gat No. 308, Adgaon Khurd, Tal. & Dist. Aurangabad)
- l) Shri. Datta Mhasu Gadekar (Farmer, Gat No. 310, Adgaon Khurd, Tal. & Dist. Aurangabad)
- m) Shri. Krushna Ankush Gadekar (Farmer, Gat No. 296, 300 & 309, Adgaon Khurd, Tal. & Dist. Aurangabad) & others.

**At first the Committee members visited to the Bio compost Plant owned by M/s. Radico NV Distilleries Maharashtra Ltd. at Gat No. 12, Takli Mali, Tal. & Dist. Aurangabad and during the joint inspection / visit following observations were made: -**

**1) Bio composting Yard premises : -**

1. The MPC Board issued valid consent for the Bio composting activity vide letter No.- BO/CAC/Cell/UAN No.-000001779/R/CAC-1912000185-A dated 16.09.2019 for products of Bio-Compost -9500 MT/Annum, which is valid for the period up to 31.08.2023.
2. The total area of the project site is 21 acres.
3. Within the premises the industry has installed 02 nos. of poly sheds (3 acres each) having covered, HDPE lining (250 micron) and brick-on edge.
4. During the visit, the Bio-composting activity found in operation and the said bio composting activity is carried out by using press mud, spent wash, yeast sludge, ageto bacteria, cow dung, mehndi, chana atta as a raw material.
5. The industry has provided two numbers of leachate collection tank (RCC) having capacity 10 KL and same is reuse in the bio composting activity for spraying purpose.
6. The industry has installed 1 nos. of RCC tank with HDPE (500 micron) having capacity 1000 cubic meter for storage of spent wash.
7. The industry has provided 4 nos. of piezo metric hole (testing well) around the compost site for ground water monitoring.

...3

...3...

8. The industry has provided 05-acre open land with Brick on edge & HDPE lining (250 micron) for storage of raw press mud & ready compost materials.
9. The industry has provided 02 nos. of pond with HDPE lining having capacity 28000 cubic meter and 15000 cubic meter for storage of surface run off from raw material storage area.
10. The industry has provided 01 no. of rainwater collection pond having capacity of 1500 cubic meter with HDPE lining (500 micron).
11. The industry has carried out the tree plantation around the periphery of the unit.
12. During the visit JVS water sampling is carried out at 04 nos of piezo metric hole (testing well) and 01 nos dug well in the unit premises .

2) **Joint inspection within the premises of Shri Subhash Gadekar, Petitioner (Farmer) & others at Gat No. 310, 309, 308, 300 & 296, Adgaon (Khurd), Tal. & Dist. Aurangabad: -**

1. During the joint inspection along with Committee members and shri. Subhash Gadekar (Applicant) within the premises of his farm, the crop of sugar cane, cotton, sweet Lemon, lemon, ginger & cabbage etc. are observed.
2. During the visit, shri Subhash Gadekar (Applicant) has informed to the committee that, in summer season unpleasant smell felt / noticed at their farm and nearby area and also the colour of well water changes due to the percolation of said composting activity.
3. The site of the farm i.e. location no. 1 to 5 is located at upstream of the bio composting site.
4. **At the time of visit following well water sample are collected in the presence of committee, industry representative and Petitioner:**

Sr No.	Name of Petitioner	Name of Gut No.	Physical Appearance
1	Well Water sample At Shri Subhash Gadekar Farm	Gat NO. 310, Adgaon Khurd, Tal. & Dist. Aurangabad	Clear

5. **At the time of visit following well water sample are collected in the presence of committee, industry representative and Farmer :**

Sr No.	Name of Farmer	Name of Gut No.	Physical Appearance
1	Well Water sample At Shri Subhash Gadekar Farm	Gat NO. 310, Adgaon Khurd, Tal. & Dist. Aurangabad	Clear
2	Well Water sample At Shri Ankush Gadekar Farm	Gat NO. 309, Adgaon Khurd, Tal. & Dist. Aurangabad	Clear
3	Well Water sample At Shri Maruti S. Gadekar Farm	Gat NO. 309, Adgaon Khurd, Tal. & Dist. Aurangabad	Clear
4	Well Water sample At Shri Ravindra Gadekar Farm	Gat NO. 308, Adgaon Khurd, Tal. & Dist. Aurangabad	Clear
5	Well Water sample At Shri Sukhdev R. Gadekar Farm	Gat NO. 296, Adgaon Khurd, Tal. & Dist. Aurangabad	Clear
6	Well Water sample At Shri Dyandev Ramrao Taro Farm	Gat NO. 300, Adgaon Khurd, Tal. & Dist. Aurangabad	Slightly Brownish

...4

...4...

3) Following instruction were given by the Hon'ble Collector, Aurangabad during the visit to Respondent industry:

A. Short Term Action plan: -

- i. The industry should provide RCC platform for composting area with proper leak proof by lining.
- ii. The industry should provide dig trench (cut off trench) with black cotton soil & plastic sheet around the boundary of composting site to avoid the percolation/ lateral capillary movement of liquid.
- iii. The industry should provide display board at piezo metric hole and to monitored ground water/ piezo metric hole and report shall be submitted to Board office regularly.
- iv. The industry should strictly comply with the conditions stipulated in Consent to Operate and Environmental Clearance, directions issued by Hon'ble NGT and CPCB / MPCB from time to time.
- v. The industry should immediately take measure to remove the issued<sup>s</sup> related with odour / flies within and surrounding the compost plant.
- vi. The industry should regularly monitor the poly sheds, brick-on edge area and HDPE lining area and immediately to be replace if found damaged.
- vii. The industry should maintain record regarding daily receipt of spent wash, compost dispose each day.

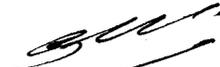
B. Long term action plan :-

- i. The industry should adopt Incineration Technology to the Zero Liquid generation of spent wash.

The industry shall submit the time bound programme for implantation of above work & submit the progress report in the Board.

  
Dr. Sudhakar S. Shelke  
Chief Medical Officer,  
Zilha Parishad, Aurangabad

  
Sunil S. Chavan (IAS),  
District Collector, Aurangabad

  
Tukaram S. Mote,  
District Agricultural Officer,  
District Superintending Agriculture  
Officer Aurangabad

  
Dr. Pravin M. Joshi,  
Regional Officer, MPC Board

  
Pradeep Wankhede,  
Sub -Regional Officer, MPC Board

5

## Well water samples, Adgaon Khurd, Tal. &amp; Dist. Aurangabad

Sr. No.	Parameters	Standard as per Ground Water Parameter is 10500:2012	Date of collection					
			06.11.2020					
			Well water sample at Shri Subhash Gadekar, Farm, Gut No. 310, Adgaon Khurd, Tal. & Dist. Aurangabad	Well water sample at Shri Ankush Gadekar, Farm at Gut No. 309, Adgaon Khurd, Tal. & Dist. Aurangabad	Well water sample at Shri Maruti Gadekar, Farm at Gut No. 309, Adgaon Khurd, Tal. & Dist. Aurangabad	Well water sample at Shri Ravindra Gadekar, Farm Gut No. 308, Adgaon Khurd, Tal. & Dist. Aurangabad	Well water sample at Shri Sukhdev Gadekar, Farm at Gut No. 296, Adgaon Khurd, Tal. & Dist. Aurangabad	Well water sample at Shri Dyandev Ramrao Taro, Gut No. 300, Adgaon Khurd, Tal. Dist. Aurangabad
Lab Report No.			E-67	E-68	E-69	E-70	E-71	E-72
Code No.			1915	1916	1917	1918	1919	1920
1	pH	6.5-8.5	6.58	6.87	6.88	7.03	6.93	6.66
2	Turbidity	< 1.0	0.3	0.2	0.2	0.3	0.2	0.3
3	Conductivity	Not Specified	1736	1786	2341	1784	1861	3172
4	DO	Not Specified	5.44	6.64	4.76	7.86	4.62	0
5	COD	Not Specified	32	20	40	12	36	112
6	SS	Not Specified	8	8	10	10	12	20
7	TDS	< 500	1208	1262	1638	1272	1304	2268
8	BOD	Not Specified	11.8	8	15	4.5	14	45
9	Chloride	< 250.0	228	255	255	210	215	525
10	Sulphate	< 200.0	210	129.5	169.3	204	216	407
11	Phosphate	Not Specified	1	1	1	0.7	0.9	0.9
12	Hardness	< 200.0	182	192	208	190	194	250
13	Magnesium	< 30.0	60	72	92	60	86	110
14	Total Alkalinity	Not Specified	204	212	228	216	232	286
15	NO3	< 45.00	0.7	0.7	0.6	0.7	0.7	0.6
16	NO2	Not Specified	0.3	0.2	0.1	0.3	0.1	0.1
17	Total Solids	Not Specified	1224	1270	1650	1282	1318	2290

## Sample of Pezo Metric Hole (Testing well)

Sr. No.	Parameters	Standard as per Ground Water Parameter is 10500:2012	Date of collection			
			06.11.2020			
			Pezo Metric Hole (Testing well) No. I, Near shed no.1, Takli Mali, Tal. & Dist. Aurangabad	Pezo Metric Hole (Testing well) No. II, Near shed no.2, Takli Mali, Tal. & Dist. Aurangabad	Pezo Metric Hole (Testing well) No. III, Near shed no III, Takli Mali, Tal. & Dist. Aurangabad	Pezo Metric Hole (Testing well) No. IV, Near Surface run off storage tank.
Lab Report No.			J-263	J-264	J-265	J-266
Code No.			11533	11534	11535	11536
1	pH	6.5-8.5	7.42	7.21	7.11	7.04
2	DO	Not Specified	2.05	4.64	4.08	0.91
3	BOD	Not Specified	30	15	16	40.6
4	COD	Not Specified	76	40	48	104
5	Sulphate	< 200.0	32.1	25.2	13.5	13.7
6	Chloride	< 250.0	17.6	20	15.5	15
7	SS	Not Specified	10	12	8	16
8	TDS	< 500	172	158	206	164
9	Total Solids	Not Specified	184	172	218	182
10	Phosphate	Not Specified	1	1	1	0.9
11	Hardness	< 200.0	42	40	52	38
12	Magnesium	< 30.0	18	20	18	16
13	Total Alkalinity	Not Specified	54	52	62	48
14	Conductivity	Not Specified	249.4	226.6	289.2	238.8
15	Turbidity	< 1.0	0.3	0.2	0.3	0.2

MAHARASHTRA REGIONAL CONTROL BOARD  
Regional Laboratory, Aurangabad



Phone No;-0240-2473463  
Fax No: - 0240-2473461

• "Paryavaran Bhavan", Plot No.A-4/1,  
MIDC Chikalhana,  
Near Dhoot Hospital, Jalna road,  
Aurangabad. 431005

MPCB/R.LAB/ /2020

Date: - 17 - 11 -2020

ENVIRONMENTAL URGENT ANALYSIS REPORT SHEET

To,  
Sub-Regional Officer,  
M.P.C.Board,  
Aurangabad I

Sample collected on: 06/11/2020  
Sample Received on: 06/11/2020

Lab Report No.	E-67	E-68	E-69	E-70	E-71	E-72
Code No.	01915	01916	01917	01918	01919	01920
Parameter	Dugwell	Dugwell	Dugwell	Bogwell	Dugwell	Dugwell
pH	6.58	6.87	6.88	7.03	6.93	6.66
Turbidity	0.3	0.2	0.2	0.3	0.2	0.3
Conductivity	1736.0	1786.0	2341.0	1784.0	1861.0	3172.0
DO	5.44	6.64	4.76	7.86	4.62	0.0
COD	32.0	20.0	40.0	12.0	36.0	112.0
Suspended Solids	8.0	8.0	10.0	10.0	12.0	20.0
Total Dissolved Solids	1208.0	1262.0	1638.0	1272.0	1304.0	2268.0
BOD	11.8	8.0	15.0	4.5	14.0	45.0
Chloride	228.0	255.0	255.0	210.0	215.0	525.0
Sulphate	210.0	129.5	169.3	204.6	216.0	407.0
Phosphate	1.0	1.0	1.0	0.7	0.9	0.9
Hardness	182.0	192.0	208.0	190.0	194.0	250.0
Magnesium	60.0	72.0	92.0	60.0	86.0	110.0
Total Alkalinity	204.0	212.0	228.0	216.0	232.0	286.0
NO3	0.7	0.7	0.6	0.7	0.7	0.6
NO2	0.3	0.2	0.1	0.3	0.1	0.1
Total Solids	1224.0	1270.0	1650.0	1282.0	1318.0	2290.0

Tolerance Limits

Note; - 1) All Results are in ppm except pH.  
2) BDL Indicates below Detectable limit.  
3) CONDUCTIVITY are in  $\mu\text{S/cm}$  or  $\text{cm}^{-1}$ .

1) CODE NO - 01915  
WELL WATER SAMPLE AT,  
SHRI SUBHASH GADGEKAR FARM,  
CUMP NO-310 ADGAON KHURD, TAL & DIST. A'BAD.

2) CODE NO - 01916  
WELL WATER SAMPLE AT,  
SHRI ANKUSH GADGEKAR FARM,  
CUMP NO-309 ADGAON KHURD TAL & DIST. A'BAD.

3) CODE NO - 01917  
WELL WATER SAMPLE AT,  
SHRI MARUTI GADGEKAR FARM,  
CUMP NO-309 ADGAON KHURD TAL & DIST. A'BAD.

(Dr. V.R.Thakur)  
Sr.Scientific Officer,  
I/c Regional Laboratory,  
M.P.C.Board, Aurangabad.

4) CODE NO - 01918  
WELL WATER SAMPLE AT,  
SHRI RAJENDRA GADEKAR FARM,  
CUT NO - 808, ADGAON KHURD TAL & DIST. A'BAD.

5) CODE NO - 01919  
WELL WATER SAMPLE AT,  
SUKHDEO GADEKAR FARM,  
CUT NO - 296 ADGAON KHURD TAL & DIST. A'BAD.

6) CODE NO - 01920  
WELL WATER SAMPLE AT,  
SHRI DYANDEV RAMRAO TARO  
CUT NO - 300 ADGAON KHURD, TAL & DIST. A'BAD.

# MAHARASHTRA POLLUTION CONTROL BOARD

## Regional Laboratory, Aurangabad



Phone No;-0240-2473463

Fax No: - 0240-2473461

• "Paryavaran Bhavan", Plot No.A-4/1,  
MIDC Chikalthana,

Near Dhoot Hospital, Jalna road,  
Aurangabad. 431005

MPCB/R.LAB/ /2020

Date: - 17 - 11 -2020

### JVS URGENT ANALYSIS REPORT SHEET

To,  
Sub-Regional Officer,  
M.P.C.Board,  
Aurangabad I

Sample collected on: 06/11/2020

Sample Received on: 06/11/2020

Lab Report No.	J-263	J-264	J-265	J-266
Code No.	11533	11534	11535	11536
Parameter	Other	Other	Other	Other
pH	7.42	7.21	7.11	7.04
DO	2.05	4.64	4.08	0.91
BOD	30.0	15.0	16.0	40.6
COD	76.0	40.0	48.0	104.0
Sulphate	32.1	25.2	13.5	13.7
Chloride	17.6	20.0	15.5	15.0
Suspended Solids	10.0	12.0	8.0	16.0
TDS	172.0	158.0	206.0	164.0
Total Solids	184.0	172.0	218.0	182.0
Phosphate	1.0	1.0	1.0	0.9
Hardness	42.0	40.0	52.0	38.0
Magnesium	18.0	20.0	18.0	16.0
Total Alkalinity	54.0	52.0	62.0	48.0
Conductivity	249.4	226.6	289.2	238.8
Turbidity	0.3	0.2	0.3	0.2

Tolerance  
Values

Note; - 1) All Results are in ppm except pH.

1) CODE NO 11533

PERO METRIC HOLE (TESTING WELL) NO (I)

NEAR SHED NO 1, TALKI MAI, A' BAD.

2) CODE NO 11534

PERO METRIC HOLE (TESTING WELL) NO (II)

NEAR SHED NO - (2) TALKI MAI, A' BAD.

3) CODE NO 11535

PERO METRIC HOLE (TESTING WELL) NO (III)

NEAR SHED NO (I) TALKI MAI, A' BAD.

4) CODE 11536

PERO METRIC HOLE (TESTING WELL) NO (IV)  
NEAR ~~SHED~~ SURFACE RUN OFF STORAGE TANK.

*(Signature)*

(Dr. V.R.Thakur)

Sr.Scientific Officer,  
I/c Regional Laboratory,  
M.P.C.Board, Aurangabad.

जाक्र/जिअकृअ/तंत्र-3/मप्रनिमंडळ/ 1485 /2020

जिल्हा अधिक्षक कृषि अधिकारी, औरंगाबाद.

दि.01/12/2020.

प्रति,

उप प्रादेशिक अधिकारी,  
महाराष्ट्र प्रदुषण नियंत्रण मंडळ,  
उप-प्रादेशिक कार्यालय, औरंगाबाद.

विषय - मा.हरितलवाद, नवी दिल्ली (पुणे खंडपीठ) यांचे ओ.ए.नं.12/2020 अन्वये आदेश  
दि.19/08/2020.

संदर्भ - महाराष्ट्र प्रदुषण नियंत्रण मंडळ, औरंगाबाद यांचा ई-मेल दि.23/11/2020.

उपरोक्त संदर्भिय विषयान्वये दि.06/11/2020 रोजी समितीने आडगाव (खुर्द), ता.जि.औरंगाबाद येथिल 6 विहीरींची पाहणी केली. या विहीरीतील पाण्याचे नमूने घेऊन ते महाराष्ट्र प्रदुषण नियंत्रण मंडळ, औरंगाबाद यांनी तपासणी केली आहे. पाणी तपासणीचे अहवाल दि.23/11/2020 रोजी ई-मेल द्वारे प्राप्त झाले. प्राप्त झालेल्या अहवालानुसार पाण्यातील जे घटक तपासणी केलेले आहेत. त्यापैकी pH, Conductivity, Chloride व Sulphate हे घटक सदरील विहीरींचे पाणी पिकासाठी सिंचनाकरीता योग्य आहे किंवा नाही यासाठी कृषि विभागामार्फत तपासले जातात. आपल्याकडून प्राप्त झालेल्या पाणी तपासणी अहवालातील तपासणी घटकाचे परिमाण pH व Conductivity सोडून ppm मध्ये आहेत. तसेच Conductivity या घटकाचे परिमाण Microsimens / cm असे आहेत.

कृषि विभागामार्फत तपासल्या जाणाऱ्या घटकांचे परिमाण pH व Conductivity सोडून मि.ई/लि मध्ये आहेत. तसेच Conductivity या घटकाचे परिमाण Desi-simens / Meter असे आहेत. सुलभतेसाठी आपल्या अहवालातील व या विभागाद्वारे तपासल्या जाणाऱ्या सारख्या घटकांचे परिमाण आपल्या अहवालातील परिमाणा प्रमाणे रूपांतरीत करण्यात आले आहेत.

सिंचनासाठी पाण्याची प्रतवारी खालील तक्त्याप्रमाणे तपासली जाते.

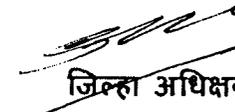
अ.क्र.	घटक	उत्तम प्रतिचे	मध्यम प्रतिचे	अयोग्य प्रतिचे
1.	सामू (pH)	6.5 ते 7.5	7.5 ते 8.5	> 8.5
2.	पाण्याची विद्युत वाहकता (Conductivity) / क्षार (मायक्रोसामन/सेमी)	< 250	250 ते 2250	> 2250
3.	कार्बोनेट (Carbonate) (पीपीएम)	< 0	15 ते 45	> 45
4.	बायकार्बोनेट (Bicarbonate) (पीपीएम)	< 92	92 ते 488	> 488
5.	क्लोराईड (Chloride) (पीपीएम)	< 140	140 ते 350	> 350

6.	सल्फेट (Sulphate) (पीपीएम)	< 96	96 ते 576	> 576
7.	रेसिड्युअल सोडियम कार्बोनेट (मि.ई/लि)	< 1.25	1.25 ते 2.5	> 2.5
8.	सोडियम शोषण गुणांक (Sodium Absorption Ratio)	< 10	10 ते 26	> 26
9.	मॅग्नेशियम कॅल्शियम गुणांक (Magnesium-Calcium Ratio)	< 1.5	1.5 ते 3.0	> 3.0
10.	बोरॉन (पीपीएम)	< 1.0	1.0 ते 2.0	> 2.0

उपरोक्त तक्त्यावरून प्राप्त पाणी तपासणी अहवालातील उपरोक्त सारख्या घटकांचे निष्कर्ष खालील प्रमाणे आहेत.

अ. क्र.	लॅब रिपोर्ट नं.	E-67	E-68	E-69	E-70	E-71	E-72	सिंचनासाठी पाण्याची प्रतवारी
	कोड नं.	01915	01916	01917	01918	01919	01920	
	पॅरामीटर	DUGWELL	DUGWELL	DUGWELL	DUGWELL	DUGWELL	DUGWELL	
1.	pH	6.58	6.87	6.88	7.03	6.93	6.66	उत्तम प्रतिचे
2.	Conductivity (Microsime ns / cm)	1736	1786	2341	1784	1861	3172	E-72 अयोग्य
3.	Chloride (ppm)	228	255	255	210	215	525	E-72 अयोग्य
4.	Sulphate (ppm)	210	129.5	169.3	204.6	216	407	योग्य

करीता माहिती व योग्य कार्यवाहीस्तव सादर.

  
 जिल्हा अधिक्षक कृषि अधिकारी,  
 औरंगाबाद.

//Translated copy//

O/wno/DSAO/TECH-3/MPCB/1485/2020

District Superintendent Agricultural Officer, Aurangabad

Date : 1/12/2020

To,  
Sub-Regional Officer  
Maharashtra Pollution Control Board  
Sub-Regional Office, Aurangabad.

Subject:- Regarding Order of Hon'ble National Green Tribunal (WZ, Bench at Pune) dated 19/08/2020

Reference:- Email received from Maharashtra Pollution Control Board, Aurangabad dated 23/11/2020

With respect to above referred subject, the Committee has inspected 6 wells situated at Adgao (Khu.) Taluka and District Aurangabad on 06/11/2020. The samples were collected from the wells and those samples have been tested by Maharashtra Pollution Control Board, Aurangabad. The water testing report was received on 23/11/2020 through e-mail. According to the reports so received, the water samples from the wells are tested on the parameters viz.; pH, Conductivity, Chloride, and sulphate and based on those parameters the tests are conducted by Agricultural Department whether the water is good for irrigation or not. The reports of water testing received from your department reveal that, the units of the tests are based on parameter "ppm" instead of "pH" and "Conductivity". More so, the unit for the parameter "conductivity" are in "Microsemens/cm".

The unit of the tests conducted by Agricultural Department is "mg/l" instead of "pH" and "Conductivity". More so, the unit of conductivity is "Desi-simens /Meter". Therefore, for sake, the units of the tests which are conducted by this department have been converted to the units of similar parameters from your report.

The water grading for the purpose is done as per the table below:

Sr.no.	Parameter	Permissible limits	Medium limits	Impermissible Limits
1.	pH	6.5 to 7.5	7.5 to 8.5	> 8.5
2.	Conductivity	<250	250 to 2250	>2250
3.	Carbonate(ppm)	<0	15 to 45	> 45
4.	Bicarbonate(ppm)	<92	92 o 488	> 488
5.	Chloride(ppm)	< 140	140 to 350	> 350
6.	Sulphate (ppm)	< 96	96 to 576	> 576
7.	Residual Sodium Carbonate (mg/l)	<1.25	1.25 to 2.5	> 2.5
8.	Sodium Absorption Ratio	<10	10 to 26	> 26
9.	Magnesium Calcium Ratio	<1.5	1.5 to 3	> 3.0
10.	Boron (ppm)	<1.0	1.0 to 2.0	> 2.0

The conclusions of reports of Water tests from the above-mentioned table based on above-mentioned similar parameters, are as follows:

Sr. No.	Lab Report No.	E-67	E-68	E-69	E-70	E-71	E-72	Gradation of Water Irrigation
	Code no.	01915	01916	01917	01918	01919	01920	
	Parameter	DUGWELL	DUGWELL	DUGWELL	DUGWELL	DUGWELL	DUGWELL	
1.	pH	6.58	6.87	6.88	7.03	6.93	6.66	Permissible Limits
2.	Conductivity (Microsemens/cm)	1736	1786	2341	1784	1861	3172	E-72 unfit for irrigation
3.	Chloride (ppm)	228	255	255	210	215	525	E-72 unfit for irrigation
4.	Sulphate (ppm)	210	129.5	169.3	204.6	216	407	Fit for irrigation

For information and further submission.

Sd/-

District Superintendent Agricultural Officer  
Aurangabad