



क्षेत्रीय कार्यालय उ. प्र. प्रदूषण नियंत्रण बोर्ड
Regional Office, U.P. Pollution Control Board

संदर्भ सं०
Ref. No. 490/OA-41/NGT/2020

दिनांक 27.11.2020
Date.....20

To,
The Registrar,
Hon'ble National Green Tribunal,
Copernicus Marg, New Delhi.

Sub: Regarding Submission of Compliance Report pursuant to the order date 23.06.2020 in O.A. No. 41/2020 in the matter of (Pushpendra Kumar and Nagar Panchayat Kadaura and Ors.)

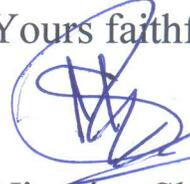
Sir,

In Compliance of order dated 23.06.2020 passed by Hon'ble Tribunal in O.A. No 41/2020 in the matter of (Pushpendra Kumar and Nagar Panchayat Kadaura and Ors.) the Compliance report is enclosed herewith.

It is requested that the compliance report may be presented before the Hon'ble Tribunal for kind consideration.

Encl: As above

Yours faithfully,


(Niranjana Sharma)
Regional Officer

27/11/2020

Verification Report of Sadar Talab Kadora District Jalaun in matter of Hon'ble NGT O.A No.- 41/2020 (Puspendra Kumar Vs Executive officer), Nagar Panchayat kadora, Jalaun.

| | |
|--|---|
| Date of Inspection | 21.11.2020 |
| Inspecting officer of UPPCB, Jhansi. | V.K. Dubey (AEE) |
| Present officer of Nagar Panchayat Kadora, Jalaun at the time of Inspection. | Sunil Kumar Singh (Executive Officer) |
| Population of Kadora Nagar Panchayat, Kadora, Jalaun. | 14903 (Census 2011). |
| Establishment Year of Nagar Panchayat, Kadora, Jalaun. | 1951 |
| Total Area of Sadar Talab Kadora As per Revenue Record. | 2.914 Hectare |
| Have Encroachment is present at the land of Sadar Talab or demolished by Nagar Panchayat, Kadora, Jalaun. | 1. 41 Nos. Temporary Encroachment Have been removed. 2. 18 Nos. Constructed Encroachment is Under Process. |
| GPS of Sadar Talab Kadora, Jalaun. | Latitude :- 25.984314 Longitude :-79.834957 Near the House of Pushpendra Dwivedi |
| Total number of drains which falls in Sadar Talab, Kadora, Jalaun in previous. | Two Main Drains are Joining Pond(1- Ramghat Drain, 2-Chatela Marg Drain near Balwant Singh House |
| Number of drains which has Taped at present. | Main market Purana Bajar drain. |
| Number of untapped drains by which sewage of Kadora meets into Sadar Talab, Kadora, Jalaun at present. | Two Drains |
| Photo Graphs with Executive officer Nagar Panchayat, Kadora, Jalaun. | Enclosed |
| Cleaning Status of Sadar Pond Kadora, Jalaun. | Last Cleaning of pond done on dated 20.10.2020 |
| Photo graphs of Sadar Talab Pond Kadora, Jalaun. | Enclosed |
| Water quality monitoring date. | 21.11.2020 |
| Quality of Poned water of Sadar Talab, Kadora, Jalaun on date 21.11.2020 | To be analyzed by UPPCB Lab, Jhansi. |
| Remark regarding action plan for restoration, up gradation, beautification of Sadar pond Kadora, Jalaun. | Under process |
| Imposed environmental compensation money deposited or not. If not then reason statement of Executive Officer Nagar Panchyat, Kadora. | Environmental Compensation money not deposited. Matter is related to UP Government for funding. |


21.11.2020

Executive officer
Nagar Panchayat, Kadora
Distt. Jalaun


21/11/2020
Asstt. Env. Engineer
UPPCB, Jhansi.

Action Plan for Treatment

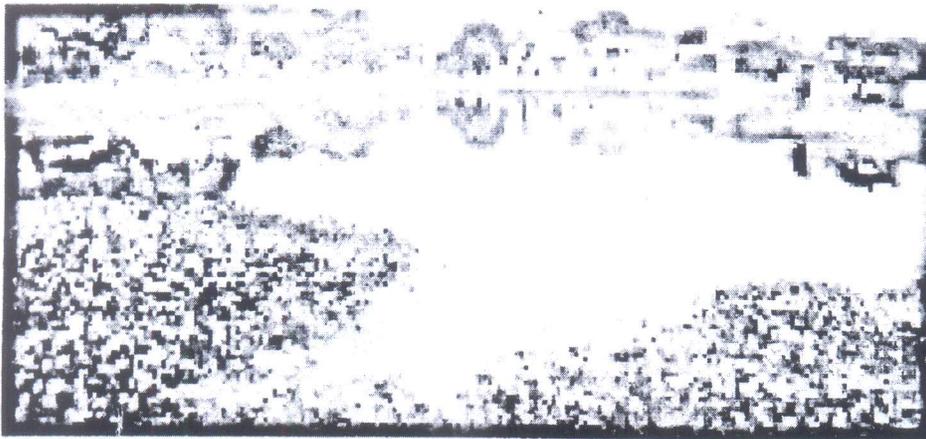
of

Sadar Talab No. 850/586

situated at Kadaura Chatela, Other

District Road,

District-Jalaun



1.0. Background

1.1 The pond Sadar Talab No. 850/586 is an old pond which is situated at Kadaura Chatela, Other District Road, Jalaun. The water of this pond was used for bathing of human being and drinking by animals in the past. There used to be two bathing ghats i.e. Ramghat and Shyamghat in the past, which are no more in existence at present due to start of piped water supply for the residents of nearby areas. At present lot of encroachment has taken place all around the pond and sewer outlets of nearby residents are connected to this pond. Later on unplanned storm water drain were built all around the pond and polluted water started collecting in the pond, which resulted in pathetic condition of the pond.

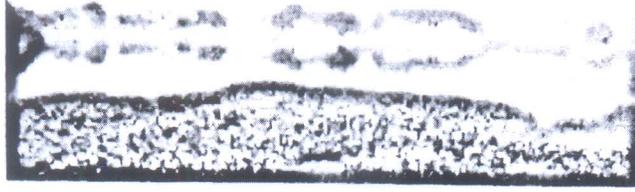
2.0. Survey and Site visit of tanks at Municipal limits

- 2.1 A site visit and survey was undertaken of the Talab on 15th October, 2020 to understand the current situation of the tanks and pollution levels etc and the issues that may arise during the implementation of the cleaning process.
- 2.2 Mr. Jayendra Kumar, SDM Kalpi was kind to personally come with us to explain and show the place around and give detailed inputs of the site issues.
- 2.3 The inlet to the pond was observed and also the hyacinth were being removed.
- 2.4 The Dimension of the lake is about 4 acres
- 2.5 A pictorial presentation of the drains are given below:




अधिशायी अधिकारी
नगर पंचायत - कटोरा
जालौन (3090)

wse
वी० के० दूबे
सहायक पर्यावरण अभियन्ता
उ०प्र० प्रदूषण नियंत्रण बोर्ड, झाँसी



2.6 The current pollution levels in the above lake are given below:

PARAMETERS MONITORED

COD (mg/l) - 100

BOD (mg/l) - 75

3.0 Issues and Strategy

- 3.1. Identification and removal of encroachment around the pond.
- 3.2. Removal of hyacinth and plastic.
- 3.3. Identification and tapping of drains to curtail pollution sources at inlet.
- 3.4. Removal of Polluted water of the pond.
- 3.5. Rejuvenation/beautification of pond.

4.0 Action Plan

| S.No | Activity | Strategy | Status of Implementation |
|------|---|---|---|
| 1. | Identification and removal of encroachment around the pond. | In compliance of Hon'ble NGT order and direction of D.M. Jalaun, a committee constituted by S.D.M. has identified 18 permanent encroachments, which should be removed. Notices have also been issued to 41 temporary encroachments for removing the same. If encroachments are not removed then legal action will be taken. | Nagar Panchayat, Kadaura has filed case under PPD Act against the permanent encroachers. 04 Encroachers have filed case in the Court of Judicial District, Kalpi. Nagar Panchayat Kadaura is effectively contesting these cases through their counsels. All the 41 temporary encroachments have been removed on 27.09.2020. |
| 2. | Removal of hyacinth and plastic. | It was planned to remove hyacinth and plastic with the support of District Administration and cooperation of local residents. | Special drive was started by Nagar Panchayat, Kadaura, NGO, Local residents from dated 27.09.2020 to 20.10.2020 for removal and effective disposal of hyacinth |


अधिकाारी अधिकाारी
नगर पंचायत - कादुरा
जालांन (3020)


वी0 के0 दूवे
सहायक पर्यावरण अधिकाारी
उ0प्र0 प्रदूषण नियंत्रण बोर्ड, झांन

| | | | |
|----|---|---|---|
| | | | and plastic. This resulted in complete removal of hyacinth and plastic. |
| 3. | Identification and tapping of drains to curtail pollution sources at inlet. | Identification of storm water drain and domestic sewer drain will be done. Thereafter, domestic sewer drain will be tapped/diverted. Only storm water drain will be allowed to enter the pond. | Two inlet points were identified towards market side in east direction and 03 inlet points were identified in the north direction towards residential area. It has been decided all these inlet points will be diverted through constructing peripheral drain all around the pond in time bound manner with financial assistance from State Govt. |
| 4. | Removal of Polluted water of the pond. | Removal of polluted water from the pond and desilting of bottom sludge, | Polluted water was pumped out to Ramlila Ground through three constructed drains and some water was used by farmers for irrigation and thus most of the polluted water has been removed. |
| 5. | Rejuvenation/beautification of pond. | <ol style="list-style-type: none"> 1. Refilling of fresh water in the pond after removal of polluted water and bottom sludge. 2. After refilling continuous treatment of pond water with enzyme and aeration based treatment to maintain its water quality. 3. Construction of pucca embankment all around the pond. 4. Development of old bathing ghats i.e. Ramghat and Shyamghat and its beautification. | <ol style="list-style-type: none"> 1. Refilling of fresh water will be started as soon as polluted water and bottom sludge are completely removed from the pond. 2. Continuous treatment of pond water after refilling will be done as per treatment plan costing around Rs. 8.50 Lac. 3. Wired fencing all around the sadar pond will be done in 1st year. 4. Domestic sewer drain will be tapped and treatment will be done through oxidation pond method. 5. Construction of Ramghat and Shyamghat will be done, so that pond could be used by all. 6. Green belt will be |


 अधिशाही अधिकारी
 नगर पंचायत - कटोरा
 जालंधर (3090)


 वी० वी० नये
 सहायक पर्यावरण नियन्त्रिता
 उ०प्र० प्रदूषण नियंत्रण बोर्ड, जालंधर

| | | | |
|--|--|--|---|
| | | | developed all around the pond through dense environment friendly trees. |
|--|--|--|---|

5.0 Proposed treatment after cleaning of pond.

- 5.1 When Swach Plus Enzyme is applied to the contaminated water on open drain, the molecular structure begins to breakdown immediately, and in a short time, visually disappear. This is caused through the action of bio surfactants that connect with the hydrocarbon molecules and breakdown the covalent and ionic bonds creating small micelles. This process rapidly reduces the toxicity of the hydrocarbon making it more bio-available to indigenous bacteria that utilize the hydrocarbon as a food source.
- 5.2. Simultaneous with the bio-surfactant action breaking down the hydrocarbon into a more manageable form, enzymes form protein binding sites that attract the bacteria to induce or trick them into utilizing the detoxified oil as a food. The food-source droplets are called micelles—liken these to being self contained separated units where bacteria can safely live. Swach Plus Enzyme also changes the density of the oil to cause it to float, and reduces the adhesion properties so the oil will no longer adhere to shorelines, vegetation or man-made structures.
- 5.3. The Biosurfactants breakdown the polar compounds in oil/hydrocarbons and thus change the polarity, disengaging the covalent and ionic bonds enabling oil and water to mix. While this is occurring the enzymes and micro-nutrients bond to the micelles forming an enzyme nutrient complex package. The affinity that certain enzymes have for various chain hydrocarbons make it possible for these small packets of micro-nutrients, (containing the three basic building blocks for growing bacteria; carbon, nitrogen, and phosphorous) to bond or adhere to the micelles through specialized covalent and ionic bonds until they are digested to CO₂ and water by bacteria

6.0 Process of Implementation

- Works in temperature range of -2.2 to 48.8 degree Celsius and hence throughout year and in all regions
- It is proposed to undertake cleaning of the portion of Talab as initially identified in this phase.
- Inlet drains to this portion of the pond would be closed off so that new sewage is not introduced during the cleaning phase.
- The floating solids would be removed using nets through a manual operation.
- The Entire pond will be dosed with the solution prepared and then different forms of aeration would be used to mix the enzymes with the lake water.
- The enzyme application will be done 3-4 times in a interval of 15 days.


अधिकाारी
 नगर पंचायत - कदौरा
 जालौर (3050)


वी० के० दूबे
 सहायक पर्यावरण अभिाता
 उ०प्र० प्रदूषण नियंत्रण बोर्ड, जालौर

- This will ensure that the pollutants would be bio-remediated within a period of 60-90 days in the pond.
- Two fountains will be installed for aeration purpose.
- Fishes will be released once favorable conditions are achieved.

7.0 Achievement of targets after implementation

It is understood that the target to be met in respect of various contaminants are as under:

- BOD -20 mg/l
- COD -50 mg/l


अधिकाारी अधिकाारी
नगर पंचायत - कदीरा
जालीन (30प्र0)


टी. ए. दूबे
सहायक अभियंता
उ०प्र० प्रदूषण नियंत्रण बोर्ड, जालीन