

BEFORE THE NATIONAL GREEN TRIBUNAL, PRINCIPAL BENCH

NEW DELHI

ORIGINAL APPLICATION NO. 350 OF 2024

IN THE MATTER OF

Amit Kumar & Anr. ....Applicants

VERSUS

Union of India & Ors. ....Respondents

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**04.09.2025**

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Filed by:

Applicant

Amit Kumar

Phone: +91 9050487878

Email: amit0123.ac@gmail.com

Dated: 04.09.2025

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**ADDITIONAL SUBMISSION BY APPLICANT DATED 04.09.2025**

MOST RESPECTFULLY SHOWETH:

1. That the above-captioned Original Application (OA) has been preferred before this Hon'ble Tribunal concerning the degradation of the Kasawati/Krishnawati River due to illegal mining/stone-crushing activities and environmental encroachments in both the Neem Ka Thana district of Rajasthan and the Mahendragarh district of Haryana.
2. That the applicant hereby place on record the water sample report of Kasawati river a few metres after the stone crushers operating in and around the riverbed of Kasawati River in Neem Ka Thana, Rajasthan.
3. Hence, the applicant respectfully prays that this Hon'ble Tribunal kindly take the applicant's submission on record which may be relied upon during the course of hearing.

Filed by:

Applicant



Amit Kumar

Phone: +91 9050487878

Email: amit0123.ac@gmail.com

Dated: 04.09.2025



## Interstellar Testing Centre Pvt. Ltd.

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TC-14896

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### TEST REPORT

Report No. : TR01EN-2504150500  
ULR No. : TC1489625000009847F

#### Issued To :

National Alliance for Climate and Ecological Justice (NACEJ)

Delhi  
Delhi, 110016  
Delhi, Ind

Sample Registration No. : SR01EN-2503291469	Received On : 29-03-2025
Sample Name : Water Sample (Marked River Water)	Commenced On : 29-03-2025
Sample Condition : Good	Completed On : 11-04-2025
<b>Sample Details (if any)</b>	Date of Report : 15-04-2025
Sample Quantity : 10 Ltr	
Packaging Mode : Packed in can	
Batch No./QR Code : Sample from Kasawati River in Neem Ka Thana Area in Sikar District	Grade : NA
Date of Manufacture : NA	Date of Expiry : NA
Sample Submission Type : Sampled by Lab Rep /Ravi Kumar	
Customer Reference : TRF/27/03/2025	
Any Other Information : Sample Collected by lab rep. Mr. Ravi on 27.03.2025	
Test Report as per : IS 10500:2012	With Amendment No.(s) : 01 to 04

**Description:** Clear colourless liquid

S. No.	Parameter	Measuring Unit	Instrument	Method	Result	Acceptable Limit	Permissible Limit
<b>Discipline : Chemical</b>							
<b>Group : Water</b>							
<b>(I) Parameters Concerning Toxic Substances</b>							
1	Cyanide(asCN)	mg/L	UV-Spectrophotometer	IS 3025 (Part-27/Sec 1): 2021	BLQ(LOQ:0.01)	0.05 Max.	No Relaxation
2	Cadmium(as Cd)	mg/l	ICPMS	IS 3025 (Part 65) : 2022	BLQ(LOQ:0.002)	0.003 Max.	No Relaxation
3	Lead(as Pb)	mg/l	ICPMS	IS 3025 (Part 65) : 2022	BLQ(LOQ:0.002)	0.01 Max.	No Relaxation
4	Mercury(as Hg)	mg/l	ICPMS	IS 3025 (Part 65) : 2022	0.001	0.001 Max.	No Relaxation
5	Molybdenum(as Mo)	mg/l	ICPMS	IS 3025 (Part 65) : 2022	0.012	0.07 Max.	No Relaxation
6	Nickel(as Ni)	mg/l	ICPMS	IS 3025 (Part 65) : 2022	0.007	0.02 Max.	No Relaxation
7	Total Arsenic( as As)	mg/l	ICPMS	IS 3025 (Part 65) : 2022	0.003	0.01 Max.	No relaxation
8	Total Chromium(as Cr)	mg/l	ICPMS	IS 3025 (Part 65) : 2022	BLQ(LOQ:0.002)	0.05 Max.	No Relaxation

Authorized Signatory(Microbiology)

Name : Deepika Heera

Discipline : Biological

Date : 15/04/2025

Authorised by

Name : Vikrant Saini

Discipline : Chemical

Date : 15/04/2025

Disclaimer :

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9	Polychlorinated biphenyls(as PCB)	mg/l	GCMSMS	STP/ITC/EW/030	BLQ(LOQ:0.00001)	0.0005 Max.	No relaxation
10	Polynuclear aromatic hydrocarbons (as PAH)	mg/l	GCMSMS	STP/ITC/EW/030	BLQ(LOQ:0.00001)	0.0001 max.	No Relaxation
11	Uranium	mg/l	ICPMS	IS 3025 (Part 65) : 2022	0.039	0.03 Max.	No relaxation
<b>(II) Organoleptic &amp; Physical Parameter</b>							
1	pH Value	NA	pH Meter	IS: 3025 (Part-11): 2022	7.43	6.5-8.5	No relaxation
2	Odour	NA	Organoleptic	IS: 3025 (P-5)-2018	Agreeable	Agreeable	Agreeable
3	Turbidity	NTU	Turbidity Meter	IS 3025(Part-10): 2023	92	1 Max.	5 Max.
4	Taste	NA	Organoleptic	IS 3025(Part-8): 2023	*	Agreeable	Agreeable
5	Total Dissolved Solids	mg/l	Gravimetric	IS: 3025 (P-16): 2023	2814	500 Max.	2000 Max.
6	Colour (True Colour)	Hazen	Visual Examination	IS 3025 (Part 4) : 2021	20	5 Max.	15 Max.
<b>(III) Parameters Concerning Undesirable Substances in excess amount</b>							
1	Aluminium(as Al)	mg/l	ICPMS	IS 3025 (Part 65) : 2022	0.109	0.03 Max.	0.2 Max.
2	Ammonia(as total ammonia-N)	mg/l	UV-Spectrophotometer	IS:3025 (Part 34):Sec-1:2023	6.4	0.5 Max.	No Relaxation
3	Barium(as Ba)	mg/l	ICPMS	IS 3025 (Part 65) : 2022	0.070	0.7 Max.	No relaxation
4	Boron(as B)	mg/l	ICPMS	IS 3025 (Part 65) : 2022	0.656	0.5 Max.	2.4 Max.
5	Calcium(as Ca)	mg/l	Titration	IS: 3025 (Part 40):2024	138	75 Max.	200 Max.
6	Chloramines(as Cl <sub>2</sub> )	mg/l	Titration	IS: 3025 (P-26): 2021	BLQ(LOQ:0.03)	4.0 Max.	No relaxation
7	Chloride(as Cl)	mg/l	Titration	IS: 3025 (P-32)-1988 (RA2019)	485	250 Max.	1000 Max.
8	Copper(as Cu)	mg/l	ICPMS	IS 3025 (Part 65) : 2022	0.003	0.05 Max.	1.5 Max.
9	Fluoride(as F)	mg/l	Visual Examination	IS: 3025 (P-60)-2008 (RA 2019)	0.9	1.0 Max.	1.5 Max.
10	Free Residual Chlorine	mg/l	Titration	IS: 3025 (P-26): 2021	Not Applicable	0.2 Min.	1.0 Max.
11	Magnesium(as Mg)	mg/l	By Calculation	IS 3025 (Part 46): 2023	94.5	30 Max.	100 Max.

**Authorized Signatory(Microbiology)**

Name : Deepika Heera

Discipline : Biological

Date : 15/04/2025

**Authorised by**

Name : Vikrant Saini

Discipline : Chemical

Date : 15/04/2025

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12	Manganese(as Mn)	mg/l	ICPMS	IS 3025 (Part 65) : 2022	0.265	0.1 Max.	0.3 Max.
13	Mineral Oil	mg/l	FTIR	IS: 3025 (Part 39)-2021	BLQ(LOQ:1.0)	1.0 Max.	No Relaxation
14	Nitrate(as NO <sub>3</sub> )	mg/l	UV-Spectrophotometer	APHA 24th Edition 2023, 4500 NO <sub>3</sub> , B	BLQ(LOQ:1.0)	45 Max.	No Relaxation
15	Phenolic compounds(as C <sub>6</sub> H <sub>5</sub> OH)	mg/l	UV-Spectrophotometer	IS: 3025 (P-43/Sec-1)-2022	BLQ(LOQ:0.001)	0.001 Max.	0.002 Max.
16	Selenium(as Se)	mg/l	ICPMS	IS 3025 (Part 65) : 2022	BLQ(LOQ:0.002)	0.01 Max.	No Relaxation
17	Silver(as Ag)	mg/l	ICPMS	IS 3025 (Part 65) : 2022	BLQ(LOQ:0.002)	0.1 Max.	No Relaxation
18	Sulphate(as SO <sub>4</sub> )	mg/l	UV-Spectrophotometer	IS : 3025 (Part 24): Sec1:2022	264	200 Max.	400 Max.
19	Sulphide(as H <sub>2</sub> S)	mg/l	Titration	IS: 3025 (P-29): 2022	BLQ(LOQ:0.05)	0.05 Max.	No Relaxation
20	Total Hardness(as CaCO <sub>3</sub> )	mg/l	Titration	IS: 3025 (Part 21)-2009 (RA 2019)	734	200 Max.	600 Max.
21	Zinc(as Zn)	mg/l	ICPMS	IS 3025 (Part 65) : 2022	BLQ(LOQ:0.002)	5 Max.	15 Max.
22	Total Alkalinity(as CaCO <sub>3</sub> )	mg/l	Titration	IS 3025(Part-23): 2023	226	200 Max.	600 Max.
23	Anionic detergent(as MBAS)	mg/L	UV-Spectrophotometer	IS 3025 (P-68):2019	BLQ(LOQ:0.05)	0.2 Max.	1.0 Max.
24	Iron(as Fe)	mg/l	ICPMS	IS 3025 (Part 65) : 2022	0.119	1.0 Max.	No relaxation
<b>(IV)</b>	<b>Pesticide Residues</b>						
1	Alachlor	µg/l	GCMSMS	STP/ITC/EW/029	BLQ(LOQ:0.01)	20 Max.	No Relaxation
2	Butachlor	µg/l	GCMSMS	STP/ITC/EW/029	BLQ(LOQ:0.01)	125 Max.	No Relaxation
3	Chlorpyriphos	µg/l	GCMSMS	STP/ITC/EW/029	BLQ(LOQ:0.01)	30 Max.	No Relaxation
4	2,4-Dichlorophenoxyacetic acid	µg/l	LCMSMS	STP/ITC/EW/029	BLQ(LOQ:0.01)	30 Max.	No Relaxation
5	Isoproturon	µg/l	LCMSMS	STP/ITC/EW/029	BLQ(LOQ:0.01)	9 Max.	No Relaxation
6	Ethion	µg/l	GCMSMS	STP/ITC/EW/029	BLQ(LOQ:0.01)	3 Max.	No Relaxation
7	Monocrotophos	µg/l	LCMSMS	STP/ITC/EW/029	BLQ(LOQ:0.01)	1 Max.	No Relaxation

**Authorized Signatory(Microbiology)**

Name : Deepika Heera

Discipline : Biological

Date : 15/04/2025

**Authorised by**

Name : Vikrant Saini

Discipline : Chemical

Date : 15/04/2025

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8	Phorate	µg/l	GCMSMS	STP/ITC/EW/029	BLQ(LOQ:0.01)	2 Max.	No Relaxation
9	Alpha HCH	µg/l	GCMSMS	STP/ITC/EW/029	BLQ(LOQ:0.01)	0.01 Max	No Relaxation
10	Beta HCH	µg/l	GCMSMS	STP/ITC/EW/029	BLQ(LOQ:0.01)	0.04 Max.	No Relaxation
11	Delta HCH	µg/l	GCMSMS	STP/ITC/EW/029	BLQ(LOQ:0.01)	0.04 Max.	No Relaxation
12	DDT(op and pp-isomers of DDTDDE and DDD)	µg/l	GCMSMS	STP/ITC/EW/029	BLQ(LOQ:0.01)	1 Max.	No Relaxation
13	Endosulfan(alpha,beta and sulphate)	µg/l	GCMSMS	STP/ITC/EW/029	BLQ(LOQ:0.01)	0.4 Max.	No Relaxation
14	Atrazine	µg/l	GCMSMS	STP/ITC/EW/029	BLQ(LOQ:0.01)	2 Max.	No Relaxation
15	Aldrin & Dieldrin	µg/l	GCMSMS	STP/ITC/EW/029	BLQ(LOQ:0.01)	0.03 Max.	No Relaxation
16	Malathion	µg/l	GCMSMS	STP/ITC/EW/029	BLQ(LOQ:0.01)	190 max.	No Relaxation
17	Gamma-HCH(Lindane)	µg/l	GCMSMS	STP/ITC/EW/029	BLQ(LOQ:0.01)	2 Max.	No Relaxation
18	Methyl Parathion	µg/l	GCMSMS	STP/ITC/EW/029	BLQ(LOQ:0.01)	0.3 Max.	No Relaxation
(V)	<b>TriHalomethanes</b>						
1	Bromoform	mg/l	GC-ECD	STP/ITC/EW/045	BLQ(LOQ:0.005)	0.1 Max.	No relaxation
2	Dibromochloromethane	mg/l	GC-ECD	STP/ITC/EW/045	BLQ(LOQ:0.005)	0.1 Max.	No Relaxation
3	Bromodichloromethane	mg/l	GC-ECD	STP/ITC/EW/045	BLQ(LOQ:0.005)	0.06 max.	No Relaxation
4	Chloroform	mg/l	GC-ECD	STP/ITC/EW/045	BLQ(LOQ:0.005)	0.2 max	No Relaxation
	<b>Discipline : Biological</b>						
	<b>Group : Water</b>						
(VI)	<b>Microbiological Tests</b>						
1	<i>E.coli</i>	Per 100ml	Microbiological	IS 15185: 2016	Absent/100ml	Shall not be detectable in any 100 ml sample	No Relaxation
2	<i>Total Coliform</i>	Per 100ml	Microbiological	IS 15185: 2016	Absent/100ml	Shall not be detectable in any 100	No Relaxation

**Authorized Signatory(Microbiology)**

Name : Deepika Heera

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Name : Vikrant Saini

Discipline : Chemical

Date : 15/04/2025

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### TEST REPORT

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							ml sample	
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**NOTE** : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Sampling Procedure: SOP/ITC/EW/030, \*:- Test not performed, because sample is not safe for ingestion.

**REMARKS** : The above sample does not comply to IS 10500 : 2012 drinking water specification with respect to the above tested Parameters

\*\*\*\*\***End of Report**\*\*\*\*\*

**Authorized Signatory(Microbiology)**

**Name** : Deepika Heera

**Discipline** : Biological

**Date** : 15/04/2025

**Authorised by**

**Name** : Vikrant Saini

**Discipline** : Chemical

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