

Matter Listed On: 16.05.2025
Section : XVII
IN THE SUPREME COURT OF INDIA
CIVIL APPELLATE JURISDICTION
CIVIL APPEAL NO. 6469 OF 2024

IN THE MATTER OF:

Nagar Nigam Heritage Jaipur,
Through Commissioner And Anr.

...Appellants

VERSUS

Rajendra Tiwari And Ors.

...Respondents

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Dated:13.05.2025



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CSIR-National Environmental Engineering Research Institute



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April 29, 2025

NEERI/Courtcase/2025/ 25

The Commissioner,

Jaipur Municipal Corporation Heritage,

Near Hawamahal, Jaleb Chowk, Badi Chaupar,

Jaipur- 302001

Subject: Inspection report of the Jal Mahal Lake, Jaipur

Reference: Order dt. 24.03.2025 issued by Hon'ble Supreme Court in Civil Appeal No (s) 6469/2024

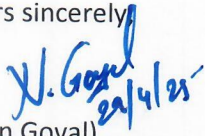
Dear Sir,

Please find attached the report prepared by CSIR-NEERI as per the above order by Hon'ble Supreme Court and the letter from your office dated 28.03.2025.

The report has a total of 18 pages.

Thanking you,

Yours sincerely,



(Nitin Goyal)

Principal Scientist and Chair



Inspection report of the Jal Mahal Lake, Jaipur, Rajasthan



**CSIR-National Environmental Engineering Research Institute (CSIR-NEERI)
Nehru Marg, Nagpur-440020 (Maharashtra)**

1. Introduction

Nagar Nigam Jaipur Heritage (NNJH), vide its letter number F28()/Engg/XEN-HMAZ/JMC(H)/24-25/ dated March 5, 2025 (through email) has appointed CSIR National Environmental Engineering Research Institute (CSIR-NEERI), Nagpur as an Expert Agency in the matter of "Comprehensive Report on immediate measures to be taken for stopping pollution and long term measures for restoration and preservation of the Jalmahal lake, Jaipur". This was in compliance of the order of Hon'ble Supreme Court of India, Civil Appeal No (s) 6469/2024 order dated 28/02/2025 and 24/03/2025.

Director, CSIR-NEERI, had appointed Dr. Nitin Goyal (Principal Scientist) to visit the site and submit the observations.

2. Site Inspection

The first site visit was conducted on March 18, 2025 and the second visit was conducted on April 25, 2025 in consultation with the local authority (NNJH). A team of several members including Additional Chief Engineer and Superintending Engineers from NNJH and Dr Nitin Goyal (NEERI) were present during the site visit. The following was observed at Jal Mahal Lake, Jaipur:



Part A - First Inspection

- During the initial inspection, along the periphery of the front portion of lake (promenade) which is also the most visited tourist area, it was observed that 'Grey water' (probably sewage) was entering the Jal Mahal Lake from two storm water drains (please refer photographs in Figure 1 and 2). The same was noted by the NNJH team for necessary action to stop the flow of 'grey water' immediately in the lake.
- At several spots during the initial inspection, along the lake, random debris were seen lying (including clothes, idols for immersion in lake, wooden photo frames, and miscellaneous items).
- The local vendors were selling 'flour balls' as 'fish-feed' to the people visiting the lake. It was observed that a sizeable quantity of such 'fish-feed' was being thrown in the lake. This leads to the addition of biodegradable organic matter to the lake and needs further investigation.





Figure 1: 'Grey water' entering the Jal Mahal Lake from Drain



Figure 2: 'Grey water' entering the Jal Mahal Lake from Drain

- The visit to other side of the lake which has entry near the Sankat Mochan Hanuman Temple (Alwar Jaipur road), revealed that a lot of plastic and debris are lying in the area. There is also a drain named “Nagtalai Nala” which flows very close to the boundary of the lake (please refer photographs in Figure 3 and 4). There is a probability that the drain discharge and lake water, which overflow during the rainy season, may mix into each other at this location.
- Several vendors were selling miscellaneous items at the Jal Mahal promenade which leads to generation of plastic as well as solid waste.





Figure 3: View of the Jal Mahal Lake and Nagtalai Nala from the entry towards Alwar Jaipur road



Figure 4: View of the Jal Mahal Lake and Nagtalai Nala from the entry towards Alwar Jaipur road



Part B - Second Inspection

Dr. Nitin Goyal from CSIR NEERI visited Jal Mahal to conduct survey on the following points as directed by Hon'ble Supreme Court, as per the order dated 24-03-2025. A team of NNJH officials were present during the visit.

As per the order, CSIR-NEERI was instructed to conduct a site inspection through its designated officers. The purpose of the visit was to assess and document the measures undertaken by the appellant to:

- (i) stop the discharge of sewage into natural drains,
- (ii) prevent the dumping of waste into the lake, and
- (iii) regulate market-related activities in the vicinity.

Point wise observations:**1) Stop the discharge of sewage into natural drains**

- The 'Grey water' (probably sewage) was found to enter the Jal Mahal lake at same two locations as observed during the first visit (please refer photographs in the Figure 5 and 6).
- The officials have started action to divert this 'grey water' flow from the storm water drain leading to Jal Mahal Lake to the main sewage line.





Figure 5: 'Grey water' entering the Jal Mahal Lake from Drain



Figure 6: 'Grey water' entering the Jal Mahal Lake from Drain

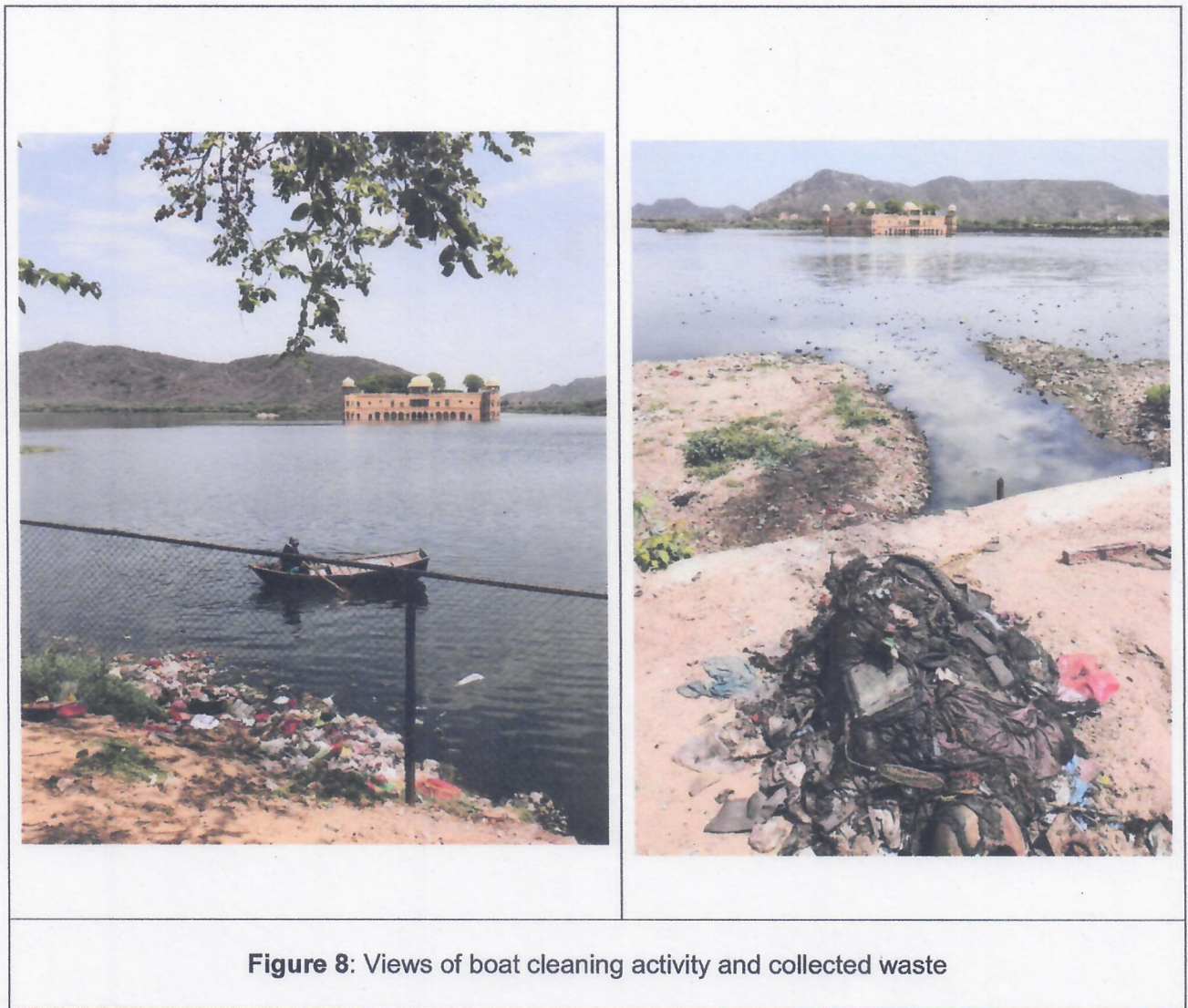
2) Prevent the dumping of waste into the lake

- The waste was primarily being generated by commercial activities of vendors and allied tourist activities. The waste was being thrown carelessly into the lake by the public.
- Sufficient numbers of waste bins have been provided along the promenade to enable waste collection and several guards have been deployed at the Jal Mahal promenade by NNJH to maintain the area as no-vending zone and enforce cleanliness (please refer Figure 7).
- The floating material from the lake is also being removed with the help of cleaners riding on a boat (please refer Figure 8).





Figure 7: Views of Jal Mahal promenade during daytime



3) Regulate market-related activities in the vicinity

- The area has been declared as a no-vending zone as per a 'public notice' dated 19-03-2025 (Please refer Figure 9).
- During the present visit, it was observed that the 'Annapurna Rasoi' has been shifted elsewhere (please refer figure 10).
- The night market has been stopped but some vendors were found to be in the promenade during night hours (please refer figure 11).



कार्यालय नगर निगम जयपुर हैरिटेज
हवामहल के पास, बड़ी चौपड़, जयपुर, राजस्थान-302002



कार्यालय :- एफ-12()ननिज हैरिटेज / DAY-NULM / 2025 / 683

दिनांक: 19/3/25

सार्वजनिक-सूचना
नो वेण्डिंग जोन

सर्वसाधारण को सूचित किया जाता है, कि माननीय सर्वोच्च न्यायालय के सिविल अपील क्रमांक: 6469/2024 उनवान नगर निगम हैरिटेज जयपुर व अन्य बनाम राजेन्द्र तिवारी व अन्य के आदेश दिनांक 28.02.2025 की पालना में जलमहल झील के आस-पास किसी भी प्रकार की वेण्डिंग गतिविधि या विभिन्न समय पर लगाये जाने वाले बाजार की अनुमति निषेध है। अतः किसी व्यक्ति या संस्था द्वारा आदेशों की अवहेलना किये जाने पर उनके विरुद्ध राजस्थान नगरपालिका अधिनियम 2009 के प्रावधानों के अन्तर्गत दण्डात्मक कार्यवाही अमल में लाई जा सकेगी।

(अरुण कुमार हसीजा)
I.A.S

आयुक्त
नगर निगम जयपुर हैरिटेज

प्रतिलिपि :-

1. निजी सहायक, श्रीमान् निदेशक एवं संयुक्त शासन सचिव महोदय, स्वायत्त शासन विभाग राज0 सरकार।
2. निजी सहायक, माननीय महापौर महोदय, नगर निगम जयपुर हैरिटेज।
3. उपायुक्त (सतर्कता), नगर निगम जयपुर हैरिटेज।
4. अधिशाही अभियंता (मुख्यालय), जलमहल झील के आस-पास नोन-वेण्डिंग जोन के बोर्ड लगवाए जाकर अवगत करावें।
5. जन-सम्पर्क अधिकारी को भेजकर लेख है, कि उक्त सार्वजनिक विज्ञापित का प्रकाशन आगामी अंक में राजस्थान पत्रिका/दैनिक भास्कर समाचार पत्र के जयपुर संस्करण में करवावे, एवं इसकी एक प्रति इस कार्यालय को भी उपलब्ध करावें।
6. समस्त सदस्य, टाउन वेडिंग कमेटी, नगर निगम जयपुर हैरिटेज।
7. सुरक्षित पत्रावली।

Signature valid



Digitally signed by Arun Kumar
Hसीजा नगर निगम जयपुर हैरिटेज
Designation : Commissioner
Date: 2025.03.19 12:52:34 IST
Reason: Approved

RajKaj Ref No.: 14148556

Figure 9: Public Notice banning commercial activities on Jal Mahal Promenade





Figure 10: View of 'Annapurna Rasoi'

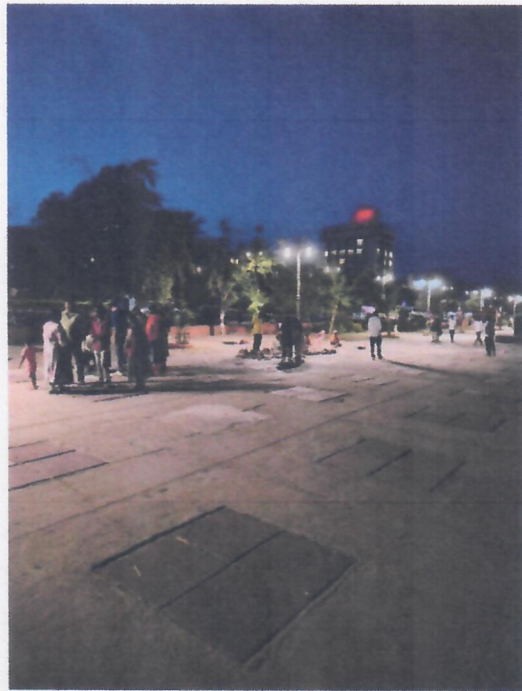
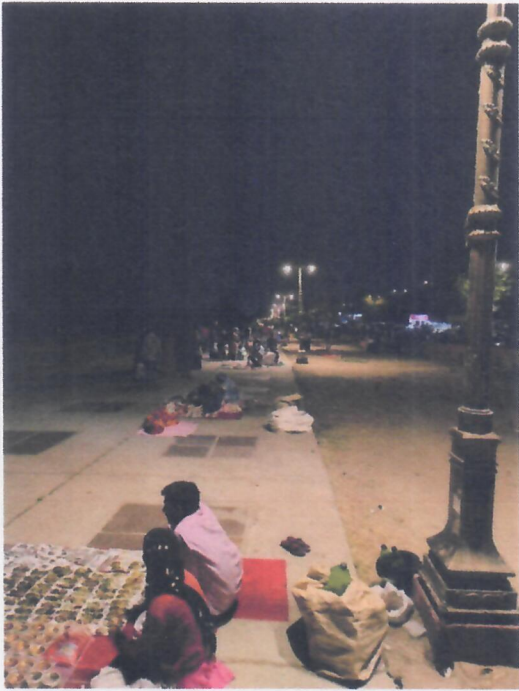


Figure 11: Views of promenade during night hours



Immediate measures to be taken for stopping pollution in the Jal Mahal Lake:

- The grey water (probably sewage) flowing in the lake, from the storm water drains which could be identified during the site visits, needs be restricted immediately and proper measures should be taken to ensure no further flow of such waters in the lake.
- Solid waste management in the whole area surrounding the lake is hereby proposed, in order to restrict unwanted dumping of any kind of waste in the lake.
- The sale of fish-feed and throwing of such organic matter in the lake may be restricted until a study is conducted to ascertain the impact of such activity.
- Literature review from several sources and studies conducted by various organizations including MNIT Jaipur reveal that huge quantity of organic matter is added during the first flush from the storm water which drains in the Jal Mahal lake. (The storm water containing this high initial pollutant load is called the 'first flush') Studies have reported that the areas surrounding the lake have dumping places for animal dung and the same is discharged in the lake during the rainy season wherein maximum quantity is contributed by 'first flush' and the contribution continues until fifth/sixth flush. It is therefore proposed that all surrounding areas, which fall under the watershed of the lake, be cleaned of such organic waste before the onset of rainy season.
- A comprehensive study is being proposed by CSIR-NEERI to understand the causes of pollution in the context of Jal Mahal Lake and possible solutions to ensure restoration of the lake. The proposal shall be submitted in due course of time to NNJH.



References:

- Gupta, A.B., Tushali Jagwani, Prakash Vijayvargia and Aakanksha Rampuria, (2010). Importance of first flush in restoration of lake water quality: a case study of Mansagar Lake, J Hydrological research and development, 2553-61.
- Gupta, A. B., Jain, R., & Gupta, K. (1999). Water quality management for the Talkatora Lake, Jaipur – a case study. Water Science and Technology, 40(2), 29–33.
- Final Report on Prevention and Control of Pollution in River Chambal and Banas: An Action Plan for River Rejuvenation (Submitted in Compliance to Hon'ble National Green Tribunals (NGT) Order dated 20/09/2018), Department of Civil Engineering, Malaviya National Institute of Technology, Jaipur, December 2018.

