1706

BEFORE THE HON'BLE NATIONAL GREEN TRIBUNAL

PRINCIPAL BENCH: NEW DELHI

ORIGINAL APPLICATION NO. 231/2014 & 66/2015

IN THE MATTER OF

DOABA PARYAVARAN SAMITI .....**PETITIONER(S)**

VERSUS

UPPCB & ORS .....**RESPONDENT(S)**

NDOH- 12/7/2018

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(R.M. BHARDWAJ)
SCIENTIST 'E' & I/c WQM-I
THROUGH

(LEGAL COUNSEL)

PLACE:- DELHI
DATED: 6.07.2018

1707

BEFORE THE HON'BLE NATIONAL GREEN TRIBUNAL
PRINCIPAL BENCH: NEW DELHI

ORIGINAL APPLICATION NO. 231/2014 & 66/2015

IN THE MATTER OF

DOABA PARYAVARAN SAMITI .....**PETITIONER(S)**

VERSUS

UTTAR PRADESH POLLUTION CONTROL BOARD & ORS.

..... **RESPONDENT(S)**

AFFIDAVIT FILING COMPREHENSIVE REPORT ON PREVENTION AND CONTROL OF POLLUTION IN RIVER HINDON: AN ACTION PLAN FOR REJUVENATION BY CENTRAL POLLUTION CONTROL BOARD (CPCB), PARIVESH BHAWAN, EAST ARJUN NAGAR, DELHI-110032 IN COMPLIANCE TO THE HON'BLE NATIONAL GREEN TRIBUNAL ORDER DATED JANUARY 16, 2018, MARCH 19, 2018 AND MAY 03, 2018

I, R.M. Bhardwaj, S/o Shri B.D. Bhardwaj, Scientist 'E' & Divisional Head, WQM-I, Central Pollution Control Board (CPCB), Parivesh Bhawan, East Arjun Nagar, Delhi-110 032 do hereby solemnly affirm and declare as under:

1 That I, in the capacity of Scientist 'E' & Divisional Head WQM-I, am fully conversant with the facts of the case and competent and authorised to swear this affidavit.

2 That the Hon'ble National Green Tribunal (NGT) in the matter of O.A. No. 231/2014 & O.A. No. 66/2015 filed by Doaba Paryavaran Samiti Vs State of Uttar Pradesh & Otrs, passed order on 16.01.2018 and main portion of the Hon'ble NGT order dated 16.01.2018 **(Annexure-I)** which is reproduced as follows:

- *It is necessary to have a complete survey of all the industries in the catchment of river Hindon and its tributaries lying in the six districts Viz., a) Saharanpur; b) Ghaziabad; c) Samli; d) Meerut; e) Muzaffarnagar and f) Bagpat in order to crystallize the role of each industry in contributing the contaminants to surface and groundwater.*

➢ *We have already constituted a Committee of Central Pollution Control Board, Uttar Pradesh Pollution Control Board and Uttar Pradesh Jal Nigam to carry out survey as per the directions dated 05th November, 2015. We have yet to get feedback from the said Committee. We add one member to the said Committee i.e. Dr. A.B. Akolkar, Ex-Member Secretary of Central Pollution Control Board who has good experience in dealing with such matters.*

We therefore pass the following directions:-

1. *The Committee so constituted comprising of Central Pollution Control Board (CPCB), Uttar Pradesh Pollution Control Board (UPPCB), Uttar Pradesh Jal Nigam (UPJN) and Dr.A.B. Akolkar, Ex-Member Secretary, Central Pollution Control Board as its members shall carry out intensive survey of surface i.e. river Kali, river Hindon and river Krishni and other small rivulets and drains meeting Hindon river and groundwater in the said area.*

2. *They shall collect samples, cause analysis to be made of such samples at Central Pollution Control Board Laboratory.*

3. *They shall carry out joint inspections of 316 industries which are listed in the report dated 29th October, 2015 (Page 230, Volume I-A, Original Application No. 66 of 2015) and others as well to give answers to the queries already made and ascertain contribution of each of the industries in terms of the contaminants generated by them.*

4. *The Central Pollution Control Board and Uttar Pradesh Pollution Control Board shall bear the expenses of the said inspection team in terms of the order passed on 20th April, 2017 in Samir Mehta Vs Union of India & Ors.. The inspection shall be completed and report shall be submitted to the Tribunal within two months.*

5. *The Central Pollution Control Board shall be convener of the team. In case of any difficulty the Central Pollution Control Board may approach the Tribunal.*

6. *Necessary Police Protection shall be given to the Joint Inspection Team and/or its members for the purposes of execution of this order.*

Subsequently, Hon'ble National Green Tribunal (NGT) further heard the matter on March 19, 2018 and May 03, 2018 and passed an order on 19.03.2018 **(Annexure-II)** and 03.05.2018 **(Annexure-III)** and on 03.05.2018 Hon'ble NGT directed Central Pollution Control Board which is reproduced as follows:

'Mr. Rajkumar learned counsel for Central Pollution Control Board submits that out of the 1166 samples collected, 50% of which have been analysed and would require further six weeks' time to complete analysis of the remaining samples. In view of this submission, we grant the requested period of time for submission of analysis report'

Next date of hearing on the matter is 12th July, 2018

3. That in pursuance to the Hon'ble NGT order dated 03.05.2018, Central Pollution Control Board co-ordinated with the concerned authorities and initiated the following actions as detailed below:-

(i) That the Central Pollution Control Board (CPCB) convened a meeting in CPCB on 16.02.2018 with the Officials of U.P Pollution Control Board (UPPCB), U.P Jal Nigam (UPJN) and discussed issues relating to the follow-up actions to be taken for ensuring compliance to Hon'ble NGT Order dated 16.01.2018.

(ii) That the Central Pollution Control Board (CPCB) has constituted 52 no. of Joint Inspection Teams (i.e., Final No. of Joint Inspection Teams participated in the Inspection of industries and also involved in collection of ground water samples in the catchment area of River Hindon) vide CPCB Office Orders No. A-14011/1/2018-MON/2635 dated 23.02.2018 & 26.03.2018 to carry out joint Inspection of 316 Industries located in the six districts as directed by Hon'ble NGT (PB).

(iii) That CPCB also held interactions with the Joint Inspection Team leaders on 27.02.2018 in CPCB so as to give necessary instructions for inspection of industries as well as collection of samples from the industrial effluents or ground water samples and also circulated requisite materials with regard to the procedures to be followed for preservation of collected industrial effluents as well as ground water samples for further analysis in CPCB laboratories.

(iv) That subsequent to the meeting held with the Officials of UPPCB, UP Jal Nigam and U.P. Agricultural Department, CPCB also requested UPPCB and U.P. Jal Nigam to nominate concerned officials to associate with the Joint Inspection Teams for the purpose of completion of joint inspections of 316 industries located in U.P as well as collection of ground water samples in the respective areas, vide CPCB letters dated 23/02/2018.

(v) That the Joint Inspection Teams comprising representatives of CPCB, U.P. Jal Nigam and U.P.PCB officials inspected 317 no. of industries (increase in one number of industry as one unit is having secondary unit namely M/s.Silverstone (Unit-II), Bhopa Road, Muzaffarnagar).during March 05 - April 26, 2018 (i.e., actual date of inspections) and the visited teams also collected ground water samples from 168 no. of locations either from industry premises or from nearby village in the vicinity of the industries inspected i.e., ground water samples collected from 72 no. of sampling locations within industry premises and 96 no. of ground water sampling locations are outside industry premises or hand pumps located in villages close to the inspected industries. About 545 no. of ground water samples were collected from 168 no. of ground water sampling locations. The ground water samples collected from afore-said locations were analysed for parameters such as Sulphates (SO_4), Fluoride (F) and Oil & Grease (O & G) as well as heavy metals such as Cadmium (Cd), Copper (Cu), Lead (Pb), Iron (Fe), Nickel (Ni), Zinc (Zn), Mercury (Hg) and Manganese (Mn) in CPCB Laboratories.

- Analysis results of the ground water samples collected from 168 no. of sampling locations in U.P. State reveals that the samples w.r to Sulphate (SO_4^-), Fluoride (F), heavy metals such as Cadmium (Cd), Copper (Cu), Lead (Pb), Iron (Fe), Nickel (Ni), Zinc (Zn), Manganese (Mn), Mercury (Hg), O & G and Total Chromium (Cr) are in the order of 2 to 230 mg/l, 0.1 to 2.5 mg/l, 0.002 to 0.74 mg/l, 0.003 to 1.25 mg/l, 0.013 to 1.74 mg/l, 0.002 to 21.81 mg/l, 0.003 to 0.02 mg/l, 0.002 to 9.12 mg/l, 0.002 to 1.03 mg/l, 1 to 2.16 mg/l, BDL to 10 mg/l and 0.002 to 0.26 mg/l respectively.

- Based on the analysis results of the ground water samples, it was observed that there is no contamination at 75 out of 168 ground water sampling locations (i.e. 38 locations within industry premises and 37 outside industry premises) whereas 93 groundwater sampling locations are contaminated with one or more parameters such as sulphate,

fluoride, heavy metals such as cadmium, copper, lead, iron, nickel, zinc, mercury, Total chromium and manganese.

- Sulphate content in ground water samples is exceeding the acceptable limit (200 mg/l) of Bureau of Indian Standard drinking water specifications (second revision) IS10500-2012 at 5 no. of locations (i.e., in G.Noida (01), Muzaffarnagar (01), Saharanpur (01) and Ghaziabad (2 locations). Fluoride content in groundwater samples is exceeding the limit of 1.0 mg/l at 11 no. of locations (Bagpat (01), G.Noida (02), Meerut (01) and Ghaziabad (07), and O & G is exceeding only at one location Ghaziabad (i.e., ≥ BDL i.e., 2 mg/l).

- Heavy metals such as cadmium, copper, lead, iron, nickel, zinc, mercury and manganese are exceeding the Bureau of Indian Standard drinking water specifications (second revision) IS10500-2012 w.r.to the acceptable limits at 4, 5, 14, 33, nil, 04, 39 and 13 no. of locations respectively.

(vi) That in compliance to the Hon'ble NGT (PB) order dated 16.01.2018, during March 08-09, 2018, on April 11, 2018 and on April 13, 2018, officials comprising Central Pollution Control Board (CPCB), Dr.A.B.Akolkar, Expert Committee Member appointed by Hon'ble NGT(PB) also collected 67 no. of samples from 05 no. of river water mainly from River Hindon (5 No of locations), River Krishni (01 location), River Kali (West) (2 no. of locations), River Sheela and River Yamuna (each at one location) after confluence of River Hindon as well as 06 no. of drains namely Khareda Drain, Indirapuram Drain, Hindon Vihar, Pratap Vihar, Khaila Bhatta and Kot Escape. To study the impact on river Hindon, samples of 05 rivers as well as 06 drains were also collected at salient points mainly covering before and after confluence of River Sheela with River Kali (West), before and after confluence of river Kali (West) with River Hindon, before and after confluence of river Krishni with river Hindon, before and after confluence of 06 no. of drains with river Hindon and finally river Yamuna after confluence of River Hindon.

- Analysis results of the samples collected from 05 rivers reveals that the samples w.r to water quality criteria for bathing parameters such as dissolved oxygen (DO), bio-chemical oxygen demand (BOD) and Fecal Coliform (FC) in river Hindon & Kali (West) are in the order of 0 to 1.9 mg/l & 0 to 6.6 mg/l; 9-238 mg/l & 3-311 mg/l; 3300 – 9200000 & 3300

– 9200000 MPN/100 ml whereas in river Krishni, Sheela and Yamuna, the values of DO, BOD and FC are observed as nil, 7.4 & 0.6 mg/l; 34, 4 & 14 mg/l, 54000, 490 & 14,00,000 MPN/100 ml respectively.

- The analysis results of the samples collected from 06 drains reveals that the values of parameters such as pH, Total Dissolved Solids (TDS), BOD, Chemical Oxygen Demand (COD), Ammonia (NH_3-N), heavy metals such as Cadmium (Cd), Chromium (Cr), lead (Pb), Total chromium (Cr), Copper (Cu), Iron (Fe), Nickel (Ni), Lead (Pb) and Zinc (Zn) are in the order of 7.08 to 7.53, 264 to 2780 mg/l, 26 to 567 mg/l, 7 to 567 mg/l, 2.8 mg/l, 0.002 to 0.01 mg/l, 0.02 to 0.35 mg/l, 0.003 to 0.18 mg/l, 2.32 to 16.22 mg/l, 0.003 to 0.11 mg/l, 0.013 to 0.49 mg/l and 0.002 to 2.07 mg/l.

- The analysis results of the river Hindon, River Krishni, River Kali (West), River Sheela reveal that only river Kali (West) after confluence of river Sheela is complying with water quality criteria whereas the water samples collected from river Hindon, river Sheela, river Krishni and river Yamuna at D/s of Tilwara Village (or A/c of River Hindon with river Yamuna) are not complying to the water quality criteria for bathing

- The analysis results of 06 no. of drain (viz., Khareda Drain, Indirapuram Drain, Hindon Vihar Drain, Pratap Vihar Drain, Khaila Bhatta Drain, and Kot Escape Drain) samples when compared with Schedule-VI discharge standards for discharge into inland surface water reveal the following

  - All 06 drains are complying w.r.to the pH limit of 6.5 to 9.0;
  - Only Kot escape drain is complying to the limit of BOD (30 mg/l), COD (250 mg/l) and Iron content (3 mg/l) whereas remaining 05 drains are not complying to these parameters which indicates that these drains are having discharge of sewage as well as industrial effluents.
  - Drains namely Khareda Drain, Hindon Vihar Drain and Pratap Vihar Drain are not complying to the lead (Pb) content limit of 0.1 mg/l; and
  - All 06 no. of drains are complying to the limit of Total Chromium (2 mg/l); Copper (3 mg/l), Zn (5 mg/l), Ni (3 mg/l) and Cd (2 mg/l).

That the 317 industries inspected by the joint inspection teams are grouped and the industries mainly comprises of pesticides, sugar, distillery, pulp & paper, tannery/leather, thermal power plant, electroplating, slaughter house/meat processing, dairy/milk processing, textile and dyeing,

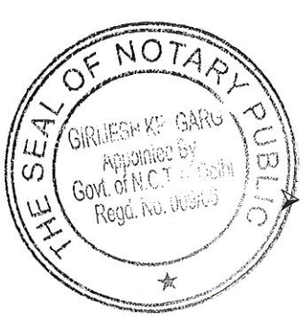
pharmaceutical/ayush, automobile, electrical & electronics, food processing, agro based and remaining grouped under other categories. Main observations of the Joint Inspection Teams are as follows:-

- Out of 317 industries inspected, 221 industries are observed to be operational, 37 industries are not operational (temporary shutdown/locked due to several reasons), 53 industries are observed to be closed, 02 industries are in operation partially and 04 industries does not exist at the addresses provided by the U.P. Pollution Control Board in the report submitted to Hon'ble NGT.

- Out of 317 industries, 173 industries are having Consents under Water (Prevention and Control of Pollution) Act, 1974 and Air (Prevention and Control of Pollution) Act, 1981, 79 industries granted Consents by UPPCB was observed to be expired. Similarly, Out of 317 industries, 97 industries are having valid Authorisation whereas 45 no. of industries authorisation granted under the Hazardous & Other Waste (Management & Transboundary Movement) Rules, 2016 as amended [H & OW (M & TM) Rules, 2016 as amended] expired.

- Most of the industries (252 industries) are extracting water mainly from tube wells /bore wells, 02 of industries are purchasing water through tankers, 01 industry is reported to be extracting water from Upper Ganga Canal. About 95,270 KLD of water is consumed by the 255 industries and about 65,646 KLD of wastewater is generated by 232 industries (based on the information provided by the industry or as reported by the Joint Inspection Teams).

- About 32 industries are disposing the generated wastewater through CETP, 154 industries are discharging either treated or partially treated waste water into nearby drain which ultimately joins in river Hindon, 06 industries are storing in lagoons within the premises, 49 industries are claiming to be reused within the industry premises whereas 53 industries are closed, no information is available from 08 no. of industries, 11 industries are dry process units and 04 units does not exist at the given address.



- Out of 317 industries, 221 industries are operational. 213 out of 221 no. of industries in operation have installed ETPs. Out of 213 industries installed ETPs, as observed during the visit by the teams, 195

industries were operating ETPs and 18 industries were not operating ETPs, but ETP found to be exists.

- The analysis results of the industrial effluent samples collected from the industries by the joint inspection teams reveal that 69 out of 195 industries are complying with the effluent discharge norms, 7 industries either adopted ZLD/Samples not taken by the visited teams and 119 industries are not complying to the effluent discharge norms.

(viii) That the 'Comprehensive Report on Prevention and Control of Pollution in River Hindon- Action Plan for Rejuvenation' has been prepared based on the observations made during the inspection of 317 industries, analysis results of the ground water samples collected by the Joints Inspection Teams in eight districts/areas in U.P and analysis results of river Hindon & Its tributaries as well as 06 no. of drains'.

It is pertinent to mention here that CPCB also held a meeting in CPCB on 28.06.2018 with the officials of UPPCB, U.P.Jal Nigam, U.P Agriculture Department, CGWB and the concerned Divisional Heads in CPCB and discussed about the findings. During the afore-said meeting, action plan for rejuvenation of river Hindon proposed to be filed before the Hon'ble NGT (PB) was also circulated and discussed.

CPCB also requested the officials attended the afore-said meeting for providing comments or views or suggestions if any by 02.07.2018. Minutes of the meeting held in CPCB on 28.06.2018 with the officials of UPPCB, UP Jal Nigam, U.P. Agriculture Department, CGWB is annexed as **Annexure – IV**.

Few comments received subsequent to the afore-said meeting were considered and same were incorporated and the finalised 'Comprehensive Report on Prevention and Control of Pollution in River Hindon-An Action Plan for Rejuvenation of River Hindon' is annexed as **Annexure-V**.

(ix) That the proposed action plan for rejuvenation of river Hindon which include short term and long term plans to be implemented by the concerned agencies are detailed in the following **Table 1** given below:-

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Table 1: Proposed Short Term and Long Term Action plan for Rejuvenation of River Hindon

Sl. No	Action plan for rejuvenation of river Hindon	Organisation/ Agency Responsible for Execution of the Action plan	Time Target
I.	**Industrial Pollution Control**		
	(a) Suggestions covered under Section 5.1 (i) to (ix) of the action plan for rejuvenation of river Hindon	UPPCB	Within three months
	(b) Inventorisation of the industries in the catchment area of River Hindon covering assessment on aspects relating to Status of Consents under Water & Air Acts and Authorisation, Effluent Generation, ETP capacities and final mode of effluent discharges	UPSIDC and UPPCB	Within three months
	(c) Actions against the Identified industries in operation without Consents under Water & Air Acts/Authorisation under the H & OW (M & TM) Rules, 2016 as amended	UPPCB/CPCB	Within three months
	(d) Action against the industries not installed ETPs or ETPs exist but not operating or ETP outlet or treated effluent is not complying to the effluent discharge standards or norms	UPPCB/CPCB	Within a month
	(e) Action against the red category industries for installation of OCEMS and not transferring data to CPCB and UPPCB	UPPCB	Within a month
	(f) Small scale/tiny and service providing units located in urban or semi-urban limits like Dairies, Auto Service Stations to have a minimum provision of O & G traps	UPPCB	Within a month
	(g) Prohibition of Burning of any kind of waste including agro-residues	State Govt./District and Local authorities	Within a month
	(h) Directions to all the Industries which are observed to be not in operation or closed or temporarily closed to remain close till further orders from CPCB.	CPCB	Within a month

Sl. No	Action plan for rejuvenation of river Hindon	Organisation/ Agency Responsible for Execution of the Action plan	Time Target
	(i) Estimation of industrial effluent generation and the existing CETP capacity and to arrive gap between the industrial effluent generation and the existing treatment capacity	UPSIDC and UPPCB	Within six months
	(j) Channelization of industrial effluents to CETPs for ensuring treatment to comply with the discharge standards	UPSIDC, and District /Local Administration	Within six months
	(h) Identification of suitable site within industrial estates, Execution and Commissioning of Adequate Capacity CETPs	State Government, UPSIDC, and District /Local Administration	Within two years
II.	**Sewage Treatment and Disposal Plan**		
	(a) District-wise estimation of total sewage generation, existing treatment capacities, quantum of disposal of sewage presently through drains and the gaps in sewage treatment capacity	State Government, U.P.Jal Nigam, District /Local Administration	Within three months
	(b) To undertake measurement of flow of all the drains presently contributing pollution load in river Hindon and to formulate detailed project report (DPR) for each drain and corresponding town and submission of DPR to NMCG	State Government/ U.P. Irrigation Department and U.P Jal Nigam	Within six months
	(c) Proper design, execution of STPs with full utilisation capacity	State Government, U.P Jal Nigam/Local Authorities under the supervision of the U.P.PCB	Within two years
	(d) Channelization including diversion of sewage generated from household/town ships/villages to sewer lines /interception of all the drains presently carrying sewage and for ensuring proper treatment through the upcoming STPs	State Government, U.P Jal Nigam/Local Authorities	Within one year after commissioning of STPs
	(e) Ensuring dairy/automobile service stations and Hotels/Restaurants particularly located on road-side should have a treatment	UPPCB and Local authorities	By 31.12.2018

Sl. No	Action plan for rejuvenation of river Hindon	Organisation/ Agency Responsible for Execution of the Action plan	Time Target
	system and levy of fine in case found violations		
III	**Ground water quality**		
	(a) Sealing of contaminated hand pumps and found to be unfit for drinking purpose by the public	State Government/U.P. Ground Water Department and U.P.Jal Nigam	Within two months
	(b) Supply of potable water to the affected communities in the identified critical blocks	UP Jal Nigam and U.P. Ground Water Department	
	(c) Carrying assessment of ground water survey for quality and to identify over exploited and critical blocks in the six districts of U.P.	CGWB/U.P.Ground Water Department	Within six months
	(d) To conduct periodic surprise inspection of the industry to rule out any forceful injection of industrial effluents into groundwater resources	UPPCB and U.P.Ground Water Department	Within three months
	(e) All the industry should be directed to obtain NOC from the CGWB and action against the Units in Operation without obtaining of NOC from CGWA	UPPCB, CGWB/ CGWA and U.P.Ground Water Department	Within three months
	(f) To ensure rain water harvesting by the industrial, commercial and other institutions and groundwater recharging with only clean water be encouraged by CGWB/CGWA (g)	CGWA/ U.P.Ground Water Department	Within three months
III	**Flood Plan Zone (FPZ)**		
	(a) Plantation in Flood Plain Zone (FPZ)	U.P. State Forest Department	By Next Monsoon
	(b) Checking encroachments in the FPZ of river Hindon	District/Local administration	Within three months
	(c) Prohibition of disposal of municipal plastic and bio-medical waste particularly in drains	Local administration	
	(d) Notification of Flood Plain Zone FPZ (e)	State Government	within six months

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Sl. No	Action plan for rejuvenation of river Hindon	Organisation/ Agency Responsible for Execution of the Action plan	Time Target
IV	**Environmental Flow (E-Flow) and Irrigation Practices**		
	(a) Measurement of flow of all the three rivers and records maintained	U.P.Jal Nigam/ U.P. Irrigation Department	Regularly
	(b) To conserve water and good irrigation practices to be adopted by the farmers by organising mass awareness programmes and through media in vernacular language	U.P.State Irrigation and Agriculture Departments.	Regularly

PRAYER

In view of the above facts indicated in earlier paras, comprehensive report comprising action plan for rejuvenation of river Hindon is submitted to the Hon'ble NGT for perusal and consideration. It is also respectfully prayed that this answering Respondent shall abide by any order or directions if any passed by this Hon'ble Tribunal.

DEPONENT

VERIFICATION

It is verified that the content of this reply affidavit which is based on official record and information available in the office are true and correct. Nothing has been concealed therein. Verified on this 3rd day of July 2018 at New Delhi.

- 6 JUL 2018

ATTESTED
NOTARY PUBLIC
Govt. of N.C.T., DELHI
- 6 JUL 2018

DEPONENT

Annexure-I

BEFORE THE NATIONAL GREEN TRIBUNAL,
PRINCIPAL BENCH, NEW DELHI

Original Application No. 231 of 2014
And
Original Application No. 66 of 2015
(M.A. Nos. 192/2015 & 193/2015)

IN THE MATTER OF:

Doaba Paryavaran Samiti Vs. State of U.P. & Ors.
And
Doaba Paryavaran Samiti Vs. State of U.P. & Ors.

CORAM: HON'BLE MR. JUSTICE U.D. SALVI, JUDICIAL MEMBER, ACTING CHAIRPERSON
HON'BLE DR. NAGIN NANDA, EXPERT MEMBER

Present:	**Applicant:**	**Mr. Gaurav Kumar Bansal, Adv., Ms. Nandita, Advs.**
	Respondent No. 2 :	**Mr. Ardhendumauli Kumar Prasad and Mr. Shashank Saxena, Advs. for MoH&FW**
	Respondent No. 5 & 6:	**Mr. Pradeep Kumar Misra, Adv. and Mr. Daleep Dhyani, Adv. For UPPCB**
	Respondent No.18:	**Mr. Rajkumar, Adv. with Mr. Bhupender Kumar, LA, Ms. Urmila Thakur, LO, for Central Pollution Control Board** **Mr. Amit Tiwari, Adv. for State of Uttar Pradesh** **Ms. Deep Shikha Bharathi, Adv.** **Mr. I.K. Kapila, Adv. for UP Jal Nigam** **Mr. B.V. Niren Adv. with Mr. Vinayak Gupta, Adv. for CGWA and Ministry of Drinking Water**

	Date and Remarks	Orders of the Tribunal
	Item No. 14 & 15 **January 16, 2018** **SS**	**M.A. No. 192 of 2015 and M.A. No. 193 of 2015** In view of the ongoing proceedings and the record produced before us, the Learned counsel appearing for the applicant submits that these applications being superfluous are not pressed. The M.A. No. 192 of 2015 and M.A. No. 193 of 2015 stand disposed of accordingly. **Original Application No. 231 of 2014 and Original Application No. 66 of 2015** These are the applications moved for seeking relief from pollution in: 1. Hindon river and her tributaries. 2. Groundwater in the following districts of Uttar Pradesh :- a) Saharanpur;

	Item No. 14 & 15 **January 16, 2018** **ss**	b) Ghaziabad; c) Samli; d) Meerut; e) Muzaffarnagar and f) Bagpat. In Original Application No. 231 of 2014, CGWA was impleaded and was directed to carry out survey of the catchment areas of the said river and her tributaries and give its report. The CGWA in pursuance to the order dated 07th September, 2016 carried out the necessary survey and filed report dated 26th October, 2016 (Page No. 1010, Volume I-D) giving the list of contaminants found in groundwater samples collected from the said area. The CGWA in pursuance to the order dated 06th June, 2017 further filed report dated 22nd July, 2017 and broadly identified the sources of contaminants namely geogenic and anthropogenic. In the meanwhile, we had constituted a team of Central Pollution Control Board, Uttar Pradesh Pollution Control Board and Uttar Pradesh Jal Nigam to carry out Study and collect data backed by analysis reports so as to answer the pertinent questions in relation to the discharge of effluents by the industries located in the said areas upon groundwater and public health. This Committee was further directed to carry out a physical check as to point of discharge of the said industries and verify whether the effluent generated were directly complying with the prescribed norms. The Committee was permitted to engage the experts from the field of Agriculture to examine excessive use of fertilizers, insecticides and

	Item No. 14 & 15 **January 16, 2018** **ss**	pesticides causing contamination of groundwater and if so, the remedies therefor. Report of the Committee was expected within two months vide order dated 05th November, 2015 passed in Original Application No. 231 of 2014. Both these original applications were tagged together by the same order as these applications deal with the common subject matter that is the Ground water in the the said six districts. In Original Application No. 66 of 2015 Uttar Pradesh Pollution Control Board filed a report dated 29th October, 2015 in pursuance to the order dated 27th October, 2015 and placed before us Category-wise Status of 316 industries discharging in Hindon and its tributaries and parameters of the trade effluents of 44 industries therefrom. The Learned counsel appearing on behalf of the applicant submits that both in surface and groundwater in the said districts the following contaminants are noticed:- 1. Sulphide; 2. Fluoride; 3. Mercury; 4. Cadmium; 5. Copper; 6. Zinc; 7. Lead; 8. Iron; 9. Nickel and 10. Oil and Grease. He submits that the sources of these contaminants

	Item No. 14 & 15 **January 16, 2018** **ss**	are also anthropogenic in nature; and certainly one of its component being release of effluents from the industrial activity which in good measure is made of chemical compounds and, therefore, it is necessary to have a complete survey of all the industries in the catchment of river Hindon and its tributaries lying in the said six districts in order to crystallize the role of each industry in contributing the contaminants to surface and groundwater. We have already constituted a Committee of Central Pollution Control Board, Uttar Pradesh Pollution Control Board and Uttar Pradesh Jal Nigam to carry out survey as per the directions dated 05th November, 2015. We have yet to get feedback from the said Committee. We add one member to the said Committee i.e. Dr. A.B. Akolkar, Ex-Member Secretary of Central Pollution Control Board who has good experience in dealing with such matters. We therefore pass the following directions:- 1. The Committee so constituted comprising of Central Pollution Control Board, Uttar Pradesh Pollution Control Board, Uttar Pradesh Jal Nigam and Dr. A.B. Akolkar, Ex-Member Secretary, Central Pollution Control Board as its members shall carry out intensive survey of surface i.e. river Kali, river Hindon and river Krishni and other small rivulets and drains meeting Hindon river and groundwater in the said area. 2. They shall collect samples, cause analysis to be made of such samples at Central Pollution Control Board Laboratory.

	Item No. **14 & 15** **January** **16, 2018** **ss**	3. They shall carry out joint inspections of 316 industries which are listed in the report dated 29th October, 2015 (Page 230, Volume I-A, Original Application No. 66 of 2015) and others as well to give answers to the queries already made and ascertain contribution of each of the industries in terms of the contaminants generated by them. 4. The Central Pollution Control Board and Uttar Pradesh Pollution Control Board shall bear the expenses of the said inspection team in terms of the order passed on 20th April, 2017 in Samir Mehta Vs. Union of India & Ors.. The inspection shall be completed and report shall be submitted to the Tribunal within two months. 5. The Central Pollution Control Board shall be convener of the team. In case of any difficulty the Central Pollution Control Board may approach the Tribunal. 6. Necessary Police Protection shall be given to the Joint Inspection Team and/or its members for the purposes of execution of this order. List these cases on 19th March, 2018. ……,ACP (U.D. Salvi) ……,EM (Dr. Nagin Nanda)

Annexure-II

BEFORE THE NATIONAL GREEN TRIBUNAL,
PRINCIPAL BENCH, NEW DELHI

Original Application No. 231 of 2014
And
Original Application No. 66 of 2015

IN THE MATTER OF:

Doaba Paryavaran Samiti Vs. State of U.P. & Ors.
And
Doaba Paryavaran Samiti Vs. State of U.P. & Ors.

CORAM : HON'BLE DR. JUSTICE JAWAD RAHIM, JUDICIAL MEMBER
HON'BLE MR. JUSTICE S.P. WANGDI, JUDICIAL MEMBER
HON'BLE DR. NAGIN NANDA, EXPERT MEMBER

Present:

Applicant:	**None appeared**
Respondent No. 2 :	**Mr. Ardhendumauli Kumar Prasad and Mr. Shashank Saxena, Advs. for MoH&FW**
Respondent No. 5 & 6:	**Mr. Pradeep Kumar Misra, Adv. and Mr. Daleep Dhyani, Adv. For UPPCB**
Respondent No.18:	**Mr. Rajkumar, Adv. with Mr. Bhupender Kumar, LA, Ms. Urmila Thakur, LO, for Central Pollution Control Board** **Mr. Amit Tiwari, Adv. for State of Uttar Pradesh** **Ms. Deep Shikha Bharathi, Adv.** **Mr. I.K. Kapila, Adv. for UP Jal Nigam** **Mr. B.V. Niren Adv. with Mr. Vinayak Gupta, Adv. for CGWA and Ministry of Drinking Water**

	Date and Remarks	Orders of the Tribunal
	Item Nos. 27-28 **March 19, 2018** **A**	There is written request for adjournment which is not opposed. Hence adjourned to 03rd May, 2018. .....,JM (Dr. Jawad Rahim) .....,JM (S.P. Wangdi) .....,EM (Dr. Nagin Nanda) 19.03.2018

Annexure-III

BEFORE THE NATIONAL GREEN TRIBUNAL,
PRINCIPAL BENCH, NEW DELHI

Original Application No. 231 of 2014
And
Original Application No. 66 of 2015

IN THE MATTER OF:

Doaba Paryavaran Samiti Vs. State of U.P. & Ors.
And
Doaba Paryavaran Samiti Vs. State of U.P. & Ors.

CORAM : HON'BLE DR. JUSTICE JAWAD RAHIM, ACTING CHAIRPERSON
HON'BLE MR. JUSTICE S.P. WANGDI, JUDICIAL MEMBER
HON'BLE DR. NAGIN NANDA, EXPERT MEMBER

Present:

Applicant:	**None appeared**
Respondent No. 2 :	**Mr. Ardhendumauli Kumar Prasad and Mr. Shashank Saxena, Advs. for MoH&FW**
Respondent No. 5 & 6:	**Mr. Pradeep Kumar Misra, Adv. and Mr. Daleep Dhyani, Adv. For UPPCB**
Respondent No.18:	**Mr. Rajkumar, Adv. with Mr. Bhupender Kumar, LA, for Central Pollution Control Board** **Mr. Amit Tiwari, Adv. for State of Uttar Pradesh** **Ms. Deep Shikha Bharathi, Adv.** **Mr. I.K. Kapila, Adv. for UP Jal Nigam** **Mr. B.V. Niren Adv. with Mr. Vinayak Gupta, Adv. for CGWA and Ministry of Drinking Water**

	Date and Remarks	Orders of the Tribunal
	Item Nos. 18 & 19 **May 03, 2018** **A**	Mr. Rajkumar learned counsel for Central Pollution Control Board submits that out of the 1166 samples collected, 50% of which have been analysed and would require further six weeks' time to complete analysis of the remaining samples. In view of this submission, we grant the requested period of time for submission of analysis report. Mr. Kapila submits that Government of Uttar Pradesh has to release amount for 72 schemes costing Rs. 138.5 Crores. We direct State of Uttar Pradesh to take notice of this submission. List this matter on 12th July, 2018. .....,ACP (Dr. Jawad Rahim)

	Item Nos. 18 & 19 **May 03, 2018** **A**	……,JM (S.P. Wangdi) ……,EM (Dr. Nagin Nanda) 03.05.2018

Annexure-IV

Central Pollution Control Board

(Ministry of Environment, Forest and Climate Change)
Parivesh Bhawan, East Arjun Nagar
Delhi-110032
*****

Minutes of the meeting held at CPCB on 28.6.2018 with the Officials of UPPCB, U.P. Jal Nigam, CGWA and Others concerned for ensuring compliance to the **Hon'ble National Green Tribunal (PB), New Delhi Order dated 16.01.2018 in the matter of O.A No. 231/2014 and O.A No. 66/2015 filed by Doaba Paryavaran Samiti Vs State of Uttar Pradesh & Others**

A meeting was convened on 28.06.2018 in CPCB under the Chairmanship of 'Member Secretary, CPCB' with the officials of U.P.Pollution Control Board, U.P.Jal Nigam, U.P.Agriculture Department and Central Ground Water Board (NR), Lucknow to discuss about findings of CPCB on the water quality of river Hindon and its tributaries, ground water samples collected from the catchment area of river Hindon as well as inspections carried out by Joint Inspection Teams constituted for industrial inspections as well as draft action plan proposed to be filed in compliance to Hon'ble NGT (PB) order dated 16.1.2018 in the matter of O.A No. 231/2014 and O.A No. 66/2015 filed by Doaba Paryavaran Samiti Vs State of Uttar Pradesh & Others. Dr A. B. Akolkar, Ex Member Secretary and Member of the Hon'ble NGT Committee could not attend the afore-said meeting due to pre-occupied assignment. List of officials attended the afore-said meeting is attached at **Annexure I.**

Member Secretary, CPCB welcomed all the officials of UPPCB, UP Jal Nigam, U.P.Irrigation Department, Central Ground Water Board (CGWB) and informed that all the industrial inspections as well as sampling of river Hindon & its tributaries and drains as well as ground water samples in the catchment area of river Hindon has been completed in compliance to the Hon'ble NGT order dated 16.01.2018 in the afore-said matter. Member Secretary, CPCB also acknowledged that gathering and compilation of all the information at one place was a comprehensive exercise which has been completed by CPCB. Thereafter, he requested Dr.R.M.Bhardwaj, AD & In-Charge, WQM- Division to explain about comprehensive task carried out by CPCB in compliance to the Hon'ble NGT orders.

Dr. R.M Bhardwaj explained that the UPPCB submitted a report dated 29th October 2015 to Hon'ble NGT in compliance to the Hon'ble NGT order in the matter of O.A No 231/2014 and O.A No 66/2015, covering compliance status of 316 industries indulged in discharging of industrial effluents in river Hindon and its tributaries. Based on the report submitted by UPPCB, Hon'ble NGT (PB) passed an order on 16.01.2018 directing CPCB to co-ordinate for joint inspection of 316 industries, sampling of river Hindon & its tributaries, drains contributing to pollution of river Hindon as well as ground water samples in the catchment area of river Hindon and for submission of the comprehensive report to Hon'ble Tribunal within two months. Thereafter, CPCB initiated the actions and submitted an interim report and sought additional time in view of some constraints especially w.r.to CPCB laboratories for completion of analysis of collected samples and thereafter for submission of the report. Hon'ble NGT has accepted the prayer and extended time for submission of the comprehensive report and now the matter is listed for hearing on 12th July 2018. Based on the findings of inspection of industries, analysis results of collected industrial effluents, samples of river Hindon & its tributaries, drains and groundwater samples, a comprehensive as well as proposed action plan for rejuvenation of river Hindon has been prepared. A copy of the draft action plan prepared by CPCB for rejuvenation of river Hindon alongwith agenda of the meeting is also been circulated. Thereafter, he requested Shri J.Chandra Babu, Sc'D', WQM-I to present the findings.

Shri J. Chandra Babu, Scientist D , WQM-I Div made a detailed presentation on the initiatives taken in compliance to Hon'ble NGT Order dated 16.01.2018 which include directions of Hon'ble NGT, findings of industrial inspections, analysis results of the GW samples collected by 52 no. of joint inspection teams during 5 th March - 26 th April 2018. He has further elaborated on the analysis results of the surface water samples from River Hindon, River Krishni, River Kali (West) and River Sheela as well as from six drains. Salient features of the power point presentation made by Shri J.C.Babu include

(i) Total No. of surface water samples collected from River Hindon, River Krishni, River Kali (West), River Sheela and River Yamuna (after confluence of river Hindon) as well as samples collected from six drains- 67;
(ii) Total no. of ground water (GW) samples collected from 168 locations in catchment area of river Hindon and its tributaries - 545;
(iii) Total no. of industry specific parameter samples from ETPs- 569;
(iv) Total no. of samples collected and analysed in CPCB labs- 1181;

(v) Groundwater samples were analysed for parameters such as Fluoride, sulphate, Oil & Grease and heavy metals as directed by Hon'ble NGT;

(vi) The analysis results of the ground water samples reveal that (a) 93 out of 168 GW sampling locations (located at Baghpat, Ghaziabad, Greater Noida, Meerut, Muzaffar Nagar, Saharanpur and Shamli except in Gauthambudh Nagar) were observed to be contaminated with one or more parameters and exceeded BIS Drinking Water Specifications; and concentration of Sulphate, Fluoride, O & G, heavy metals such as Cd, Cu, Pb, Fe, Ni, Zn, Hg and Mn are exceeding the prescribed limit at 5, 11, 1, 4, 5, 14, 33, nil, 04, 39 and 13 no. of locations respectively;

(vii) The analysis results of the samples collected from River Hindon, Sheela, Kali (West) and Krishni and the drains samples reveal that (a) all the four rivers namely Hindon, sheela (except FC), Kali (West) and Krishni are not complying to the water quality criteria parameters; (b) Drains namely Karheda Drain B/c of River Hindon, Indirapuram Drain B/c of River Hindon, Hindon Vihar Drain B/c of River Hindon, Pratap Vihar Drain B/c of River Hindon, khaila Bhatta Drain B/c of River Hindon except Kot Escape Drain are not complying to the effluent discharge standards for inland surface water especially (w.r.to BOD and COD) prescribed under Schedule-VI of the Environment (Protection) Rules, 1986;

(viii) Also, presented status of industries which are operational, partially operational, not operational, closed and the industries which does not exist at the given address.

(ix) Status of industries w.r.to the Consents under Water & Air Acts as well as authorization under the Hazardous & Other Waste (Management & Transboundary Movement) Rules, 2016 as amended; Also, status of industries w.r.to the industries which are having ETPs, No. of industries not operating ETPs, No. of industries installed OCEMS;

(i) (xi) Sources of water consumed by the industries include mainly Tube Well, through tankers as well as extraction from Upper Ganga Canal and total water consumption by 255 no. of industries (as information available) was observed as 95,270 KLD and wastewater generation from 232 industries was observed as 65646 KLD as well as district/area-wise water consumption and wastewater generation, and (xii) 119 out of 195 no. of industries operating ETPs are not complying to the effluent discharge norms.

Dr Vikas Ranjan, Scientist C, CGWB informed that 'Fluoride and Iron content in Ground Water may be compared with its highest limit as specified by BIS standards for drinking water. Dr Vikas also opined that occurrence of 'Fluoride and Arsenic' content in ground water is geogenic in nature and it is not linked to pollution problem. However, he requested CPCB to provide list of locations where the groundwater is found contaminated for further action on the part of CGWB and other concerned agencies of State/District or Local administration.

Dr.R.M.Bhardwaj requested the official of CGWB to provide list of industries for which permission/NOC were granted to extract groundwater to CPCB so that such information also be included in the report to be filed before Hon'ble NGT. In response, CGWB official mentioned that NOC is being given by CGWB for extraction of ground water resources by industries subject to the conditions as per the guidelines issued by CGWB. Dr.Vikas representative of CGWB also informed that District Level Committee under District Magistrate has been empowered for random inspections and for strict vigilance on groundwater extraction by the industries. He opined that State Level vigilance is required especially from the State Ground Water Department as Govt. of Uttar Pradesh vide GO 1624/62-1-2004-7 W.P. No. 0/2004 TC dated September 8, 2004 declared Ground Water Department as Nodal Agency

Member Secretary, CPCB expressed his concern that both surface and ground water is being polluted which is a ground reality and is evident based on the findings of the inspections while the drains are carrying only the industrial effluent or sewage which clearly indicates that discharge of partially treated/untreated outfalls in the rivers. He also stated that some of the industrial units are still operating without Consents under Water & Air Acts which is a violation of Hon'ble Supreme Court directives and therefore UPPCB should look into the matter and take necessary action immediately for closure of such units. He also indicated that industries are extracting ground water and discharge in surface or on land without proper treatment hence polluting both surface water and groundwater. Therefore, all the concerned authorities on the related aspects may initiate actions and both short term and long term action plans need to be prepared and executed as proposed in the draft action plan circulated in the meeting. He also stated that the concerned authorities should initiate actions on priority basis for ensuring compliance to the provisions of E (P) Act, 1986, without waiting for further orders from Hon'ble NGT .

Shri R.M. Bhardwaj informed that the protection and control of over exploitation of ground water resources lies with the CGWB and U.P.Jal Nigam and action need to be taken to control over exploitation of groundwater resources especially by the industries. He also mentioned that the wherever ground water is not fit for drinking purposes, U.P.Jal Nigam may provide alternate supply of potable water for the concerned public and an action plan in this regard need to be prepared. Representative of UPJal Nigam informed that wherever water is not fit for drinking purposes they are presently supplying water in many villages of Ghaziabad. UP Jal Nigam , Bagpat representative informed that proposals have already been submitted to the Central/State Govts and no sanction of funds have been received so far. He also mentioned that funds are being given by the Central Govt only for Fluoride or Arsenic contaminated affected villages and as such there is no any such scheme

by the Central/State Govt for 'Iron' affected blocks or villages. Upon sanction of funds from the concerned Govts, he is of the opinion that the proposed schemes shall be implemented effectively.

Shri J.C Babu, Sc'D' also displayed the draft action plan for rejuvenation of River Hindon prepared by Dr A.B.Akolkar along with the officials of WQM-I Division in CPCB and proposed to be submitted for perusal of Hon'ble NGT. Shri Nazimuddin, AD, CPCB suggested to include time targeted action plans as a part of the action plan. In response, Sh J.C Babu informed that this aspect has been thought of and also as suggested by CCB, same will be included while reviewing the comments. Thereafter, Shri J.C.Babu also requested all the officials attended the meeting to provide comments or suggestions if any on the draft action plan by 02.07.2018 so that comments can be considered and proposed draft action plan can be modified suitably prior to filing before the Hon'ble NGT for consideration.

Representative of UP Agriculture Department informed that the check dams constructed earlier for different purpose is now stagnant pool of wastewater which in turn causing contamination of groundwater resources. Therefore, there is a need to take action for demolition of such check dams wherever required.

Upon deliberations following decisions were taken in the afore-said meeting as detailed below:-

(i) To provide comments or views or suggestions if any on the proposed draft action plan for rejuvenation of river Hindon which has been circulated in the meeting to all the officials, so as to reach CPCB by 2nd July, 2018;

(i) Upon receipt of comments if any on the proposed draft action plan for rejuvenation of the river Hindon, proposed draft action plan be finalised by CPCB after incorporating the comments, for filing before the Hon'ble NGT for consideration; and

(ii) After filing of the affidavit along with the findings as well as draft proposed action plan before the Hon'ble NGT by CPCB, list of non-complying units as well as non-complying ground water sampling locations also be made available to UPPCB, UP Jal Nigam/CGWB/CGWA respectively for initiating further necessary appropriate actions by all the concerned departments.

The meeting ended with vote of thanks to the Chair.

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Annexure-I

List of Officials attended meeting held at CPCB on 28.6.2018 with the Officials of UPPCB, U.P. Jal Nigam, U.P.Agriculture Department, CBWB and Others concerned for ensuring compliance to the Hon'ble National Green Tribunal (PB), New Delhi Order dated 16.01.2018 in the matter of O.A No. 231/2014 and O.A No. 66/2015 filed by Doaba Paryavaran Samiti Vs State of Uttar Pradesh & Others

Sl. No.	Name of Official	Designation	E-mail ID
1.	Shri A.Sudhakar	Member Secretary, CPCB	mscb.cpcb@nic.in
2.	Shri Gurnam Singh	AD, CPCB	gurnamsingh.cpcb@nic.in
3.	Dr. Sanjeev Agrawal	AD, CPCB	sanjeevagrawal.cpcb@gmail.com
4.	Shri Nazimuddin	AD, CPCB	nazim.cpcb@nic.in
5.	Shri P.K. Mishra	AD, CPCB	mishrapkin@yahoo.com
6.	Shri A. Aggarawal	AD, CPCB	ajayaggrawal.cpcb@nic.in
7.	Shri Devender Kumar	Ex. Engineer, U.P.Jal Nigam, Ghaziabad	zce_gzb_upjn@yahoo.co.in
8.	Shri Sanjay Kumar Gautam	Ex. Engineer , U.P.Jal Nigam, Baghpat	eecdupjn_baghpat@yahoo.com
9.	Dr. Vikas Ranjan	Scientist 'C', CGWB (NR), Lucknow	vikasranjan-cgwb@gov.in
10.	Shri Ashok Kumar Tiwari	RO, UPPCB, Ghaziabad	roghaziabad@uppcb.com
11.	Shri S. R. Maurya	R.O. UPPCB, Saharanpur	rosaharanpur@uppcb.com
12.	Dr. Yogendra Kumar	ASO, UPPCB, Meerut	romeerut@uppcb.com
13.	Shri Ravindra Singh	Project Manager, U.P.Jal Nigam, Saharanpur	upjnsre@yahoo.co.in
14.	Shri Krishna Mohan Yadava	GM, U.P.Jal Nigam	gmypcugzb@gmail.com
15.	Shri Chaman Singh	Soil Conservation Officer, Agricuture Dept. U.P.	bsa.gzb2013@gmail.com
16.	Shri Ankit Singh	AEE, UPPCB,Ghaziabad	roghaziabad@uppcb.com
17.	Shri Utsav Sharma	AEE, UPPCB, G.Noida	rogreaternoida@uppcb.com
18.	Shri J.B. Singh	AEE, UPPCB, Saharanpur	rosaharanpur@uppcb.com
19.	Mrs.Urmila Thakur	Low Officer, CPCB	utlo1cpcb@gmail.com
20.	Shri Kamal Bandhu	Assistant Low Officer, CPCB	kamalcpcb81@gmail.com
21.	Shri Sanjay Kumar	Scientist 'D', CPCB	skcpcb@rediffmail.com
22.	Dr.R M Bhardwaj	Scientist 'E',DH, WQM-I	rmbhardwaj@gmail.com
23.	Shri J. Chandra Babu	Scientist 'D', WQM-I	jcb.cpcb@nic.in
24.	Mrs.Suniti Parashar	Scientist 'B', WQM-I	suniti@gmail.com
25.	Dr. Deepika Mehta	RA, WQM-I, CPCB	-
26.	Ms. Deepti Goyal	JRF, WQM-I, CPCB	-
27.	Mr. Chenchal Joshi	DEO, WQM-I, CPCB	-
28.	Mr.R.D.Swamy	DEO, WQM-I, CPCB	-

Annexure-V

ORIGINAL APPLICATION NO. 231 OF 2014

AND

ORIGINAL APPLICATION NO. 66 OF 2015
(M.A. NOS. 192/2015 & 193/2015)

IN THE MATTER OF

DOABA PARYAVARAN SAMITI VS. STATE OF U.P. & ORS.

Comprehensive Report on
Prevention and Control of Pollution
in River Hindon: An Action Plan for Rejuvenation

(Submitted in Compliance to Hon'ble National Green Tribunals (NGT) Order dated January 16, 2018)

Central Pollution Control Board
(Ministry of Environment, Forest & Climate Change, Govt. of India)
Parivesh Bhawan, East Arjun Nagar,
Delhi – 110032

July 03, 2018

C O N T E N T S

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Annexure - I	Hon'ble National Green Tribunal (NGT) (PB), New Delhi Order dated 16.01.2018	
Annexure- II	Hon'ble NGT (PB) Order dated 19.03.2018	
Annexure- III	Hon'ble NGT (PB) Order dated 03.05.2018	
Annexure- IV	A copy of the minutes of the meeting held with the officials of UPPCB and UPJN and Other concerned officials	
Annexure- V	A copy of the CPCB Office Orders dated 23.02.2018 and 26.03.2018 constituting 52 no. of Joint Inspection Teams	
Annexure- VI to Annexure-VIII	Copies of CPCBs letters dated 23.02.2018 addressed to UPPCB, Uttar Pradesh Jal Nigam (UPJN) and Central Ground Water Authority (CGWA), New Delhi	
Annexure- IX	Water Quality Monitoring Results of Ground Water Samples collected by the Joint Inspection Teams	
Annexure- X	Water Quality Monitoring Results of River Sheela, Hindon, Krishni, Kali (W), River Yamuna & Drains collected during March- April, 2018	
Annexure- XI	Industry-wise water consumption, waste water generation and final mode of disposal of generated Industrial effluent	
Annexure- XII	Location-wise ground water not complying to the IS10500-2012 w.r.to Drinking Water Specifications	
Annexure- XIII	Industry wise observations and recommendations made by the Joint Inspection Teams	
Annexure- XIV	List of non-complying industries with respect to effluent discharge norms	
Annexure- XV	Proposed action plan for rejuvenation of river Hindon	

Comprehensive Report on Prevention and Control of Pollution in River Hindon: An Action Plan for Rejuvenation

(Submitted in Compliance to Hon'ble National Green Tribunal (NGT) Order dated January 16, 2018 in the matter of O.A. No. 231/2014 & O.A. No. 66/2015 filed by Doaba Paryavaran Samiti Vs State of Uttar Pradesh & Otrs.)

1.0. Introduction

Hon'ble National Green Tribunal (NGT) in the matter of Original Application No. 231/2014 & Original Application No. 66/2015 filed by Doaba Paryavaran Samiti Vs State of Uttar Pradesh & Otrs, on 16.01.2018 has given the following directions which are reproduced as follows:

- *It is necessary to have a complete survey of all the industries in the catchment of river Hindon and its tributaries lying in the six districts Viz., a) Saharanpur; b) Ghaziabad; c) Samli; d) Meerut; e) Muzaffarnagar and f) Bagpat in order to crystallize the role of each industry in contributing the contaminants to surface and groundwater.*

- *We have already constituted a Committee of Central Pollution Control Board, Uttar Pradesh Pollution Control Board and Uttar Pradesh Jal Nigam to carry out survey as per the directions dated 05th November, 2015. We have yet to get feedback from the said Committee. We add one member to the said Committee i.e. Dr. A.B. Akolkar, Ex-Member Secretary of Central Pollution Control Board who has good experience in dealing with such matters.*

We therefore pass the following directions:-

1. *The Committee so constituted comprising of Central Pollution Control Board (CPCB), Uttar Pradesh Pollution Control Board (UPPCB), Uttar Pradesh Jal Nigam (UPJN) and Dr.A.B. Akolkar, Ex-Member Secretary, Central Pollution Control Board as its members shall carry out intensive survey of surface i.e. river Kali, river Hindon and river Krishni and other small rivulets and drains meeting Hindon river and groundwater in the said area.*

2. *They shall collect samples, cause analysis to be made of such samples at Central Pollution Control Board Laboratory.*

3. *They shall carry out joint inspections of 316 industries which are listed in the report dated 29th October, 2015 (Page 230, Volume I-A, Original Application No. 66 of 2015) and others as well to give answers to the queries already made and ascertain contribution of each of the industries in terms of the contaminants generated by them.*

4. *The Central Pollution Control Board and Uttar Pradesh Pollution Control Board shall bear the expenses of the said inspection team in terms of the order passed on 20th April, 2017 in Samir Mehta Vs Union of India & Ors.. The inspection shall be completed and report shall be submitted to the Tribunal within two months.*

5. *The Central Pollution Control Board shall be convener of the team. In case of any difficulty the Central Pollution Control Board may approach the Tribunal.*

6. *Necessary Police Protection shall be given to the Joint Inspection Team and/or its members for the purposes of execution of this order.*

Next date of hearing on the matter is scheduled for 19.03.2018.

Subsequently, Hon'ble National Green Tribunal (NGT) further heard the matter on March 19, 2018 and May 03, 2018 and passed order on 03.06.2018 and directed Central Pollution Control Board as follows:

'Mr. Rajkumar learned counsel for Central Pollution Control Board submits that out of the 1166 samples collected, 50% of which have been analysed and would require further six weeks' time to complete analysis of the remaining samples. In view of this submission, we grant the requested period of time for submission of analysis report.

Next date of hearing on the matter is 12th July, 2018

Copies of Hon'ble National Green Tribunal orders dated January 16, 2018, March 19, 2018 and May 03, 2018 which are annexed as **Annexure-I to Annexure-III**.

2.0 About River Hindon, River Kali (West) and River Krishni

River Hindon, River Kali and River Krishni and Other drains is given in **Figure 1**.

(a) Hindon River originates from lower Shivalik ranges in District Saharanpur of Uttar Pradesh and is primarily a rain fed river. The basin area falls in the districts of Saharanpur, Muzaffarnagar, Shamil, Meerut, Bagpat, Ghaziabad and Gautambudh Nagar in Western Uttar Pradesh and covers a distance of about 200 Km before joining the river Yamuna downstream of Delhi. It leaves District Saharanpur at Village- Chhinau and flows into District Muzaffarnagar. Hindon river enters District Muzaffarnagar at Village- Budha khedi and leaves the District for Meerut near Village- Atali. River Hindon enters District Meerut at Village- Baparsi. The river flows in between District Meerut and Bagpat and it leaves at Village Rasoolpur Dhaulari of District Meerut and Village Baleni of District Bagpat before entering District

Ghaziabad. River Hindon enter Ghaziabad city at village Karheda and passes through Hindon river Bridge, Karheda Road Bridge at NH-24, Railway Bridge, Hindon Barrage, Road Bridge at NH-58 and then enters in district Gautambudh Nagar. River Hindon enters into District Gautambudh Nagar from Ghaziabad at Chajarshi near Sector-62 and finally meets into river Yamuna at Village- Gharbara of Mauja Tilwara i.e., down stream of Delhi). The major source of flow in the river is mainly domestic and industrial discharges.

The river Hindon is one of the important rivers in western Uttar Pradesh (India) having a basin area of about 7000 km^2 . The catchment area of the river lies between latitude 28^o 30' to 30^o15' N and longitude 77^o 20' to 77^o 50' E. The Hindon River has been a major source of water to the highly populated and predominantly rural population of Western Uttar Pradesh. The heavy loading of industrial effluent discharge directly into the Hindon River places an intolerable burden on the river's natural ability to assimilate pollutants.

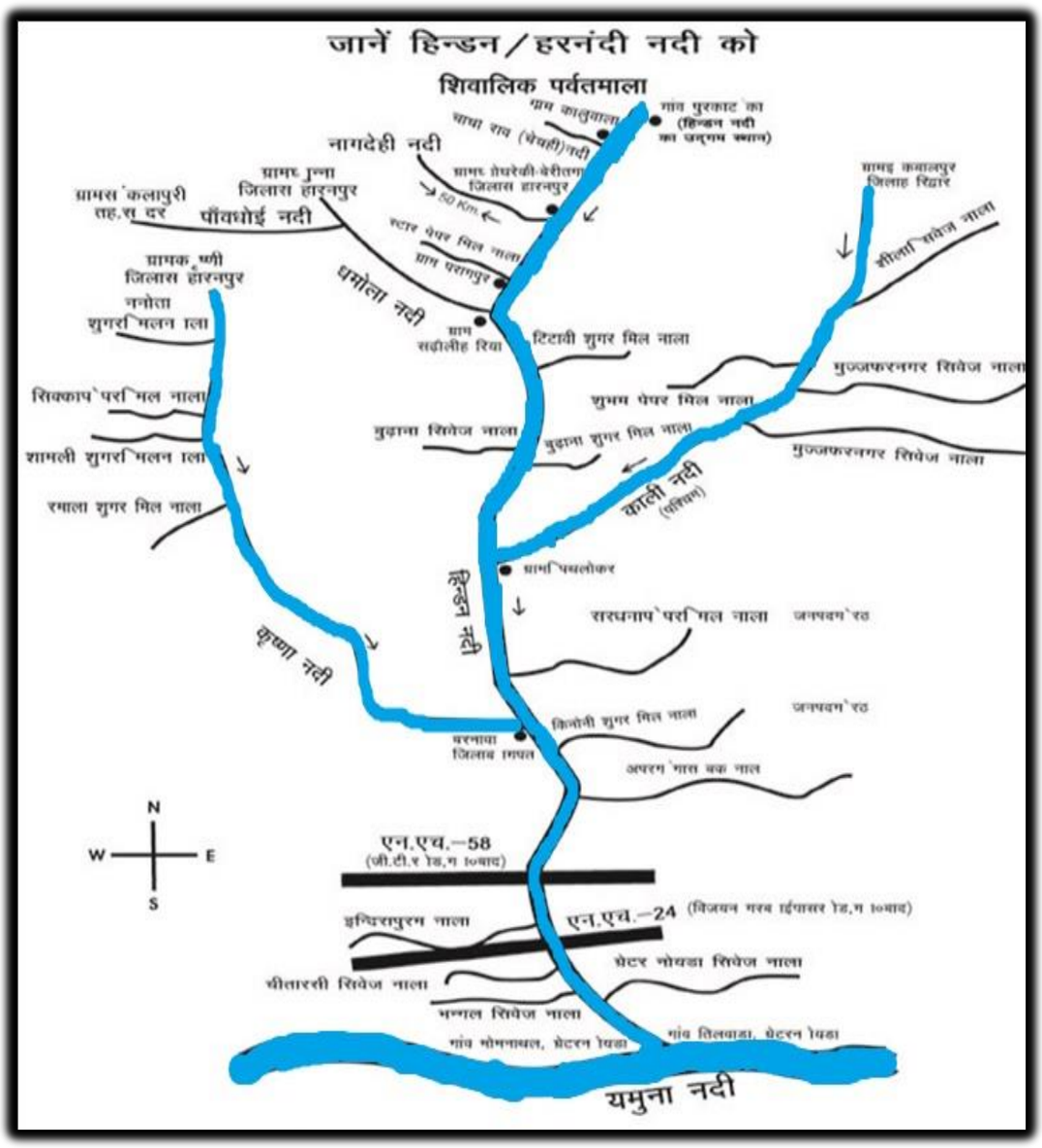


Figure 1. River Hindon, River Kali (West), River Krishni and Other drains.

(b) River Kali (West) originates from village Iqbalpur, district Haridwar, Uttarakhand and enters Uttar Pradesh in District Saharanpur and then in District

Muzaffarnagar near Rohanakala. The river carries Domestic and Industrial waste from District Saharanpur and District Muzaffarnagar. Kali River (West) finally meets river Hindon near village Ratanpuri and Hindon enters District Meerut at village Pithlokar.

(c) ***River Krishni*** is primarily a rain fed river with no natural flow of its own. The major source of flow in the river is domestic and industrial discharges. It enters District Shamli in Nagar Panchayat Jalalabad and enters in District Bagpat near village Ramala. After travelling about 20 to 25 Km., it merges into river Hindon near village Barnawa.

2.1 Sources of Pollution in River Hindon

The main sources of pollution in River Hindon include municipal and industrial (sugar, pulp and paper, distilleries etc.) wastes mainly from Saharanpur, Muzaffarnagar and Ghaziabad urban areas. Three effluents drains namely Nagdev Nala, Star Paper Mill Drain and Dhamola Nala join the river Hindon in upper section. The Nagdev nala receives municipal wastewater of the adjoining villages as well as industrial effluents from various industrial units. The Star Paper Mill is located near Saharanpur railway station and manufactures varieties of paper used in writing, printing, craft (for wrapping) and wall papers. Other sources of pollution in river Hindon are the sewage of Saharanpur town and other effluents from textile mill, sugar mill, card board factory, laundary and other small industrial units which discharge their waste effluents into Dhamola nala which in turn enters into river Hindon.

The portion of River Hindon catchment in the vicinity of Muzaffar Nagar is not directly contributing municipal and industrial effluent into the river Hindon as the local industries are discharging wastewater effluent in tributary streams namely river Kali (West)or river Krishni. Main sources which create pollution in the river Kali (West) include municipal wastewater of Muzaffar Nagar city, industrial waste from industries (such as pulp and paper, sugar, distilleries, steel, rubber, ceramic, chemicals, plastic, dairy and laundries). Main industrial units are Mansurpur sugar mill and distillery out falling in river Kali (West) and Shamli sugar factory and distillery discharge in the river Krishni. River Kali (West) opens into river Hindon near the village of Atali and river Krishni near Sardhana. In summer months the river is completely dry from its origin upto Saharanpur town. The effluents of Nagdev nala and star paper mill at Saharanpur generate the flow of water in the river Hindon. The municipal waste water generated from the Saharanpur city is discharged into Hindon river through Dhamola nala. The municipal waste water from budhana town also joins the river in this stretch.

The river Kali (West) meets the river Hindon on its left bank near the village of Atali and carries municipal waste water and effluents of industries located in the Muzaffarnagar city. Another tributary called Krishni meets Hindon on its right bank at village Barnawa in Meerut district and transports the waste water from sugar mill and distillery. In Ghaziabad district, downstream of Karhera village, major part of the river flow is diverted to Hindon cut canal at Mohan Nagar which meets river Yamuna upstream of Okhla barrage. Thereafter, the river Hindon receives waste water through Dhasana Drain at village Bisrakh in Ghaziabad district. The Dhasana drain carries the waste water of municipal as well as industrial establishments located in Ghaziabad. River Hindon flows further downstream and joins river Yamuna at village Tilwara in Uttar Pradesh State.

3.0 Initiatives taken by CPCB for ensuring compliance to the Hon'ble National Green Tribunal (NGT) Order dated 16.01.2018

Initiatives taken by CPCB in pursuance to the Hon'ble National Green Tribunal (NGT) order dated 16.01.2018 are detailed below:-

3.1 Meeting held with the Officials of UPPCB and U.P. Jal Nigam

In pursuance to the Hon'ble NGT order dated 16.01.2018, Central Pollution Control Board (CPCB) convened a meeting in CPCB on 16.02.2018 with the Officials of U.P Pollution Control Board (UPPCB), U.P Jal Nigam (UPJN) and discussed issues relating to the follow-up actions to be taken for ensuring compliance to Hon'ble NGT Order dated 16.01.2018. A copy of the minutes of the meeting held with the officials of UPPCB and UPJN and other concerned officials is enclosed as **Annexure-IV**. Main decisions taken in the afore-said meeting are as follows:

i) CPCB shall communicate about the Constitution of Joint Inspection Teams to 'Member Secretary, UPPCB' 'MD, U P Jal Nigam', and a copy to all the concerned, by 21 nd February, 2018 for initiating further action in ensuring co-ordination with the concerned inspection team members.

ii) Joint Inspection of 316 industries shall be completed within 15 days from the date of Constitution of the Joint Inspection Team (s).

iii) Assessment of Ground Water Quality in six identified districts shall be carried out by the teams comprising Officials of CPCB, UPPCB, U P Jal Nigam and U.P. District Agriculture Department along with the monitoring of the industrial units.

iv) The representative of Law Officer (LO), CPCB was requested to collect the detailed report filed by Central Ground water Authority (CGWA) to Hon'ble NGT (PB), New Delhi..

v) Collected water samples during the inspection shall be submitted only at the CPCB (HO) Laboratory by the respective Joint Inspection Team members soon after completion of the visit and the analysis of submitted samples shall be completed by 09 th March, 2018 by CPCB (HO) Laboratory. Thereafter, the inspection reports duly signed by the inspection team members shall be submitted by 13.03.2018 to the WQM-I Division, CPCB for compilation and preparation of the interim report/ comprehensive report.

vi) If required, Committee may submit an 'Interim Report' before next date of hearing through 'Legal Cell' in CPCB and may seek additional time for submission of the detailed report preparation and its submission to the Hon'ble NGT (PB), New Delhi, if required after approval of the report by the Committee.

3.2 Teams constituted for Joint Inspection of 316 Industries located in U.P. as per the list provided to Hon'ble National Green Tribunal (PB), New Delhi by U.P.Pollution Control Board (UPPCB)

Central Pollution Control Board (CPCB) has constituted 52 Joint Inspection Teams to carry out joint Inspection of 316 Industries located in the afore-said six districts, vide Office Orders No. A-14011/1/2018-MON/2635 dated 23.02.2018 & 26.03.2018. A Copy of the CPCB Office Orders dated 23.02.2018 and 26.03.2018 constituting 52 Joint Inspection Teams are enclosed as **Annexure –V**.

CPCB also held interactions with the Joint Inspection Team leaders of CPCB on 27.02.2018 in CPCB so as to give necessary instructions for inspection of industries as well as collection of samples from the industrial effluents or ground water samples and also circulated requisite materials with regard to the procedures to be followed for preservation of collected industrial effluent as well as ground water samples for further analysis in CPCB laboratory as well as a format for submission of the visit report by all the joint inspection team leaders.

3.3 CPCB letters to Uttar Pradesh Pollution Control Board (UPPCB), UP Jal Nigam (UPJN), Central Ground Water Authority (CGWA) & U.P Agriculture Department

Subsequent to the meeting held with the Officials of UPPCB, UP Jal Nigam and U.P. Agricultural Department, CPCB vide letter No. A-14011/WQM-I/2018/17498 dated 23/02/2018 requested UPPCB and U.P. Jal Nigam to nominate concerned officials

to associate with the Joint Inspection Teams for the purpose of completion of joint inspections of 316 industries located in U.P as well as collection of ground water samples in the respective areas. Copies of CPCBs letters dated 23.02.2018 addressed to UPPCB, UPJN and Central Ground Water Authority (CGWA), New Delhi are enclosed as **Annexure- VI to Annexure-VIII.**

3.4 Status of compliance in pursuance to the Hon'ble NGT (PB) order dated 16.01.2018 with regard to industrial inspections

The Joint Inspection Teams comprising representatives of CPCB, U.P. Jal Nigam and U.P.PCB officials inspected 317 industries during March 05, 2018 to April 26, 2018. District/Area-wise no. of industries inspected and no. of industrial effluent samples collected by the Joint Inspection Teams is given in **Table.1.**

Table 1. District/Area-wise details of no. of Industries Inspected and no. of industrial effluent samples collected by the Joint Inspection Teams

Sl. No	Name of the District/ Area	No. of Industries to be Inspected	No. of Industries inspected by Joint Inspection Teams	Total No. of industrial effluent samples collected by Joint Inspection Teams							
				General	NH_3-N	HM	O & G	Hg	Phenol	CN	Total
1	Greater Noida	54	54	43	17	36	26	08	01	09	140
2	Meerut	03	03	02	-	-	02	-	-	-	04
3	Bagpat	01	01	01	-	-	01	-	-	-	02
4	Muzaffar Nagar	43	44	35	-	01	10	01	01	-	48
5	Shamli	05	05	04	-	-	02	-	-	-	06
6	G.B.Nagar	01	01	01	01	01	-	-	-	-	03
7	Saharanpur	39	39	14	03	05	11	-	03	-	36
8	Ghaziabad	170	170	96	14	79	70	32	26	13	330
Total		**316**	**317***	**196**	**35**	**122**	**122**	**41**	**31**	**22**	**569**

* *As one industry started additional unit*

During the visit to the industries, the visited teams have also collected 569 industrial effluents to assess compliance to the effluent discharge standards stipulated by U.P.Pollution Control Board.

3.5 Status of compliance in pursuance to the Hon'ble NGT (PB) order dated 16.01.2018 w.r.to collection of ground water, river water and drain samples in the catchment of river Hindon

3.5.1 Ground water samples collected details

In pursuance to Hon'ble NGT (PB) order dated 16.01.2018, Joint Inspection Teams also collected ground water samples from 168 locations either from industry premises or from nearby village in the vicinity of the industries inspected during the period March 05, 2018 to April 26, 2018 i.e., ground water samples collected from 72

sampling locations within industry premises and 96 ground water sampling locations are outside industry premises or hand pumps located in villages close to the inspected industries. About 545 ground water samples were collected from 168 ground water sampling locations. District/ Area-wise groundwater samples collected by the joint inspection teams are given in **Table 2**.

Table 2. District/Area-wise no. of groundwater sampling locations and the ground water samples collected by the Joint Inspection Teams

Sl. No	Name of the District/Area	No. of Ground Water Sampling locations		Total no of GW sampling locations	No. of samples collected for analysis of				Total no. of GW samples collected & analyzed
		Within Industry Premises	Outside Industry Premises		General Parameter	HM	O & G	Hg	
1	Muzaffar Nagar	15	18	33	32	33	7	26	98
2	Saharanpur	11	21	32	32	32	19	26	109
3	Shamli	-	05	05	05	05	02	05	17
4	Ghaziabad	28	41	69	68	67	34	59	228
5	Meerut	-	02	02	02	02	-	02	06
6	Bagpat	-	01	01	01	01	-	01	03
7	Greater Noida	17	07	24	24	24	06	24	78
8	Gautambudh Nagar	01	01	02	02	02	-	02	06
	Total	**72**	**96**	**168**	**166**	**166**	**68**	**145**	**545**

3.5.2 River water and drain samples collected details

Apart from the above, in compliance to the Hon'ble NGT (PB) order dated 16.01.2018, during March 08-09, 2018, on April 11, 2018 and on April 13, 2018, officials comprising Central Pollution Control Board (CPCB), Dr.A.B.Akolkar, Expert Committee Member appointed by Hon'ble NGT(PB) also collected 67 samples from 05 rivers mainly from River Hindon (5 No of locations), River Krishni (01 location), River Kali (West) (2 locations), River Sheela and River Yamuna (each at one location) after confluence of River Hindon as well as 06 drains namely Khareda Drain, Indirapuram Drain, Hindon Vihar, Pratap Vihar, Khaila Bhatta and Kot Escape.

To study the impact on river Hindon, samples of 05 rivers as well as 06 drains were collected at salient points mainly covering before and after confluence of River Sheela with River Kali (West), before and after confluence of river Kali (West) with River Hindon, before and after confluence of river Krishni with river Hindon, before and after confluence of 06 drains with river Hindon and finally river Yamuna after confluence of River Hindon. Details of sampling locations of rivers/drains and total no. of samples collected from River Hindon, Kali (West), Krishni, Sheela, River Yamuna and 06 drains joining River Hindon along with date of sampling are given in **Table 3 and Table 4.**

Table 3. Sampling location details of River Hindon, River Kali (West), River Krishni and 6 no. of drains joining River Hindon

SL. No	Name of Water Body	Sampling location details	Date of Sampling
1.	Hindon River	River Hindon at Budhana	During March 08-09, 2018
		River Hindon A/c of River Kali (West) and B/c of River Krishni	
		River Hindon at Puramahadev	
		River Hindon U/s of Khareda Drain	April 11, 2018
		River Hindon B/c of River Yamuna	April 13, 2018
2.	Krishni River	River Krishni at Barnawa	March 09, 2018
3.	Kali (W) River	River Kali (W) at Budhana – Khatoli Road (B/c of River Hindon)	During March 08-09, 2018
		River Kali (W) U/s Muzaffar Nagar (A/c Sheela River)	
4.	Sheela River	River Sheela B/c River Kali (W)	March 09, 2018
5.	Drains	Khareda Drain	April 11, 2018
		Indirapuram Drain	
		Hindon Vihar Drain	
		Pratap Vihar Drain	
		Khaila Bhatta Drain	
		Kot Escape Drain	April 13, 2018
6.	River Yamuna	A/c of Hindon River	April 13, 2018

Table 4. Total no. of samples collected from River Hindon, River Krishni, River Kali (West), River Sheela and River Yamuna as well as 06 no. of Drains

Sl. No	Name of the River /Drain	Total no of sampling locations	Total No. of Samples collected					Total No. of Samples collected & analyzed
			GP	NH_3-N	HM	Biological Samples	Pesticide	
1	River Hindon, Krishni, Kali (West), Sheela and Yamuna	**10**	**10**	**10**	**10**	**10**	**14**	**54**
2	06 Drains	**06**	**06**	**01**	**06**	**-**	**-**	**13**
Total		**16**	**16**	**11**	**16**	**10**	**14**	**67**

Note: GP: General Parameters HM- Heavy Metals

The sampling location details of River Hindon, Krishni, Kali (West), Sheela and River Yamuna as well as 06 no. of Drains are given in **Figure 2.**

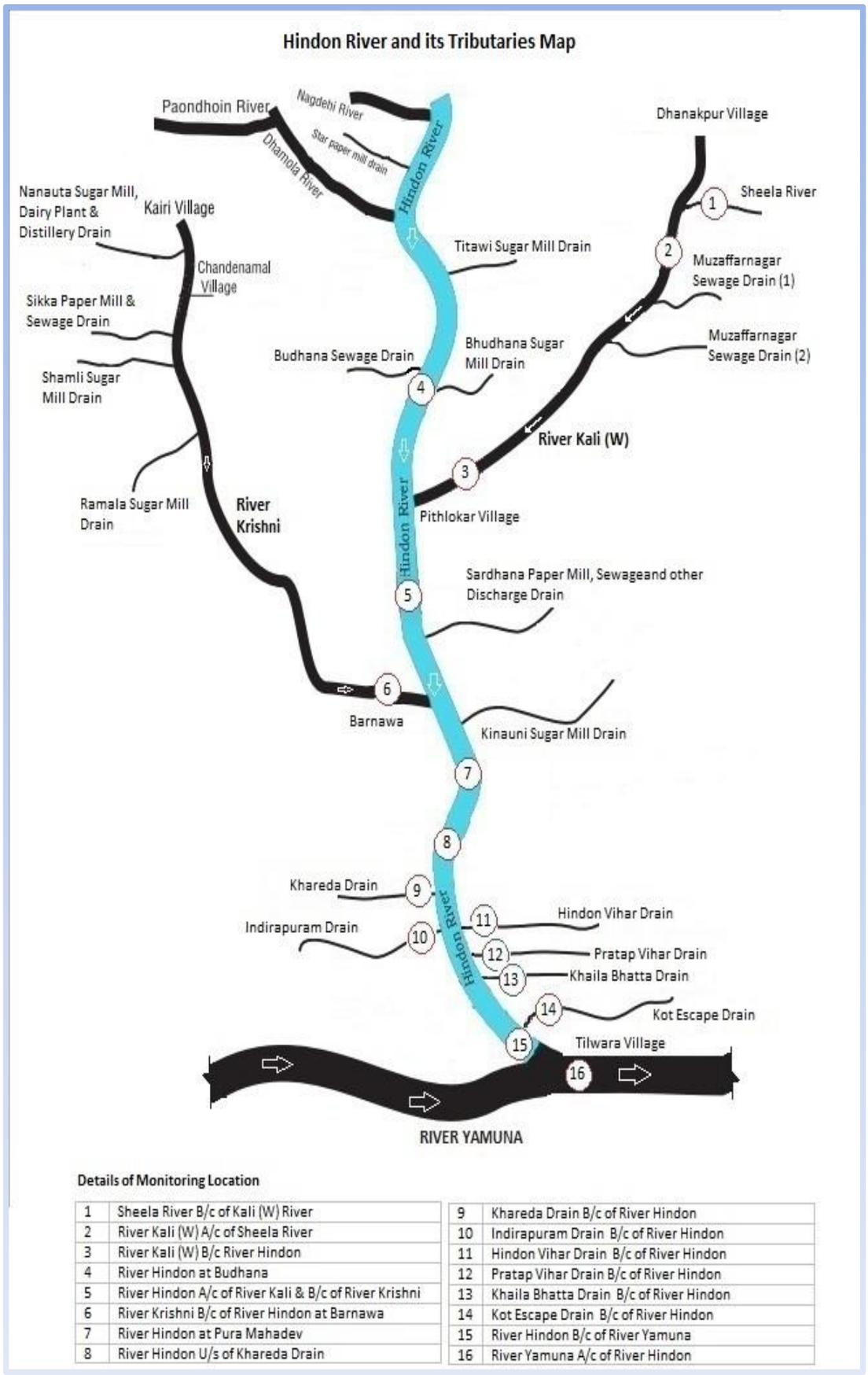


Figure 2. Sampling details of River Hindon, River Krishni, River Kali (West) and River Sheela as well as Drains

Photographs taken during the sampling of drains, river Hindon, River Krishni and River Kali (West) are given in **Figure 3**.

River Hindon, Puramahadev

River Krishni and Hindoan confluence

River Hindon A/c of River Kali (West) and B/c of River Krishni

River Kali (West), Muzaffar Nagar

River Kali B/c of Hindon

River Hindon at Budana

Sardana Drain

River Kali (West) A/c of River Sheela

Plsastic Waste in Drain Dadera Drain at Muzaffarnagar

River Krishni B/c of River Hindoan

Khareda Drain

U/s River Hindon –Khareda Drain

Indirapuram Drain

River Hindon B/c of River Yamuna

D/s River Yamuna after confluence of River Hindon

Figure 3. Sampling of Drains and River Hindon carried out by the Officials of CPCB and the Expert Member Constituted by the Hon'ble NGT (PB)

4.0. Status of water quality of ground water in the study area

As indicated in section 3.5.1, ground water samples (545 nos) were collected from 168 sampling locations by the joint inspection teams. 72 out of 168 ground water sampling locations are located within the industry premises and 96 ground water sampling locations are located outside industry premises. The ground water samples collected from afore-said locations were analysed for parameters such as Sulphates (SO_4), Fluoride (F) and Oil & Grease (O & G) as well as heavy metals such as Cadmium (Cd), Copper (Cu), Lead (Pb), Iron (Fe), Nickel (Ni), Zinc (Zn), Mercury (Hg) and Manganese (Mn) in CPCB Laboratories. Water Quality Monitoring Results of ground water samples collected by the Joint Inspection Teams is given in **Annexure-IX**. Minimum and maximum concentration of SO_4, Fluoride and heavy metals and no. of GW sampling locations not complying with the IS 10500-2012 drinking water specifications (acceptable limits), as amended is given **in Table 5.**

Table 5. Minimum and maximum concentration of SO_4, Fluoride and Heavy Metals and No. of GW sampling locations not complying with the IS 10500-2012 drinking water specifications (acceptable limits)

Sl. No	Details	Analysis results of Ground Water Samples for General Parameters and Heavy Metals In mg/l											
		SO_4	**F**	**Cd**	**Cu**	**Pb**	**Fe**	**Ni**	**Zn**	**Mn**	**Hg**	**O&G**	**Total Cr**
1	Minimum (in mg/l)	2	0.1	0.002	0.003	0.013	0.002	0.003	0.002	0.002	1	BDL*	0.002
2	Maximum (in mg/l)	330	2.5	0.74	1.25	1.74	21.81	0.02	9.12	1.03	2.16	10*	0.26
3	No. of locations exceeding the limit	5	11	4	5	14	33	-	4	13	39	01*	04
IS10500-2012 Drinking Water Specifications-Acceptable Limit (in mg/l)		**200**	**1.0**	**0.003**	**0.05**	**0.01**	**0.3**	**0.02**	**5**	**0.1**	**0.001**	**0.5***	**0.05**

Note: Generally in case of Groundwater samples, concentration less than or equal to 2 mg/l is indicated as BDL by CPCB laboratories. In such a case, no. of locations exceeding the BDL (2 mg/l) is only at one location. But as per BIS Drinking Water Specifications, mineral oil content at 67 GW sampling points exceed the limit of 0.5 mg/l.

Analysis results of the ground water samples collected from 168 sampling locations in U.P. State reveals that the samples w.r to Sulphate (SO_4^-), Fluoride (F), heavy metals such as Cadmium (Cd), Copper (Cu), Lead (Pb), Iron (Fe), Nickel (Ni), Zinc (Zn), Manganese (Mn), Mercury (Hg), O & G and Total Chromium (Cr) are in the order of 2 to 230 mg/l, 0.1 to 2.5 mg/l, 0.002 to 0.74 mg/l, 0.003 to 1.25 mg/l, 0.013 to 1.74 mg/l, 0.002 to 21.81 mg/l, 0.003 to 0.02 mg/l, 0.002 to 9.12 mg/l, 0.002 to 1.03 mg/l, 1 to 2.16 mg/l, BDL to 10 mg/l and 0.002 to 0.26 mg/l respectively.

5.0. Water quality status of River Hindon, Krishni, Kali (West), Sheela and the drains

During March 08, 2018 and April 13, 2018, as indicated in section 3.5.2, river water samples were collected from River Hindon at five locations (i.e., Budhana, after confluence of River Kali (West) and before confluence of River Krishni, at Pura Mahadev, on U/s and before confluence of Khareda Drain and before confluence of River Yamuna), River Krishni at Barnawa, River Kali (West) at two locations (i.e., at Budhana – Khatoli Road and before confluence of River Hindon and at U/s Muzaffar Nagar and after confluence Sheela river) and from Sheela River at B/c River Kali (W) as well as from River Yamuna after confluence of River Hindoan and 06 drains. Water Quality Monitoring Results of River Hindon, Krishni, Kali (W), River Yamuna & 06 drains collected during March- April, 2018 is given in **Annexure-X**. Analysis results of samples collected from 05 rivers and 06 drains with ranges for general parameters and heavy metals are given in **Table 6 and Table 7.**

Table 6. Analysis results (in ranges) of the samples collected from River Hindon, Kali (West), Krishni, Sheela and River Yamuna after confluence of River Hindon

Sl. No	Name of The River	No. of sampling locations	DO (mg/l)	BOD (mg/l)	Fecal Coliform (MPN/ 100 ml)	Analysis results for Heavy Metals in mg/l							
						Cd	Cr	Cu	Fe	Ni	Pb	Zn	Status of compliance w.r.to WQC limit
1	Hindon	05	0 to 1.9	9 - 238	3300 - 9200000	BDL	BDL to 0.21	BDL	0.7 to 7.05	BDL to 0.01	BDL	0.02 - 0.96	**Non-complying**
2	Kali (W)	02	0 to 6.6	3 - 311	240 - 1100000	BDL	BDL to 0.05	BDL to 0.03	0.58 - 2.9	BDL	BDL to 0.05	BDL to 0.58	**A/c of River Sheela complying**
3	Krishni	01	0	34	54000	BDL	BDL	BDL	0.7	BDL	BDL	0.03	**Non-complying**
4	Sheela	01	7.4	4	490	BDL	BDL	BDL	0.89	BDL	0.04	0.02	**Non-complying except FC**
5	Yamuna	01	0.6	14	1400000	BDL	0.20	BDL	4.21	BDL	BDL	BDL	**Non-complying**
Water Quality Criteria (WQC) Limit for Bathing			**≥ 5 mg/l**	**≤ 3 mg/l**	**≤ 500 MPN/ 100 ml**	**-**	**-**	**-**	**-**	**-**	**-**		

Table 7. Analysis results of the samples collected from 6 no. of drains contributing to pollution load in River Hindon

S. No. As per Map	Name of the drain/ Sampling Location	Date of sampling	Analysis results of drain samples in mg/l except pH											Compliance status
			pH	TDS	COD	BOD	Cd	Cr	Cu	Fe	Ni	Pb	Zn	
9	**Karheda Drain B/c of River Hindon**	11.04.2018	7.53	1768	350	103	0.002	0.29	0.06	8.86	0.11	0.14	2.07	**Non-complying w.r.to COD, BOD, Fe and Pb**
10	**Indirapuram Drain B/c of River Hindon**	11.04.2018	7.22	760	546	179	0.002	0.02	0.003	3.38	0.01	0.02	0.38	**Non-complying w.r.to COD, BOD and Fe**
11	**Hindon Vihar Drain B/c of River Hindon**	11.04.2018	7.3	1104	567	148	0.002	0.35	0.18	16.22	0.06	0.17	0.67	**Non-complying w.r.to COD, BOD, Fe and Pb**
12	**Pratap Vihar Drain B/c of River Hindon**	11.04.2018	7.08	2780	557	149	0.01	0.02	0.02	16.12	0.01	0.49	0.35	**Non-complying w.r.to COD, BOD, Fe and Pb**
13	**Khaila Bhatta Drain B/c of River Hindon**	11.04.2018	7.48	1088	393	169	0.002	0.09	0.003	5.09	0.04	0.013	0.22	**Non-complying w.r.to COD, BOD, and Fe**
14	**Kot Escape Drain B/c of River Hindon**	13.04.2018	7.4	264	26	7	0.002	0.05	0.003	2.32	0.003	0.013	0.002	**Complying**
Range in mg/l except pH			7.08 to 7.53	264 to 2780	26 to 567	7 to 179	0.002 to 0.01	0.02 to 0.35	0.003 to 0.18	2.32 to 16.22	0.003 to 0.11	0.013 to 0.49	0.002 to 2.07	
Effluent Discharge norms for inland surface water as per Schedule –VI of E (P) Rules, 1986 in mg/l except pH			**5.5 to 9.0**	**-**	**250 mg/l**	**30 mg/l**	**2.0 mg/l**	**2.0 mg/l**	**3.0 mg/l**	**3.0 mg/l**	**3.0 mg/l**	**0.1 mg/l**	**5.0 mg/l**	

Analysis results of the samples collected from 05 rivers reveals that the samples w.r to water quality criteria for bathing parameters such as dissolved oxygen (DO), bio-chemical oxygen demand (BOD) and Fecal Coliform (FC) in river Hindon & Kali (West) are in the order of 0 to 1.9 mg/l & 0 to 6.6 mg/l; 9-238 mg/l & 3-311 mg/l; 3300 – 9200000 & 3300 – 9200000 MPN/100 ml whereas in river Krishni, Sheela and Yamuna, the values of DO, BOD and FC are observed as nil, 7.4 & 0.6 mg/l; 34, 4 & 14 mg/l, 54000, 490 & 14,00,000 MPN/100 ml respectively.

Apart from the above, pesticides especially Organochloro Pesticides (OCPs) namely α-HCH, γ-HCH, Dieldrin, α-Endosulfan, β-Endosulfan and p.p'-DDE in the four rivers except River Sheel was observed as 'BDL', whereas β-HCH, Aldrin, o,p'-DDT, p,p'-DDT are observed in the order of BDL- 0.22 µg/l (exceeding the IS 10500-2012 limit of 0.04 µg/l at Kali B/c of River Hindon, River Hindoan at Budana, River Hindon A/c of Kali (West) and B/c of River Krishni); BDL to 8.57 µg/l (exceeding the limit of 2 µg/l at River Hindon at A/c of Kali (West) and B/c of River Krishni and River Hindon at Puramahadev); BDL-0.18 µg/l and BDL - 0.14 µg/l (< 1 µg/l). Organophosphorous Pesticides (OPPs) which include Dimethoate, Methyl Parathion, Malathion, Chloropyrifos and Ethren in the River Hindon, River Krishni, River Kali (West) and River Yamuna was observed as 'BDL' (i.e., 0.5 µg/l)

The analysis results of the samples collected from 06 drains reveals that the values of parameters such as pH, Total Dissolved Solids (TDS), BOD, Chemical Oxygen Demand (COD), Ammonia (NH_3-N), heavy metals such as Cadmium (Cd), Chromium (Cr), lead (Pb), Total chromium (Cr), Copper (Cu), Iron (Fe), Nickel (Ni), Lead (Pb) and Zinc (Zn) are in the order of 7.08 to 7.53, 264 to 2780 mg/l, 26 to 567 mg/l, 7 to 567 mg/l, 2.8 mg/l, 0.002 to 0.01 mg/l, 0.02 to 0.35 mg/l, 0.003 to 0.18 mg/l, 2.32 to 16.22 mg/l, 0.003 to 0.11 mg/l, 0.013 to 0.49 mg/l and 0.002 to 2.07 mg/l.

6.0 Assessment of compliance to the effluent discharge norms by the industries in the study area

As indicated at section 3.4, the joint inspection teams comprising officials of CPCB, U.P.Jal Nigam, UPPCB have inspected 317 industries (increase in one number of industry as one unit is having secondary unit namely M/s.Silverstone (Unit-II), Bhopa Road, Muzaffarnagar). 317 industries inspected by the joint inspection teams are grouped and the industries mainly comprises of pesticides, sugar, distillery, pulp & paper, tannery/leather, thermal power plant, electroplating, slaughter house/meat processing, dairy/milk processing, textile and dyeing, pharmaceutical/ayush, automobile, electrical & electronics, food processing, agro based and remaining grouped under other categories. Details are given in **Table 8.**

Table 8. Area/District-wise type of Industries (Grouped) located in U.P. State

Industry sector	Name of the Area/District								
	Bagpat	GB Nagar	Ghaziabad	G.Noida	Meerut	Muzaffar Nagar	Saharanpur	Shamli	Grand Total
Agro Based & Food Processing	-	-	01	02	-	-	-	-	**03**
Automobile	-	-	02	04	-	-	-	-	**06**
Chemical	-	-	02	-	-	02	-	-	**04**
Dairy/Milk	-	-	01	01	-	-	02	-	**04**
Distillery	-	-	02	-	01	02	03	01	**09**
Electrical & Electronics	-	-	05	01	-	-	-	-	**06**
Electroplating/ Phosphating & Galvanizing	-	-	19	27	-	-	-	-	**46**
Engg., Iron and Steel & Metal Industries	-	-	28	-	-	-	-	-	**28**
Others	-	-	12	-	-	02	-	-	**14**
Paint & Varnishes	-	-	-	01	-	-	-	-	**01**
Pesticides	-	-	01	-	-	-	-	-	**01**
Pharma/ Ayush	-	-	04	-	-	01	-	-	**05**
Pulp & Paper	-	-	04	02	01	29	18	02	**56**
Slaughter House	-	-	06	01	-	01	03	-	**11**
Sugar	01	-	-	-	01	06	04	02	**14**
Tannery	-	-	03	02	-	01	-	-	**06**
Textile & Dyeing	-	-	80	13	-	-	09	-	**102**
Thermal Power Plant	-	01	-	-	-	-	-		**01**
Grand Total	**01**	**01**	**170**	**54**	**03**	**44**	**39**	**05**	**317**

6.1 Operational Status of Industries

Out of 317 industries inspected, 221 industries are observed to be operational, 37 industries are not operational, 53 industries are observed to be closed, 02 industries are in operation partially and 04 industries does not exist at the addresses provided by the U.P. Pollution Control Board. Sector-wise operational status of industries is given in the **Table 9** and list of Industries which does not exist at the given address is given in **Table 10.**

Table 9. Industrial (Grouped) sector-wise operational status of 317 Industries

Sl. No	Industrial Sector	Operational	Partially Operational	Not in Operation	Closed	Does not exists at the given address	Total
1	Agro Based & Food Processing	03	-	-	-	-	03
2	Automobile	06	-	-	-	-	06
3	Chemical	02	-	-	02	-	04
4	Dairy	03	-	01	-	-	04
5	Distillery	06	01	-	02	-	09
6	Electrical & Electronics	04	-	-	02	-	06
7	Electroplating, Phosphating & Galvanizing	43	-	-	03	-	46
8	Engg., Iron and Steel & Metal	21	01	-	04	02	28

	Industries						
9	Paint & Varnishes	01	-	-	-	-	01
10	Pesticides		-	-	01	-	01
11	Pharmaceutical	05	-	-	-	-	05
12	Pulp & Paper	33	-	07	16	-	56
13	Slaughter House	06	-	05	-	-	11
14	Sugar	14	-	-	-	-	14
15	Tannery	05	-	01	-	-	06
16	Textile & Dyeing	60	-	22	19	01	102
17	Thermal Power Plant	01	-	-	-	-	01
18	Others	08	-	01	04	01	14
Grand Total		**221**	**02**	**37**	**53**	**04**	**317**

Table 10. List of Industries doesn't exist at the given address

S.No	Industry S.No As per List of UPPCB	Address of Industry
1	152	Yadav Industries, 7, Anand Ind. Estate, Mohan Nagar Ghaziabad.
2	213	New Colour Fashion & Dyeing, S-74, Loni Road Site-74 Loni Road, Gzb (Presently, M/s Animesh Graphic Engineers, S-74 Loni Road Ghaziabad) (Unit Changed)
3	216	M/s Sun Labtek Equipments Pvt. Ltd. Loni Road Industries Area Ghaziabad was operational instead of Pawan Dyer, S-83 Loni Road Ind. Area Mohan Nagar Ghaziabad
4	220	M/s Santosh Wire industries, C-6 Loni Road, Indl.Area, Mohan Nagar, Ghaziabad not existing at this address and instead M/s V.J. Metal Components Pvt Ltd is in opeartion

6.2 Status of Consents under Water Act, 1974/ Air Act, 1981 and Authorisation under the Hazardous & Other Waste (Management & Transboundary Movement) Rules, 2016 as amended

Out of 317 industries, 173 industries are having Consents under Water (Prevention and Control of Pollution) Act, 1974 and Air (Prevention and Control of Pollution) Act, 1981, 79 industries granted Consents by UPPCB already expired. Similarly, Out of 317 industries, 97 industries are having valid Authorisation whereas 45 industries authorisation granted under the Hazardous & Other Waste (Management & Transboundary Movement) Rules, 2016 as amended [H & OW (M & TM) Rules, 2016 as amended] was observed to be expired. The Status of Consents under Water & Air Acts and also the Authorisation under the H & OW (M & TM) Rules, 2016 as amended are given in **Table 11 and Table 12.**

Table 11. District / Area-wise Consent (under Water Act and Air Acts) Status of industries

District/Area	Consent (under Water Act and Air Acts) Status of industries (in numbers)						
	Valid	Expired	Not Applicable	Closed	Not Available	Does not exists at the given Address	Total
Bagpat	01	-	-	-	-	-	01
Gauthambuddh Nagar	01	-	-	-	-	-	01
Ghaziabad	105	26	02	30	03	04	170
Greater Noida	24	24	-	06	-	-	54
Meerut	01	02	-	-	-	-	03
Muzaffar Nagar	18	21	-	05	-	-	44
Saharanpur	18	06	-	12	03	-	39
Shamli	05	-	-	-	-	-	05
Total	**173**	**79**	**02**	**53**	**06**	**04**	**317**

Table 12. District/Area-Wise Authorization (under [H & OW (M & TM) Rules, 2016 as amended) Status of Industries

District/ Area	Authorization (under [H & OW (M & TM) Rules, 2016 as amended) Status of Industries (in Numbers)						
	Valid	Closed	Expired	Not applicable	Not Available	Not exists at the given Address	Total
Bagpat	-	-	01	-	-	-	01
Gauthambuddh Nagar	01	-	-	-	-	-	01
Ghaziabad	54	30	29	10	43	04	170
Greater Noida	16	60	04	02	26		54
Meerut	02	-	-	-	01	-	03
Muzaffar Nagar	21	05	09	-	09	-	44
Saharanpur	02	12	01	03	21	-	39
Shamli	01	-	01	-	03	-	05
Total	**97**	**53**	**45**	**15**	**103**	**04**	**317**

6.3 Status of industry-wise water consumption, waste water generation and final mode of industrial effluent discharge

Most of the industries (252 industries) are extracting water mainly from tube well /bore well, 02 industries are purchasing water through tankers, 01 industry reported to be extracting water from Upper Ganga Canal. About 95,270 KLD of water is consumed by the 255 industries and about 65,646 KLD of wastewater is generated by 232 industries (based on the information provided by the industry or as reported by the Joint Inspection Teams). About 32 industries are disposing the generated wastewater through CETP, 154 industries are discharging either treated or partially treated waste water into nearby drains which ultimately joins in river Hindon, 06 industries are storing in lagoons within the premises, 49 industries are claiming to be reused within the industry premises whereas 53 industries are closed, no information is available from 08 industries, 11 industries are dry process units and 04 industrial units does not exist at the given address. Industry-wise water consumption, waste

water generation and final mode of disposal of generated industrial effluent is given in **Annexure-XI** and the area/district-wise total water consumption, waste water generation and mode of final disposal of industrial effluent is given in **Table 13.**

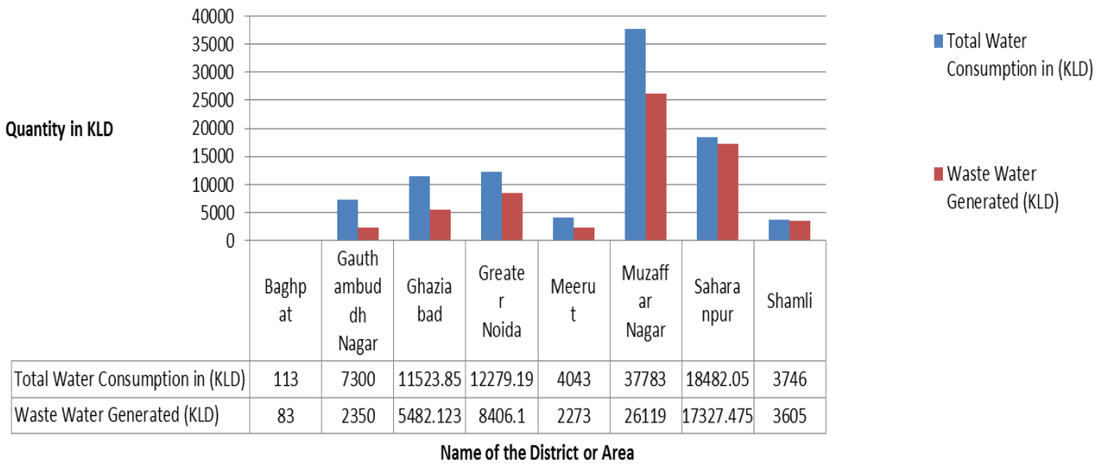
Table 13. Area/District-wise total water consumption, industrial waste water generation and final mode of disposal of generated industrial effluent

S. No	Name of the District/Area	No. of Industries	Total Water Consumption in KLD	Sources of Water	Total waste water generation from Industries in KLD	Final Mode of Disposal of industrial effluent in KLD			
						Drain	Reuse	Stored in Lagoon	CETP
1	Bagpat	01	113	Tube well/ Bore Well/ By Purchase through tankers/ Drawn from UGC	83	-	83	-	-
2	Gautambudh Nagar	01	7300		2350	2350	-	-	-
3	Ghaziabad	170	11524		5482*	3145	1431	-	421.35
4	Greater Noida	54	12279		8406	4253	4153	-	-
5	Meerut	03	4043		2273	294	1979	-	-
6	Muzaffar Nagar	44	37783		26119	16721	7831	1567	-
7	Saharanpur	39	18482		17327	13414	1151	2762	-
8	Shamli	05	3746		3605	-	3605	-	-
Grand Total		**317**	**95270**		**65646**	**40177**	**20233**	**4329**	**421.35**

**** Quanity of final mode of disposal generated industril effluent is not reported in respect of 11 Industries by the inspection Teams - 484.7 KLD***

Also, Area/district-wise water consumption and waste water generation from the industries is given In **Figure 4.**

Figure 4. Area/District-wise water consumption and wastewater generation from the Industrial sectors



	Baghpat	Gauthambuddh Nagar	Ghaziabad	Greater Noida	Meerut	Muzaffar Nagar	Saharanpur	Shamli
Total Water Consumption in (KLD)	113	7300	11523.85	12279.19	4043	37783	18482.05	3746
Waste Water Generated (KLD)	83	2350	5482.123	8406.1	2273	26119	17327.475	3605

6.4 Operational status of ETPs

Out of 317 industries, 221 industries are operational. 213 out of 221 industries in operation have installed ETPs. Out of 213 industries installed ETPs, as observed during the visit by the teams, 195 industries were operating ETPs and 18 industries were not operating ETPs, but ETP found to be exists. List of Industries in which ETP exist but not operational as observed by the joint inspection team is given in **Table 14.**

Table 14. List of Industries in which ETP exist but not operational

Sl. No	Industry S.No as per UPPCB List	Industry Name and Address	Type of industrial Sector	Date of inspection	Operation status	ETP exist (Y/N)	ETP in Operation (Y/N)
1.	19	M/s Bajaj Carpet (P) Ltd., Vill-Habibpur, Noida Dadri Road, Greater Noida	Dyeing (Carpet)	08.03.2018	Operational	Yes	No
2.	44	M/s Vikas Wire Industries PLOT NO.J- 37 SITE-C, Gr. Noida	Pickling (Wire Drawing)	08.03.2018	Operational	Yes	No
3.	45	M/s S.P. WIRE, PLOT NO. G-81, SITE -B, Industrial Area, Gr.Noida	Galvanising & Pickling (Wire Drawing)	08.03.2018	Operational	Yes	No
4.	127	Deep Industries Delhi Road, I.E., Delhi Road, Saharanpur	Textile Dyeing	07.03.2018	Operational	Yes	No
5.	168	M/s Lion Cycle & Rickshaw Industries, E·l0, B.S. Road Ind. Area Gzb. (Electroplating work is stopped since 2017 only fabrication work is done now days)	Mudguard Finished	12.03.2018	Operational	Yes	No
6.	169	Malik Nidles & Allied Products, Pvt. Ltd. C-108, Site -1, B.S Road, Industrial area Ghaziabad	Hand Sewing Needles	11.04.2018	Operational	Yes	No
7.	175	M/s Shakshi Metals Works, D-1A, Kavi Nagar Indl Area, Sec-7, Ghaziabad,U.P	Electroplating	12.03.2018	Operational	Yes	No
8.	178	M/s Shivam Engineering and Fabrication, A -282, south side, G.T. Road Indl area, Ghaziabad	Electroplating	11.04.2018	Operational	Yes	No
9.	179	M/s Shri Guru Kripa Industries, E-25, South side, Industrial area, G.T. Road, Ghaziabad,UP	Electroplating (Aluminium)	11.04.2018	Operational	Yes	No
10.	191	M/s Shree Ganga Paper Mills Pvt. Ltd. Bhurgadi, Dasna, Hapur Road, Ghaziabad, UP	Pulp And Paper(Waste Paper Based)	13.03.2018	Operational	Yes	No
11.	200	M/s Asha Tanu Prints Ltd., A-5/4 Loni road Mohan Nagar, Ghaziabad, U.P.	Dyeing & Printing	08-03-2018	Operational	Yes	No
12.	201	M/s Asha Prints,Ltd., A-5/4, 32 Loni road Mohan Nagar, Ghaziabad, U.P.	Dyeing & Printing	08-03-2018	Operational	Yes	No
13.	211	M/s. Meeta India Ltd., Plot No 21/2, Site II, Loni Road, Mohan Nagar, Ghazaiabad, UP.	Tractor Parts	11.04.2018	Operational	Yes	No
14.	212	M/s.Micro Gartex Industries, C·2, Loni Road Ind. Area, Ghaziabad, U.P.	Used To Dyeing Unit, Presently Manufactures Plastic And Rubber Products	12.04.2018	Operational	Yes	No
15.	223	M/s. Sunny Prints, 5/7, Site-II Industrial Area, Loni Road, Ghaziabad, U.P.	Dyeing & Printing	09-03-2018	Operational	Yes	No
16.	243	M/s. Sukrati Viddut Udyog Pvt.Ltd., D-39,Meerut Road Ghaziabad, U.P.	Standard Conductor Wire	5.3.2018	Operational	Yes	No
17.	260	M/s S.D Industries, E124, B.S Industrial area, Ghaziabad, UP.	Electroplating	07.03.2018	Operational	Yes	No
18.	289	M/s.Robust Infra Tech P Ltd., J-13, Apparel Park, Sector D-1(P3), Tronica City, Loni. Ghaziabad, U.P.	Dyeing	06-03-2018	Operational	Yes	No

6.5 Status of installation and operational status of OCEMS

221 out of 317 industries are operational. 72 industries have installed Online Continuous Effluent Monitoring System (OCEMS), 141 industries have not installed OCEMS, 06 industries does not require OCEMS being dry process and no information is available in case of two industries. 65 out of 72 industries have installed OCEMS and are operational and in case of 07 industries OCEMS exist but not operational.

7.0 Main findings and observations

Based on the analysis results of the samples collected from surface water bodies which include River Hindon, Krishni, Kali (West), Sheela and River Yamuna as well as 06 drains contributing to the pollution load in River Hindon followed by River Yamuna, assessment made by the 52 joint inspection teams w.r.to the status of compliance to the norms by the 317 industries as well as analysis results of the groundwater samples collected by the teams, main findings and the observations are given in the subsequent paras:

7.1 Ground water quality- compliance status

To assess the ground water sampling locations suitability for drinking water purpose, the analysis results of the ground water samples are compared with the Bureau of Indian Standard Drinking Water Specifications (second revision) IS10500-2012 w.r.to the acceptable limits. The analysis results of the ground water samples collected from the study area reveals that

- There is no contamination at 75 out of 168 ground water sampling locations (i.e. 38 locations within industry premises and 37 outside industry premises) whereas 93 groundwater sampling locations are contaminated with one or more parameters such as sulphate, fluoride, heavy metals such as cadmium, copper, lead, iron, nickel, zinc, mercury, Total chromium and manganese.

- Sulphate content in ground water samples is exceeding the acceptable limit (200 mg/l) of Bureau of Indian Standard drinking water specifications (second revision) IS10500-2012 at 5 locations (i.e., in G.Noida (01), Muzaffarnagar (01), Saharanpur (01) and Ghaziabad (2 locations). Fluoride content in groundwater samples is exceeding the limit of 1.0 mg/l at 11 locations (Bagpat (01), G.Noida (02), Meerut (01) and Ghaziabad (07), and O & G is exceeding only at one location Ghaziabad (i.e., ≥ BDL i.e., 2 mg/l).

- Heavy metals such as cadmium, copper, lead, iron, nickel, zinc, mercury and manganese are exceeding the Bureau of Indian Standard drinking water specifications (second revision) IS10500-2012 w.r.to the acceptable limits at 4, 5, 14, 33, nil, 04, 39 and 13 locations respectively.

- The area/district-wise no. of ground water sampling locations complying and not complying to the Bureau of Indian Standard Drinking Water Specifications (second revision) IS10500-2012 w.r.to the acceptable limits is given in **Figure 5** and area/district-wise and location-wise status of no. of ground water sampling locations complying to the Bureau of Indian Standard Drinking Water Specifications (second revision) IS10500-2012 w.r.to the acceptable limit is given in **Table 15.** Location-wise ground water sampling locations not

complying to IS10500-2012 w.r.to Drinking water standards is given in **Annexure-XII.**

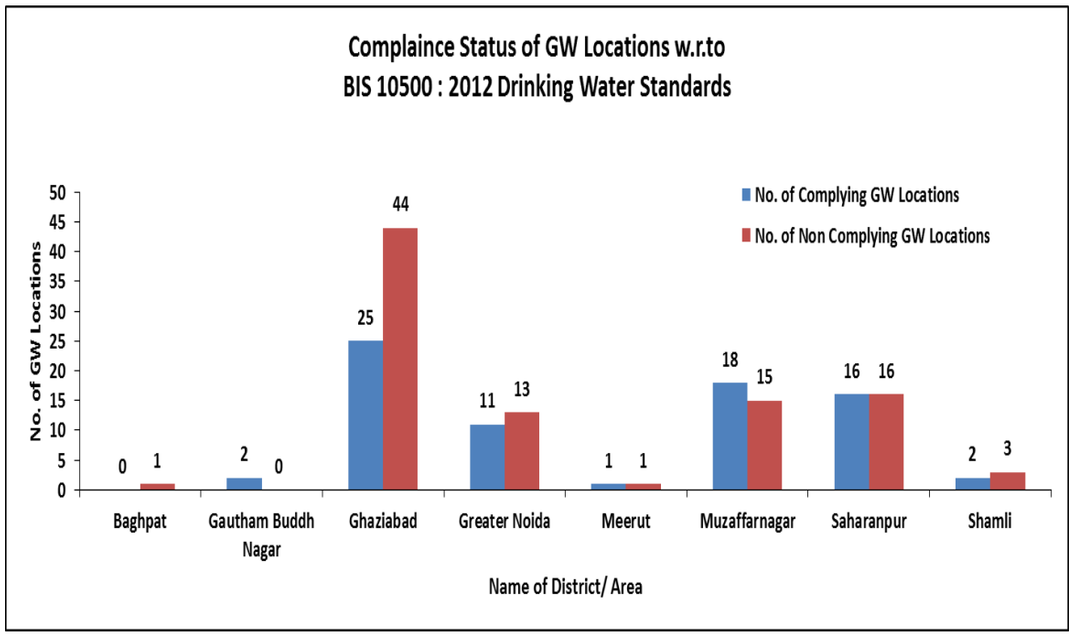


Figure 5.Area/District-wise no. of GW sampling locations complying and non-complying w.r.to IS 10500:2012 Drinking Water Standards

Table 15. Area/District-wise ground water sampling locations complying and non-complying to the Bureau of Indian Standard drinking water specifications (second revision) IS10500-2012 w.r.to the acceptable limits (within and outside industry premises)

Sl. No	District/ Area	No. of Ground Water Sampling locations		Total No. of Ground Water Sampling locations - Compliance w r to IS 10500 : 2012 Drinking Water Standards	
		Inside Industry Premises	Outside Industry	Complying	Non complying*
1	Bagpat	-	01	-	01
2	Gauthambuddh Nagar	01	01	02	-
3	Ghaziabad	28	41	25	44
4	Greater Noida	17	07	11	13
5	Meerut		02	01	01
6	Muzaffarnagar	15	18	18	15
7	Saharanpur	11	21	16	16
8	Shamli	-	05	02	03
Total		**72**	**96**	**75**	**93**

7.2 Findings on the river water and drains quality

For the purpose of analysing the data, the analysis results of the samples collected from river Hindon, River Krishni, River Kali (West), River Sheela is compared with the Water Quality Criteria for bathing**,** whereas the quality of drains is compared with Schedule-VI General Effluent discharge standards for discharge into inland surface water notified under the Environment (Protection) Rules, 1986 as detailed below:-

- The analysis results of the river Hindon, River Krishni, River Kali (West), River Sheela (given in **Annexure -X**) and the results reveal that only river Kali (West) after confluence of river Sheela is complying with water quality criteria whereas the water samples collected from river Hindon, river Sheela, river Krishni and river Yamuna at D/s of Tilwara Village (or A/c of River Hindon with river Yamuna) are not complying to the water quality criteria for bathing

The analysis results of 06 drain (viz., Khareda Drain, Indirapuram Drain, Hindon Vihar Drain, Pratap Vihar Drain, Khaila Bhatta Drain, and Kot Escape Drain) samples [**Given at Annexure –X (a)**] when compared with Schedule-VI discharge standards for discharge into inland surface water reveal the following

- All 06 drains are complying w.r.to the pH limit of 6.5 to 9.0;
- Only Kot escape drain is complying to the limit of BOD (30 mg/l), COD (250 mg/l) and Iron content (3 mg/l) whereas remaining 05 drains are not complying to these parameters which indicates that these drains are having discharge of sewage as well as industrial effluents.
- Drains namely Khareda Drain, Hindon Vihar Drain and Pratap Vihar Drain are not complying to the lead (Pb) content limit of 0.1 mg/l; and
- All 06 drains are complying to the limit of Total Chromium (2 mg/l); Copper (3 mg/l), Zn (5 mg/l), Ni (3 mg/l) and Cd (2 mg/l).

7.3 Findings on the compliance to the effluent discharge norms by the industries

Industry-wise observations and recommendations are given in **Annexure-XIII.** Based on the observations of the joint inspection teams and the analysis results of the industrial effluent samples collected from the industries reveal that 213 industries have installed ETPs.

- 195 out of 213 industries installed ETPs are operating ETPs whereas 18 industries are not operating the ETPs.

- 69 out of 195 industries are complying with the effluent discharge norms. Adopted ZLD/smples not taken by the visited team. 119 industries are not complying to the effluent discharge norms.

Area/District-wise no. of industries installed ETPs and ETPs operational and the total no. of industries complying and not complying to the effluent discharge norms is given in **Table 16**.

Table 16. Area/District-wise no. of industries installed ETPs and ETPs Operational and the total no. of industries complying and not complying to the effluent discharge norms

Sl. No	Name of the District/Area	Total No. of Industries installed ETPs and ETPs Operational	No. of Industries complying to the Effluent Discharge Norms	No. of Industries complying to the Effluent Discharge Norms	Total
1	**Bagpat**	01	-	01	01
2	**Gauthambuddh Nagar**	01	-	01	01
3	**Ghaziabad**	91	24	66	90
4	**Greater Noida**	43	12	30	42
5	**Meerut**	03	01	01	02
6	**Muzaffar Nagar**	37	23	12	35
7	**Saharanpur**	14	05	08	13
8	**Shamli**	05	04	-	04
	Grand Total	**195**	**69**	**119**	**188**

* *07 No. of Industries either adopted ZLD or Samples Not Taken*

Industrial-sector-wise (grouped) no. of industries complying and non-complying to the effluent discharge norms is given in **Table 17**.

Table 17. Industrial-sector-wise (grouped) no. of industries complying and non-complying to the effluent discharge norms

Induatrial Sector (Grouped)	No. of Industries			
	Complying	Non Complying	Not Applicable	Grand Total
Agro Based & Food Processing	-	03	-	03
Automobile	03	02	-	05
Chemical	02	-	-	02
Dairy	02	01	-	03
Distillery	01	-	05	06
Electrical & Electronics	01	02	-	03
Electroplating, Phosphating & Galvanizing	06	28	02	36
Engg., Iron and Steel & Metal Industries	05	12	-	17
Others	03	02	-	05
Paint & Varnishes	01	-	-	01
Pharmaceutical	02	03	-	05
Pulp & Paper	18	14	-	32
Sloughter House	04	02	-	06
Sugar	07	07	-	14
Tannery	01	04	-	05
Textile & Dyeing	13	38	-	51
Thermal Power Plant	-	01	-	01
Total	**69**	**119**	**07**	**195**

Industry-sector-wise (Grouped) no. of industries complying and non-complying w.r.to effluent discharge norms are given in **Figure 6 and Figure 7.**

Figure 6. Industry Sector Wise (Grouped) Complying to Effulent Discharge Norms (in Numbers and %)

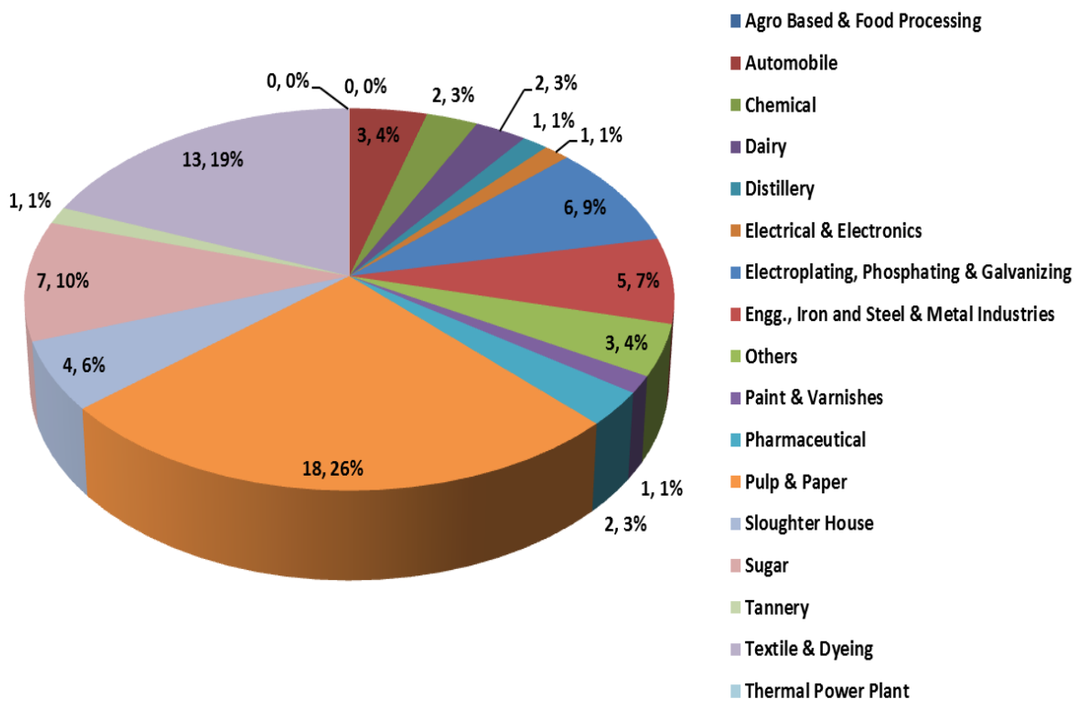
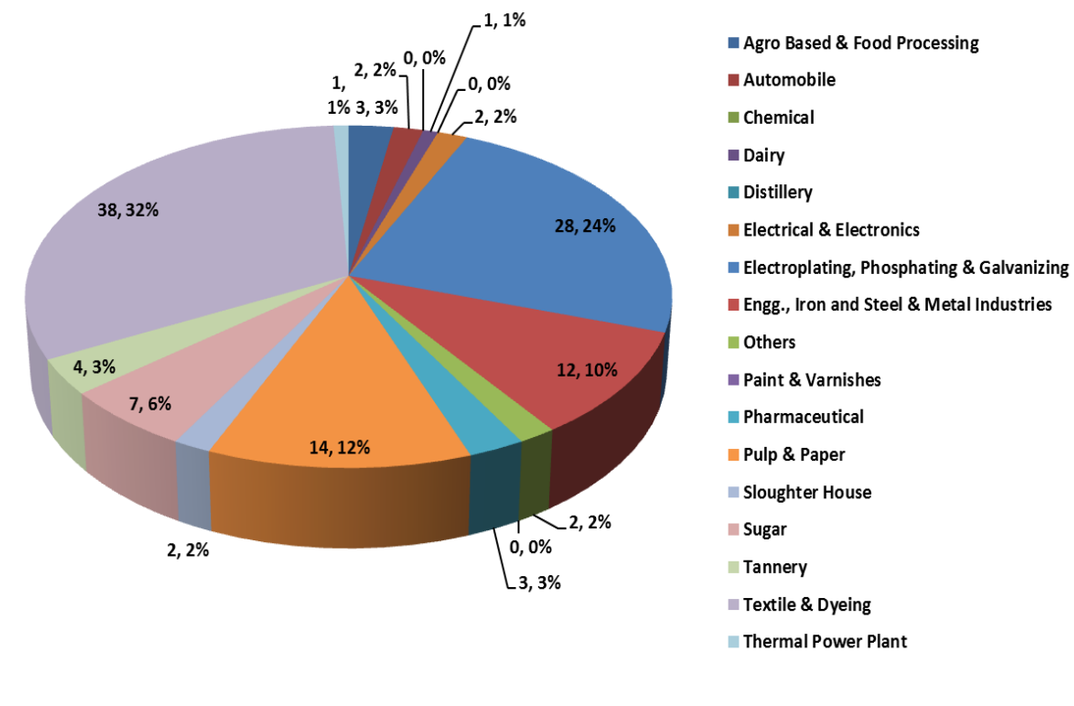


Figure 7. Industry Sector Wise (Grouped) Non Complying to Effulent Discharge Norms (in Numbers and %)



List of non-complying industries with respect to effluent discharge norms is annexed as **Annexure-XIV.**

7.4 General observations and recommendation of the joint inspection teams as well as expert member of the Committee

- Industries are not having valid Consents under Water (Prevention and Control of Pollution) Act, 1974, Air (Prevention and Control fo Pollution) Act, 1981 as well as Authorisation under the Hazardous & Other Waste (Management & Transboundary Movement) Rules, 2016 as amended. Even after applying, few industries are still awaiting for obtaining Consents from UPPCB. Few industries have not even obtained Consents but still in operation which is a serious violation and action is required to be taken by the UPPCB against such industries.

- All the industries have not installed electromagnetic flow meters at the raw water intake points so as to maintain records with regard to the total groundwater extraction on daily basis in compliance to the guidelines or NOC issued by CGWA .

- Effluent Treatment Plants (ETPs) are not fitted with flow meters at the inlet and outlet of ETPs so as to record and measure total inflow (untreated wastewater) and outflow (ttreated wastewater) from ETPs and either proper records are maintained with regard to the characterisitcs of treated waste for assessing consent compliance status as well as to decide final mode of disposal of treated effluent.

- In case of Industries, Consent parameters have been stipulated only for pH, TSS, BOD and COD by UPPCB, but all the parameters as applicable under the Environment (Protection) Act, 1986 has not been stipulated by UPPCB. Also, more stringent effluent norms shall be prescrined by the UPPCB as empowered under the Water Act, 1974 / Environment (Protection) Act, 1986.

- Also, in case of industries connected to CETPs, UPPCB stipulates only pH parameter as the PETP Standard/CETP inlet discharge standard and UPPCB has given reference only to the CETP inlet standards notified under the Enviornment (Protection) Act, 1986 but not prescribing all the parameters of CETP inlet standards.

- Only major industries like sugar, leather, distillery, thermal power plant, electroplating units have installed OCEMS. But, all the installed OCEMS are connected with the CPCB/UPPCB.

- Almost all the industrial units except few are using ground water resources as raw water in the industrial premises which may lead to over exploitation of

ground water or may lead to depletion of ground water resources rapidly over a period of time. Therefore, there is a need to check the permission granted by Central Ground Water Authority (CGWA) to the industries for extraction of groundwater for industrial activities keeping in view the protection of groundwater resources.

- 93 out of 168 groundwater sampling locations were observed to be contaminated with one or more parameter and require attention by the concerned authorities for making alternate arrangement especially in case of use of such water resources by the general public so as to avoid health impacts.

- Operation and maintenance of ETPs was observed to be very poor and requires training for proper O & M of the ETP to the Operators for which action need to be taken by the industry assosciations and UPPCB by engauging agency like NEERI or any other organisation having expertise in operation and maintenance of ETPs. .

- Choking of drains observed with improper disposal of solid waste or plastic waste which may be due to improper disposal of municipal solid waste or plastic waste.

- There is no adequate treatment capacity of sewage and the sewage generated from the townships located along the banks of the river Hindon/Kali (West)/ Krishni or Kali are generally discharging untreated sewage into nearby drains which are ultimately contributing to pollution load in the river Hindon, Krishni, Kali (West), Sheela and River Yamuna. Therefore, attention is required for development of adequate capacity of STPs by all the concerned including residential assosciation and local authorities to ensure proper treatment of sewage to comply with the STP discharge standards notified under the E (P) Act, 1986. Also, to encourage use of such treated sewage for bebeficial uses such as road/construction activities, gardening, industrial activity and arboriculture development.

- Industries located in the catchment of river Hindon are extracting groundwater resources abnormally for industrial activity and generated effluents are discharged either into drains outside industry premises which are not connected to the Common Effllluent Treatment Plants (CETPs) and ultimately these drains are carrying industrial effluents into river Hindon. Industries are not making any efforts to minimise water consumption by adopting 3 R principles such as reduction/reuse or recycling of treated effluent within the idnsutry premises so that over exploitation of ground water resources by the

industry can be minimised. Also, attention is required for development of adequate capacity of CETPs by the UPSIDC to ensure proper treatment and disposal of industrial effluents and also to comply with the effluent discharge norms

8.0 Recommendations- Action Plan for rrejuvenation of river Hindon

The action plan proposed for rejuvenation of river Hindon is enclosed as **Annexure-XV** for necessary action by all the concerned organisations.

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Annexure-I

BEFORE THE NATIONAL GREEN TRIBUNAL,
PRINCIPAL BENCH, NEW DELHI

Original Application No. 231 of 2014
And
Original Application No. 66 of 2015
(M.A. Nos. 192/2015 & 193/2015)

IN THE MATTER OF:

Doaba Paryavaran Samiti Vs. State of U.P. & Ors.
And
Doaba Paryavaran Samiti Vs. State of U.P. & Ors.

CORAM : HON'BLE MR. JUSTICE U.D.SALVI, JUDICIAL MEMBER, ACTING CHAIRPERSON HON'BLE DR. NAGIN NANDA, EXPERT MEMBER

Present:	**Applicant:**	**Mr. Gaurav Kumar Bansal, Adv., Ms. Nandita, Advs.**
	Respondent No. 2 :	**Mr. Ardhendumauli Kumar Prasad and Mr. Shashank Saxena, Advs. for MoH&FW**
	Respondent No. 5 & 6:	**Mr. Pradeep Kumar Misra, Adv. and Mr. Daleep Dhyani, Adv. For UPPCB**
	Respondent No.18:	**Mr. Rajkumar, Adv. with Mr. Bhupender Kumar, LA, Ms. Urmila Thakur, LO, for Central Pollution Control Board** **Mr. Amit Tiwari, Adv. for State of Uttar Pradesh** **Ms. Deep Shikha Bharathi, Adv.** **Mr. I.K. Kapila, Adv. for UP Jal Nigam** **Mr. B.V. Niren Adv. with Mr. Vinayak Gupta, Adv. for CGWA and Ministry of Drinking Water**

	Date and Remarks	**Orders of the Tribunal**
	Item No. 14 & 15 **January 16, 2018** **SS**	**M.A. No. 192 of 2015 and M.A. No. 193 of 2015** In view of the ongoing proceedings and the record produced before us, the Learned counsel appearing for the applicant submits that these applications being superfluous are not pressed. The M.A. No. 192 of 2015 and M.A. No. 193 of 2015 stand disposed of accordingly. **Original Application No. 231 of 2014 and Original Application No. 66 of 2015** These are the applications moved for seeking relief from pollution in: 1. Hindon river and her tributaries. 2. Groundwater in the following districts of Uttar Pradesh :- a) Saharanpur;

	Item No. 14 & 15 **January 16, 2018** **ss**	b) Ghaziabad; c) Samli; d) Meerut; e) Muzaffarnagar and f) Bagpat. In Original Application No. 231 of 2014, CGWA was impleaded and was directed to carry out survey of the catchment areas of the said river and her tributaries and give its report. The CGWA in pursuance to the order dated 07th September, 2016 carried out the necessary survey and filed report dated 26th October, 2016 (Page No. 1010, Volume I-D) giving the list of contaminants found in groundwater samples collected from the said area. The CGWA in pursuance to the order dated 06th June, 2017 further filed report dated 22nd July, 2017 and broadly identified the sources of contaminants namely geogenic and anthropogenic. In the meanwhile, we had constituted a team of Central Pollution Control Board, Uttar Pradesh Pollution Control Board and Uttar Pradesh Jal Nigam to carry out Study and collect data backed by analysis reports so as to answer the pertinent questions in relation to the discharge of effluents by the industries located in the said areas upon groundwater and public health. This Committee was further directed to carry out a physical check as to point of discharge of the said industries and verify whether the effluent generated were directly complying with the prescribed norms. The Committee was permitted to engage the experts from the field of Agriculture to examine excessive use of fertilizers, insecticides and

	Item No. 14 & 15 **January 16, 2018** **ss**	Pesticides causing contamination of groundwater and if so, the remedies therefor. Report of the Committee was expected within two months vide order dated 05th November, 2015 passed in Original Application No. 231 of 2014. Both these original applications were tagged together by the same order as these applications deal with the common subject matter that is the Ground water in the the said six districts. In Original Application No. 66 of 2015 Uttar Pradesh Pollution Control Board filed a report dated 29th October, 2015 in pursuance to the order dated 27th October, 2015 and placed before us Category-wise Status of 316 industries discharging in Hindon and its tributaries and parameters of the trade effluents of 44 industries therefrom. The Learned counsel appearing on behalf of the applicant submits that both in surface and groundwater in the said districts the following contaminants are noticed:- 1. Sulphide; 2. Fluoride; 3. Mercury; 4. Cadmium; 5. Copper; 6. Zinc; 7. Lead; 8. Iron; 9. Nickel and 10. Oil and Grease. He submits that the sources of these contaminants

	Item No. 14 & 15 **January 16, 2018** **ss**	are also anthropogenic in nature; and certainly one of its component being release of effluents from the industrial activity which in good measure is made of chemical compounds and, therefore, it is necessary to have a complete survey of all the industries in the catchment of river Hindon and its tributaries lying in the said six districts in order to crystallize the role of each industry in contributing the contaminants to surface and groundwater. We have already constituted a Committee of Central Pollution Control Board, Uttar Pradesh Pollution Control Board and Uttar Pradesh Jal Nigam to carry out survey as per the directions dated 05th November, 2015. We have yet to get feedback from the said Committee. We add one member to the said Committee i.e. Dr. A.B. Akolkar, Ex-Member Secretary of Central Pollution Control Board who has good experience in dealing with such matters. We therefore pass the following directions:- 1. The Committee so constituted comprising of Central Pollution Control Board, Uttar Pradesh Pollution Control Board, Uttar Pradesh Jal Nigam and Dr. A.B. Akolkar, Ex-Member Secretary, Central Pollution Control Board as its members shall carry out intensive survey of surface i.e. river Kali, river Hindon and river Krishni and other small rivulets and drains meeting Hindon river and groundwater in the said area. 2. They shall collect samples, cause analysis to be made of such samples at Central Pollution Control Board Laboratory.

	Item No. 14 & 15 **January 16, 2018** **ss**	3. They shall carry out joint inspections of 316 industries which are listed in the report dated 29th October, 2015 (Page 230, Volume I-A, Original Application No. 66 of 2015) and others as well to give answers to the queries already made and ascertain contribution of each of the industries in terms of the contaminants generated by them. 4. The Central Pollution Control Board and Uttar Pradesh Pollution Control Board shall bear the expenses of the said inspection team in terms of the order passed on 20th April, 2017 in Samir Mehta Vs. Union of India & Ors.. The inspection shall be completed and report shall be submitted to the Tribunal within two months. 5. The Central Pollution Control Board shall be convener of the team. In case of any difficulty the Central Pollution Control Board may approach the Tribunal. 6. Necessary Police Protection shall be given to the Joint Inspection Team and/or its members for the purposes of execution of this order. List these cases on 19th March, 2018. ….……,ACP (U.D. Salvi) ….……,EM (Dr. Nagin Nanda)

Annexure-II

BEFORE THE NATIONAL GREEN TRIBUNAL,
PRINCIPAL BENCH, NEW DELHI

Original Application No. 231 of 2014
And
Original Application No. 66 of 2015

IN THE MATTER OF:

Doaba Paryavaran Samiti Vs. State of U.P. & Ors.
And
Doaba Paryavaran Samiti Vs. State of U.P. & Ors.

CORAM : HON'BLE DR. JUSTICE JAWAD RAHIM, JUDICIAL MEMBER
HON'BLE MR. JUSTICE S.P. WANGDI, JUDICIAL MEMBER
HON'BLE DR. NAGIN NANDA, EXPERT MEMBER

Present:

Applicant:	**None appeared**
Respondent No. 2 :	**Mr. Ardhendumauli Kumar Prasad and Mr. Shashank Saxena, Advs. for MoH&FW**
Respondent No. 5 & 6:	**Mr. Pradeep Kumar Misra, Adv. and Mr. Daleep Dhyani, Adv. For UPPCB**
Respondent No.18:	**Mr. Rajkumar, Adv. with Mr. Bhupender Kumar, LA, Ms. Urmila Thakur, LO, for Central Pollution Control Board**
	Mr. Amit Tiwari, Adv. for State of Uttar Pradesh
	Ms. Deep Shikha Bharathi, Adv.
	Mr. I.K. Kapila, Adv. for UP Jal Nigam
	Mr. B.V. Niren Adv. with Mr. Vinayak Gupta, Adv. for CGWA and Ministry of Drinking Water

	Date and Remarks	Orders of the Tribunal
	Item Nos. 27-28 **March 19, 2018**	There is written request for adjournment which is not opposed. Hence adjourned to 03rd May, 2018. .....,JM (Dr. Jawad Rahim) .....,JM (S.P. Wangdi) .....,EM (Dr. Nagin Nanda) 19.03.2018

Annexure-III

BEFORE THE NATIONAL GREEN TRIBUNAL,
PRINCIPAL BENCH, NEW DELHI

Original Application No. 231 of 2014
And
Original Application No. 66 of 2015

IN THE MATTER OF:

Doaba Paryavaran Samiti Vs. State of U.P. & Ors.
And
Doaba Paryavaran Samiti Vs. State of U.P. & Ors.

CORAM : HON'BLE DR. JUSTICE JAWAD RAHIM, ACTING CHAIRPERSON
HON'BLE MR. JUSTICE S.P. WANGDI, JUDICIAL MEMBER
HON'BLE DR. NAGIN NANDA, EXPERT MEMBER

Present:	**Applicant:**	**None appeared**
	Respondent No. 2 :	**Mr. Ardhendumauli Kumar Prasad and Mr. Shashank Saxena, Advs. for MoH&FW**
	Respondent No. 5 & 6:	**Mr. Pradeep Kumar Misra, Adv. and Mr. Daleep Dhyani, Adv. For UPPCB**
	Respondent No.18:	**Mr. Rajkumar, Adv. with Mr. Bhupender Kumar, LA, for Central Pollution Control Board** **Mr. Amit Tiwari, Adv. for State of Uttar Pradesh** **Ms. Deep Shikha Bharathi, Adv.** **Mr. I.K. Kapila, Adv. for UP Jal Nigam** **Mr. B.V. Niren Adv. with Mr. Vinayak Gupta, Adv. for CGWA and Ministry of Drinking Water**

	Date and Remarks	Orders of the Tribunal
	Item Nos. 18 & 19 **May 03, 2018** **A**	Mr. Rajkumar learned counsel for Central Pollution Control Board submits that out of the 1166 samples collected, 50% of which have been analysed and would require further six weeks' time to complete analysis of the remaining samples. In view of this submission, we grant the requested period of time for submission of analysis report. Mr. Kapila submits that Government of Uttar Pradesh has to release amount for 72 schemes costing Rs. 138.5 Crores. We direct State of Uttar Pradesh to take notice of this submission. List this matter on 12th July, 2018. .....,ACP (Dr. Jawad Rahim)

	Item Nos. 18 & 19 **May 03, 2018** **A**	……,JM (S.P. Wangdi) ……,EM (Dr. Nagin Nanda) 03.05.2018

Annexure-IV

CENTRAL POLLUTION CONTROL BOARD
(Ministry of Environment, Forest and Climate Change)
Parivesh Bhawan, E. Arjun Nagar
DELHI-110 032
****

Minutes of the meeting held on 16.02.2018 at 10.30 a.m in CPCB for ensuring compliance to the Hon'ble NGT (PB), New Delhi Order dated 16.1.2018 in the matter of O.A. No. 231/ 2014 and O.A. No. 66/ 2015 filed by Doaba Paryavaran Samiti Vs State of Uttar Pradesh & Others.

A meeting was convened by the 'Member Secretary, CPCB' on 16.02.2018 at 10.30 a.m. in CPCB Office at Delhi with the Officials of Uttar Pradesh Pollution Control Board (UPPCB) and U.P. Jal Nigam to discuss issues regarding action to be taken in compliance to the Hon'ble NGT Order dated 16.01.2018 which include (i) Assessment of Water Quality of Rivers Viz., Kali, Hindon & Krishni as well as small rivulets and drains meeting Hindon river in the identified areas; (ii) Assessment of Ground Water Quality in Six Districts viz. Saharanpur, Ghaziabad, Meerut, Muzaffarnagar, Samli and Bagpat.; (iii) Joint Inspection of 316 Industries located in Six Districts of UP; (iv) Preparation & Finalization of Report and Its submission to Hon'ble NGT. The list of officials attended the meeting is attached as **Annexure – I**.

After having brief introduction by the officials attended the meeting, Dr. R.M.Bharadwaj, Addl. Director, WQM-I in CPCB welcomed all the officials and informed that the 'Member Secretary, CPCB' as well as Dr.A.B.Akolkar, Ex-Member Secretary (CPCB consultant) could not attend this meeting in view of the other pre-occupied official engagements. Thereafter, he informed that this Committee can discuss on the afore-said issues. Firstly, Dr.Bharadwaj stated that it is important to understand the Hon'ble NGT order so that this committee can work out action plan for ensuring compliance with all the directions *within two months from the date of order* and thereafter, he also read out the order of Hon'ble NGT (PB) in the matter of O.A. No. 231/ 2014 and O.A. No. 66/ 2015.

The Officials attended the meeting deliberated on the issues which included sampling of Hindon river in identified districts, sampling of ground water from each district and industries to be inspected by the joint inspection teams. During the meeting, UPPCB representative provided the list of 316 industries which are located in the catchment of river Hindon.

Dr.A.K.Vidyarthi, I/c WQM-II, CPCB informed the Committee that in compliance to the Hon'ble NGT order, the Committee constituted by NMCG already carried out assessment of water quality of river Hindon, river Kali and river Krishni including drains in the month of January 2018 and the results are expected soon and he suggested that results can be included as a part of this Committee also. The representative of Law Cell in CPCB suggested the committee that action to be taken in compliance to the Hon'ble NGT order dated 16.01.2018 and if required additional time may be saught from Hon'ble NGT after appraising the actions initiated. After detailed discussions, deliberations, following decisions were made by the Committee -

i) CPCB shall communicate about the Constitution of Joint Inspection Teams to 'Member Secretary, UPPCB' 'MD, U P Jal Nigam', and a copy to all the concerned, by 21 nd February, 2018 for initiating further action in ensuring co-ordination with the concerned inspection team members.

ii) Joint Inspection of 316 industries shall be completed within 15 days from the date of Constitution of the Joint Inspection Team (s).

iii) Assessment of Ground Water Quality in six identified districts shall be carried out by the teams comprising Officials of CPCB, UPPCB, U P Jal Nigam and U.P. District Agriculture Office along with the monitoring of the industrial units.

iv) The representative of LO, CPCB was requested to collect the detailed report filed by CGWA to the Hon'ble NGT.

v) Collected water samples during the inspection shall be submitted at the CPCB (HO) Laboratory by the respective Joint Inspection Teams members soon after completion of the visit and the analysis of submitted samples shall be completed by 09 th March, 2018 by CPCB (HO) Laboratory. Thereafter, the inspection reports duly signed by the inspection team members shall be submitted by 13.03.2018 to the WQM-I Division, CPCB for compilation and preparation of the interim report/ comprehensive report

vi) If required, Committee may submit an 'Interim Report' on next date of hearing through Legal Cell in CPCB and may seek additional time for submission of the detailed report preparation and its submission to the Hon'ble NGT, after approval of the report by the Committee.

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CENTRAL POLLUTION CONTROL BOARD

Parivesh Bhawan, East Arjun Nagar
Delhi – 110032
****

Meeting with UPPCB, U.P Jal Nigam held on 16.02.2018 in CPCB to discuss Follow –up Action on Hon'ble NGT (PB), New Delhi Order Dated 16.01.2018 in the matter of O.A. No. 231/2014 and O.A. No. 66/2015'

Attendance Sheet

S.No.	NAME	ORGANISATION	DESIGNATION
1.	Sh. A. K. Srivastava	U.P. Jal Nigam	Chief Engineer
2.	Sh. Sanjay Kumar Gautam	U.P. Jal Nigam	Executive Engineer
3.	Sh. Manna Singh	U.P. Jal Nigam	Project Manager
4.	Sh. R. K. Tyagi	UPPCB, Regional Office, Meerut	Regional Officer
5.	Sh. Vijay	UPPCB, Regional Office, Meerut	AEE
6.	Sh. A. K Tiwari	UPPCB, Regional Office, Ghaziabad	Regional Officer
7.	Dr. D. S. Kharat	CPCB	Additional Director
8.	Sh. Kamal Bandhu	CPCB, Law Section	Assistant Law Officer
9.	Sh. Kuldeep Singh	CPCB, IPC-III Division	RA-I
10.	Sh. R. M Bhardwaj	CPCB, WQM-I Division	Scientist 'E' & I/c WQM-I Div.
11.	Sh. J.C. Babu	CPCB, WQM-I Division	Scientist 'D'

Annexure-V

CENTRAL POLLUTION CONTROL BOARD
(Ministry of Environment, Forests & Climate Change)
Parivesh Bhawan, East Arjun Nagar,
Delhi-110032

OFFICE ORDER

No-A-14011/1/2018-MON/2635 **23.02.2018**

Subject: - Hon'ble NGT (PB), New Delhi order dated 16.1.2018 in the matter of O.A No 231/2014 and O.A No 66/2015 – Joint Inspection of Industries and Assessment of Ground Water Quality in Identified Six Districts of U.P. State- reg.

Hon'ble NGT (PB) vide order dated 16.1.2018 in the matter of O.A No 231/2014 and O.A No 66/2015, constituted a Committee comprising Central Pollution Control Board, Uttar Pradesh Pollution Control Board and Uttar Pradesh Jal Nigam and Dr A.B.Akolkar, Ex-Member Secretary, CPCB to carry out joint inspection of 316 industries identified as well as sampling of surface water i.e. river Kali, river Hindon, river Krishni and other small rivulets and drains meeting Hindon river as well as sampling of groundwater in six districts viz. Saharanpur, Ghaziabad, Samli, Meerut, Muzzafarnagar & Baghpat.

(2) Tentative schedule of joint inspection of 6 (six) no. of identified industries to be inspected and for sampling of ground water in the identified area by each Joint Inspection Team and the respective Team Leader is annexed.

(3) During the inspection, the Joint Inspection Team (s) shall collect industrial effluent (ETP), any other effluent discharge observed, ground water (i.e. hand pump/ bore well/ tube well) samples in the surrounding vicinity. The collected samples shall be submitted to the CPCB (HO) Labs by the respective joint inspection team as soon as the visit is completed in a particular day/next day without fail.

(4) The joint inspection team shall also collect information about the industry such as in operation/not in operation, product-wise raw material consumption in tonnes per tonne of product, production and raw materials consumption details in TPA, validity of consents under the Water & Air Acts or Authorisation under the Hazardous and Other Waste (Management & Transboundary Movement) Rules, 2008 as applicable, sources of water supply, installation of electromagnetic flow meters & their readings, water consumption (in KL/ tonne of product), wastewater generation (in KL/ tonne of product), ETP including installation and operation of continuous online emission monitoring system at the outlet, mode of treated and untreated effluent discharge. The collected information shall be detailed in the inspection report including main observations made during the visit as well as status of compliance to the effluent discharge standards. The inspection report shall be submitted by 13th March, 2018 to I/c WQM-I Div. in CPCB.

(5) TA/DA of officials as a part of the Joint Inspection Team shall be borne by the respective parent organisation as per entitlement and rules.

(6) The time schedules and the submission of the reports shall be adhered strictly by all the Joint Inspection Teams.

(7) The monitoring activities will be co-ordinated by WQM-I Division Officials (Shri R.M.Bharadwaj, I/c WQM-I, M: 9868211284, Shri J.C.Babu, Sc'D', M: 9868278903 & Smt. Suniti Parashar, Sc'B',M: 9868819711)

Sd/-

(A.Sudhakar)
Member Secretary

Encl.: As above

Copy to:

1.	PS to CCB	:	For kind information of 'CCB' please
2.	PS to MS	:	For kind information of MS'' please
3.	Dr A.B.Akolkar, Ex-Member Secretary	:	For kind information please
4.	I/c F&A Division	:	For kind information and the expenditure incurred towards hiring vehicle and special monitoring allowance /TA/DA as applicable to the official of Joint Inspection Team shall be debited from Project Head - I.
5.	Concerned Official	:	For necessary action please
6.	I/C- Building Section	:	For arrangement of office vehicle/hired vehicle during the tentative inspection dates
7.	I/c Water Lab	:	For analysis of water samples for physico-chemical parameters
8.	I/c Instrumentation Lab	:	For analysis of water samples for heavy metals
9.	I/c NRTOL	:	For analysis of water samples for pesticides

Sd/-

(A.Sudhakar)

Annexure-V (a)

Central Pollution Control Board

(Ministry of Environment, Forest & Climate Change, Govt. of India)

Parivesh Bhawan, East Arjun Nagar,
Delhi – 110032

OFFICE ORDER

No- A-14011/1/2018-MON/47 Date: 26.03.2018

Subject: Hon'ble NGT (PB), New Delhi order dated 16.01.2018 in the matter of O.A No 231/2014 and O.A No 66/2015 – Joint Inspection of Industries and Assessment of Ground Water Quality in Identified Six Districts of U.P State - reg.

In continuation of office order No-A-14011/1/2018-MON-2635 dated 23.02.2018 (copy enclosed) for ensuring compliance to the Hon'ble NGT (PB) order dated 16.01.2018 in the matter of O.A No 231/2014 and O.A No 66/2015 for carrying out joint inspection of identified 316 Industries located in six districts of U.P and sampling of surface water i.e. River Kali, River Hindon, River Krishni & other rivulets and drains meeting Hindon River as well as sampling of Ground Water in six districts viz. Saharanpur, Ghaziabad, Shamli, Meerut, Muzaffarnagar and Baghpat, the constituted teams (as enclosed) are requested to complete the Joint Inspection of the identified Industries along with UPPCB & UP Jal Nigam representatives and inspection reports shall be submitted by 15th April, 2018 to I/c WQM-I Div. in CPCB to enable to finalize the report for submission to Hon'ble NGT within the next date of hearing.

For any further information please contact Sh. R.M Bhardwaj, I/c WQM-I, M: 9868211284, Sh. J.C Babu, Sc 'D', M: 9868278903 & Smt. Suniti Parashar, Sc 'B', M: 9868819711

This is issued with the approval of the Competent Authority.

Sd/-
(R.M. Bhardwaj)
Scientist 'E' & In-Charge WQM-I Div.

Encl: As above

Copy to:

1. PS to CCB	:	For kind information of 'CCB' please
2. PS to MS	:	For kind information of 'MS' please
3. Dr. A. B Akolkar, Ex-Member Secretary	:	For kind information please
4. I/c F&A Division	:	For kind information & the expenditure incurred towards hiring vehicle and special monitoring allowance/TA/DA as applicable to the Official of Joint Inspection Team shall be debited from Project Head-I
5. I/c Building Section	:	For arrangement of office vehicle/hired vehicle during the tentative inspection dates
6. I/c Water Lab	:	For analysis of Water Samples for Physico-chemical Parameters
7. I/c Instrumentation Lab	:	For analysis of Water Samples for heavy metals
8. I/c NRTOL	:	For analysis of Water Samples for Pesticides
9. Concerned Divisional Head	:	For kind information please

-
(R.M Bhardwaj)

Details of Joint Inspection Teams

S No	Teams	Team Leader	Designation and Division	SL. No. and Name of the Industry to be inspected as per list enclosed – Annexure - I
1.	**Team 1**	Shri. S K Paliwal	Sc 'D', IPC - II	S No 1 to 6
2.	**Team 2**	Sh. P Mani	Sc 'D', IPC - II	S No 7 to 12
3.	**Team 3**	Shri. J C Babu	Sc 'D', WQM - I	S No 13 to 18
4.	**Team 4**	Shri. Kamlesh Singh	Sc 'D', IPC - III	S No 19 to 24
5.	**Team 5**	Ms. Smiriti Upadhyay*	Sc 'D', IPC - VI	S No 25 to 30 & 210 to 213
6.	**Team 6**	Dr. K Ranganathan	Sc 'D', IPC - VII	S No 31 to 36
7.	**Team 7**	Shri. Rajesh Debroy	Sc 'D', UPC - I	S No 37 to 42
8.	**Team 8**	Shri. Vishal Gandhi	Sc 'D', UPC - I	S No 43 to 48
9.	**Team 9**	Shri. Sharandeep Singh	Sc 'D', UPC - II	S No 49 to 54
10.	**Team 10**	Dr. K M Uday Kumar	Sc 'D', WM - I	S No 55 to 60
11.	**Team 11**	Shri. G K Ahuja*	Sc 'D', WM - II	S No 61 to 66 & 205 to 209
12.	**Team 12**	Smt. P K Selvi	Sc 'D', WM - II	S No 67 to 72
13.	**Team 13**	Shri. Vinay Gangal replaced with Shri. Y. N. Mishra	Sc 'B', IPC - VI	S No 73 to 78
14.	**Team 14**	Shri. Tarun Darbari	Sc 'D', AQM	S No 79 to 84
15.	**Team 15**	Shri. M K Biswas	Sc 'D', WQM-I	S No 85 to 90
16.	**Team 16**	Mrs. Anjana Singh	Sc 'D', IT	S No 91 to 96
17.	**Team 17**	Sh. K. N Das replaced with Sh. Danish Meena	Sc 'B', UPC - I	S No 97 to 103
18.	**Team 18**	Sh. U.A. Ansari	Sc 'D', IT	S No 104 to 110
19.	**Team 19**	Sh. Ramesh Chand Rajput**	Sc 'B', Air Lab	S No 217 to 219
20.	**Team 20**	Shri. R C Srivastava	Sc 'D', Air Lab	S No.115 to 120
21.	**Team 21**	Shri. S K Sharma	Sc 'D', Air Lab	S No 121 to 126
22.	**Team 22**	Shri. P Krishnamurthy	Sc 'D', Air Lab	S No 127 to 132
23.	**Team 23**	Dr. D K Markandey	Sc 'D', Bio Lab	S No 133 to 138
24.	**Team 24**	Sh. M.N Mohanan	Sc 'D', Air Lab	S No 139 to 144
25.	**Team 25**	Dr. B Kumar	Sc 'D', NRTOL	S No 145 to 150
26.	**Team 26**	Mrs. Namita Mishra	Sc 'C', Inst Lab	S No 151 to 156
27.	**Team 27**	Mrs. Deepti Kapil	Sc 'C', WM - II	S No 157 to 162
28.	**Team 28**	Mrs. Youthika	Sc 'C', WM - I	S No 163 to 168
29.	**Team 29**	Shri Abhijit Pathak	Sc 'C', Air Lab	S No 169 to 174
30.	**Team 30**	Shri. G Rambabu	Sc 'C', WM - I	S No 175 to 180
31.	**Team 31**	Sh. S.S Sharma	Sc 'B', Inst. Lab	S No 181 to 186 & 220
32.	**Team 32**	Shri. Ankush Tewani	Sc 'C', IPC - IV	S No 187 to 192
33.	**Team 33**	Shri. Vivek Kumar	Sc 'C', IPC - III	S No 193 to 198
34.	**Team 34**	Shri. Ankur Tiwary	Sc 'C', IPC - II	S No 199 to 204
35.	**Team 35**	Sh. Abhas Kumar Maharana**	Sc 'B', WQM-II	S No 111 to 114
36.	**Team 37**	Dr. Priyanka Choudhary	Sc 'C', WQM-II	S No 310 to 312
37.	**Team 38**	Shri. D C Jakhwal	Sc 'C', IPC - II	S No 223 to 228
38.	**Team 39**	Shri. Mukesh Balodhi	Sc 'C', IPC - I	S No 229 to 234
39.	**Team 40**	Shri. Ashbir Singh	Sc 'C', IPC - I	S No 235 to 240
40.	**Team 41**	Shri. J K Bhatia*	Sc 'B', Water Lab	S No 241 to 246, 214, 215, 221 & 222
41.	**Team 42**	Shri. S K Singh	Sc 'B', NRTOL	S No 247 to 252
42.	**Team 43**	Shri. Dev Prakash	Sc 'B', NRTOL	S No 253 to 258
43.	**Team 44**	Shri. B K Jena	Sc 'B', Inst Lab	S No 259 to 264
44.	**Team 45**	Ms. Yogita Kharayat	Sc 'B', Bio Lab	S No 265 to 270
45.	**Team 46**	Shri. M Satheesh Kumar	Sc 'B', Air Lab	S No 271 to 276
46.	**Team 47**	Shri. Ramesh Chand Rajput	Sc 'B', Air Lab	S No 277 to 282
47.	**Team 48**	Shri. Lokesh Kumar	Sc 'B', Air Lab	S No 283 to 288
48.	**Team 49**	Shri. Fasiur Rehman	Sc 'B', Air Lab	S No 289 to 294
49.	**Team 50**	Shri. Saubhagya Dixit	Sc 'B', IPC - VI	S No 295 to 300
50.	**Team 51**	Shri. V K Upadhyay	Sc 'B', IPC - VII	S No 301 to 306
51.	**Team 52**	Mrs. Suniti Parashar	Sc 'B', WQM - I	S No 307 to 309 & 216
52.	**Team 53**	Shri. Dharmendra Gupta	Sc 'B', Air Lab	S No 313 to 316

***** Industries to be inspected by Sh. Rathnesh Kumar Sc 'B'; Sh. Y.D Pandey Sc 'B' as per Office Order No-A-14011/1/2018-MON dated 23.03.2018 has been distributed to Ms. Smriti Upadhyay Sc'D'; Sh. G.K Ahuja Sc'D'; and Sh. J.K Bhatia Sc 'B'.

** 4 Industries yet to be inspected by Sh. R.C Rajput Sc 'B' has been given Sh. Abhas Kumar Maharana Sc 'B'.

Annexure-VI

By Registered Post/Speed Post

A – 14011/ WQM – I/ 2018/17498 **23/2/2018**

To
The Member Secretary
Uttar Pradesh Pollution Control Board,
Building.No. TC-12V
Vibhuti Khand, Gomti Nagar,
Lucknow – 226010, (U.P)

Subject:- Order of Hon'ble NGT (PB), New Delhi dated 16.1.2018 in the matter of O.A No 231/2014 and O.A No 66/2015

Sir,

Please find enclosed minutes of the meeting held in CPCB on 16.01.2018 for ensuring compliance to the order of Hon'ble NGT (PB) dated 16.1.2018 in the above mentioned matter of CPCB, UPPCB, Sh A B Akolkar, Ex-Member Secretary, CPCB and U P Jal Nigam.

As a follow up of the minutes and compliance to Hon'ble NGT (PB) order, the joint inspection team to carry out inspection of 316 industries (listed in the catchment of river Hindon) is enclosed for information and record. The inspection of 316 industries is required to be completed by 9th March, 2018.

It is therefore, requested to nominate concerned regional offices of your Board, to associate with the Committee for joint inspection of identified industries as well as ground water sampling in the respective areas, to enable to finalise the comprehensive report & its submission by 15th March,2018 to Hon'ble NGT.
TA/ DA of officials shall be borne by the parent organisation as per the entitlement & rules.

It is also requested to intimate DGP, U P Police for Police protection for the inspection teams for compliance to para 6 of the Hon'ble NGT (PB) order dated 16.01.2018.

Yours faithfully

Sd/-
(A.Sudhakar)
Member Secretary

Encl: As above

Copy to:-

(1) Dr A.B. Akolkar, Ex Member Secretary, CPCB : For kind information please

(2) Regional Director, Central Pollution Control Board, Regional Directorate (North), Ground & First Floors, PIC-UP Bhawan, B-Block, Vibhuti Khand, Gomti Nagar, Lucknow-226010 : For follow up with UPPCB to carry out joint inspection and preparation of Report for submission to Hon'ble NGT in compliance to the order dated 16.1.2018

(3) In-Charge ,Law Section , CPCB : For kind information please

(4) In-Charge ,WQM-1, CPCB : For kind information and n.a. please.

Sd/-

(A.Sudhakar)

Annexure-VII

By /Speed Post

A – 14011/ WQM – I/ 2018/17497 **23/2/2018**

To

Managing Director
U P Jal Nigam
6, Rana Pratap Marg
Lucknow – 226001 (U. P)

Subject:- Order of Hon'ble NGT (PB), New Delhi dated 16.1.2018 in the matter of O.A No 231/2014 and O.A No 66/2015

Sir,

Please find enclosed minutes of the meeting held in CPCB on 16.01.2018 for ensuring compliance to the order of Hon'ble NGT (PB) dated 16.1.2018 in the above mentioned matter of CPCB, UPPCB, Sh A B Akolkar, Ex Member Secretary and U P Jal Nigam.

As a follow up of the minutes and compliance to Hon'ble NGT (PB) order, the joint inspection team to carry out inspection of 316 industries (listed in the catchment of river Hindon) is enclosed for information and record. The inspection of 316 industries is required to be completed by 9th March, 2018.

It is therefore, requested to nominate the concerned regional offices of U P Jal Nigam, to associate with the Committee for joint inspection of identified industries as well as ground water sampling in the respective areas, to enable to finalise the comprehensive report & its submission by 15th March,2018 to Hon'ble NGT.

TA/ DA of officials shall be borne by the parent organisation as per the entitlement & rules.

Yours faithfully

Sd/
(A.Sudhakar)
Member Secretary

Encl: As above

Copy to:-

(1) Dr A.B. Akolkar, Ex Member Secretary CPCB : For kind information please

(2) In-Charge ,Law Section , CPCB : For kind information please

(3) In-Charge ,WQM-1, CPCB :For kind information and n.a. please.

Sd/-

(A.Sudhakar)

Annexure-VIII

By Speed Post

A – 14011/WQM - I/ 2018/17499 **23/2/2018**

To

Member Secretary
Central Ground Water Authority (CGWA)
West Block-2, Wing-3, Sector-1, R. K. Puram
New Delhi-110066

Subject:-Order of Hon'ble NGT (PB), New Delhi dated 16.1.2018 in the matter of O.A No 231/2014 and O.A No 66/2015

Sir,

This has reference to the order of Hon'ble NGT (PB) dated 16.1.2018 in the above mentioned matter (copy enclosed) wherein Hon'ble NGT has ordered to Constitute a Committee of CPCB, UPPCB, Sh A B Akolkar, Ex Member Secretary, CPCB and U P Jal Nigam, directing the said Committee to carry out –

- joint sampling of surface water, i.e. river Kali, river Hindon, river Krishni and other small rivulets and drains meeting Hindon river as well as groundwater of six districts viz Saharanpur, Ghaziabad, Shamli, Meerut, Muzzafarnagar and Baghpat.
- Joint inspection of 316 no. of industries listed in the report filed by UPPCB dated 29.10.2015.

It is requested to kindly arrange for a copy of the earlier submitted by CGWA in compliance to the previous order of Hon'ble NGT (PB) in the above mentioned matter.

Yours faithfully

Sd/

(A.Sudhakar)
Member Secretary

Encl: As above

Copy to:-

(1) Dr A.B. Akolkar, Ex Member Secretary : For kind information please

CPCB

(2) In-Charge ,WQM-1, CPCB : For kind information and n.a. please

Sd/-

(A.Sudhakar)

Annexure-IX

Water Quality Monitoring Results of Ground Water Samples collected by the Joint Inspection Teams (Corrected)

S.No	Name of the location	District	Date of sample collection	Inside Industry Premises (Y/N)	Source of GW	GPS Coordinates	Depth of Ground water below ground level	Sulphate (mg/l)	Fluoride (mg/l)	Cd (mg/l)	Cu (mg/l)	Pb (mg/l)	Fe (mg/l)	Ni (mg/l)	Zn (mg/l)	Mn (mg/l)	Hg (µg/l)	O & G (mg/l)	Total Cr (mg/l)	Compliance Status
	Drinking Water Specifications as per IS:10500-2012 (Acceptable Limits) in mg/l							**200**	**1**	**0.003**	**0.05**	**0.01**	**0.3**	**0.02**	**5**	**0.1**	**0.001**	**-**	**0.05**	
1	Site-B, Surajpur, Greater Noida (M.K. Leathers)	Greater Noida	09-03-2018	No	Hand Pump	28°30´27.38" N, 77.29' 48.89" E	12 m	97	0.6	<0.002	<0.003	<0.013	<0.002	<0.003	<0.002	-	<1	2	<0.002	Complying
2	Suthyana Village, Dadri road, Habibpur	Greater Noida	09-03-2018	No	Hand Pump	28°31'50.32"N, 77°27'7.74"E		27	0.6	<0.002	<0.003	<0.013	0.21	<0.003	0.03	-	<1	2	<0.002	Complying
3	L.G. Electronics, P.No.-51, Udyog Vihar, Greater Noida	Greater Noida	04-04-2018	Yes	Bore Well	28°29'31"N, 77°29'38"E	13 m	30	0.8	<0.002	<0.003	<0.013	-	<0.003	0.07	0.01	<1	-	<0.002	Complying
4	M.K. Leather Trading Company, D-33, Site B, Surajpur, Greater Noida	Greater Noida	04-04-2018	Yes	Bore Well	28.5076939 N, 77.494639 E	8 m	134	0.7	<0.002	<0.003	<0.013	-	<0.003	0.03	1.03	<1	-	<0.002	Non Complying
5	Shree Jagdamba Knits (P) Ltd, P.No.-95,105, Site-B, Surajpur, Greater Noida	Greater Noida	05-04-2018	Yes	Bore Well	28°30´46" N, 77.28'45" E	12 m	123	0.6	<0.002	<0.003	<0.013	-	<0.003	0.3	0.1	1.16	-	<0.002	Non Complying
6	New Holland Tractors (P) Ltd, Plot Ne.-3, Udyog Kendra, Greater Noida	Greater Noida	05-04-2018	Yes	Bore Well	28.5384794 N, 77.4637655 E	10 m	75	0.7	<0.002	<0.003	<0.013	-	<0.003	0.01	0.01	<1	-	<0.002	Complying
7	Sky Lark Dyeing (P) Ltd.,Plot No.- B-2/14, Site-B, Surajpur Greater Noida	Greater Noida	04-04-2018	Yes	Bore Well	28.513474 N, 77.504007 E	30 m	45	0.6	<0.002	<0.003	<0.013	-	<0.003	0.03	0.14	<1	-	<0.002	Non Complying
8	Yamaha Motor India (P) Ltd., Noida-Dadri Road, Greater Noida	Greater Noida	13-03-2018	Yes	Bore Well		13 m	47	1.1	<0.002	0.02	<0.013	0.01	<0.003	0.01	<0.002	<1	-	<0.002	Non Complying
9	Kawatra Papers (P) Ltd., Dhoom Manikpur, G.T. Road, Dadri	Greater Noida	05-04-2018	Yes	Bore Well	28.55780919 N, 77.5536687 E	30 m	92	0.8	<0.002	-	<0.013	-	<0.003	<0.002	-	<1	2	<0.002	Complying
10	M/s Autotech Steel Engineering (P) Ltd, Plot.No. 28/3, Ecotech-I, Extn-I,Greater Noida	Greater Noida	13-03-2018	Yes	Bore Well	28.4378824 N, 77.5604753 E	8.5 m	20	1.2	<0.002	0.05	<0.013	0.43	<0.003	0.05	0.04	<1	-	<0.002	Non Complying
11	IGL CNG filling station Block I, Beta II, Greater noida, U.P.	Greater Noida	13-03-2018	No	Bore Well	-	-	15	0.6	<0.002	0.06	<0.013	0.05	<0.003	0.19	0.01	<1	-	-	Non Complying
12	Devla village, Dadri road, Greater Noida	Greater Noida	08-03-2018	No	Hand Pump	-	-	40	0.5	<0.002	<0.003	0.26	-	<0.003	0.07	-	<1	-	-	Non Complying
13	M/s Garg Tube Co. Ltd. Vill- Chhaproulla, G.T.Road, Gr.Noida	Greater Noida	07-03-2018	Yes	Borewell	28.6088728 N, 77.4957853 E	10.26 m	35	0.4	<0.002	<0.003	<0.013	-	<0.003	<0.002	-	1.52	2	-	Non Complying
14	Hand Pump of Vishnuli Village, Near Hero Motors	Greater Noida	07-03-2018	No	Hand Pump	28.6042 N, 77.4981 E	7.7 m	42	0.5	<0.002	<0.003	<0.013	-	<0.003	1.75	-	1.52	-	-	Non Complying
15	Hand Pump near village area of Honda Siel	Greater Noida	08-03-2018	No	Hand Pump	28.4472 N 77.5434 E	10.5 m	57	0.5	<0.002	<0.003	<0.013	-	<0.003	0.28	-	<1	-	-	Complying
16	M/s Indo Pump, Plot No-F-29-30, Site- B, Gr.Noida	Greater Noida	08-03-2018	Yes	Tube Well	28.5106 N, 77.4995 E	5m	64	0.5	<0.002	<0.003	<0.013	-	<0.003	0.01	-	<1	2	-	Complying
17	Meeta India Ltd., Plot No 21/2, Site II, Loni Road, Mohan Nagar Gzb.	Ghaziabad	11-04-2018	Yes	Bore Well	28.6796 N, 77.381963 E	30 m	85	1.7	<0.002	0.003	0.013	-	<0.003	0.01	-	<1	-	-	Non Complying
18	Mayur Prints, 5/8, Site-Z, Loni Road Mohan Nagar Gzb.	Ghaziabad	11-04-2018	Yes	Bore Well	28.71058 N, 77.21356 E	-	50	0.9	<0.002	0.003	0.013	-	<0.003	0.01	-	<1	-	-	Complying
19	Micro Gartex Industries, C-2, Loni Road Ind. Area Gzb.	Ghaziabad	12-04-2018	Yes	Bore Well	28.7123 N, 77.4013 E	28 m	53	0.4	<0.002	0.003	0.013	-	<0.003	0.04	-	<1	-	-	Complying
20	M/s Jayanita Export (P) Ltd. PLOT NO. A-1, EPIP, KASNA, G.NOIDA	Greater Noida	09-03-2018	Yes	Bore Well	28.42 N, 77.54 E	10 m	47	0.7	<0.002	0.003	0.013	-	<0.003	<0.002	-	<1	-	0.01	Complying

S.No	Name of the location	District	Date of sample collection	Inside Industry Premises (Y/N)	Source of GW	GPS Coordinates	Depth of Ground water below ground level	Sulphate (mg/l)	Fluoride (mg/l)	Cd (mg/l)	Cu (mg/l)	Pb (mg/l)	Fe (mg/l)	Ni (mg/l)	Zn (mg/l)	Mn (mg/l)	Hg (µg/l)	O & G (mg/l)	Total Cr (mg/l)	Compliance Status
	Drinking Water Specifications as per IS:10500-2012 (Acceptable Limits) in mg/l							**200**	**1**	**0.003**	**0.05**	**0.01**	**0.3**	**0.02**	**5**	**0.1**	**0.001**	**-**	**0.05**	
21	M/s J.M.V.L.P.S. Ltd., (Ex Name J.M.V. Earthing Equipment pvt. Ltd) Plot No- J-12, Site-C, UPSIDC, GR. NOIDA	Greater Noida	12-03-2018	Yes	Bore Well	28°31'14"N, 77°30'57"E	12 m	111	0.8	<0.002	0.22	0.013	-	<0.003	0.15	-	<1	-	-	Non Complying
22	M/s JBM Autotech, PLOT NO-J- 5, SITE -C , Gr.Noida	Greater Noida	12-03-2018	Yes	Bore Well	28.53 N, 77.51 E	12 m	229	0.6	<0.002	0.01	0.013	-	0.01	<0.002	-	<1	-	-	Non Complying
23	M/s Material Movellindia (P) Ltd, Plot.No.G-86/1, Site-S, UPSIDC, Gr. Noida	Greater Noida	09-03-2018	Yes	Bore Well	28.25 N, 77.33 E	10 m	31	0.4	<0.002	0.003	0.013	-	<0.003	<0.002	-	<1	-	0.01	Complying
24	Nippon Tube Ltd, Bisrakh Road, Vill-Chapraulla, Gr.Noida.	Greater Noida	12-03-2018	Yes	Bore Well	28°36'57"N, 77°28'22"E	13 m	27	0.5	<0.002	<0.003	<0.013	-	<0.003	0.09	--	<1	-	<0.002	Complying
25	M/s Bir Horizons Pvt. Ltd. ,PLOT NO.F-79, SITE-B, Surajpur, Gr.Noida	Greater Noida	08-03-2018	Yes	Bore Well	28°30'40.6"N, 77°29'47.6"E		60	0.7	<0.002	<0.003	<0.013	<0.002	<0.003	<0.002	0.16	<1	-	-	Non Complying
26	Nangla Dairy	Greater Noida	08-03-2018	Yes	Hand Pump	-	50 m	18	0.6	<0.002	<0.003	<0.013	1.29	<0.003	0.14	0.06	<1	-	<0.002	Non Complying
27	Near M/S Asian Paints Ltd., PLOT NO-A-I, UPSIDC, industrial Area, Site- 5, GR. NOIDA	Greater Noida	09-03-2018	No	Hand Pump	28.4355857 N, 77.5509382 E	7.5 m	20	0.7	<0.002	<0.003	<0.013	-	<0.003	1.34	-	<1	2	-	Complying
28	Temple near M/s Bajaj Hindustan Ltd, Sugar Unit, Kinoni, Meerut	Meerut	05-03-2018	No	Hand Pump	29°01" N 77°45" E	17 m	-	0.7	<0.002	<0.003	<0.013	-	<0.003	0.33	-	<1	-	-	Complying
29	Village Mandhiyai, Meerut Main Road	Meerut	05-03-2018	No	Hand Pump	29.127228 N, 77.608529 E	83 m	-	1.1	<0.002	<0.003	<0.013	-	<0.003	0.11	-	<1	-	-	Non Complying
30	Hand Pump Near M/s Ramala Sahkari Chini Mills Ltd, Ramala, Bagpat	Baghpat	07-03-2018	No	Hand Pump	29.235139 N, 77.284237 E	16 m	-	1.1	<0.002	<0.003	,0.013	-	<0.003	1.16	-	<1	-	-	Non Complying
31	Inside Parmedical College Premises, Village Bagra	Muzaffarnagar	07-03-2018	No	Hand Pump	29°28'61.91"N 77°55'58"E	44 m	-	0.3	0.74	<0.003,	0.28	-	<0.003	2.95	-	<1	-	-	Non Complying
32	Near M/s Bajaj Hindustan Ltd. Bhaisana, Muzaffarnagar	Muzaffarnagar	07-03-2018	No	Hand Pump	29.294250, 77.493759	50 m	-	-	0.12	<0.003	<0.013	-	<0.003	1.96	-	1.52	-	-	Non Complying
33	Khampur, Rohana Kalan, Roorkee Road	Muzaffarnagar	08-03-2018	No	Hand Pump	-	50 m	29	0.1	<0.002	<0.003	<0.013	-	<0.003	0.03	-	<1	-	-	Complying
34	Main road, Mansurpur village	Muzaffarnagar	06-03-2018	No	Hand Pump	29°21'18.8" N, 77°42'50.1" E	50 m	52	0.3	<0.002	<0.003	<0.013	-	<0.003	0.15	-	1.3	2	-	Non Complying
35	Village Phalawda, Main Road	Muzaffarnagar	08-03-2018	No	Hand Pump	-	50 m	18	0.2	<0.002	<0.003	<0.013	-	<0.003	0.19	-	<1	-	-	Complying
36	Dhabdheda Village, Jolly Road	Muzaffarnagar	08-03-2018	No	Hand Pump	-	50 m	34	0.3	<0.002	<0.003	<0.013	-	<0.003	0.81	-	<1	-	-	Complying
37	Tehsil Katauli	Muzaffarnagar	06-03-2018	No	Hand Pump	29°16'44.4"N, 77°44'19.4"E	50 m	14	0.3	<0.002	<0.003	<0.013	-	<0.003	0.09	-	1.3	2	-	Non Complying
38	Mansurpur NH 58 on road	Muzaffarnagar	06-03-2018	No	Hand Pump	-	50 m	76	0.3	<0.002	<0.003	<0.013	-	<0.003	9.12	-	1.26	2	-	Non Complying
39	Opposite Hindon Airforce Station, Police Check Post, Loni Road	Muzaffarnagar	09-04-2018	No	Hand Pump	28.6878800 N, 77.3752400 E	50 m	53	0.6	<0.002	<0.003	<0.013	-	<0.003	0.81	-	<1	2	-	Complying
40	Tube Well near of M/s Silvertone Paper Ltd (Init 1) Bhopa Road, Muzaffarnagar	Muzaffarnagar	16-04-2018	No	Tube Well	29°28' 00.15'' N, 77 °47'05.60'' E	18.29 m	208	0.3	<0.002	<0.003	<0.013	-	<0.003	<0.002	-	<1	-	-	Non Complying
41	Handpump outside(within 500 mt radius) the premises of M/s Shalimar Paper (p) Ltd. Bhopa road, Muzaffarnagar	Muzaffarnagar	12-04-2018	No	Hand Pump	29°25' 09.8'' N, 77°45' 38.0'' E	20 m	111	0.1	<0.002	<0.003	<0.013	-	<0.003	0.55	-	<1	-	-	Complying
42	Handpump outside the premises of M/S Bindalas Duplex Ltd, (Unit-1), Muzaffarnagar	Muzaffarnagar	12-04-2018	No	Hand Pump	29°28''6.42' N 77°48''22.53' E	18.29 m	18	0.3	<0.002	<0.003	<0.013	-	<0.003	0.4	-	<1	2	-	Complying
43	Handpump outside the premises of M/S Shakumbari Pulp & Paper Bhopa road Muzaffarnagar	Muzaffarnagar	12-04-2018	No	Hand Pump	29.4704 N, 77.73412 E	18.29 m	72	0.2	<0.002	<0.003	<0.013	-	<0.003	0.05	-	<1	-	-	Complying

S.No	Name of the location	District	Date of sample collection	Inside Industry Premises (Y/N)	Source of GW	GPS Coordinates	Depth of Ground water below ground level	Sulphate (mg/l)	Fluoride (mg/l)	Cd (mg/l)	Cu (mg/l)	Pb (mg/l)	Fe (mg/l)	Ni (mg/l)	Zn (mg/l)	Mn (mg/l)	Hg (µg/l)	O & G (mg/l)	Total Cr (mg/l)	Compliance Status
	Drinking Water Specifications as per IS:10500-2012 (Acceptable Limits) in mg/l							**200**	**1**	**0.003**	**0.05**	**0.01**	**0.3**	**0.02**	**5**	**0.1**	**0.001**	**-**	**0.05**	
44	Ms. N.S. Papers Ltd. [Unit-I], Jansath Road, Muzaffar Nagar	Muzaffarnagar	09-04-2018	Yes	Bore Well	-	100 m	131	0.3	<0.002	<0.003	<0.013	-	<0.003	<0.002	-	<1	-	-	Complying
45	M/S Mahalaxmi Craft & Tissues, 9th Km, Jansath Road	Muzaffarnagar	09-04-2018	Yes	Bore Well	-	75 m	24	0.1	<0.002	<0.003	<0.013	-	<0.003	<0.002	-	<1	-	-	Complying
46	M/S Aggarwal Duplex & Board Mills Ltd., 4th Km, Bhopa Road	Muzaffarnagar	09-04-2018	Yes	Bore Well	29 28 27 N 77 44 26.1 E	23 m	4	0.5	<0.002	<0.003	<0.013	-	<0.003	<0.002	-	<1	-	-	Complying
47	M/S Tirupati Balajl Fibers Ltd. 9th Km, Bhopa Road	Muzaffarnagar	11-04-2018	Yes	Bore Well	29 28 18 N 77 44 17.1 E	13 m	9	0.4	<0.002	<0.003	<0.013	-	<0.003	<0.002	-	<1	-	-	Complying
48	M/S Meenu Papers (P) Ltd., 9.5 Km, Bhopa Road, Muzaffarnagar	Muzaffarnagar	11-04-2018	Yes	Bore Well	-	40 m	88	0.3	<0.002	<0.003	<0.013	-	<0.003	<0.002	-	<1	-	-	Complying
49	Industry premises of M/S Tehri Pulp & Papers Ltd. (Unit-I), 9th Km Stone, Bhopa Road, Muzaffarnagar	Muzaffarnagar	12-04-2018	Yes	Bore Well	29.471 N, 77.796 E	40 m	4	0.5	<0.002	<0.003	<0.013	-	<0.003	0.05	-	1.26	-	-	Non Complying
50	M/S Suyash Craft & Papers Ltd.Village-Velhana, Meerut Roadf, Muzaffarnagar	Muzaffarnagar	13-04-2018	Yes	Bore Well	29.426 N, 77.692 E	40 m	11	0.3	<0.002	<0.003	<0.013	-	<0.003	0.14	-	1.01	-	-	Non Complying
51	Industry premises of M/S Shri Bhageshwari Paper Mills (P)	Muzaffarnagar	12-04-2018	Yes	Bore Well	29.472 N, 77.491 E	45 m	6	0.3	<0.002	<0.003	<0.013	-	<0.003	0.01	-	1.52	-	-	Non Complying
52	Industry Premises of M/s Sidhbali Papers mills Ltd,), 45-B, new mandi, Muzaffarnagar	Muzaffarnagar	13-04-2018	Yes	Bore Well	29.471 N, 77.784 E	45 m	49	0.3	<0.002	<0.003	0.03	-	<0.003	0.22	-	<1	-	-	Complying
53	Near M/s. Arihant Pulp & Papers Ltd., opposite cement godwon, musa bilaspur	Muzaffarnagar	08-03-2018	No	Hand Pump	29.437478 N, 77.745673 E	13 m	41	0.3	<0.002	<0.003	<0.013	10.42	<0.003	1.9	0.09	<1	-	<0.002	Non Complying
54	Near M/s Siddeshwari industries Pvt. Ltd., 8.6 Km Jansath Road, Muzaffarnagar	Muzaffarnagar	08-03-2018	No	Hand Pump	29°25'8"N, 77°45'36"E	61 m	30	0.1	<0.002	<0.003	<0.013	0.17	<0.003	<0.002	0.87	-	-	<0.002	Non Complying
55	M/s K.K. Duplex & Paper mill Pvt. Ltd., 8.5 Km Stone, Jansath Road, Muzaffarnagar	Muzaffarnagar	08-03-2018	Yes	Bore Well	29°42'37.38"N, 77°75'87.43"E	46 m	43	0.1	<0.002	<0.003	<0.013	0.09	<0.003	<0.002	0.23	-	-	<0.002	Non Complying
56	M/s Silver Tone Pulp & Paper, 9th Km Stone, Bhopa Road, Muzaffarnagar.	Muzaffarnagar	08-03-2018	Yes	Bore Well	29°27'59.8"N, 77°47'17"E	70 m	25	0.5	<0.002	<0.003	<0.013	0.01	<0.003	<0.002	0.27	-	-	<0.002	Non Complying
57	M/S Bindal Papers Ltd. Bhopa Road, Muzaffarnagar.	Muzaffarnagar	08-03-2018	Yes	Bore Well	29.473574 N, 77.786736 E	13 m	5	0.3	<0.002	<0.003	<0.013	0.11	<0.003	<0.002	0.02	-	-	<0.002	Complying
58	M/s Disha Industries ltd., 9th Km, Jolly Road, Vill- Sikhrera, Muzaffarnagar	Muzaffarnagar	08-03-2018	Yes	Bore Well	29.444213 N, 77.788132 E	25 m	30	0.2	<0.002	<0.003	<0.013	0.01	<0.003	<0.002	0.1	-	-	<0.002	Complying
59	M/s. Galaxy Papers Pvt. ltd., 9.4 Km Jolly Road, Vill- Dhandhara, Muzaffarnagar	Muzaffarnagar	15-03-2018	Yes	Tube Well	29.4419536 N, 77.7784556 E	53 m	51	0.1	<0.002	<0.003	<0.013	-	<0.003	0.18	-	-	-	-	Complying
60	Near M/s. Shaktl Kraft & Tissues Pvt. Ltd., 9th Km, Jansath Road,Muzaffarnagar	Muzaffarnagar	15-03-2018	No	Hand Pump	29.4196631 N, 77.7605193 E	53 m	45	0.1	<0.002	<0.003	<0.013	-	<0.003	0.01	<0.002	-	-	-	Complying
61	Near M/s Magma Industries Ltd., C-27 UPSIDC Industrial Area, Begrajpur, Muzaffarnagar	Muzaffarnagar	15-03-2018	No	Hand Pump	29.372485 N, 77.705181 E	53 m	43	0.2	<0.002	<0.003	<0.013	-	<0.003	0.12	-	<1	2	-	Complying
62	Near M/s Nikita Papers P.Ltd., C-10, Ind.Estate, Panipat road, Shamli	Shamli	12-04-2018	No	Hand Pump	-	-	29	0.7	<0.002	<0.003	0.03	-	<0.003	1.78	-	<1	2	-	Complying
63	Near M/s.Maruti Papers Pvt.Ltd., Village Sikka, Shamli	Shamli	12-04-2018	No	Hand Pump	-	-	2	0.6	<0.002	<0.003	<0.013	-	<0.003	1.66	-	<1	2	-	Complying
64	Near M/s. Ravi Organics Ltd., Begrajpur, Muzaffarnagar	Muzaffarnagar	13-04-2018	No	Hand Pump	-	-	20	0.2	<0.002	<0.003	<0.013	-	<0.003	0.89	-	1.26	2	-	Non Complying
65	M/s. H.J. Tannery ,9th Km, Jansath Road, Muzaffarnagar	Muzaffarnagar	13-04-2018	Yes	Tube Well	-	-	41	0.2	<0.002	<0.003	<0.013	-	<0.003	<0.002	-	1.01	-	-	Non Complying

S.No	Name of the location	District	Date of sample collection	Inside Industry Premises (Y/N)	Source of GW	GPS Coordinates	Depth of Ground water below ground level	Sulphate (mg/l)	Fluoride (mg/l)	Cd (mg/l)	Cu (mg/l)	Pb (mg/l)	Fe (mg/l)	Ni (mg/l)	Zn (mg/l)	Mn (mg/l)	Hg (µg/l)	O & G (mg/l)	Total Cr (mg/l)	Compliance Status
	Drinking Water Specifications as per IS:10500-2012 (Acceptable Limits) in mg/l							**200**	**1**	**0.003**	**0.05**	**0.01**	**0.3**	**0.02**	**5**	**0.1**	**0.001**	**-**	**0.05**	
66	Meerut Karnal road, Near Bypass Shamli	Shamli	06-04-2018	No	Hand Pump	29.442825 N, 77.314561 E	60 m	32	0.8	<0.002	<0.003	<0.013	-	<0.003	0.66	-	1.33	-	-	Non Complying
67	50m away from M/s Bajaj Hindustan Ltd., Thanabhawan, Muzaffarnagar	Shamli	07-04-2018	No	Hand Pump	29.5693 N, 77.408405 E	-	2	0.4	<0.002	<0.003	<0.013	-	<0.003	0.24	-	1.16	-	-	Non Complying
68	Near M/s. Shamli Distillery & Chem.Work, Shamli	Shamli	06-04-2018	No	Hand Pump	29.442825 N, 77.314561 E	60 m	32	0.8	<0.002	<0.003	<0.013	-	<0.003	0.66	-	1.33	-	-	Non Complying
69	M/s NTPC Ltd, Dadri, Gauthambuddh nagar	Gauthambuddh Nagar	05-04-2018	Yes	Hand Pump	28.597831 N, 77.614034 E	12 m	57	0.8	-	-	-	-	-	0.11	-	<1	-	<0.002	Complying
70	Outside M/s NTPC Ltd, Dadri, Gauthambuddh nagar, Muthani Gate	Gauthambuddh Nagar	05-04-2018	No	Hand Pump	-	10 m	63	0.3	<0.002	<0.003	<0.013	-	<0.003	0.06	-	<1	-	-	Complying
71	M/s Co-operative Co. Ltd., Tapri, Saharanpur	Saharanpur	09-04-2018	Yes	Bore Well	29°55'08.4"N, 77°35'50.9"E	60 m	10	0.8	<0.002	<0.003	<0.013	-	<0.003	0.16	-	<1	-	-	Complying
72	Outside M/s Co-operative Co. Ltd., Tapri, Saharanpur	Saharanpur	09-04-2018	No	Hand Pump	29554'57.3"N, 77°35'40.0"E	35 m	122	0.2	<0.002	<0.003	0.013	-	<0.003	6.63	-	<1	-	-	Non Complying
73	U.P. Co-orperative Sugar Factory, Nanouta, Saharanpur	Saharanpur	09-04-2018	Yes	Hand Pump	29°42'31.3"N, 77°26'52.1"E	40 m	190	0.5	<0.002	<0.003	<0.013	-	<0.003	<0.002	-	<1	-	-	Complying
74	Outside U.P. Co-orperative Sugar Factory, Nanouta, Saharanpur	Saharanpur	09-04-2018	No	Hand Pump	29.711202 N, 77.448998 E	35 m	19	0.9	<0.002	<0.003	<0.013	-	<0.003	0.02	-	<1	-	-	Complying
75	Bajaj Hindustan Ltd., Distillery Unit, Village - Gangoli, Saharanpur	Saharanpur	10-04-2018	Yes	Hand Pump	-	35 m	180	0.8	<0.002	<0.003	<0.013	-	<0.003	0.02	-	<1	-	-	Complying
76	Outside Bajaj Hindustan Ltd., Distillery Unit, Village -Gangoli, Saharanpur	Saharanpur	10-04-2018	No	Hand Pump	-	35 m	29	0.2	<0.002	<0.003	<0.013	-	<0.003	0.16	-	<1	-	-	Complying
77	Asheram Nirwad S/o Badlu Singh, H.No.-512 Village- Karheda, Near Mohan Nagar Loni Road Ghaziabad	Ghaziabad	03-04-2018	No	Borewell	28.686965, 77.385494	49m	31	2	<0.002	<0.003	<0.013	0.02	<0.003	0.01	-	1.66		<0.002	Non Complying
78	Star Paper Mill Saharanpur	Saharanpur	06-03-2018	Yes	Bore Well		50 m	15	0.1	<0.002	<0.003	<0.013	0.02	<0.003	<0.002	-	<1	2	-	Complying
79	Outside Star Paper Mill Saharanpur	Saharanpur	06-03-2018	No	Hand Pump	-	-	62	0.2	<0.002	<0.003	<0.013	1.43	<0.003	1.3	-	<1	2	-	Non Complying
80	Near Plaza Paper P.Ltd. Village Maheswari Khurd	Saharanpur	06-03-2018	No	Hand Pump	-	-	65	0.2	<0.002	<0.003	<0.013	1.5	<0.003	<0.002	-	<1	2	-	Non Complying
81	Near Rainbow Board Mill, (Unit Kraft Paper), Near naugara Peer, Saharanpur	Saharanpur	06-03-2018	No	Hand Pump	-	-	30	0.2	<0.002	<0.003	<0.013	0.62	<0.003	0.12	-	<1	2	-	Non Complying
82	Near Swaroop Paper (P) Ltd., Near Janta Road, Saharanpur	Saharanpur	06-03-2018	No	Hand Pump		-	27	0.3	<0.002	<0.003	<0.013	0.22	<0.003	0.04	-	2	2	-	Non Complying
83	Hindon Filter (P) Ltd. Saharanpur	Saharanpur	06-03-2018	Yes	Bore Well	-	33 m	36	0.1	<0.002	<0.003	<0.013	0.27	<0.003	0.2	-	<1	2	-	Complying
84	Near Hindon Filter (P) Ltd. , Radha Krishan mandir, Saharanpur	Saharanpur	06-03-2018	No	Hand Pump	-	-	40	0.1	<0.002	<0.003	<0.013	0.1	<0.003	1.15	-	<1	2	-	Complying
85	Hand pump near Nagar Nigam Pashuvadhshala, kamela colony, Saharanpur	Saharanpur	06-03-2018	No	Hand Pump	-	40 m	33	0.7	<0.002	<0.003	<0.013	2.16	<0.003	0.04	-	<1	2	-	Non Complying
86	Near A.L. M. Industries (Slaughter House), 43, Qutab Market, Near Qutab Sher Thana, ambala Road, Saharanpur	Saharanpur	15-03-2018	No	Hand Pump	29.985075 N, 77.669597 E	-	4	0.1	<0.002	<0.003	<0.013	-	<0.003	0.05	-	<1	2	-	Complying
87	Durga Textile, Janta Road, Saharanpur	Saharanpur	15-03-2018	No	Bore Well	29.9713851 N, 77.5783001 E	50 m	26	0.1	<0.002	0<.003	<0.013	-	<0.003	0.82	-	<1	2	-	Complying

S.No	Name of the location	District	Date of sample collection	Inside Industry Premises (Y/N)	Source of GW	GPS Coordinates	Depth of Ground water below ground level	Sulphate (mg/l)	Fluoride (mg/l)	Cd (mg/l)	Cu (mg/l)	Pb (mg/l)	Fe (mg/l)	Ni (mg/l)	Zn (mg/l)	Mn (mg/l)	Hg (µg/l)	O & G (mg/l)	Total Cr (mg/l)	Compliance Status
	Drinking Water Specifications as per IS:10500-2012 (Acceptable Limits) in mg/l							**200**	**1**	**0.003**	**0.05**	**0.01**	**0.3**	**0.02**	**5**	**0.1**	**0.001**	**-**	**0.05**	
88	Near M/s Arora Hoiesery, Janta Road, Saharanpur	Saharanpur	15-03-2018	No	Tube Well	29.973331 N, 77.574976 E	-	56	0.1	<0.002	<0.003	<0.013	-	<0.003	<0.002	-	<1	2	-	Complying
89	Near M/s Atul Textile Industried Ltd., Shakumabari Vihar, Behat Road, Saharanpur	Saharanpur	07-03-2018	No	Hand Pump	29.985548 N, 77.568758 E	55 m	11	0.3	<0.002	<0.003	<0.013	-	<0.003	1.76	-	1.01	2	-	Non Complying
90	Near M/s Shalimar Cotton Dyeing, Saharanpur Behat Road, Rasulpur, Saharanpur	Saharanpur	07-03-2018	No	Hand Pump	29.996889 N, 77.566726 E	55 m	220	0.3	<0.002	<0.003	<0.013	-	<0.003	<0.002	-	1.51	2	-	Non Complying
91	Near M/s S.M.C. Foods Ltd. Nnauta, Saharanpur	Saharanpur	07-03-2018	No	Hand Pump	28°54'11.5"N, 77°50'54.5"E	15.2 m	33	0.3	<0.002	<0.003	<0.013	-	<0.003	0.57	-	1.51	2	-	Non Complying
92	M/s Pashupati Dairy (P) Ltd. Village Kumharhera, Dehradun Road, Saharanpur	Saharanpur	17-04-2018	Yes	Bore Well	-	60 m	27	0.3	<0.002	<0.003	<0.013	<0.002	<0.003	<0.002	0.29	-	-	<0.002	Non Complying
93	M/s Shree Krishna Board Mill Dehradun	Saharanpur	17-04-2018	Yes	Tube Well	-	-	16	0.4	<0.002	<0.003	<0.013	<0.002	<0.003	0.08	<0.002	-		<0.002	Complying
94	Near Saharanpur Paper Board Mill, Village-Majri, Dehradun Road, Saharanpur	Saharanpur	04-04-2018	No	Hand Pump	29.976993 N, 77.648367 E	37 m	7	0.2	<0.002	<0.003	<0.013	-	<0.003	1.07	-	<1	2	-	Complying
95	Near M/s Jagadamba Gramodyog Sansthan	Saharanpur	04-04-2018	No	Hand Pump	-	35 m	14	0.2	<0.002	<0.003	<0.013	-	<0.003	0.05	-	<1	2	-	Complying
96	Near M/s Jayna Gramodyaog Sansthan, Gagalheri	Saharanpur	04-04-2018	No	Hand Pump	29.983602 N, 77.665811 E	35 m	19	0.1	<0.002	<0.003	<0.013	-	<0.003	6.07	-	<1	2	-	Non Complying
97	Near M/s Tiwaya File Board Mill, Nawada Road, Saharanpur	Saharanpur	04-04-2018	No	Hand Pump	29.999723 N, 77.642866 E	35 m	3	0.3	<0.002	<0.003	<0.013	-	<0.003	1.22	-	<1	2	-	Complying
98	Near M/s Star Gramodyaog Sansthan, Manakmau,	Saharanpur	05-04-2018	No	Hand Pump	29.950706 N, 77.507566 E	35 m	20	0.1	<0.002	<0.003	<0.013	-	<0.003	0.002	-	<1	2	-	Complying
99	Gagalheri, Dehradun, Saharanpur	Saharanpur	05-03-2018	No	Hand Pump	29.979749 N, 77.668548 E	44 m	5	0.6	<0.002	0.15	0.09	-	<0.003	1.05	-	<1	-	-	Non Complying
100	M/s Balaji Wire Pvt. Ltd., 139·A, Anand Industrial Estate Mohan Nagar, Gzb.	Ghaziabad	07-03-2018	Yes	Hand Pump	28.674894 N, 77.388494 E	45 m	89	0.5	<0.002	<0.003	<0.013	0.12	<0.003	0.39	-	1.72	-	<0.002	Non Complying
101	Mohan Meakins Ltd., Mohan Nagar, Ghaziabad	Ghaziabad	08-03-2018	Yes	Bore Well	28°40'17.5"N 77°23'01.0"E	25 m	96	0.8	<0.002	0.01	0.04	<0.002	<0.003	<0.002	-	1.01	-	<0.002	Non Complying
102	Near M/s AB Cycle Parts Pvt. Ltd. at Ispat Nagar, Buland Sahar Road Industrial Area, Ghaziabad.	Ghaziabad	08-03-2018	No	Hand Pump	28°38'23.6"N 77°26'37.6"E	40 m	71	0.5	<0.002	<0.003	0.08	6.28	<0.003	1.24	-	<1	2	0.02	Non Complying
103	Near Balaji Enterprises, B-22/1/15, B.S.Road Ind. Area Gzb.	Ghaziabad	13-03-2018	No	Hand Pump	28.6484380 N, 77.4594966 E	-	135	0.4	<0.002	<0.003	<0.013	0.72	<0.003	0.27	-	-	2	<0.002	Non Complying
104	Near Indian Textiles Co., E-49, B.S. Road, Gzb.	Ghaziabad	09-03-2018	No	Hand Pump	28.6484381 N, 77.4594767 E	-	330	0.8	<0.002	0.01	<0.013	1.47	<0.003	0.11	-	<1	-	-	Non Complying
105	Near M/s Lion Cycle & Rikshaw Industries, E·l0, B.S. Road Ind. Area Gzb.	Ghaziabad	12-03-2018	No	Hand Pump	28.6424919 N, 77.4609803 E	-	109	0.7	<0.002	<0.003	<0.013	<0.002	<0.003	0.002	-	1.01	-	-	Non Complying
106	Near Progressive Tools & Component Pvt.Ltd. C-222, B.S. Road Ind. Area , Gzb	Ghaziabad	03-04-2018	No	Handpump	28.642382 77.460819	46m	203	0.6	<0.002	<0.003	<0.013	0.72	<0.003	0.27	-	<1	-	-	Non Complying
107	Hapur Bypass Road	Ghaziabad	03-04-2018	No	Handpump	28.649171 77.468453	42m	45	0.4	<0.002	<0.003	<0.013	0.07	<0.003	0.03	-	<1	-	-	Complying
108	Within the premises of Golden Height Academy (Primary School)	Ghaziabad	12-03-2018	No	Bore Well	28 66'N, 77 46' E	175 m	5	0.5	<0.002	<0.003	<0.013	-	<0.003	0.05	-	<1	2	<0.002	Complying
109	From tube well situated in premises of Masjid , besides the road towards the unit M/s Shivam Engineering and Fabrication	Ghaziabad	11-04-2018	No	Hand pump	28.639554 N, 77.446274 E	-	35	0.5	<0.002	<0.003	<0.013	-	<0.003	0.02	-	1.83	2	<0.002	Non Complying
110	Near M/s Tarun International C-15, SS of GT road, Ghaziabad	Ghaziabad	05-04-2018	No	Bore well	28.6377376 N, 77.44111755 E	-	44	0.4	<0.002	<0.003	<0.013	0.13	<0.003	0.002	0.21	1.16	2	<0.002	Non Complying

S.No	Name of the location	District	Date of sample collection	Inside Industry Premises (Y/N)	Source of GW	GPS Coordinates	Depth of Ground water below ground level	Sulphate (mg/l)	Fluoride (mg/l)	Cd (mg/l)	Cu (mg/l)	Pb (mg/l)	Fe (mg/l)	Ni (mg/l)	Zn (mg/l)	Mn (mg/l)	Hg (µg/l)	O & G (mg/l)	Total Cr (mg/l)	Compliance Status
	Drinking Water Specifications as per IS:10500-2012 (Acceptable Limits) in mg/l							**200**	**1**	**0.003**	**0.05**	**0.01**	**0.3**	**0.02**	**5**	**0.1**	**0.001**	**-**	**0.05**	
111	M/s Exclusive leathers, Khasara No, 2751, Bhoorgarhi Dasna , Ghaziabad	Ghaziabad	06-04-2018	Yes	Bore well	-	33 m	48	0.7	<0.002	<0.003	<0.013	-	<0.003	0.002	-	<1	2	-	Complying
112	M/s Eagle Continental foods pvt ltd, Dasna Ghaziabad	Ghaziabad	05-04-2018	Yes	Bore well	28.688341 N, 77522666 E	30 m	44	0.7	<0.002	<0.003	<0.013	<0.002	<0.003	0.03	0.01	<1	2	<0.002	Complying
113	M/s Al-Naseer Export Pvt. Ltd., Khasara no 2761 & 2762 VilI- Bhoorgarhi Dasna, Ghaziabad	Ghaziabad	06-04-2018	Yes	Bore well	28.6846923 N, 775316609 E	33 m	36	0.8	<0.002	<0.003	<0.013	-	<0.003	0.65	-	<1	2	-	Complying
114	M/s Al Nafees Frozen Foods Export, Hapur Rd. Dasna Ghaziabad	Ghaziabad	06-04-2018	Yes	Hand Pump	28.685079 N, 77.540928 E	13 m	56	1	<0.002	<0.003	<0.013	-	<0.003	0.65	-	1.66	2	-	Non Complying
115	1km away from M/s International agro Foods (Integrated slaughter House) Plot no. 2764 - 2766, Bhurgardi, Dasna, Distt. Ghaziabad Uttar Pradesh	Ghaziabad	08-03-2018	Yes	Borewell	28.684528, 77.5435	37m	43	0.6	<0.002	<0.003	<0.013	0.02	<0.003	0.14	-	-	-	<0.002	Complying
116	M/s International agro Foods (Integrated slaughter House) Plot no. 2764 - 2766, Bhurgardi, Dasna, Distt. Ghaziabad Uttar Pradesh	Ghaziabad	08-03-2018	Yes	Borewell	-	29 m	30	1.3	<0.002	<0.003	<0.013	0.1	<0.003	0.24	-	-	-	<0.002	Non Complying
117	Dasna Village	Ghaziabad	08-03-2018	No	Borewell	-	-	40	0.6	<0.002	<0.003	0.02	1.77	<0.003	0.04	-	-	-	<0.002	Non Complying
118	Bhurgadi Village (Private)	Ghaziabad	08-03-2018	No	Borewell	-	-	136	2.5	<0.002	<0.003	<0.013	1.56	<0.003	1.56	-	-	-	0.05	Non Complying
119	Bhurgadi Village(Government)	Ghaziabad	08-03-2018	No	Borewell	-	-	41	0.7	<0.002	<0.003	<0.013	1.84	<0.003	0.21	-	-	-	0.26	Non Complying
120	Rajeev Colony, adject to M/s Ambica Steels Ltd., Mohan Nagar Ghaziabad	Ghaziabad	08-03-2018	No	Hand Pump	28.682150 N, 77.381735 E	33 m	26	2.4	<0.002	<0.003	<0.013	0.002	<0.003	1.09	-	<1	-	<0.002	Non Complying
121	M/s Bansal Wire Industries Ltd, B-3, Loni road, Mohan Nagar, Ghaziabad, U.P.	Ghaziabad	07-03-2018	No	Hand Pump	Ghaziabad	-	95	0.5	<0.002	0.05	<0.013	1.33	0.02	8.58	-	<1	-	<0.002	Non Complying
122	The Kisan Sahakari Chini Mill, Nanouta, sahranpur UP	Saharanpur	11-04-2018	Yes	Hand Pump	29.4237N, 77.2644E	50 m	19	0.4	<0.002	<0.003	0.07	11.26	<0.003	4.15	0.16	-	-	<0.002	Non Complying
123	Daya Sugar Gagalheri, Saharanpur, U.P	Saharanpur	10-04-2018	Yes	Hand Pump	29.5749N, 77.3934E	30 m	2	0.2	<0.002	<0.003	<0.013	9.9	<0.003	1.79	0.05	-	-	<0.002	Non Complying
124	Triveni Engg. & Industires Ltd., Deoband, saharanpur, U.P	Saharanpur	10-04-2018	Yes	Hand Pump	29.4020N, 77.4099E	30 m	176	0.5	<0.002	<0.003	<0.013	8.83	<0.003	1.34	0.21	-	-	<0.002	Non Complying
125	Bajaj Hindustan Sugar Ltd., Gangoli Saharanpur, U.P	Saharanpur	10-04-2018	Yes	Hand Pump	29.4835N, 77.3258E	30 m	16	0.1	<0.002	<0.003	<0.013	2.77	<0.003	1.1	0.17	-	-	<0.002	Non Complying
126	Vaishali Hosiery, 1-17, Sector D-1, Apparel Park, Tronica City, Loni, Gzb.	Ghaziabad	19-04-2018	Yes	Borewell	-	30 m	49	0.4	<0.002	1.25	<0.013	<0.002	0.02	0.3	-	<1	-	-	Non Complying
127	Vedanta Estate, I-11, Apparel Park, Sector D-1(P3), Tronica City, Loni. Gzb.	Ghaziabad	19-04-2018	Yes	Borewell	-	30 m	157	0.3	<0.002	<0.003	<0.013	-	<0.003	0.002	-	<1	-	-	Complying
128	Sunny Prints, 5/7, Site-II Industrial Area, Loni Road, GZB.	Ghaziabad	09-03-2018	Yes	Bore Well	28,41,10 N 77,22,53E	35 m	122	0.8	<0.002	<0.003	<0.013	-	<0.003	<0.002	-	1.01	10	-	Non Complying
129	Yadav Industries, C-11, Loni Road Ind.Area Gzb.	Ghaziabad	09-03-2018	Yes	Bore Well	28,40,53 N 77,23,23E	30 m	19	0.3	<0.002	<0.003	<0.013	-	<0.003	<0.002	-	<1	-	-	Complying
130	Agarwal Galvanizing, Unit-2, A-8/6, Meerut Road Ind. Area Guldar Ghaziabad	Ghaziabad	08-03-2018	Yes	Bore Well	28,42,11N 27,22,23E	30 m	26	0.5	<0.002	<0.003	<0.013	-	<0.003	<0.002	-	<1	2	-	Complying
131	Albert David Ltd., B-13, Meerut Road industrial Area Ghaziabad.	Ghaziabad	08-03-2018	Yes	Bore Well	28,41,05N 77,26,10E	30 m	33	0.5	<0.002	<0.003	<0.013	-	<0.003	<0.002	-	1.52	-	-	Non Complying

S.No	Name of the location	District	Date of sample collection	Inside Industry Premises (Y/N)	Source of GW	GPS Coordinates	Depth of Ground water below ground level	Sulphate (mg/l)	Fluoride (mg/l)	Cd (mg/l)	Cu (mg/l)	Pb (mg/l)	Fe (mg/l)	Ni (mg/l)	Zn (mg/l)	Mn (mg/l)	Hg (µg/l)	O & G (mg/l)	Total Cr (mg/l)	Compliance Status
	Drinking Water Specifications as per IS:10500-2012 (Acceptable Limits) in mg/l							**200**	**1**	**0.003**	**0.05**	**0.01**	**0.3**	**0.02**	**5**	**0.1**	**0.001**	**-**	**0.05**	
132	Chemo Pulp Tissues Pvt. Ltd., A-4, Set 22, Meerut Road Ind. Area Gzb.	Ghaziabad	08-03-2018	Yes	Bore Well	28,41,51 N 27,26,43E	36 m	28	0.5	<0.002	<0.003	-	-	<0.003	0.12	-	<1	-	-	Complying
133	Parle Agro P Ltd. A-7, Sector-22 Meerut Road, Ind. Area, Gzb.	Ghaziabad	09-03-2018	Yes	Bore Well	-	50 m	34	0.5	<0.002	-	<0.013	-		0.02	-	1.01	-	<0.002	Non Complying
134	E.C.E. Ltd., A-20, Meerut Road Ind. Area Gzb.	Ghaziabad	13-03-2018	Yes	Bore Well	-	50 m	49	0.6	<0.002	-	<0.013	0.05	<0.003	0.07	-	<1	2	0.07	Non Complying
135	Near boundry well of M/s ML Batra enterprisis	Ghaziabad	05-03-2018	No	Hand Pump	28.686521, 77.438617	-	23	0.6	0.04	-	0.1	-	<0.003	0.41	-	1.3	-	<0.002	Non Complying
136	Marshal Cycles, B-17/18, Meerut Road Industrial Area Gzb.	Ghaziabad	05-03-2018	Yes	Bore Well	28.689877, 77.441113	60 m	24	0.8	<0.002	-	0.07	-	<0.003	<0.002	-	2.16	-	<0.002	Non Complying
137	North Land Cycle Co. Ltd., D-21, meerut Road Industrial Area Ghaziabad	Ghaziabad	07-03-2018	Yes	Bore Well	28.685197, 77.438298	50 m	17	0.4	<0.002	-	<0.013	-	<0.003	0.01	-	1.48	-	0.02	Non Complying
138	Industrial area hand pump meerut road ghaziabad	Ghaziabad	09-03-2018	No	Handpump	-	-	27	0.5	<0.002	<0.003	<0.013	0.69	<0.003	0.04	-	<1	2	0.2	Non Complying
139	Sukrati Viddut Udyog Pvt.Ltd., D-39, Meerut Road Gzb.	Ghaziabad	05-03-2018	Yes	Borewell	-	-	36	0.4	0.03	0.15	0.09	0.04	<0.003	0.05	-	<1	2	<0.002	Non Complying
140	Non Stop Colour Industry premises	Ghaziabad	06-04-2018	Yes	Borewell	-	-	14	0.1	<0.002	<0.003	<0.013	0.01	<0.003	0.13	-	<1	2	<0.002	Complying
141	DPS gate Railway crossing	Ghaziabad	08-03-2018	No	Handpump	22.684 N, 77.434 E	66 m	15	0.3	<0.002	<0.003	<0.013	21.81	<0.003	2.21	0.1	<1	2	0.02	Non Complying
142	Karhoda village	Ghaziabad	07-03-2018	No	Handpump	28.686512 N, 77.387415 E	66 m	15	1.8	<0.002	<0.003	<0.013	0.48	<0.003	0.22	<0.002	1.12	2	<0.002	Non Complying
143	Makka Masjid, Vijay nagar	Ghaziabad	08-03-2018	No	Submersible	28.637907 N, 77.437488 E	50 m	34	0.6	<0.002	<0.003	<0.013	0.05	<0.003	<0.002	0.04	<1	2	<0.002	Complying
144	Doondaheda village, SS of GT road, Gzb	Ghaziabad	06-03-2018	No	Hand Pump	28.63 N, 77.44 E	40 m	64	0.6	<0.002	<0.003	<0.013	2.14	<0.003	1.04	-	<1	-	<0.002	Non Complying
145	Sain Vihar, near Sarthak public school, NH-24, Ghaziabad	Ghaziabad	05-03-2018	No	Hand Pump	-	40 m	26	0.8	<0.002	<0.003	<0.013	0.73	<0.003	0.06	-	<1	-	-	Non Complying
146	Slum Area Kavi Nagar B.S. Road Ghaziabad	Ghaziabad	07-03-2018	No	Hand Pump	28.65741 N, 77.46966 E	-	25	0.5	<0.002	<0.003	<0.013	2.19	<0.003	0.06	-	<1	-	0.26	Non Complying
147	Shastri Nagar Ghaziabad	Ghaziabad	07-03-2018	No	Hand Pump	28.664233 N, 77.458378 E	-	21	0.4	<0.002	<0.003	<0.013	2.57	<0.003	1.06	-	<1	-	0.03	Non Complying
148	Durgawati Loni, Ghaziabad	Ghaziabad	04-04-2018	No	Hand Pump	-	-	51	0.5	<0.002	<0.003	<0.013	0.51	<0.003	0.22	0.11	<1	-	<0.002	Non Complying
149	Handpump near Edgah, Ansal, Loni, Ghaziabad	Ghaziabad	04-04-2018	No	Hand Pump	-	-	88	0.6	<0.002	<0.003	<0.013	1.13	<0.003	<0.002	0.08	<1	-	<0.002	Non Complying
150	Handpump Near Agrola Village	Ghaziabad	08-03-2018	No	Hand Pump	28.78906 N , 77.286497 E	-	103	0.3	<0.002	<0.003	1.74	4.66	<0.003	0.19	-	1.76	2	<0.002	Non Complying
151	Agrola Village, Near Balaji Temple	Ghaziabad	09-03-2018	No	Hand Pump	28.720358 N, 77.287163 E	-	139	0.5	<0.002	0.003	<0.013	3.94	<0.003	0.03	-	1.26	2	<0.002	Non Complying
152	Hand Pump, Near to Hanuman mandir, Village-Agraula , Tronica City, Loni	Ghaziabad	06-03-2018	No	Hand Pump	28.7894 N, 77.2868 E	24 m	109	0.4	<0.002	<0.003	<0.013	10.69	<0.003	0.37	-	1.66	-	-	Non Complying
153	Hand pump near to mohd. Yameen, Om Sai City, Vill Agraula, Tronica city, Loni	Ghaziabad	06-03-2018	No	Hand Pump	28.789 N 77.284 E	36 m	47	0.5	<0.002	<0.003	<0.013	0.43	<0.003	0.12	-	1.12	2	-	Non Complying
154	Quadri Processors, I-8, See D- 1(P3),.Apparel Park, Tronica City,	Ghaziabad	09-03-2018	Yes	Bore well	-	40 m	22	0.5	<0.002	<0.003	<0.013	0.002	<0.003	0.3	-	<1	-	-	Complying

S.No	Name of the location	District	Date of sample collection	Inside Industry Premises (Y/N)	Source of GW	GPS Coordinates	Depth of Ground water below ground level	Sulphate (mg/l)	Fluoride (mg/l)	Cd (mg/l)	Cu (mg/l)	Pb (mg/l)	Fe (mg/l)	Ni (mg/l)	Zn (mg/l)	Mn (mg/l)	Hg (µg/l)	O & G (mg/l)	Total Cr (mg/l)	Compliance Status
	Drinking Water Specifications as per IS:10500-2012 (Acceptable Limits) in mg/l							**200**	**1**	**0.003**	**0.05**	**0.01**	**0.3**	**0.02**	**5**	**0.1**	**0.001**	**-**	**0.05**	
155	Hand pump, village pakhi sadakpur, 1 km, Tronica city	Ghaziabad	07-03-2018	No	Hand Pump	-	43 m	21	0.6	<0.002	<0.003	<0.013	0.42	<0.003	0.24	-	-	2	<0.002	Non Complying
156	Near Adunik Dyeing formally known as Puran Munjal, H-12. Sector D-1(P), Aparels Park, Tronica City, Loni,Ghazlabad	Ghaziabad	06-03-2018	No	Bore well	-	40 m	48	0.6	<0.002	<0.003	<0.013	0.01	<0.003	<0.002	-	<1	2	<0.002	Complying
157	Village Agraula Tronika City Loni Ghaziabad	Ghaziabad	06-03-2018	No	Handpump	29° 47' 17.6"N 77° 17' 41.2"E	67 m	41	0.5	<0.002	<0.003	<0.013	0.01	<0.003	<0.002	-	1.52	-	-	Non Complying
158	Road Side Hand Pump Near Tronica City	Ghaziabad	07-03-2018	No	Borwell	28.763003 N 77.283391 E	26 m	65	0.2	0.03	<0.003	0.03	-	<0.003	0.12	-	1.52	2	-	Non Complying
159	M/s Krish Garments (Sanjeev Kumar), G-109, Sec D-1 (P3), Apparel Park, Tronica City Loni Ghaziabad	Ghaziabad	09-03-2018	Yes	Handpump	28.78497 N 77.29253 E	20 m	75	0.1	<0.002	<0.003	<0.013	-	<0.003	0.11	-	<1	2	<0.002	Complying
160	Siddhi Vinyak Tex, H-11, Apparel Park, Sector D-1(P3), Tronica City, Loni, Ghaziabad.	Ghaziabad	06-03-2018	Yes	Borwell	-	-	194	0.4	<0.002	<0.003	<0.013	<0.002	<0.003	<0.002	-	<1	2	-	Complying
161	Agrola Village	Ghaziabad	06-03-2018	No	Hand Pump	-	-			<0.002	<0.003	<0.013	0.02	<0.003	<0.002	-	-	2	-	Complying
162	Tronica City, Agraula, Near Chainpal Market, Gzb	Ghaziabad	09-04-2018	No	Hand Pump	28.7883 N, 77.28848 E	35 m	60	0.7	<0.002	<0.003	<0.013	-	<0.003	0.24	-	<1	2	-	Complying
163	Village Alipur, Mandola 1, Gzb	Ghaziabad	09-04-2018	No	Hand Pump	28.7937 N, 77.27715 E	35 m	108	0.5	<0.002	<0.003	<0.013	-	<0.003	0.04	-	<1	2	-	Complying
164	Village Alipur, Mandola 2, Gzb	Ghaziabad	09-04-2018	No	Hand Pump	28.79442 N, 77.27719 E	35 m	101	0.4	<0.002	<0.003	<0.013	-	<0.003	0.44	-	<1	2	-	Complying
165	S- Block, Industrial Area Loni, Gzb	Ghaziabad	12-04-2018	No	Bore Well	28.686 N, 77.37726 E	30 m	111	0.7	<0.002	<0.003	<0.013	-	<0.003	0.03	-	<1	2	-	Complying
166	Village Bhoorgarhi, Dasna, Gzb	Ghaziabad	26-04-2018	No	Hand Pump	28.676 N, 77.37726 E	40 m	136	1.8	<0.002	0.03	<0.013	0.14	<0.003	<0.002	0.19	<1	2	0.03	Non Complying
167	Agraula Village, Loni Ghaziabad	Ghaziabad	08-03-2018	No	Hand Pump	-	60 m	119	0.3	-	-	-	-	-	-	-	-	2	-	Complying
168	Tusar Garments, J-3, Apparel Park, Sector D-1(P3), Tronica City, Loni.	Ghaziabad	08-03-2018	Yes	Bore Well	-	-	60	0.5	-	-	-	-	-	-	-	-	2	-	Complying

Annexure-X

Water Quality Monitoring Results of River Sheela, Hindon, Krishni, Kali (W), River Yamuna & Drains collected during March- April, 2018

S. No. As per Map	River/ Drain	Sample location	Date of sampling	Analysis results																	
				pH	Cond	TDS	COD	BOD	NH3-N	Total Coliform MPN/100 ml	Fecal Coliform MPN/100 ml	Fecal Streptococci MPN/100 ml	Enterococcus MPN/100 ml	E. coli MPN/ 100 ml	Total Plate Count CFU/ml	Cd	Cr	Cu	Fe	Mn	Ni	Pb	Zn
																(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
1	Sheela	B/c of Kali (W) River	08.03.2018	8.2	690	444	38	4	2	13×10^2	490	920	920	-	-	BDL	BDL	BDL	0.89	0.23	BDL	0.04	0.02
2	Kali (W)	A/c of Sheela River	08.03.2018	8	606	374	34	3	3	350	240	1600	1600	-	-	BDL	BDL	BDL	0.58	0.24	BDL	BDL	BDL
3	Kali (W) River	B/c of River Hindon	08.03.2018	7.9	1616	1244	558	311	18.2	14×10^5	11×10^5	28×10^5	28×10^5	-	-	BDL	0.05	0.03	2.9	0.31	BDL	0.05	0.58
4	Hindon	River Hindon at Budana	08.03.2018	7.3	1242	726	176	69	23	54×10^4	47×10^3	13×10^3	13×10^3	-	-	BDL	BDL	BDL	1.11	0.28	BDL	BDL	0.02
5	Hindon	A/c of River Kali & B/c of River Krishni	08.03.2018	7.5	1380	1024	410	238	13.4	23×10^4	45×10^3	33×10^3	33×10^3	-	-	BDL	BDL	BDL	2.43	0.46	BDL	BDL	0.96
6	Krishni	River Krishni B/c of River Hindon at Barnawa	08.03.2018	7.8	1276	800	254	34	32	92×10^3	54×10^3	310	310	-	-	BDL	BDL	BDL	0.7	0.2	BDL	BDL	0.03
7	Hindon	River Hindon at Pura Mahadev	08.03.2018	7.8	1300	944	260	55	22	40×10^3	26×10^3	25×10^2	25×10^2	-	-	BDL	BDL	BDL	1.37	0.22	BDL	BDL	0.48
8	Hindon	River Hindon U/s of Khareda Drain	11.04.2018	7.2	351	218	41	9	2.5	35×10^3	33×10^2	-	-	-	-	BDL	BDL	BDL	1.1	-	0.01	BDL	0.24
9	Drain	Karheda Drain B/c of River Hindon	11.04.2018	7.53	-	1768	350	103	-	-	-	-	-	-	-	BDL	0.29	0.06	8.86	-	0.11	0.14	2.07
10	Drain	Indirapuram Drain B/c of River Hindon	11.04.2018	7.22	-	760	546	179	-	-	-	-	-	-	-	BDL	0.02	BDL	3.38	-	0.01	0.02	0.38
11	Drain	Hindon Vihar Drain B /c of River Hindon	11.04.2018	7.3	-	1104	567	148	-	-	-	-	-	-	-	BDL	0.35	0.18	16.22	-	0.06	0.17	0.67
12	Drain	Pratap Vihar Drain B/c of River Hindon	11.04.2018	7.08	-	2780	557	149	-	-	-	-	-	-	-	0.01	0.02	0.02	16.12	-	0.01	0.49	0.35
13	Drain	khaila Bhatta Drain B/c of River Hindon	11.04.2018	7.48	-	1088	393	169	-	-	-	-	-	-	-	BDL	0.09	BDL	5.09	-	0.04	BDL	0.22
14	Drain	Kot Escape Drain B/c of River Hindon	13.04.2018	7.4	442	264	26	7	2.8	-	-		-	-	-	BDL	0.05	BDL	2.32	-	BDL	BDL	BDL
15	Hindon	River Hindon B/c of River Yamuna	13.04.2018	7.4	658	360	63	15	5.9	92×10^5	92×10^5	24×10^4	24×10^4	92×10^5	15×10^5	BDL	0.21	BDL	7.05	-	0.01	BDL	0.04
16	Yamuna	River Yamuna A/c of River Hindon	13.04.2018	7.5	669	374	65	14	6.6	16×10^6	14×10^5	13×10^4	13×10^4	33×10^4	75×10^4	BDL	0.20	BDL	4.21	-	BDL	BDL	BDL

Annexure-X (a)

Water Quality Monitoring Results of River Hindon, Krishni, Kali (W), Sheela, River Yamuna & Drains – For pesticides (Corrected)

S.No As per Map	Name pf River/ Drain	Sample location	Date of sampling	Analysis results for Pesticides														
				Organochlorine Pesticides (OCPs) in µg/l										Organophosphorous Pesticides (OPPs) in µg/l				
				α-HCH	β-HCH	γ-HCH	Aldrin	Dieldrin	α-Endosulfan	β-Endosulfan	*o,p'*-DDT	*p,p'*-DDT	*p,p'*-DDE	Dimethoate	Methyl Parathion	Malathion	Chloropyrifos	Ethren
1	Sheela	B/c of Kali (W) River	08.03.2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	Kali (W)	A/c of Sheela River	08.03.2018	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
3	Kali (W)	B/c of River Hindon	08.03.2018	BDL	0.22	BDL	BDL	BDL	BDL	BDL	BDL	0.06	BDL	BDL	BDL	BDL	BDL	BDL
4	Hindon	at Budana	08.03.2018	BDL	0.05	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
5	Hindon	A/c of River Kali & B/c of River Krishni	08.03.2018	BDL	0.07	BDL	8.57	BDL	BDL	0.06	0.18	0.14	BDL	BDL	BDL	BDL	BDL	BDL
6	Krishni River	B/c of River Hindon at Barnawa	08.03.2018	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
7	Hindon	at Pura Mahadev	08.03.2018	BDL	BDL	BDL	0.14	BDL	BDL	BDL	BDL	0.13	BDL	BDL	BDL	BDL	BDL	BDL
8	Hindon River	River Hindon U/s of Khareda Drain	11.04.2018	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	-	-	-	-	-
9	Drain	Karheda Drain B/c of River Hindon	11.04.2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	Drain	Indirapuram Drain B/c of River Hindon	11.04.2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	Drain	Hindon Vihar Drain B/c of River Hindon	11.04.2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	Drain	Pratap Vihar Drain B/c of River Hindon	11.04.2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	Drain	khaila Bhatta Drain B/c of River Hindon	11.04.2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14	Drain	Kot Escape Drain B/c of River Hindon	13.04.2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15	Hindon River	River Hindon B/c of River Yamuna	13.04.2018	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	-	-	-	-	-
16	Yamuna River	River Yamuna A/c of River Hindon	13.04.2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Annexure-XI

Industry-wise Water Consumption, Waste Water Generation and Final Mode of Disposal of Generated Industrial Effluent

Sl. No	Name & Address of Industry	Source of water supply	Total Water Consumption in KLD	Waste Water Generation in KLD	Final mode of disposal of generated Industrial effluent
1	Adarsh Thermopack Industries (P) Ltd, E-106, Site B, Surajpur, Greater Noida	Bore well	25	20	Drain
2	Aricab Fab (P) Ltd, C-4, Site-4, Surajpur, Greater Noida	Closed	Closed	Closed	Closed
3	Chaudhary Skin Trading Company, D-34, Site-B, Surajpur, Greater Noida	Bore well	27	14	Drain
4	Colour & Style (P) Ltd, A-1/2, 8/9, Site-B, Surajpur, Greater Noida	Bore well	55	46	Drain
5	Continental Milkose (India) Ltd, Habibpur, Kulesra, Greater Noida	Bore well	1.5	50	Reuse
6	Honda Cars India Ltd, Plot No A-1, Sector40/41, Surajpur, Kasna Road, Greater Noida, U.P.	Bore well	2920	955	Reuse
7	Hotz Industies Udyog Vihar, Greater Noida	Closed	Closed	Closed	Closed
8	M/S LG Electronics, Plot nN 51, Udyog Vihar , Surajpur, Gr.Noida, UP	Bore well	750	750	Reuse
9	M.K.leather Trading Company, 0-33, Site B, Surajpur, Greater Noida	Bore well	2.5	2.5	Drain
10	Shree Jagdamba Knits (P) Ltd, P.No.-95,105, Site-B, Surajpur Indl.Area,G.Noida	Bore well	400	300	Drain
11	M/S Gabriele Lucano CNH Industrial India Pvt Ltd formerly known as M/s New Holland Fiat (India) Pvt. LTd., Plot No 3 Udyog kendra, Ecotech-III, G.Noida	Bore well	1000	1000	Reuse
12	Sky Lark Dyeing (P) PVT LTd, Plot No.- B-2/14. Site-B, Surajpur, G.Noida	Bore well	200	200	Drain
13	M/S Yamaha Motor India (P) Ltd., A3 Indl.Area, Noida-Dadri Rd, Surajpur, G.B. Nagar	Bore well	800	800	Drain
14	M/S Suchi Paper Mills Ltd, 589/2, Bisrakh Road, Vill. Chapraulla, G.B. Nagar	Bore well	1000	500	Drain
15	M/S Kawatra Papers (P) Ltd., khasra No. 606, Village,Dhoom Manikpur, G.T. Road, Dadri, Dist. GB Nagar, UP	Tube well	800	500	Drain
16	M/s Aar Bee Exports, Plot No-155, Udyog Kendra, Greater Noida	Closed	Closed	Closed	Closed
17	M/s Amber Enterprises Ltd, Plot No-C-3,UPSIDC, Site-4, Ksana G.Noida	Tube well	30	40	Reuse
18	M/s Autotech Steel Engineering (P) Ltd, PIot.No. 2B/3, Ecotech-I, Extn-I, Kasna, G.Noida	Bore well	7	3	Reuse
19	Bajaj Carpet Industries Ltd, Suthyana Noida Dadr Highway G.B. Nagar	Bore well	47	30	Drain
20	M/S Capital dyeing works, Plot No C-6, site C6, Surajpur, UPSIDC, G.Noida	Bore well	30	21	Drain
21	C & S Electric Ltd, Plot No B-I, Site 4 Indl.Area, Kasna Road, G.Noida	Tube well	12.5	5	Drain
22	Expert Metaltech Pvt Ltd, Factory 192, Udyog kendral Gr.Noida (U.P.)	Bore well	0.5	0.5	Drain
23	G.T.Cargo fittings India Pvt. Ltd. Plot no-92, Udhog kendra, Ecotech III, G.Noida	Bore well	8.5	6	Drain
24	Ganga Polyester Ltd. . H-37/38 Site C, Surajpur Textiles	Bore well	7	6	Drain
25	M/s Garg Tube Co. Ltd. Vill-Chaproulla, G.T. Road,G. Noida	Tube well	12	10	Drain
26	Goodluck Engineering, ViLL -Dhoom, Manikpur, G.T. Road, G. Noida	Bore well	75	Not Available	Not available
27	M/S Hero Motors Ltd. (Punch Division), Vill-Achheja, G.T. Road, G. Noida	Bore well	150	90	Reuse
28	M/s Honda Siel Power Product Ltd, Plot No -5, Sec41, Ecotech-1, G Noida	Bore well	750	720	Reuse
29	M/s Indo Pump Plot no F-29-30, Site B, G. Noida	Bore well	12	8.8	Drain
30	M/s Indus tubes Ltd, Vill-Chaproulla, G.T. Road, G. Noida	Bore well	12	6	Drain
31	M/s Jayanita Export (P) Ltd. Plot No. A-1, EPIP, Kasna, G. Noida	Bore well	4	3.5	Drain
32	M/s J.M.V.L.P.S. Ltd., (Ex Name J.M.V. Earthing Equipment pvt. Ltd) Plot No- J-12, Site-C, UPSIDC, Gr.Noida	Bore well	1.46	1.25	Drain
33	M/s JBM Autotech, Plot No. J-5, SITE -C , Gr.Noida	Bore well	1.7	1.25	Drain
34	M/s Material Movell India (P) Ltd, PIot.No.G-86/1, Site-5, UPSIDC,Gr.Noida	Bore well	1.33	1.16	Drain

Sl. No	Name & Address of Industry	Source of water supply	Total Water Consumption in KLD	Waste Water Generation in KLD	Final mode of disposal of generated Industrial effluent
35	M/s Mohak Carpet Plot No. 8, Mihila Udyami Park-II, G.Noida	Closed	Closed	Closed	Closed
36	Nippon Tube Ltd, Bisrakh Road, Vill- Chapraulla, Gr.Noida.	Bore well	8.3	7.5	Reuse
37	M/s R.S. Infrastructure Pvt. Ltd. Plot No. 12/1, Site -C, Surajpur, Gr.Noida	Bore well	10	0.6	Reuse
38	M/s Rahul lonTech Pvt. LTd, Plot No. 143, Plot No. 143, Udyog Kendra, Gr.Noida	Bore well	5.5	5.5	Drain
39	M/s Sunshine Auto Industries Plot No. F-24, Site-B SURAJPUR, Gr.Noida	Closed	Closed	Closed	Closed
40	M/s Surya Processor Pvt. LTd , BISRAKH ROAD, Vill-CHHAPRAULA, Gr.Noida	Bore well	492	435	Drain
41	M/S V.N.M. Components, Plot No-116, Site B, Surajpur, Greater noida	Closed	Closed	Closed	Closed
42	M/s Bir Horizons Pvt. Ltd. , Plot No. F-79, SITE-B, Surajpur, Gr.Noida	Bore well	32	2	Drain
43	Vimal dyeing Hite C, H-41, surajpur industrial area	Bore well	4	3	Drain
44	M/s Vikas Wire Industries, Plot No 5-37, Site C, Gr. Noida	Bore well	0.25	0.22	Drain
45	S.P.Metaltech India Pvt LTD , G-82&81, Site B, Indl. Area, Surajpur, Gr.Noida	Bore well	0.25	0.22	Drain
46	M/s Metaltech Design (P) ltd, Plot No 7, Udyog Kendra, Gr.Noida	Bore well	0.5	0.3	Drain
47	India Dyeing and Textiles, F 75, Site B, Surajpur, Gr.Noida, G.B.Nagar	Bore well	8.7	8.2	Drain
48	Spack Automotive pvt Ltd. Kasna Road, Surajpur, Greater Noida	Bore well	46	7.6	Drain
49	M/S Neuman Components Pvt. Limited Plot no 35,Sec-31, Kasna, G. Noida	Bore well	8.7	8	Drain
50	M/S Rasandik Engg. India Ltd., Plot no A-1/2, Surajpur , Industrial Area, G. Noida	Bore well	1700	1300	Drain
51	M/S Asian Paints Ltd., Plot No. A-1, UPSIDC, Indl. Area, Site 5, G. Noida,	Bore well	330	160	Reuse
52	M/s. Surya Fresh Food Ltd., Plot No. 14, Dadri Road, G.Noida, GB Nagar	Bore well	25	Not Available	Drain
53	M/S Graziano Trasmissioni India Pvt. Ltd., PLOT NO-14, Udyog Kendra, Gr.Noida	Bore well	200	107	Reuse
54	M/S KRBL Ltd., Village- Achchheja,G.T. Road , Dadri, Gr.Noida	Bore well	265	270	Reuse
55	M/s Bajaj Hindustan Sugars Ltd, Sugar Unit,Kinauni, Meerut	Tube well	2094	590	Reuse
56	M/s Bajaj Hindustan Sugars Ltd, Distillary Unit,Kinauni, Meerut	Tube well	1434	1389	Reuse
57	M/s Sardhana Papers pvt Ltd, Opp. Power sub station,Meerut Road, Sardhana	Bore well	515	294	Drain
58	M/s Ramala Sahkari Chini Mills Ltd, Ramala, Bagpat	Tube well	113	83	Reuse
59	M/s Titwai Sugar Complex, Indian Potash Limited unit,Titwai, Muzaffarnagar	Bore well	1035	900	Lagoon
60	M/s Bajaj Hindustan Ltd. Budhana, Muzaffarnagar	Tube well	712	667	Lagoon
61	M/s D.S.M. Sugar Mansurpur, Meerut Road.	Bore well	157	57	Reuse
62	M/s Uttam Sugar Mills, Khaikheri,Muzaffarnagar.	Bore well	454	227	Reuse
63	M/s Triveni Engg. Industries Ltd. Khatauli, Muzaffarnagar.	Bore well	164	188	Reuse
64	M/s Triveni Engg. Industries Ltd.(Alco) Bilaspur, Jolly Road, Muzaffarnagar.	Bore well	1430	1040	Reuse
65	M/s Sir Shadi Lal Distillery & Chemical Works, Mansoorpur	Tube well	650	710	Reuse
66	M/s I.P.L. Sugar Unit Rohana Kalan, Muzaffarnagar.	Bore well	185	134	Reuse
67	M/S Garg Duplex, Bhopa road, Muzaffarnagar, U.P	Bore well	1013	563	Drain
68	M/s Silvertone Paper Ltd. (unit I) Bhopa Road, Muzaffarnagar	Bore well	930	900	Drain
69	M/s Shalimar Paper (p) Ltd., 8th KM stone Jansath Road,Muzafarnagar	Closed	Closed	Closed	Closed
70	M/S Bindalas Ltd, (Unit-1) Bhopa Road, Muzaffarnagar	Bore well	500	300	Drain
71	M/S Bindalas Ltd, (Unit-2) Bhopa road, Muzaffarnagar	Bore well	1150	950	Drain
72	M/S Shakumbari Pulp & Paper Bhopa Road	Bore well	525	250	Drain
73	M/s. N.S. Papers Ltd. (Unit-1), Jansath Road, Muzaffar Nagar	Bore well	325	250	Drain
74	M/s. N.S. Papers Ltd. (Unit-3), Jansath Road, Muzaffar Nagar	Bore well	1000	750	Drain
75	M/S Mahalaxmi Craft & Tissues Bhopa Road, 9th Km, Jansath Road	Bore well	450	225	Drain

Sl. No	Name & Address of Industry	Source of water supply	Total Water Consumption in KLD	Waste Water Generation in KLD	Final mode of disposal of generated Industrial effluent
76	M/S Aggarwal Duplex & Board Mills Ltd. Bhopa Road	Bore well	1600	845	Drain
77	M/S Tirupati Balaji Fibers Ltd. Bhopa Road	Bore well	335	235	Drain
78	M/S Meenu Papers (P) Ltd., 9.5 Km, Bhopa Road	Bore well	400	310	Drain
79	M/S Tehri Pulp & Papers Ltd. (Unit-I), 9th Km Stone, Bhopa Road	Bore well	2875	2000	Drain
80	M/S Tehri Pulp & Papers Ltd. (Unit 2), 9th Km Stone, Bhopa Road	Bore well	900	660	Drain
81	M/S Suyash Craft & Papers Ltd Village- Velhana, Meerut Roadf, Muzaffarnagar	Bore well	522	300	Drain
82	M/S Shri Bhageshwari Paper Mills (P) Ltd., 9 th Km Stone (Unit-1), Bhopa Road, Muzaffarnagar	Bore well	1800	1400	Drain
83	M/S Shri Bhageshwari Paper Mills (P) Ltd., 9 th Km Stone (Unit-2), Bhopa Road, Muzaffarnagar	Bore well	2134	1710	Drain
84	M/s Sidhbali Papers mills Ltd,), 45-B, New Mandi, Muzaffarnagar	Bore well	913	525	Drain
85	M/s Siddheshwari Ind. Pvt. Ltd., Jansath Road,	Bore well	730	365	Drain
86	M/s K.K. Duplex & Paper Mill Pvt. Ltd., Jansath Road, Muzaffarnagar	Bore well	165	70	Drain
87	M/s Silver Tone Pulp & Paper, 9th Km Stone, Bhopa Road, Muzaffarnagar.	Bore well	645	966	Drain
88	M/S Bindal Papers Ltd. Bhopa Road, Muzaffarnagar	Bore well	9429	5475	Reuse
89	M/s. Arihant Pulp & Papers Ltd., Jansath Road, Muzaffar Nagar.	Closed	Closed	Closed	Closed
90	M/s Disha Industries ltd., 9th Km, Jolly Road, Vill- Sikhrera, Muzaffarnagar	Bore well	800	585	Drain
91	M/s. Galaxy Papers Pvt. ltd., 9.4 Km Jolly Road, Vill-Dhandhara,Muzaffarnagar	Bore well	180	0	Reuse
92	M/s. Taj Papers Pvt. Ltd., Jolly Road, Muzaffarnagar	Closed	Closed	Closed	Closed
93	M/s. Shaktl Kraft & Tissues Pvt. Ltd., 9th Km, Jansath Road,Muzaffarnagar	Bore well	500	480	Drain
94	M/s. Aristo Craft Papers Pvt ltd, 7 Km, Meerut Road, MuzaffarNagar	Bore well	285	250	Drain
95	M/s. Orient Board & Papers Pvt. Ltd., Jansath Road, Muzaffarnagar	Closed	Closed	Closed	Closed
96	M/s Magma Industries Ltd., C-27 UPSIDC Industrial Area, Begrajpur, M.Nagar	Bore well	Not available	Not Available	Drain
97	M/s. Ravi Organics Ltd., Begrajpur, Muzaffarnagar	Closed	Closed	Closed	Closed
98	M/s. Gulshan Polyoles Ltd., Jansath, Road, Muzaffarnagar	Bore well	1030	910	Drain
99	M/s. Al-Noor Exports, Jansath Road, Muzaffarnagar	Bore well	270	107	Drain
100	M/s Parijat Paper Mill, Bhopa Road, Muzaffarnagar	Bore well	780	815	Drain
101	M/s. H.J. Tannery,9th Km, Jansath Road, Muzaffarnagar	Bore well	Not Available	Not Available	Not Available
102	M/s Nikita Papers P.Ltd., C-10, Ind.Estate, Panipat road, Shamli	Tube well	400	1600	Reuse
103	M/s.Maruti Papers Pvt.Ltd., Village Sikka, Shamli	Tube well	516	Not Available	Reuse
104	M/S Upper Dpab Sugar Mill Shamli	Bore well	1080	600	Reuse
105	M/s Bajaj Hindustan Ltd. Thanabhawan, Muzaffarnagar	Bore well	1100	1000	Reuse
106	Shamli distillery & Chemical works , Shamli	Bore well	650	405	Reuse
107	M/s NTPC Ltd, Dadri, Gauthambuddh nagar	Upper Ganga Canal	7300	2350	Drain
108	M/s Co-operative Co. Ltd., Tapri, Saharanpur	Bore well	Not available	Not Available	Not available
109	M/S U.P Coperative Sugar Factories Fedreation Ltd. Nanawta Distillery Unit , Nanauta , Saharanpur	Closed	Closed	Closed	Closed
110	Bajaj Hindustan Ltd. Distillary Unit Gangnoli	Bore well	760	560	Reuse
111	The Kisan Sahakari Chini Mill, Nanouta, sahranpur UP	Bore well	Not available	500	Lagoon
112	Daya Sugar Gagalheri, Saharanpur, U.P	Bore well	3250	500	Lagoon
113	Triveni Engg. & Industires Ltd., Deoband, Saharanpur, U.P	Bore well	54.5	1080	Lagoon
114	Bajaj Hindustan Sugar Ltd., Gangoli Saharanpur, U.P	Bore well	1150	682	Lagoon
115	Star Paper Mill , Saharanpur	Tube well	12000	12000	Drain
116	Plaza Paper P.Ltd. Saharanpur	Closed	Closed	Closed	Closed
117	Rainbow Board Mill, (Unit Kraft Paper) Saharanpur	Closed	Closed	Closed	Closed
118	Swaroop Paper (P) Ltd. Saharanpur	Closed	Closed	Closed	Closed
119	Hindon Filter (P) Ltd. Saharanpurr	Bore well	354	202	Drain

Sl. No	Name & Address of Industry	Source of water supply	Total Water Consumption in KLD	Waste Water Generation in KLD	Final mode of disposal of generated Industrial effluent
120	Nagar Nigam Pashuvadhshala, Saharanpur	Bore well	175	150	Drain
121	A.L. M. Industries (Slaughter House), 43, Qutab Market, Near Qutab Sher Thana, Ambala Road, Saharanpur	Bore well	345	480	Reuse
122	A.L.M. Industries (Meat Processing Unit) , 43, Qutab Market, Near Qutab Sher Thana, Ambala Road, Saharanpur	Bore well	56	100	Reuse
123	J.J. Textile, Textile, Mahipura Road, Near MS College, Janta Road, Saharanpur	Bore well	20	19.4	Drain
124	Durga Textile, Mahipura Road, Near MS College, Janta Road, Saharanpur	Bore well	23	22.4	Drain
125	Garg Dyeing, 47 Kamdhenu Complexd, Saharanpur	Closed	Closed	Closed	Closed
126	Arora Hoiesery, Janta Road, Saharanpur	Bore well	19	15	Drain
127	Deep Industries Delhi Road, I.E., Delhi Road, Saharanpur	Bore well	21	20.5	Drain
128	Atul Textile Industried Ltd., Shakumabari, Behat Road, Saharanpur	Bore well	21	20.4	Drain
129	M/s Siddhartha Textile, Aziz colony, Chilkana Road, Saharanpur	Bore well	21	20.6	Drain
130	M/s Saharanpur Wooles Ltd., Delhi Raod, Saharanpur	Bore well	25	22	Drain
131	M/s Shalimar Cotton Dyeing, Saharanpur Behat Road, Rasulpur, Saharanpur	Bore well	21	21.5	Drain
132	M/s S.M.C. Foods Ltd. Nnauta, Saharanpur	Bore well	150	900	Drain
133	M/s Pashupati Dairy (P) Ltd. Village Kumharhera, Dehradun Road, Saharanpur	Bore well	0.75	0.5	Drain
134	Shree Krishna Board Mill Dehradun Road, Saharanpur	Tube well	10	10	Reuse
135	Mahaveer Hand Made Paper & Board Mill	Closed	Closed	Closed	Closed
136	Shankar Board Mill Saharanpur	Closed	Closed	Closed	Closed
137	M/s Parmal Paper Ltd., Saharanpur	Closed	Closed	Closed	Closed
138	Rainbow (P) Ltd. Mills Saharanpur	Closed	Closed	Closed	Closed
139	Saharanpur Paper Board Mill, Village- Majri, Dehradun Road, Saharanpur	Bore well	2	0.5	Reuse
140	Majri Gramodhyod Sansthan, Village- Majri, Dehradun Road, Saharanpur	Bore well	1	0.3	Reuse
141	M/s Jagadamba Gramodyog Sansthan Name changed to M/s Laxmi Associates, Chhagpura, Deharadun Road, Sharanpur.	Bore well	1	0.15	Reuse
142	M/s Jayna Gramodyaog Sansthan, Gagalheri Name changed to M/s Ekta Gramodyog Sansthan, Gagalheri.	Bore well	1	0.15	Reuse
143	M/s Tiwaya File Board Mill, Nawada Road, Saharanpur	Bore well	0.8	0.075	Drain
144	M/s Star Gramodyaog Sansthan, Manakmau,	Closed	Closed	Closed	Closed
145	Janhit Gramodhyog Sansthan Dehradun Road, Saharanpur	Closed	Closed	Closed	Closed
146	M/s Sufi Pulp & Paper Gramodhyog Sansthan, Gagalheri, Saharanpur	Closed	Closed	Closed	Closed
147	M/s Balaji Wire Pvt. Ltd., 139·A, Anand Industrial Estate Mohan Nagar, Gzb.	Bore well	40	6	Drain
148	M/s Bansal Wire high Corbon Pvt.ltd., 120-126, Anand Ind. Estate Mohan Nagar Gzb.	Bore well	36	16	Drain
149	M/s Jai Durge Metalizing, 67, Anand Ind. Estate Mohan Nagar Gzb.	Closed	Closed	Closed	Closed
150	Sarasati Bangle Udyog, 29, Anand Industrial Estate Mohan Nagar,Gzb.	Closed	Closed	Closed	Closed
151	Mohan Meakins Ltd., Mohan Nagar, Ghaziabad	Bore well	439	257	Reuse
152	Yadav Industries, 7, Anand Ind.Estate , Mohan Nagar Gzb	Not exists at the given Address	Not exists at the given Address	Not exists at the given Address	Not exists at the given Address
153	A.B.Cycle Parts Pvt. Ltd., S-24, South Side of G. T. Road, Gzb.	Bore well	0.6	0.3	Drain
154	A.C.E. Hardware Pvt. Ltd., E-21 & 22, Kavinagar Ind. Area Gzb.	Not applicable	Not applicable	Not applicable	Not Aplicable
155	A.S.T. Pipes, B-33, BS Road Ind. Area, Gzb.	Closed	Closed	Closed	Closed
156	Amit Textiles, 5-32, SS of GT Road	Closed	Closed	Closed	Closed
157	Amko Export, A-1, B.S. Road Ind.Area, Gzb.	Bore well	270	200	Drain
158	Amrit Foods, Amrit Nagar, G.T. Road East Gzb.	Bore well	290	140	Drain
159	Balaji Engineering Works, 351, Pandav Nagar, Gzb.	Bore well	0.18	0.14	Reuse
160	Balaji Enterprises, B-22/1/15, B.S.Road Ind. Area Gzb.	Bore well	Not available	Not Available	Reuse
161	Continental Carbon India ltd., A·14, SS of G.T. Road Gzb.	Tube well	450	900	Reuse
162	Elin Electonics Ltd., C-142-144, BS Road, Industrial Area, Gzb.	Bore well	Not available	Not Available	Drain
163	Indian Textiles Co., E-49, B.S. Road, Gzb.	Bore well	60	40	Drain

Sl. No	Name & Address of Industry	Source of water supply	Total Water Consumption in KLD	Waste Water Generation in KLD	Final mode of disposal of generated Industrial effluent
164	J.D.M. Enterprises, C-223/1, BS Road Ind. Area Gzb.	Purchased water	0.5	Not Available	Drain
165	Karam Chandra Chains Ltd., C-229, BS Road Ind.Area Gzb.	Tube well	Not available	Not Available	Drain
166	Karam Chandra Rubber Pvt. Ltd., C- 230 B5 Road Ind. Area Gzb.	Bore well	8	6	Reuse
167	Kashyap Organics Pvt. Ltd., C-172, B.S. Road Ind. Area Gzb.	Closed	Closed	Closed	Closed
168	lion Cycle & Rikshaw Industries, E·l0, B.S. Road Ind. Area Gzb.	Not available	Not available	Not Available	Not available
169	Malik Nidles & Allied Products, C-108, BS Road Ind. Area Gzb.	Bore well	0.5	0.4	Drain
170	Manav Braveries Pvt. Ltd., C-128, BS Road Ind.area Gzb.	Closed	Closed	Closed	Closed
171	Nip Man Fastners India Pvt. ltd., C- 197, BS Road Ind. area Gzb.	Closed	Closed	Closed	Closed
172	Northern India Cyco Parts, E-2, SS of GT Road Gzb.	Bore well	4	6	Drain
173	Progressive Tools & Component Pvt.Ltd. C-222, B.S. Road Ind. Area , Gzb	Bore well	14.4	14	Drain
174	S.S.Enterprises, 363, Pandav Nagar Mahrauli Gzb.	Not available	0.5	0.2	Reuse
175	M/s Shakshi Metals Works, D-1A, Kavi Nagar Industrial Area, Sec-7, Ghaziabad	Bore well	1	0.07	Drain
176	M/S Shanti Nath Manufactures ,, A-2/4, E-block, Kavi Nagar Indl.Area, Ghaziabad	Bore well	0.3	0.25	Drain
177	M/S Sara Exports Ltd, Plot No 35/1, 36 south slide, G.T. Road, Industrial area, Ghaziabad	Bore well	42	41.5	Drain
178	M/s Shivam Engineering and fabrication, A -282, south side, G.T. Road Industrial area, Ghaziabad	Bore well	Not available	0.14	Drain
179	M/s Shri Guru Kripa Industries, E-25, south side, Industrial area, G.T. Road, Ghaziabad, U.P.	Purchased water	2500	520	Drain
180	M/s Suruchi Dyeing Udyog Pvt Ltd 37, South side Industrial area, NH 24, Ghaziabad	Bore well	3.47	1.74	Reuse
181	M/s Tarun International C-15, SS of GT road, Ghaziabad	Bore well	4	Not Available	Drain
182	M/s Vimal Organics Pvt Ltd, D-35BS Road, Industrial area, Ghaziabad	Closed	Closed	Closed	Closed
183	M/s Al Nafees Frozen Foods Export, Hapur Rd. Dasna Ghaziabad	Bore well	600	Not Available	Drain
184	M/s Al-Naseer Export Pvt. Ltd., Khasara no 2761 & 2762 Vill- Bhoorgarhi Dasna , Ghaziabad	Bore well	440	200	Drain
185	M/s Eagle Continental Foods Pvt ltd, Dasna Ghaziabad	Bore well	300	300	Not available
186	M/s Exclusive leathers, Khasara No, 2751, Bhoorgarhi Dasna , Ghaziabad	Bore well	Not available	Not Available	Drain
187	Futuro Component Pvt. Ltd., koshilya road Hindon River, Dasna, Ghaziabad	Bore well	22	Not Available	Drain
188	M/s International agro Foods (Integrated slaughter House) Plot No. 2764 - 2766, Bhurgardi, Dasna, Distt. Ghaziabad U.P.	Bore well	240	220	Reuse
189	M/s Karan Frozen Foods, Plot No. 2770, 2772, Burgadi, Dasna, Ghaziabad	Bore well	Not available	Not Available	Drain
190	M.D.Frogen Foods Export, Vill- Bhoorearhi Dasna Ghaziabad.	Bore well	Not available	Not Available	Not available
191	M/s Shree Ganga Paper Mills Pvt. Ltd. Bhurgadi, Dasna, Hapur Road, Ghaziabad, UP	Tube well	175	0	Reuse
192	M/s Triyash Enterprises, Khasra no-2751, Village-Bhoorgarhi Dosna, Ghaziabad	Bore well	70	50	Drain
193	M/s U.P. Board & Container Pvt. Ltd., Dasna Ghaziabad	Closed	Closed	Closed	Closed
194	M/s Devtara Industries, Meerut Road Duhai Muradnaaar Gzb.	Bore well	1004	728	Drain
195	M/s A & A, S-50, Loni Road Ind. Area Site II Mohan Nagar Gzb.	Tube well	22	18	Drain
196	M/s A.N.Fabric (Ex. Name B.K. Enterprises), 5/6, site-2, Loni Road, Gzb.	Tube well	10	10	Drain
197	M/s Ajay Washing, S-62, Loni Road Ind. Area, Mohan Nagar Gzb. Presently Wall Putty Manufacturing Unit namely M/s Wall Shine is in operation	Closed	Closed	Closed	Closed
198	M/s Alps Industries Ltd., Unit-3, A-2, Loni Road Mohan Nagar Gzb.	Tube well	10	8	Not available
199	M/s Ambica Steels Ltd., Plot no. 32 site-2 Loni road Industrail Area Mohan Nagar, Ghaziabad, U.P.	Bore well	Not available	Not available	Reuse

Sl. No	Name & Address of Industry	Source of water supply	Total Water Consumption in KLD	Waste Water Generation in KLD	Final mode of disposal of generated Industrial effluent
200	M/s Asha Prints,Ltd., A-5/4, 32 Loni road Mohan Nagar, Ghaziabad, U.P.	Bore well	0.25	0.225	Drain
201	M/s Asha Tanu PrintsLtd., A-5/4 Loni road Mohan Nagar, Ghaziabad, U.P.	Bore well	0.5	0.25	Drain
202	M/s Bansal Wire Industries Ltd, B-3, Loni road, Mohan Nagar, Ghaziabad, U.P.	Bore well	40	7	Drain
203	M/s Bansal Wire Industries unit-III Ltd, B 5-6, Site-2, Loni road Mohan Nagar, Ghaziabad, U.P.	Bore well	36	4	Drain
204	Harig India Ltd., GT Road Mohan Nagar Gzb.	Closed	Closed	Closed	Closed
205	M/S Kishan lal & Co. 13-A/14 site 2, Loni road,Mohan Nagar Ghaziabad	Closed	Closed	Closed	Closed
206	M/s Laxmi Dyeing Pvt LTd	Tube well	40	35	Drain
207	M/S M.G. Electronics Pvt LTd, 6 loni road, Industrial area, Mohan Nagar, Ghaziabad	Bore well	53.5	18	Drain
208	M/S Dyes , S102, Loni road, Indl.Area, Mohan Nagar, Ghaziabad	Closed	Closed	Closed	Closed
209	M/s M.S.D. Dytex Pvt Ltd, 5/2 Loni road, Industrial area, Mohan Nagar Ghaziabad	Closed	Closed	Closed	Closed
210	Mayur prints, 5/8 site -2, loni road Ind Area, Mohan Nagar, Ghaziabad	Bore well	90	83	Drain
211	Mita Haring India Ltd, GT road, Mohan Nagar, Ghaziabad	Bore well	20	Not Available	Drain
212	Micro Gartex Industries, C-2, site II, Loni road, Ghaziabad	Bore well	0.15	0.008	Not Aplicable
213	Animesh Graphic Engineers, S-74, Loni Road, site II, Ghaziabad	Not exists at the given Address	Not exists at the given Address	Not exists at the given Address	Not exists at the given Address
214	Non Stop Colours, Plot No-3, Loni Road Site-2, Gzb.	Bore well	70	60	Drain
215	Om Printers, C-3, Site-2, Loni Road Mohan Nagar Gzb.	Closed	Closed	Closed	Closed
216	M/s Sun Labtek Equipments Pvt. Ltd. Loni Road Industries Area Ghaziabad	Not exists at the given Address	Not exists at the given Address	Not exists at the given Address	Not exists at the given Address
217	S.R.Prints, C-I, Loni road Ind.Area Mohan Near Gzb.	Bore well	5	4.5	Drain
218	Sahi Exports (Sarla Fabrics Ltd.), 30, Loni Road Ind.Area Mohan Nagar Gzb.	Bore well	11	6	Drain
219	M/s Sai Processing 7/37, site no-2 Loni Road Mohan Nagar Gzb.	Bore well	16	15	Drain
220	M/s Santosh wire industries, C-6 Loni Rd Ind area, Mohan Ngr, Ghaziabad not existing at this address instead M/s V.J. metal components pvt Ltd in opeartion	Not exists at the given Address	Not exists at the given Address	Not exists at the given Address	Not exists at the given Address
221	Saroj Creation Pvt. Ltd., C-24, 25 Loni Road Ind Area Gzb.	Bore well	Not available	Not available	Not available
222	Shri Balaji Processors, S-132, Harsha Compound, Mohan Nagar Gzb.	Not applicable	Not applicable	Not applicable	Not Aplicable
223	Sunny Prints, 5/7, Site-II Industrial Area, Loni Road, GZB.	Bore well	0.25	0.2	Not available
224	Yadav Industries, C-11, Loni Road Ind.Area Gzb.	Bore well	25	6	Not available
225	Agarwal Galvanizing, Unit-2, A-8/6, Meerut Road Ind. Area Guldar Ghaziabad	Bore well	16	8	Not available
226	Albert David Ltd., B-13, Meerut Road industrial Area Ghaziabad.	Bore well	400	100	Drain
227	Chemo Pulp Tissues Pvt. Ltd., A-4, Set 22, Meerut Road Ind. Area Gzb.	Bore well	0.7	1.5	Not available
228	Crop Health Product Pvt. Ltd., D- 31/1, Meerut Road Ind. Area Gzb.	Closed	Closed	Closed	Closed
229	Deewan Reclame Rubber Ltd., A-3, Meerut Road Gzb.	Closed	Closed	Closed	Closed
230	E.C.E. Ltd., A-20, Meerut Road Ind. Area Gzb.	Bore well	10	7	Drain
231	Parle Agro P Ltd. A-7, Sector-22 Meerut Road, Ind. Area, Gzb.	Bore well	866	156	Drain
232	Hamdard (Wakf) Laboratories, (1 & 2) B-2 &3 Meerut Road Gzb.	Bore well	225	20	Drain
233	International Tobacco Co. Ltd., Meerut Road, Guldhar, Ind. Gzb.	Bore well	18	26	Reuse
234	Kathuria Brothers, A-l2, Site -3, Industrial Area, Meerut Road Gzb.	Bore well	65	50	Drain
235	Kathuria Brothers,(Cycle Section) A-12 Meerut Road Industrial Area Gzb.	Bore well	15	Not available	Drain
236	Marshal Cycles, B-17/18, Meerut Road Industrial Area Gzb.	Bore well	50	40	Drain
237	Mascot India Tools Ltd., A-2, Meerut Road Ind. Area Gzb.	Closed	Closed	Closed	Closed

Sl. No	Name & Address of Industry	Source of water supply	Total Water Consumption in KLD	Waste Water Generation in KLD	Final mode of disposal of generated Industrial effluent
238	North Land Cycle Co. Ltd., D-21, meerut Road Industrial Area Ghaziabad	Bore well	Not available	Not available	Drain
239	Ramsons Enterprises, D-21 A, Meerut Road Gzb.	Bore well	Not available	Not available	Drain
240	Roxy Investment Pvt.Ltd., C-3, meerut Industrial Area Ghaziabad	Closed	Closed	Closed	Closed
241	Samtal Electron Devices Ltd., 1, 2, 3 Sect-22, Meerut Road Gzb.	Closed	Closed	Closed	Closed
242	Shri Ram Piston & Rings Ltd., MeerutRoad Ind. Area Gzb.	Bore well	150	125	Drain
243	Sukrati Viddut Udyog Pvt.Ltd., D-39, Meerut Road Gzb.	Bore well	2.5	0.15	Drain
244	Techno Enterprises, A-13/12 Meerut Road Gzb.	Bore well	1.5	1	Drain
245	Ultra Electroplaters, 46 Meerut Road Gzb.	Bore well	3	2	Drain
246	Unichem Laboratories, C-31, Meerut Road Gzb.	Bore well	200	40	Drain
247	Uttam Toyata, A-11, Meerut Road Ind Area Gzb.	Bore well	20	20	Reuse
248	Zeeta Ind.Corporation Ltd., B-8, Meerut Road Gzb.	Bore well	Not available	Not Available	Drain
249	N.G. Textile Prints P.Ltd., E-13/2, kavinagar ind.area ghaziabad	Bore well	26.8	20	Drain
250	N.G. Textiles., 13A/10, Site-2, Loni Road I.A., Mohan NGR	Bore well	20.9	20	Drain
251	ASHOKA PULP & PAPER PVT. Ltd., 11, Site-2, Loni Road LA, GZB.	Closed	Closed	Closed	Closed
252	Usha Cycle, E-9, S.S. of G.T. Road Ind. Area, GZB.	Bore well	19.3	6	Drain
253	M/s Sheetal Industries, S-40, South side Ind Area G.T Road Ghazibad,	Bore well	4.5	3.5	Drain
254	M/s Shivam Febrication P Ltd., 22/9, S.S. of G.T. Road Ind. Area, GZB.	Bore well	2	1.5	Drain
255	M/s Silvirite Spokes Pvt. Ltd. S-28, S.S. of G.T. Road Ind. Area, GZB.	Bore well	4	3	Drain
256	M/s Cosmos Engineering components, A- 7/79, South side Ind area G.T Road, Ghaziabad	Bore well	Not available	Not available	Not Aplicable
257	M/s Tarun International (P) Ltd., C-15 South Side Ind. Area G.T. Road , Ghaziabad	Bore well	20	4	Drain
258	M/s Sree Balaji Metals E-17 Kavi Nagar Industrial Area Ghaziabad	Bore well	1	0.5	Drain
259	M/s A.C.E. Hardware Pvt Ltd, B-5, Bulandshahar Road, Industrial Area, Ghaziabad	Tube well	7.5	3.5	Drain
260	M/s S.D Industries E124, B.S Industrial area, Ghaziabad	Bore well	155	139	Not available
261	M/s N. G. Wash (formerly named as Apex Udyog) I-4, Sec-D1, Apparel Park, Tronica City, Ghaziabad	Bore well	2	1.1	Drain
262	M/s Chacha Enterprises, J-4, Sec. D-1(P-3), Apparel Park, Tronica City, Loni.	Bore well	14	11	Drain
263	M/s D.K. Jain, G-262, Sector D-1(P), Aparels Park, Tronica City, Loni, Ghaziabad.	Bore well	3	2.3	Drain
264	M/s Deepak Gambhir, E-12 Apparel Park, Sector D-1(P3), Tronica City, Loni.	Bore well	28	20	Drain
265	M/s Denim Matching, G-141, Apparel Park Tronica City, Ghaziabad	Bore well	20	18.9	Drain
266	M/s Durgeshwari Garments Pvt. Ltd., E-13, Sector -13-1, Appral Park, Tronica City, Loni Ghaziabad	Bore well	200	150	Drain
267	M/s Ekansh Textile K-36, Sec-D (1) Appreal Park Tronica City, Loni, Ghaziabad	Bore well	60	51.5	Drain
268	M/s Excellents Apparels Pvt. Ltd., K-52, Sect. D-1(P3), Apparels Park, Tronica City. Loni Ghaziabad	Closed	Closed	Closed	Closed
269	GhanShyam Textiles, K-19, Sector 13- 1 (P), Apparels Park, Tronica City, Loni Ghaziabad.	Closed	Closed	Closed	Closed
270	M/s Galaxi Garments, K-22, Sector D-1, Tronica City, Apparel Park, Loni Ghaziabad.	Bore well	22	20	Drain
271	M/s Gulshan Rai Jain, G-82, Apparel Park, Sector D-1 (P3), Tronica City, Loni,	Bore well	21	15	CETP
272	J.B.S. Processors, G-I04, Apparel Park, Sector D-1 (P3), Tronica City, Loni, Gzb.	Closed	Closed	Closed	Closed
273	Jai Mata Di Dyers, 1-9, Sect. D-1(P3), Tronica City, Loni.	Bore well	21	20	CETP
274	Jai Shri Dyeing, 1-21, Apparel Park, Sector D-1(P3). Tronica City, Loni.	Bore well	25	22	CETP

Sl. No	Name & Address of Industry	Source of water supply	Total Water Consumption in KLD	Waste Water Generation in KLD	Final mode of disposal of generated Industrial effluent
275	Laxmi Bleach, D-102, Sec D-1(P3),Apparel Park, Tronica City, Loni, Ghaziabad.	Bore well	20	18	CETP
276	Laxmi Processors, K-16, Sect-D-1, Pocket-3, Appral Park, Tronica city	Bore well	23	22	Not available
277	M.S. Trading, E-15, Sector D-1(P), Aparels Park, Troniea City, Loni.	Bore well	18	15	CETP
278	Nandi Enterprises, J-15. See D-1(P3), Apparel Park, Tronica City, tent,	Bore well	18	16	CETP
279	Nandi Enterprises, K-14, Apparel Park, Sector D-1 (P3), Tronica City, Loni,	Bore well	22	18	CETP
280	National Industries, G-264, Apparel Park, Sector D-1(P3). Tronica City, Gzb.	Bore well	10	8	CETP
281	Om Prakash Sharma, J-11, Apparel Park. Sector D-1(P3). Tronica City, Ghaztabad	Bore well	40	35	CETP
282	Pooja Pahawa, K-11, Apparel Park, Sector D-1(P3), Tronica City, Loni.	Bore well	20	16	CETP
283	Adunik Dyeing formally known as Puran Munjal, H-12. Sector D-1(P), Aparels Park, Tronica City, Loni,Ghazlabad	Bore well	385	Not Available	CETP
284	Quadri Processors, I-8, See D- 1(P3),.Apparel Park, Tronica City,	Bore well	446	40	CETP
285	R.R. Impex G-261, Sect. D-1 (P) Aparels Park Tronica City Loni, GZB.	Bore well	4	2	CETP
286	Rachita Processors, K-33 & K-34. Sect. D1, Apparel Park, Tronica City. Loni,Gzb	Bore well	39	20	CETP
287	Ragging Sons I-13,Sect D -1 (P3) , Tronical City Loni Gzb.	Bore well	10	2.5	CETP
288	Rajeev Kumar, G-64, See D-1 (P3). Apparel Park, Tronica City, Loni,	Bore well	19.3	9.6	CETP
289	Robust Infra Tech P Ltd., J-13, Apparel Park, Sector D-1(P3), Tronica City, _Lord. Ghaziabad.	Bore well	18	16	CETP
290	Roop Trading Company, E-14, sect-D- 1, pocket-3, Appral Park, Tronica city, loni, Ghaziabad.	Bore well	8	7	CETP
291	Roop Trading Company, K-9, sect-D-1, pocket-3, Appral Park, Tronica city, Loni haziabad.	Not applicable	Not applicable	Not applicable	Not Aplicable
292	Royal Techno Dyers, K-47, Apparel Park, Sector D-1(P3), Tronica City, Loni. Ghaziabad.	Closed	Closed	Closed	Closed
293	S.D. Garments, 1-2, Sector-D-1, pocket 3, Appral Park, Tronica city, Loni, Ghaziabad.	Bore well	22	18	CETP
294	S.T. Traders, J-5, sector d-1 , Apparel park, Tronica city , Loni, Ghaziabad	Bore well	18	16	CETP
295	S.V.S. Fashion, J-22, Apparel Park, Sector D-1(P3), Tronica City, Loni, Ghaziabad.	Bore well	4	Not Available	Drain
296	Sai Saran Garment, G-108, Apparel Park, Sector D-1(P3), Tronica City, Loni. ghaziabad	Closed	Closed	Closed	Closed
297	Sandeep Tyagi, G-271, Sec D-1(P3), Apparel Park, Tronica City, Loni, Ghaziabad.	Bore well	Not available	Not Available	CETP
298	M/s Krish Garments (Sanjeev Kumar), G-109, Sec D-1(P3), Apparel Park, Tronica City, Loni, Ghaziabad.	Bore well	20	16	Drain
299	Sara International, G-65, Apparel Park, Sector D-1(P3), T ronica City, Loni. Ghaziabad,	Bore well	Not available	Not Available	CETP
300	Shafali Dyeing, G-84, Sector D-1(P), Aparels Park, Tronica City, Loni. Ghaziabad	Bore well	13.5	2.7	Drain
301	Shallu Prints, G-121, Apparel Park, Sector D-1(P3), Tronica City, Loni, Ghaziabad.	Closed	Closed	Closed	Closed
302	Shri Paras coloration (U.B. Dyeing), G- 117, Sector d-1(P), Aparels Park, Tronica City, Loni, Ghaziabad.	Bore well	32	18	CETP
303	Siddhi Vinyak Tex, H-11, Apparel Park, Sector D-1(P3), Tronica City, Loni, Ghaziabad.	Bore well	0.75	0.75	CETP

Sl. No	Name & Address of Industry	Source of water supply	Total Water Consumption in KLD	Waste Water Generation in KLD	Final mode of disposal of generated Industrial effluent
304	Siddhi Vinyak, G-103, Apparel Park, Sector D-1(P3), Tronica City, Loni, Ghaziabad.	Bore well	4	3.5	CETP
305	Sudhir KumarJain, G-80, Apparel Park, Sector D-1(P3), Tronica City, Loni.	Bore well	20.5	16.5	CETP
306	Sumer Mal (R.K. Export & Import), H- 13, Apparel Park, Sector D-1(P3), Tronica City. Loni.	Closed	Closed	Closed	Closed
307	M/s Sun Dyers, I-19, Apparel Park, Sector D-1(P3), Tronica City, Loni.	Closed	Closed	Closed	Closed
308	M/s Supreme Industries, J-2, Appral Park, tronca city, Loni.	Bore well	3	1.7	Drain
309	M/s Tiwari Feb, G-255, Apparel Park, Sector D-1(P3), Tronica City, Loni.	Bore well	29	23	Drain
310	Vaishali Hosiery, 1-17, Sector D-1, Apparel Park, Tronica City, Loni, Gzb.	Bore well	18	17	CETP
311	Vedanta Estate, I-11, Apparel Park, Sector D-1(P3), Tronica City, Loni. Gzb.	Bore well	12.5	11	CETP
312	Vedanta Estate, I-12, Apparel Park, Sector D-1(P3), Tronica City, Loni. Gzb.	Bore well	Not available	Not Available	CETP
313	M/s Vedanta Estate, J-12, Apparel Park, Sector D-1(P3), Tronica City, Loni.	Bore well	20	19	CETP
314	M/s U-Like Industry, G-110, Apparel Park, Sector D-1(P3), Tronica City, Loni.	Bore well	1.5	1.5	CETP
315	M/s Spectrum Dye Studio Formerly known as M/s Tusar Garments, J-3, Apparel Park, Sector D-1(P3), Tronica City, Loni Ghaziabad	Bore well	20	20	CETP
316	M/s Pradeep Kumar, G-92, Apparel Park, Sector D-1(P3), Tronica City, Loni.	Closed	Closed	Closed	Closed
317	M/s Silvertone Paper Ltd. (unit II) Bhopa Road, Muzaffarnagar	Bore well	810	Not Available	Drain

Annexure-XII

Location-wise Ground Water Not complying to IS10500-2012 w.r.to Drinking Water Specifications (acceptable limits)-Corrected

S.No.	Name of the location	District	Date of sample collection	Weather GW samples taken Industry Premises	Source of GW	GPS Coordinates	Depth of Ground water below ground level	Sulfate (mg/l)	Fluoride (mg/l)	Cd (mg/l)	Cu (mg/l)	Pb (mg/l)	Fe (mg/l)	Ni (mg/l)	Zn (mg/l)	Mn (mg/l)	Hg (µg/l)	O & G (mg/l)	Total Cr (mg/l)	Compliance
	Drinking Water Specifications as per IS:10500-2012 (Acceptable Limits) in mg/l							**200**	**1**	**0.003**	**0.05**	**0.01**	**0.3**	**0.02**	**5**	**0.1**	**0.001**	**-**	**0.05**	
1	M.K. Leather Trading Company, D-33, Site B, Surajpur, Greater Noida	Greater Noida	04.04.2018	Yes	Bore Well	28.5076939 N, 77.494639 E	8 m	134	0.7	<0.002	<0.003	<0.013	-	<0.003	0.03	1.03	<1	-	<0.002	Non Complying
2	Shree Jagdamba Knits (P) Ltd, P.No.-95,105, Site-B, Surajpur, Greater Noida	Greater Noida	05.04.2018	Yes	Bore Well	28°30´46" N, 77.28'45" E	12 m	123	0.6	<0.002	<0.003	<0.013	-	<0.003	0.3	0.1	1.16	-	<0.002	Non Complying
3	Sky Lark Dyeing (P) Ltd.,Plot No.- B-2/14, Site-B, Surajpur Greater Noida	Greater Noida	04.04.2018	Yes	Bore Well	28.513474 N, 77.504007 E	30 m	45	0.6	<0.002	<0.003	<0.013	-	<0.003	0.03	0.14	<1	-	<0.002	Non Complying
4	Yamaha Motor India (P) Ltd., Noida-Dadri Road, Greater Noida	Greater Noida	13.03.2018	Yes	Bore Well	-	13 m	47	1.1	<0.002	0.02	<0.013	0.01	<0.003	0.01	<0.002	<1	-	<0.002	Non Complying
5	M/s Autotech Steel Engineering (P) Ltd, Plot.No. 28/3, Ecotech-I, Extn-I,Greater Noida	Greater Noida	13.03.2018	Yes	Bore Well	28.4378824 N, 77.5604753 E	8.5 m	20	1.2	<0.002	0.05	<0.013	0.43	<0.003	0.05	0.04	<1	-	<0.002	Non Complying
6	IGL CNG filling station Block I, Beta II, Greater noida, U.P.	Greater Noida	13.03.2018	No	Bore Well	-	-	15	0.6	<0.002	0.06	<0.013	0.05	<0.003	0.19	0.01	<1	-	-	Non Complying
7	Devla village, Dadri road, Greater Noida	Greater Noida	08.03.2018	No	Hand Pump	-	-	40	0.5	<0.002	<0.003	0.26	-	<0.003	0.07	-	<1	-	-	Non Complying
8	M/s Garg Tube Co. Ltd. Vill- Chhaproulla, G.T.Road, Gr.Noida	Greater Noida	07.03.2018	Yes	Bore Well	28.6088728 N, 77.4957853 E	10.26 m	35	0.4	<0.002	<0.003	<0.013	-	<0.003	<0.002	-	1.52	2	-	Non Complying
9	Hand Pump of Vishnuli Village, Near Hero Motors	Greater Noida	07.03.2018	No	Hand Pump	28.6042 N, 77.4981 E	7.7 m	42	0.5	<0.002	<0.003	<0.013	-	<0.003	1.75	-	1.52	-	-	Non Complying
10	Meeta India Ltd., Plot No 21/2, Site II, Loni Road, Mohan Nagar Gzb.	Ghaziabad	11.04.2018	Yes	Bore Well	28.6796 N, 77.381963 E	30 m	85	1.7	<0.002	<0.003	<0.013	-	<0.003	0.01	-	<1	-	-	Non Complying
11	M/s J.M.V.L.P.S. Ltd., (Ex Name J.M.V. Earthing Equipment pvt. Ltd) Plot No- J-12, Site-C, UPSIDC, GR. NOIDA	Greater Noida	12.03.2018	Yes	Bore Well	28°31'14"N, 77°30'57"E	12 m	111	0.8	<0.002	0.22	<0.013	-	<0.003	0.15	-	<1	-	-	Non Complying
12	M/s JBM Autotech, PLOT NO-J- 5, SITE -C , Gr.Noida	Greater Noida	12.03.2018	Yes	Bore Well	28.53 N, 77.51 E	12 m	229	0.6	<0.002	0.01	<0.013	-	0.01	<0.002	-	<1	-	-	Non Complying
13	M/s Bir Horizons Pvt. Ltd. ,PLOT NO.F-79, SITE-B, Surajpur, Gr.Noida	Greater Noida	08.03.2018	Yes	Bore Well	28°30'40.6"N, 77°29'47.6"E	-	60	0.7	<0.002	<0.003	<0.013	<0.002	<0.003	<0.002	0.16	<1	-	-	Non Complying
14	Nangla Dairy	Greater Noida	08.03.2018	Yes	Hand Pump	-	50 m	18	0.6	<0.002	<0.003	<0.013	1.29	<0.003	0.14	0.06	<1	-	<0.002	Non Complying
15	Village Mandhiyai, Meerut Main Road	Meerut	05.03.2018	No	Hand Pump	29.127228 N, 77.608529 E	83 m	-	1.1	<0.002	<0.003	<0.013	-	<0.003	0.11	-	<1	-	-	Non Complying
16	Hand Pump Near M/s Ramala Sahkari Chini Mills Ltd, Ramala, Bagpat	Baghpat	07.03.2018	No	Hand Pump	29.235139 N, 77.284237 E	16 m	-	1.1	<0.002	<0.003	<0.013	-	<0.003	1.16	-	<1	-	-	Non Complying
17	Inside Parmedical College Premises, Village Bagra	Muzaffarnagar	07.03.2018	No	Hand Pump	29°28'61.91"N 77°55'58"E	44 m	-	0.3	0.74	<0.003	0.28	-	<0.003	2.95	-	<1	-	-	Non Complying
18	Near M/s Bajaj Hindustan Ltd. Bhaisana, Muzaffarnagar	Muzaffarnagar	07.03.2018	No	Hand Pump	29.294250, 77.493759	50 m	-		0.12	<0.003	<0.013	-	<0.003	1.96	-	1.52	-	-	Non Complying
19	Main road, Mansurpur village	Muzaffarnagar	06.03.2018	No	Hand Pump	29°21'18.8" N, 77°42'50.1" E	50 m	52	0.3	<0.002	<0.003	<0.013	-	<0.003	0.15	-	1.3	2	-	Non Complying

S.No.	Name of the location	District	Date of sample collection	Weather GW samples taken Industry Premises	Source of GW	GPS Coordinates	Depth of Ground water below ground level	Sulfate (mg/l)	Fluoride (mg/l)	Cd (mg/l)	Cu (mg/l)	Pb (mg/l)	Fe (mg/l)	Ni (mg/l)	Zn (mg/l)	Mn (mg/l)	Hg (µg/l)	O & G (mg/l)	Total Cr (mg/l)	Compliance
	Drinking Water Specifications as per IS:10500-2012 (Acceptable Limits) in mg/l							**200**	**1**	**0.003**	**0.05**	**0.01**	**0.3**	**0.02**	**5**	**0.1**	**0.001**	**-**	**0.05**	
20	Tehsil Katauli	Muzaffarnagar	03-06-2018	No	Hand Pump	29°16'44.4"N, 77°44'19.4"E	50 m	14	0.3	<0.002	<0.003	<0.013	-	<0.003	0.09	-	1.3	2	-	Non Complying
21	Mansurpur NH 58 on road	Muzaffarnagar	06.03.2018	No	Hand Pump	-	50 m	76	0.3	<0.002	<0.003	<0.013	-	<0.003	9.12	-	1.26	2	-	Non Complying
22	Tube Well near of M/s Silvertone Paper Ltd (Init 1) Bhopa Road, Muzaffarnagar	Muzaffarnagar	16.04.2018	No	Tube Well	29°28' 00.15'' N, 77 °47'05.60'' E	18.29 m	208	0.3	<0.002	<0.003	<0.013	-	<0.003	<0.002	-	<1	-	-	Non Complying
23	Industry premises of M/S Tehri Pulp & Papers Ltd. (Unit-I), 9th Km Stone, Bhopa Road, Muzaffarnagar	Muzaffarnagar	12.04.2018	Yes	Bore Well	29.471 N, 77.796 E	40 m	4	0.5	<0.002	<0.003	<0.013	-	<0.003	0.05	-	1.26	-	-	Non Complying
24	M/S Suyash Craft & Papers Ltd.Village-Velhana, Meerut Roadf, Muzaffarnagar	Muzaffarnagar	13-04-2018	Yes	Bore Well	29.426 N, 77.692 E	40 m	11	0.3	<0.002	<0.003	<0.013	-	<0.003	0.14	-	1.01	-	-	Non Complying
25	Industry premises of M/S Shri Bhageshwari Paper Mills (P)	Muzaffarnagar	12.04.2018	Yes	Bore Well	29.472 N, 77.491 E	45 m	6	0.3	<0.002	<0.003	<0.013	-	<0.003	0.01	-	1.52	-	-	Non Complying
26	Near M/s. Arihant Pulp & Papers Ltd., opposite cement godwon, musa bilaspur	Muzaffarnagar	08.03.2018	No	Hand Pump	29.437478 N, 77.745673 E	13 m	41	0.3	<0.002	<0.003	<0.013	10.42	<0.003	1.9	0.09	<1	-	<0.002	Non Complying
27	Near M/s Siddeshwari industries Pvt. Ltd., 8.6 Km Jansath Road, Muzaffarnagar	Muzaffarnagar	08.03.2018	No	Hand Pump	29°25'8"N, 77°45'36"E	61 m	30	0.1	<0.002	<0.003	<0.013	0.17	<0.003	<0.002	0.87	-	-	<0.002	Non Complying
28	M/s K.K. Duplex & Paper mill Pvt. Ltd., 8.5 Km Stone, Jansath Road, Muzaffarnagar	Muzaffarnagar	08.03.2018	Yes	Bore Well	29°42'37.38"N, 77°75'87.43"E	46 m	43	0.1	<0.002	<0.003	<0.013	0.09	<0.003	<0.002	0.23	-	-	<0.002	Non Complying
29	M/s Silver Tone Pulp & Paper, 9th Km Stone, Bhopa Road, Muzaffarnagar.	Muzaffarnagar	08.03.2018	Yes	Bore Well	29°27'59.8"N, 77°47'17"E	70 m	25	0.5	<0.002	<0.003	<0.013	0.01	<0.003	<0.002	0.27	-	-	<0.002	Non Complying
30	Near M/s. Ravi Organics Ltd., Begrajpur, Muzaffarnagar	Muzaffarnagar	13.04.2018	No	Hand Pump	-	-	20	0.2	<0.002	<0.003	<0.013	-	<0.003	0.89	-	1.26	2	-	Non Complying
31	M/s. H.J. Tannery ,9th Km, Jansath Road, Muzaffarnagar	Muzaffarnagar	13.04.2018	Yes	Tube Well	-	-	41	0.2	<0.002	<0.003	<0.013	-	<0.003	<0.002	-	1.01	-	-	Non Complying
32	Meerut Karnal road, Near Bypass Shamli	Shamli	06.04.2018	No	Hand Pump	29.442825 N, 77.314561 E	60 m	32	0.8	<0.002	<0.003	<0.013	-	<0.003	0.66	-	1.33	-	-	Non Complying
33	50m away from M/s Bajaj Hindustan Ltd., Thanabhawan, Muzaffarnagar	Shamli	07.04.2018	No	Hand Pump	29.5693 N, 77.408405 E	-	2	0.4	<0.002	<0.003	<0.013	-	<0.003	0.24	-	1.16	-	-	Non Complying
34	Near M/s. Shamli Distillery & Chem.Work, Shamli	Shamli	06.04.2018	No	Hand Pump	29.442825 N, 77.314561 E	60 m	32	0.8	<0.002	<0.003	<0.013	-	<0.003	0.66	-	1.33	-	-	Non Complying
35	Outside M/s Co-operative Co. Ltd., Tapri, Saharanpur	Saharanpur	09.04.2018	No	Hand Pump	29554'57.3"N, 77°35'40.0"E	35 m	122	0.2	<0.002	<0.003	<0.013	-	<0.003	6.63	-	<1	-	-	Non Complying
36	Asheram Nirwad S/o Badlu Singh, H.No.-512 Village- Karheda, Near Mohan Nagar Loni Road Ghaziabad	Ghaziabad	03.04.2018	No	Borewell	28.686965, 77.385494	49m	31	2	<0.002	<0.003	<0.013	0.02	<0.003	0.01	-	1.66	-	<0.002	Non Complying
37	Outside Star Paper Mill Saharanpur	Saharanpur	06.03.2018	No	Hand Pump	-	-	62	0.2	<0.002	<0.003	<0.013	1.43	<0.003	1.3	-	<1	2	-	Non Complying
38	Near Plaza Paper P.Ltd. Village Maheswari Khurd	Saharanpur	06.03.2018	No	Hand Pump	-	-	65	0.2	<0.002	<0.003	<0.013	1.5	<0.003	<0.002	-	<1	2	-	Non Complying
39	Near Rainbow Board Mill, (Unit Kraft Paper), Near naugara Peer, Saharanpur	Saharanpur	06.03.2018	No	Hand Pump	-	-	30	0.2	<0.002	<0.003	<0.013	0.62	<0.003	0.12	-	<1	2	-	Non Complying
40	Near Swaroop Paper (P) Ltd., Near Janta Road, Saharanpur	Saharanpur	06.03.2018	No	Hand Pump	-	-	27	0.3	<0.002	<0.003	<0.013	0.22	<0.003	0.04	-	2	2	-	Non Complying

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	Drinking Water Specifications as per IS:10500-2012 (Acceptable Limits) in mg/l							**200**	**1**	**0.003**	**0.05**	**0.01**	**0.3**	**0.02**	**5**	**0.1**	**0.001**	**-**	**0.05**	
41	Hand pump near Nagar Nigam Pashuvadhshala, kamela colony, Saharanpur	Saharanpur	06.03.2018	No	Hand Pump	-	40 m	33	0.7	<0.002	<0.003	<0.013	2.16	<0.003	0.04	-	<1	2	-	Non Complying
42	Near M/s Atul Textile Industried Ltd., Shakumabari Vihar, Behat Road, Saharanpur	Saharanpur	07.03.2018	No	Hand Pump	29.985548 N, 77.568758 E	55 m	11	0.3	<0.002	<0.003	<0.013	-	<0.003	1.76	-	1.01	2	-	Non Complying
43	Near M/s Shalimar Cotton Dyeing, Saharanpur Behat Road, Rasulpur, Saharanpur	Saharanpur	07.03.2018	No	Hand Pump	29.996889 N, 77.566726 E	55 m	220	0.3	<0.002	<0.003	<0.013	-	<0.003	<0.002	-	1.51	2	-	Non Complying
44	Near M/s S.M.C. Foods Ltd. Nnauta, Saharanpur	Saharanpur	07.03.2018	No	Hand Pump	28°54'11.5"N, 77°50'54.5"E	15.2 m	33	0.3	<0.002	<0.003	<0.013	-	<0.003	0.57	-	1.51	2	-	Non Complying
45	M/s Pashupati Dairy (P) Ltd. Village Kumharhera, Dehradun Road, Saharanpur	Saharanpur	17.04.2018	Yes	Bore Well	-	60 m	27	0.3	<0.002	<0.003	<0.013	<0.002	<0.003	<0.002	0.29	-	-	<0.002	Non Complying
46	Near M/s Jayna Gramodyaog Sansthan, Gagalheri	Saharanpur	04.04.2018	No	Hand Pump	29.983602 N, 77.665811 E	35 m	19	0.1	<0.002	<0.003	<0.013	-	<0.003	6.07	-	<1	2	-	Non Complying
47	Gagalheri, Dehradun, Saharanpur	Saharanpur	05.03.2018	No	Hand Pump	29.979749 N, 77.668548 E	44 m	5	0.6	<0.002	0.15	0.09	-	<0.003	1.05	-	<1	-	-	Non Complying
48	M/s Balaji Wire Pvt. Ltd., 139·A, Anand Industrial Estate Mohan Nagar, Gzb.	Ghaziabad	07.03.2018	Yes	Hand Pump	28.674894 N, 77.388494 E	45 m	89	0.5	<0.002	<0.003	<0.013	0.12	<0.003	0.39	-	1.72	-	<0.002	Non Complying
49	Mohan Meakins Ltd., Mohan Nagar, Ghaziabad	Ghaziabad	08.03.2018	Yes	Bore Well	28°40'17.5"N 77°23'01.0"E	25 m	96	0.8	<0.002	0.01	0.04	<0.002	<0.003	<0.002	-	1.01	-	<0.002	Non Complying
50	Near M/s AB Cycle Parts Pvt. Ltd. at Ispat Nagar, Buland Sahar Road Industrial Area, Ghaziabad.	Ghaziabad	08.03.2018	No	Hand Pump	28°38'23.6"N 77°26'37.6"E	40 m	71	0.5	<0.002	<0.003	0.08	6.28	<0.003	1.24	-	<1	2	0.02	Non Complying
51	Near Balaji Enterprises, B-22/1/15, B.S.Road Ind. Area Gzb.	Ghaziabad	13.03.2018	No	Hand Pump	28.6484380 N, 77.4594966 E	-	135	0.4	<0.002	0<.003	<0.013	0.72	<0.003	0.27	-	-	2	<0.002	Non Complying
52	Near Indian Textiles Co., E-49, B.S. Road, Gzb.	Ghaziabad	09.03.2018	No	Hand Pump	28.6484381 N, 77.4594767 E	-	330	0.8	<0.002	0.01	<0.013	1.47	<0.003	0.11	-	<1	-	-	Non Complying
53	Near M/s Lion Cycle & Rikshaw Industries, E·I0, B.S. Road Ind. Area Gzb.	Ghaziabad	12.03.2018	No	Hand Pump	28.6424919 N, 77.4609803 E	-	109	0.7	<0.002	<0.003	<0.013	<0.002	<0.003	<0.002	-	1.01	-	-	Non Complying
54	Near Progressive Tools & Component Pvt.Ltd. C-222, B.S. Road Ind. Area , Gzb	Ghaziabad	03.04.2018	No	Handpump	28.642382 77.460819	46 m	203	0.6	<0.002	<0.003	<0.013	0.72	<0.003	0.27	-	<1	-	-	Non Complying
55	From tube well situated in premises of Masjid , besides the road towards the unit M/s Shivam Engineering and Fabrication	Ghaziabad	11.04.2018	No	Hand pump	28.639554 N, 77.446274 E	-	35	0.5	<0.002	<0.003	<0.013	-	<0.003	0.02	-	1.83	2	<0.002	Non Complying
56	Near M/s Tarun International C-15, SS of GT road, Ghaziabad	Ghaziabad	05.04.2018	No	Bore well	28.6377376 N, 77.44111755 E	-	44	0.4	<0.002	<0.003	<0.013	0.13	<0.003	<0.002	0.21	1.16	2	<0.002	Non Complying
57	M/s Al Nafees Frozen Foods Export, Hapur Rd. Dasna Ghaziabad	Ghaziabad	06.04.2018	Yes	Hand Pump	28.685079 N, 77.540928 E	13 m	56	1	<0.002	<0.003	<0.013	-	<0.003	0.65	-	1.66	2	-	Non Complying
58	M/s International agro Foods (Integrated slaughter House) Plot no. 2764 - 2766, Bhurgardi, Dasna, Distt. Ghaziabad Uttar Pradesh	Ghaziabad	08.03.2018	Yes	Borewell	-	29 m	30	1.3	<0.002	<0.003	<0.013	0.1	<0.003	0.24	-	-	-	<0.002	Non Complying

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	Drinking Water Specifications as per IS:10500-2012 (Acceptable Limits) in mg/l							**200**	**1**	**0.003**	**0.05**	**0.01**	**0.3**	**0.02**	**5**	**0.1**	**0.001**	**-**	**0.05**	
59	Dasna Village	Ghaziabad	08.03.2018	No	Borewell	-	-	40	0.6	<0.002	<0.003	0.02	1.77	<0.003	0.04	--	-	-	<0.002	Non Complying
60	Bhurgadi Village (Private)	Ghaziabad	08.03.2018	No	Borewell	-	-	136	2.5	<0.002	<0.003	<0.013	1.56	<0.003	1.56	--	-	-	0.05	Non Complying
61	Bhurgadi Village(Government)	Ghaziabad	08.03.2018	No	Borewell	-	-	41	0.7	<0.002	<0.003	<0.013	1.84	<0.003	0.21	-	-	-	0.26	Non Complying
62	Rajeev Colony, adject to M/s Ambica Steels Ltd., Mohan Nagar Ghaziabad	Ghaziabad	08.03.2018	No	Hand Pump	28.682150 N, 77.381735 E	33 m	26	2.4	<0.002	<0.003	<0.013	<0.002	<0.003	1.09	-	<1	-	<0.002	Non Complying
63	M/s Bansal Wire Industries Ltd, B-3, Loni road, Mohan Nagar, Ghaziabad, U.P.	Ghaziabad	07-03-2018	No	Hand Pump	Ghaziabad	-	95	0.5	<0.002	0.05	<0.013	1.33	0.02	8.58	-	<1	-	<0.002	Non Complying
64	The Kisan Sahakari Chini Mill, Nanouta, sahranpur UP	Saharanpur	11-04-2018	Yes	Hand Pump	29.4237N, 77.2644E	50 m	19	0.4	<0.002	<0.003	0.07	11.26	<0.003	4.15	0.16	-	-	<0.002	Non Complying
65	Daya Sugar Gagalheri, Saharanpur, U.P	Saharanpur	10-04-2018	Yes	Hand Pump	29.5749N, 77.3934E	30 m	2	0.2	<0.002	<0.003	<0.013	9.9	<0.003	1.79	0.05	-	-	<0.002	Non Complying
66	Triveni Engg. & Industires Ltd., Deoband, saharanpur, U.P	Saharanpur	10-04-2018	Yes	Hand Pump	29.4020N, 77.4099E	30 m	176	0.5	<0.002	<0.003	<0.013	8.83	<0.003	1.34	0.21	-	-	<0.002	Non Complying
67	Bajaj Hindustan Sugar Ltd., Gangoli Saharanpur, U.P	Saharanpur	10-04-2018	Yes	Hand Pump	29.4835N, 77.3258E	30 m	16	0.1	<0.002	<0.003	<0.013	2.77	<0.003	1.1	0.17	-	-	<0.002	Non Complying
68	Vaishali Hosiery, 1-17, Sector D-1, Apparel Park, Tronica City, Loni, Gzb.	Ghaziabad	19.04.2018	Yes	Borewell	-	30 m	49	0.4	<0.002	1.25	<0.013	<0.002	0.02	0.3	-	<1	-	-	Non Complying
69	Sunny Prints, 5/7, Site-II Industrial Area, Loni Road, GZB.	Ghaziabad	09-03-2018	Yes	Bore Well	28,41,10 N 77,22,53E	35 m	122	0.8	<0.002	<0.003	<0.013	-	<0.003	<0.002	-	1.01	10	-	Non Complying
70	Albert David Ltd., B-13, Meerut Road industrial Area Ghaziabad.	Ghaziabad	08-03-2018	Yes	Bore Well	28,41,05N 77,26,10E	30 m	33	0.5	<0.002	<0.003	<0.013	-	<0.003	<0.002	-	1.52	-	-	Non Complying
71	Parle Agro P Ltd. A-7, Sector-22 Meerut Road, Ind. Area, Gzb.	Ghaziabad	09-03-2018	Yes	Bore Well	-	50 m	34	0.5	<0.002	-	<0.013	-	-	0.02	-	1.01	-	<0.002	Non Complying
72	E.C.E. Ltd., A-20, Meerut Road Ind. Area Gzb.	Ghaziabad	13.03.2018	Yes	Bore Well	-	50 m	49	0.6	<0.002	-	<0.013	0.05	<0.003	0.07	-	<1	2	0.07	Non Complying
73	Near boundry well of M/s ML Batra enterprisis	Ghaziabad	05-03-2018	No	Hand Pump	28.686521, 77.438617	-	23	0.6	0.04	-	0.1	-	<0.003	0.41	-	1.3	-	<0.002	Non Complying
74	Marshal Cycles, B-17/18, Meerut Road Industrial Area Gzb.	Ghaziabad	05-03-2018	Yes	Bore Well	28.689877, 77.441113	60 m	24	0.8	<0.002	-	0.07	-	<0.003	<0.002	-	2.16	-	<0.002	Non Complying
75	North Land Cycle Co. Ltd., D-21, meerut Road Industrial Area Ghaziabad	Ghaziabad	07-03-2018	Yes	Bore Well	28.685197, 77.438298	50 m	17	0.4	<0.002	-	<0.013	-	<0.003	0.01	-	1.48	-	0.02	Non Complying
76	Industrial area hand pump meerut road ghaziabad	Ghaziabad	9.3.2018	no	Handpump	-	-	27	0.5	<0.002	<0.003	<0.013	0.69	<0.003	0.04	-	<1	2	0.2	Non Complying
77	Sukrati Viddut Udyog Pvt.Ltd., D-39, Meerut Road Gzb.	Ghaziabad	5.3.2018	Yes	Borewell	-	-	36	0.4	0.03	0.15	0.09	0.04	<0.003	0.05	-	<1	2	<0.002	Non Complying
78	DPS gate Railway crossing	Ghaziabad	8.3.2018	No	Handpump	22.684 N, 77.434 E	66 m	15	0.3	<0.002	<0.003	<0.013	21.81	<0.003	2.21	0.1	<1	2	0.02	Non Complying
79	Karhoda village	Ghaziabad	7.3.2018	No	Handpump	28.686512 N, 77.387415 E	66 m	15	1.8	<0.002	<0.003	<0.013	0.48	<0.003	0.22	<0.002	1.12	2	<0.002	Non Complying
80	Doondaheda village, SS of GT road, Gzb	Ghaziabad	06.03.2018	No	Hand Pump	28.63 N, 77.44 E	40 m	64	0.6	<0.002	<0.003	<0.013	2.14	0<.003	1.04	-	<1	-	<0.002	Non Complying
81	Sain Vihar, near Sarthak public school, NH-24, Ghaziabad	Ghaziabad	05.03.2018	No	Hand Pump	-	40 m	26	0.8	<0.002	<0.003	<0.013	0.73	<0.003	0.06	-	<1	-	-	Non Complying

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	Drinking Water Specifications as per IS:10500-2012 (Acceptable Limits) in mg/l							**200**	**1**	**0.003**	**0.05**	**0.01**	**0.3**	**0.02**	**5**	**0.1**	**0.001**	**-**	**0.05**	
82	Slum Area Kavi Nagar B.S. Road Ghaziabad	Ghaziabad	07.03.2018	No	Hand Pump	28.65741 N, 77.46966 E	-	25	0.5	<0.002	<0.003	<0.013	2.19	<0.003	0.06	-	<1	-	0.26	Non Complying
83	Shastri Nagar Ghaziabad	Ghaziabad	07.03.2018	No	Hand Pump	28.664233 N, 77.458378 E	-	21	0.4	<0.002	<0.003	<0.013	2.57	<0.003	1.06	-	<1	-	0.03	Non Complying
84	Durgawati Loni, Ghaziabad	Ghaziabad	04.04.2018	No	Hand Pump	-	-	51	0.5	<0.002	<0.003	<0.013	0.51	<0.003	0.22	0.11	<1	-	<0.002	Non Complying
85	Handpump near Edgah, Ansal, Loni, Ghaziabad	Ghaziabad	04.04.2018	No	Hand Pump	-	-	88	0.6	<0.002	<0.003	<0.013	1.13	<0.003	<0.002	0.08	<1	-	<0.002	Non Complying
86	Handpump Near Agrola Village	Ghaziabad	08.03.2018	No	Hand Pump	28.78906 N , 77.286497 E	-	103	0.3	<0.002	<0.003	1.74	4.66	<0.003	0.19	-	1.76	2	<0.002	Non Complying
87	Agrola Village, Near Balaji Temple	Ghaziabad	09.03.2018	No	Hand Pump	28.720358 N, 77.287163 E	-	139	0.5	<0.002	<0.003	<0.013	3.94	<0.003	0.03	-	1.26	2	<0.002	Non Complying
88	Hand Pump, Near to Hanuman mandir, Village-Agraula , Tronica City, Loni	Ghaziabad	06-03-2018	No	Hand Pump	28.7894 N, 77.2868 E	24 m	109	0.4	<0.002	<0.003	<0.013	10.69	<0.003	0.37	-	1.66	-	-	Non Complying
89	Hand pump near to mohd. Yameen, Om Sai City, Vill Agraula, Tronica city, Loni	Ghaziabad	06-03-2018	No	Hand Pump	28.789 N 77.284 E	36 m	47	0.5	<0.002	<0.003	<0.013	0.43	<0.003	0.12	-	1.12	2	-	Non Complying
90	Hand pump, village pakhi sadakpur, 1 km, Tronica city	Ghaziabad	07-03-2018	No	Hand Pump	-	43 m	21	0.6	<0.002	<0.003	<0.013	0.42	<0.003	0.24	-	-	2	<0.002	Non Complying
91	Village Agraula Tronika City Loni Ghaziabad	Ghaziabad	06-03-2018	No	Handpump	29° 47' 17.6"N 77° 17' 41.2"E	67 m	41	0.5	<0.002	<0.003	<0.013	0.01	<0.003	<0.002	-	1.52	-	-	Non Complying
92	Road Side Hand Pump Near Tronica City	Ghaziabad	07.03.2018	No	Borwell	28.763003 N 77.283391 E	26 m	65	0.2	0.03	<0.003	0.03	-	<0.003	0.12	-	1.52	2	-	Non Complying
93	Village Bhoorgarhi, Dasna, Gzb	Ghaziabad	26.04.2018	No	Hand Pump	28.676 N, 77.37726 E	40 m	136	1.8	<0.002	0.03	<0.013	0.14	<0.003	<0.002	0.19	<1	2	0.03	Non Complying

Annexure-XIII

Industry wise observations and recommendations made by the Joint Inspection Teams

Sl. No.	Name & Address of Industry	Date of inspection	Name of he industrial Sector	Main observation of the visited team	Recommendations
1	Adarsh Thermopack Industries (P) Ltd, E-106, Site B, Surajpur, Greater Noida	09.03.2018	Tannery	Units may be asked to install flow meter at raw water intake pump	Unit may be asked to install flow meter at raw water intake pump.
2	Aricab Fab (P) Ltd, C-4, Site-4, Surajpur, Greater Noida	09.03.2018	Textile & Dyeing	Closed	closed
3	Chaudhary Skin Trading Company, D-34, Site-B, Surajpur, Greater Noida	09.03.2018	Sloughter House	Analysis results entered	1. Unit may be asked to install Flow meter at Raw water intake pumps as well as at the outlet of ETP. 2. Unit shall be asked to comply with the effluent quality standards (O&G).
4	Colour & Style (P) Ltd, A-1/2, 8/9, Site-B, Surajpur, Greater Noida	09.03.2018	Textile & Dyeing	Unit may be asked to install flow meter at raw water intake pumps as well as at the outlet of ETP.	1. Unit may be asked to install Flow meter at Raw water intake pumps as well as at the outlet of ETP. 2. Unit shall be asked to comply with the effluent quality standards (O&G).
5	Continental Milkose (India) Ltd, Habibpur, Kulesra, Greater Noida	09.03.2018	Dairy	The waste water sample analysis report of STP outlet and ETP Outlet given by Newton consultants and laboratories are meeting the prescribed standard of BOD and COD. The stack emission monitoring and analysis report for particulate matter, and gases like CO were within the specified limit as per the CPCB criteria, while for SO2 and NO2 the limit were not prescribed.	Unit may be asked to inform whenever it resumes the operation, for inspection.
6	Honda Cars India Ltd, Plot no A-1, Sector40/41, Surajpur, Kasna Road, Greater Noida, U.P.	09.03.2018	Automobile	Analysis results entered	As industry is capable of obtaining zero discharge, accordingly directions may be issued to industry to achieve zero discharge in time bound manner
7	Hotz Industies Udyog Vihar, Greater Noida	04.04.2018	Textile & Dyeing	-	-
8	M/S LG Electronics, Plot no 51, Udyog Vihar , Surajpur, Kasna Road, Greater Noida, UP	04.04.2018	Electrical & Electronics	1) Unit Operational at the time of inspection and consent is valid upto 31.12.2019. HW authorization dated 1.8.2014 and valid upto 5 years 2) Manufacturing process include mainly pretreatment, washing and assembly of products such as Refrigerator, washing machine and Microwave, A.C. compressor and Compressor motor 3) Effluent generated from the process is collected and treated (physio- chemical treatment) through ETP-1 and ETP-2. 4) Treated effluent is collected in a common collection tank and used for gardening purpose, log book for ETP operations are available 5) one treated effluent sample from the ETP outlet and one GW sample (borewell) were collected and handed over to Lab for analysis and results are awaited.. 6) OCEMS not installed/connected 7) 4 bore wells in use and CWGA permission is yet to be obtained	No action proposed as the industry genrally meets the norms

9	M.K.leather Trading Company, 0-33, Site B, Surajpur, Greater Noida	04.04.2018	Tannery	1. Industry operational and consent is valid upto 31.12.2019 Hazardous waste (HW) authorization-yet to be obtained 2.Unit process sheep/goat hides to wet blue finishing,3. installed 5 drums to process the same. 3. One treated effluent sample from ETP outlet and one GW sample were collected.4. ETP operation not satisfactory as no settlement of suspended solids observed indicating absence of MLSS. 5.Installed online effluent monitoring system for pH, TSS, COD, BOD and flow, and flow meter reading was found erroneous, OCEMS needs calibration and maintainance.6.No log book for ETP operations and OCEMS 7.No proper collection and storage facilities 8. Solid wastes are found dumped in open areas and no proper collection ans storage facilities. 9. Housekeeping not satisfactory 10.One bore well in use and no flow meter installed, permission from CGWA to be obtained.	Directions may be issued based on ETP operation, installed monitoring system and poor housekeeping as well as higher manganese levels in gwound water .
10	Shree Jagdamba Knits (P) Ltd, P.No.-95,105, Site-B, Surajpur Industrial Area, Greater Noida	05.04.2018	Textile & Dyeing	1) Unit is operational at the time of visit. HW authorization dated 5.05.14 and is valid for 5 years 2) Manufacturing process include dyeing and printing of various types of fabrics 3) Effluent generated is collected and treated (physio- chemical treatment) through ETP. Treated effluent is discharged into a drain outside the factory which joins hawalia drain and then Hindon river. 4) Log book for ETP operations not available. 5) One treated effluent sample from ETP outlet discharged in the drain and one GW sample (bore well) collected and handed over to lab for analysis and results awaited. 6) No flow meter installed in borewell..CGWA authorization is yet to be obtained. 7) OCEMS not installed/connected.	Directions may be issued based on BOD level in ETP outlet sample, whish is exceeding the prescribed limit .
11	M/S Gabriele Lucano CNH Industrial India Pvt LTd formerly known as M/s New Holland Fiat (India) Pvt. LTd., Plot no 3 Udyog kendra, Ecotech-III, Greater Noida, U.P.	05.04.2018	Automobile	1)Unit Operational at the time of inspection, and consent valid upto 31.12.2019. HW authorization dated 27.3.17 and is valid for 2 years 2)Manufacturing process includes mainly engineering, fabrication, machining, painting, assembling 4) Effluent generated from the paint shop, machine shop and assembly lines are collected and treated in ETP consisting equalization tank, flash mixer, primary clarfier, aeration tank, secondary clarifier, and mutigrade filter system .5) Treated effluent is collected in collection tank and used for gardening purpose, Log book for ETP operations not available 6) 2 borewells in use, authorization from CWGA is yet to be obtained 7) One treated effluent sample from ETP outlet and one GW sample (borewell) collected , results awaited 8) OCEMS not installed /connected.	The unit generally complies with the norms and no action is proposed.
12	Sky Lark Dyeing (P) PVT LTd, Plot No.- B-2/14. Site-B, Surajpur, Greater Noida	04.04.2018	Textile & Dyeing	·Unit operational and consent is valid upto 31.12.2018 2.HW authorization dated 7.12.2015 with a validity for 5 years 3. Manufacturing process includes bleaching and dyeing of various types of fabrics 4.Effluent generated is collected and treated (physio chemical treatment) through ETP. Treated effluent is discharged into the drain outside the factory which joins Hawalia drain and then Hindon river. 5) Log book for ETP operations not available. 6) One treated effluent sample from ETP outlet discharged in the drain and one GW (borewell) handed over to lab 7) .No flow meter installed at ETP inlet and ETP outlet 8) One bore well in use and permission from CGWA is yet to be obtained.8.OCEMS not installed/connected	Direction may be issued based on no complaince of ETP outlet sample for pH, BOD, TSS, & Oil and Grease

13	M/S Yamaha Motor India (P) Ltd., A3 Industrial area, Noida-Dadri Road, Surajpur, District G.B. Nagar, UP.	13.03.2018	Automobile	Housekeeping of the unit is very good.Unit is having valid consent and authorization.Treated water about 500 KLD is discharged into drain which meets hawalia drain that flows finally into river Hindon.The analysis of treated water indicates that the treated effluent is complying with the discharge standards prescribed by UPPCB for the parameter such as pH, COD, TSS except BOD which indicates that the ETP is not operated properly and requires augmentation.Hazardous waste such as used oil, used thinner,used coolant, oil soake cotton glovesis disposed off through aTSDF namely Bharat oil & waste Management CompanyLtd Kanpur Dehat, U.P.	As the existing ETP treated water is not complying w.r.to the BOD and therfore unit is required to take action for augmentation of the existing ETP and operated properly so as to comply wih the discharge norms prescribed by UPPCB. Paint sludge generated may be sold or auctioned only to the paint sludge recyclers approved under HW & other waste (M & TM)rules 2016 or feasiblity of covering paint sludge into primer onsite may also be explored. Unit should install CoEMS at the outletof ETP or at the treated water discharge point within the premises and also be connected to the servers of CPCB and UPPCB. Proper log bookindicating total treated water discharged need to be recorded and maintained. Unit should take measures for minimisation of fresh water consumption by recycling the treated water.Directions under section 5 of the E(P) Act, 1986may be issued for ensuring complaiance to the discharged normsprescribed by UPPCB and also to comply with the above recommendations.
14	M/S Suchi Paper Mills Ltd, 589/2, Bisrakh Road, Vill. Chapraulla, G.B. Nagar	05.04.2018	Pulp & Paper	1) Unit is involved in manufacture of kraft paper from the waste paper. 2) House keeping is very poor. 3) The analysis reults of the treated effluent reveals that the treated effluent I before discharge of treated water into the drain is not complying to the effluent discharge norms w.r.TSS 4)The O & M of ETP is not proper and skimming of waste material at the inlet of ETP is done manually but not mechanically. 5)The COEMS probe is connected at the ETP outlet and is also connected to the CPCB server .6) The COEMS probe is connected at the ETP outlet and is also connected to the CPCB server.7) Unit obtained permission from CGWA for use of ground water resources for industrial purposes.	1) Unit is required to make concrete flooring within the industry and other necessary measures required for maintainance of proper housekeeping 2) Skimming provision at the ETP inlet should be machanized and skimming material shouls not be done mechanically. 3) Display board should be provided at the entrance indicating production capacity, present production, validity of consents under water Act, 1974, Air Act, 1981. 4) Existing ETP is required to be upgraded to ensure generated wastewater is treated properly before discharge.5) Efforts should be taken by the unit for reduction of water consumption by recycling of treated water. 6) Proper measures should be taken that the treated effluent before discharge into drain is complying with the effluent discharge norms as prescribed by UPPCB. 7) The O & M of ETP is ensured properly 8) Directions under section 5 of the E (P) Act, 1986 may be issued to the unit for ensuring compliance to above recommendations in a time bound manner.

15	M/S Kawatra Papers (P) Ltd., khasra no. 606, Village Dhoom Manikpur, G.T. Road, Dadri, Dist. GB nagar, UP	05.04.2018	Pulp & Paper	1) Unit is involved in manufacture of printing and writing paper from the waste paper. House keeping is not satisfactory. 2) The analysis reults of the treated effluent revealsthat the treated effluent is not complying to the effluent discharge norms w.r.toTSS, BOD, COD and about 500KLD of water is discharged into the drain which is connected to Dhoom Dujana Irrigation canal (nallah) which is located at about 0.5 km from the industry. 3) The O& M ETP is not proper and requires qugmentationor up gradation so as to comply with the effluent discharge norms prescribed by UPPCB.4) The COEMS probe is not connected at the ETP outlet or at the discharge point of the treated effluent.however, it is connected to the separate lines which may not be giving correct results.Moreover, the COEMS at the treated water discharge point or at the outlet of ETP is not attached with the CC camera. 5) On the date of visit, COEMS connected to ETP was in working condition but it is not connected to the CPCB server. 6) Units could not show any proof with regard to the permission obtained from CGWA for use of ground water resources for industrial purposes.	1) Unit is required to take adequate measures for improvement in hosekeeping. 2) The unit should stop discahging of treated water (but not complying with the discharge norms) with immediate effectsinto Dhoom Dujana irrigation canal (nallah) which is located about 0.5 km from the industry, as same is not complying with the discharge norms. 3)The existing ETP is required to be augmented or upgraded to ensure proper treatment of generated wastewater and also to ensure compliance to the effluent discharge norms for discharge into drains. 4) the unit should ensure proper O&M of ETP effectively and ensure to comply with the discharge norms.Efforts should be made by the unit for reduction of wastewater generation by adopting environmentally sound technology for proper treatment of generated effluent and for recycling of treated water within the industry premises. 5) The existing COEMS probe is required to be connected only at the ETP outlet or at the discharge point of the treated effluent and a provisison of CC Camera also be provided towards the COEMS probe.6) Unit is required to take action for data tranfer of COEMs to the CPCB and UPPCB servers, with immediate effects 6) A copy of the permission obtained from CGWA for use of groundwater resources should be submitted to CPCB and UPPCB. 7) Directions under section 5 of the E (P) Act, 1986 be issued to the unit for ensuring compliance to the above recommendations in a time bound manner.
16	M/s Aar Bee Exports, Plot No-155, Udyog Kendra, Greater Noida	05.04.2018	Electroplating, Phosphating & Galvanizing	NA	

17	M/s Amber Enterprises Ltd, Plot No-C-3,UPSIDC, Site-4, Ksana Greater Noida	13.03.2018	Electroplating, Phosphating & Galvanizing	1) The validity of consents ontained under water Act . 1974 and Air Act, 1981, expired in Dec, 2107.Unit applied for renenwal of consents and the same is awaited from UPPCB. 3) No authorization under Hazdous and other waste (M &TM) Rules, 2016 as amended is obtained from UPPCB.However , the generated ETP sludge generated at about 3 to 4 Kg /day is disposed off through TSDF located at Kanpur Dehat, U.P. 4) Tubewell located within the industry premises is used as water source for consumption ansd same is not attached with electromagnetic flow meter to assess the total water consumedon daily basis. 5) GP scrap generated at about 5% of raw material is sold or auctioed at the local vendor namely m/s Sumit Alloys Pvt.Ltd. 6) ETP chemical dosing detail as well as process chemicals consume in the manufacturing process is not provided and niether record maintained. 7) Paint coating is done in closed enclosures.8) Work zone area is not having proper ventilation. 8) PPEs is not provided to the workers.9) No permission is obtained from CGWP for extracting ground water.10) no charcaterstics of ETP sludge is availble with the unit .11) ETP outlet is not attached withOCEMS 12) Unit is not complying with the discharge normsprescribed by UPPCB w.r.to TSS as well as BOD as the ETP provided is not adequate and not operated and maintained regularly to comply with the discharge norms.13) Also, the analysis result of the ETP outlet for heavy metals w.r.to Cr (2.3mg/l .2mg/l limit), Ni (5.8 mg/l >3mg/l limit), and Zn (14.56 mg/l. 5mg/l limit), is exceeding the limit w.r.to electoplating effluent discharge standards which indicates that the ETP is not adequate to treat the wastewater effluent generated by the unit.	Work zone area is required to be provided with proper ventilation. Tube well water source available within industry premises is required to be attached with the electromagnetic flow meter for assessment of daily water consumption. Unit is required to obtain permission from CGWB for groundwater consumption for industrial activity. Unit is required to obtain authorization under Hazardous and other waste (Management & Trans boundry Movement) rules,2016 as amended from UPPCB for handling of hazardous waste generated by the unit.. Characterstics of ETP sludge to be analysed through a laboratory approved under the E(P) act, 1986. OCEMs is required to be installed at the outlet of ETP and also connected with CPCB & UPPCB servers. Directions under section5 of the E(P) act, 1986 to be issued to the unit for ensuring necessary improvements in a time bound manner.
18	M/s Autotech Steel Engineering (P) Ltd, Plot.No. 2B/3, Ecotech-I, Extn-I, Kasna Greater Noida, U.P.	13.03.2018	Electroplating, Phosphating & Galvanizing	1)Work zone area is not attached with proper ventilation. 2)Tube well water souce available within industry premises is used for consumption and same is not attached with electromagnetic flow meter for assessment of daily water consumption.3) Unit yet to obtain permission from CGWB for groundwater consumption for industrial activity of the unit. 4)ETP sludge generated is at about 3 to 3.5 kg per day is disposed off through TSDF located at kanpur Dehat, U.P 5) PPs not provided to the workers.6) Nearby drain is 10 km away (Kot escape drain that flows directly into river Hndon. 7) Unit has not obtained authorization under hazardous and other waste (Management & Trans boundry Movement) Rules,2016 as amended from UPPCB for handling of hazardous waste generated by the unit. 8) No characterstics of ETP sludge is available with the unit.9) ETP is not attached with the OCEMS.	Work zone area is required to be provided with proper ventilation. Tube well water source available within industry premises is required to be attached with the electromagnetic flow meter for assessment of daily water consumption. Unit is required to obtain permission from CGWB for groundwater consumption for industrial activity.PPE is required to be provided to the workers as per norms Unit is required to obtain authorization under Hazardous and other waste (Management & Trans boundry Movement) rules,2016 as amended from UPPCB for handling of hazardous waste generated by the unit.. Characterstics of ETP sludge to be analysed through a laboratory approved under the E(P) act, 1986. OCEMs is required to be installed at the outlet of ETP and also connected with CPCB & UPPCB servers. Directions under section5 of the E(P) act, 1986 to be issued to the unit for ensuring necessary improvements in a time bound manner.
19	Bajaj Carpet Industries Ltd, Suthyana Noida Dadr Highway G.B. Nagar	08.03.2018	Textile & Dyeing	1. ETP was not in Operation during visit. 2. Bypass arrangement (flexible pipeline) was found connected at inlet collection tank pump and pipeline going outside the unit premises. No efflusent was being discharged during visit. Unit representative informed that the ETP is under modifiction how ever, no intimation is provided to RO, UPPCB office. 3. Effluent was found in the collection tank however, ETP was not operational . No sample was taken by the joint team.	1)The unit should operate their ETP and should dismantled the bypass arrangement immediately. 2) The unit should install water meter at all the water abstraction points and ETP outlet and maintain daily logbook record for the same. 3) The unit should obtain valid consent from UPPCb under water and air act and authorization under Hazardous & other waste rules.

20	M/S Capital dyeing works, Plot no C-6, site C6, Surajpur, UPSIDC, Greater Noida	08.03.2018	Textile & Dyeing	1. Unit was in operation. 2. ETP was in opeation. The unit informed that the ETP is running under trial basis as unit started operation day before yesterday. Treated water is discharged into UPSIDC drain. Unit is not complying with the effluent discharge standard notified under E(P) Rules. However, unit informed ETP is in stabilization	1)The unit should stabilize their ETP and shall ensure that treated effluent should meet the discharged norms. 2)The unit should install water meter at all the water abstraction points/ borewells and shall maintain daily logbook records. 3) the unit should obtain authorization under Hazardous and other waste rules and dispose off ETP sludge in accordance to the authorization.4)The handpump at Devla village showed Lead higher than BIS limit making it unfit for drinking. Jal nigam shall take necessary action in this regard.
21	C & S Electric Ltd, Plot no B-I, site 4 Industrial area, Kasna road, Greater Noida UP	03-08-2018	Electroplating, Phosphating & Galvanizing	Unit informed that only tin electroplaing is done now a days and no manufacturing is done since 5-6 months. ETP was in operation so as to treat the effluent generated during electroplating process. Unit is non-complying with TSS and cyanide discharge norms. ETP treated effluent was collected by joint team.	1)The unit should operate their ETP properly so as to meet the discharge norms. 2) The unit carryout adequacy assessment of their ETP and comply with the recommendations of the report.3) The unit should dispose off the ETP sludge to TSDF facility
22	Expert Metaltech Pvt Ltd, Factory 192, Udyog kendral Greater noida (U.P.)	08.03.2018	Electroplating, Phosphating & Galvanizing	ETP was in operation. ETP comprise of collection tank ,clarifer, collection tank, filteration system. Unit requires to upgrade and augment their ETP so as to meet the norms. Unit is non complying with the effluent discharge norms and posing a serious threat due to high cyanide and high heavy metal concentration in the treated effluent.	1)The unit should close down the manufacturing operation.2) The unit should upgrade & augment their ETP and shall ensure that treated effluent meets the discharge norms. 3)The unit should carry out adequacy assessment of ETP and shall comply with the recommendations of the adequacy report.4) The unit should install flow meter at borewell and maintain daily logbook records for water consumption. 5) The unit should dispose off ETP sludge to TSDF facility (as pr authorization).
23	G.T.Cargo fittings India Pvt. Ltd. Plot no-92, Udhog kendra, Ecotech III, Greater Noida U.P.	08.03.2018	Electroplating, Phosphating & Galvanizing	ETP was operational. Unit is not complying with respect to cyanide and iron discharge norms.	1)The unit should properly operate their ETP so as to meet the discharge norms. 2) The unit should dispose off ETP sludge as per the authorization under Hazardous wastes.
24	Ganga Polyester Ltd. . H-37/38 Site C, Surajpur textiles	08.03.2018	Textile & Dyeing	ETP was in opeation. The treated efflusent of ETP is complying with the efflusent discharge standard.	The unit should dispose off ETP sludge to TSDF facility (as per authorization).
25	M/s Garg Tube Co. Ltd. Vill-Chaproulla, G.T. Road,G. Noida (Galvanising &Picking (G.I.Pipe))	07.03.2018	Electroplating, Phosphating & Galvanizing	Plant Opeartional during visit. sample was taken from ETP outlet. Treated effluent water is reused in process,however, as per water connsent by UPPCB they have permission to discharge treated water in dasna drain. They confirmed about no bypass or any injection of the discharge. Rice husks layer was spread over the plant premises from nearby rice mill industry	House keeping of the plant should be improved.
26	Goodluck Engineering, ViLL -Dhoom, Manikpur, G.T. road, Gr. Noida (Galvanising & Picking (Bright Bar & forgings))	08.03.2018	Electroplating, Phosphating & Galvanizing	Industry has stopped the process of phosphating and ETP is closed since year 2012. Industry is manufacturing forged & die forged finishel structural fabrication). As there is no wastewater generation in the process, therefore ETP is not required in the industry.	As inustry has stopped the process of phosphating since year 2012 (as mentioned in the water and air consent), category of the industry may be changed from red to green in the record/database.
27	M/S Hero Motors Ltd. (Punch Division), Vill-Achheja, G.T. Road, G. Noida (Electroplating & Phosphating (Automatic Component))	07.03.2018	Electroplating, Phosphating & Galvanizing	Plant was found operational. During visit senior officers were not present in the plant. Treated water is recycled and used in gardening. Samples were collected from ETP outlet. Good house keeping.	Nil

28	M/s Honda Siel Power Product Ltd, Plot no -5, Sec41, Ecotech-1, G Noida (Phosphating (Gensets))	08.03.2018	Electroplating, Phosphating & Galvanizing	Plant Opeartional during visit. sample was taken from ETP outlet. Treated water is used for gardening, flushing no discharge from ETP to any drain. They confirmed about no bypass or any injection of the discharge.They do not have CGWA permission for water usage.They informed that they have applied for the permission from Board.Very good Housekeeping	Industry may expedite the process of taking renewal from Central Ground Water Authority for Usage of ground Water.
29	M/s Indo Pump Plot no F-29-30, Site B, G. Noida (Galvanising & Picking (hand Pump))	08.03.2018	Electroplating, Phosphating & Galvanizing	Plant was found opeartional and ETP was started when we entered the plant premises. During industrial visit it was found that ETP outlet was diluted by connecting ground water pipeline to the ETP, Very poor housekeeping, surface/floor was slippery and difficult for workers to do any work. Acid fumes were observed emiting during visit.There was no proper storage of any raw material or product. Industrial products and scraping were spread all over the premises as well as on the road. NOC from ground water board for the ground water usage is not available. They have not conducted any ETP outlet analysis or ground waater quality analysis.	The Industry may be inspected for further confirmation, whether industry is following the norms or not? Direction under section 5of EP Act need to given as Industry indulged in diluting ETP outlet with grounf water
30	M/s Indus tubes Ltd, Vill-Chaproulla, G.T. Road, G. Noida (Galvanising & Picking (G.I.Pipe))	07.03.2018	Electroplating, Phosphating & Galvanizing	Plant was found operational during inspection. Samples were collected from ETP outlet. Treated Effluent water reused in process, however as per water consent issued by UPPCB they have permission to discharge treated water in dasna drain. They confirmed about no bypass or any injection of discharge.Housekeeping was satisfactory.	Nil
31	M/s Jayanita Export (P) Ltd. PLOT NO. A-1, EPIP, KASNA, G.NOIDA	09.03.2018	Electroplating, Phosphating & Galvanizing	• Industry does not meet the prescribed stsndard in the discharged effluent for the parameter such as total residual chlorine, total suspended solids, cyanide, nickel and heavy metals. The treatment facility is not adequate and the unit violates the environmental norms.there is no flow meter for intake of water and discharged wastewater.	Flow meter for water intake and discharge
32	M/s J.M.V.L.P.S. Ltd., (Ex Name J.M.V. Earthing Equipment pvt. Ltd) Plot No- J-12, Site-C, UPSIDC, GR.NOIDA	12.03.2018	Electroplating, Phosphating & Galvanizing	• ETP chemical addition is done manually. • Manual mixingis done • Outlet collected for testing • Housekeeping may be improved • Flash mixing system has to be provided rather than manual mixing. Effluent discharge collected.	Effluent collection and normalization are followed. Manual addition is followed for chemical mixing. Housekeepiing may be improved of flash mixing system has to be provided rather than manual mixing. Effluent discharge collected.
33	M/s JBM Autotech, PLOT NO-J-5, SITE -C , Gr.Noida	09.03.2018	Electroplating, Phosphating & Galvanizing	Industry does not meet the prescribed standards for the parameters such as TSS, Ammonical Nitrogen, O&G, Zn and cyanide. The treatment facillity is not adequate and unit violates the environmentals. The industry does not provide water measuring meter for both raw water nad effulents.	Units carry out Zn plating of spring. Acid fugitive emission observed in the room.It is a small unit. Effluent discharge was collected for testing of metals.
34	M/s Material Movell India (P) Ltd, Plot.No.G-86/1, Site-5, UPSIDC,Gr.Noida	09.03.2018	Electroplating, Phosphating & Galvanizing	Effluent acidic, No adequate neutralization.	No proper records and ETP operation was not proper.
35	M/s Mohak Carpet PLOT NO- 8, MIHILA UDYAMI PARK -II, G.NOIDA	09.03.2018	Textile & Dyeing	NA	Unit was closed for more than three years due to administration and financial problem.
36	Nippon Tube Ltd, Bisrakh Road, Vill- Chapraulla, Gr.Noida.	12.03.2018	Electroplating, Phosphating & Galvanizing	The treated water mixed with effluent. As unit does not have flow meter, exact water measurement not possible	It is galvanizing unit. ETP was in operation during the visit. However, the treated water collection is not inseparable. Treated effluent was found acidic. The unit claims zero discharge against the consent of UPPCB. Consent is for discharge and channels found with discharge evident. Waste water sample collected
37	M/s R.S. Infrastructure Pvt. Ltd. PLOTNO.12/1 , Site -C, SURAJPUR, Gr.Noida	08.03.2018	Electroplating, Phosphating & Galvanizing	Analysis results indicate that the unit is non complying w.r.to suspended solids (330), Zinc (14.62) and Ammonical nitrogen (114).	The industry may be directed not to operate unless it takes necessary action to comply with the respective standards

38	M/s Rahul lonTech Pvt. LTd, PLOT NO 143, Udyog Kendra, Gr.Noida	08.03.2018	Electroplating, Phosphating & Galvanizing	The unit is non complying w.r.to Nickel (29.31) and cyanide (0.22), Lead (1.34)	The unit may be directed not to operate unless it takes necessary actions to meet the above parameter.
39	M/s Sunshine Auto Industries PLOT NO.F-24, Site-B SURAJPUR, Gr.Noida	08.03.2018	Electroplating, Phosphating & Galvanizing	NA	NA
40	M/s Surya Processor Pvt. LTd , BISRAKH ROAD, Vill-CHHAPRAULA, Gr.Noida	08.03.2018	Textile & Dyeing	Housekeeping has scope for improvement. The unit is meeting the respective standards.	No action required.
41	M/S V.N.M. components, plot no-116, site B, Surajpur, Greater noida	08.03.2018	Electroplating, Phosphating & Galvanizing	NA	NA
42	M/s Bir Horizons Pvt. Ltd. , PLOT NO.F-79, SITE-B, Surajpur, Gr.Noida	08.03.2018	Textile & Dyeing	The unit is meeting the respective standards	No action required.
43	Vimal dyeing Hite C, H-41, surajpur industrial area	08.03.2018	Textile & Dyeing	Unit has installed ETP and same was found operational.	Results indicate that BOD are above the prescribed standards
44	M/s Vikas Wire Industries, plot no 5-37, site C, Gr. Noida	08.03.2018	Electroplating, Phosphating & Galvanizing	Treatment was carried out in batch process. Sample was taken from stored tank.	Results indicate that BOD, COD and Oil & Grease are above the prescribed standards.
45	S.P.Metaltech India Pvt LTD , G-82&81, site B, Industrial area,surajpur, Greater Noida, G.B. Nagar201306	08.03.2018	Electroplating, Phosphating & Galvanizing	Unit was operating pickling process in batch mode. Unit has installed ETP and same was found non –operational. No Sample was taken	. Unit shall be closed till ETP of adequate capacity was installed
46	M/s Metaltech Design (P) ltd, Plot no 7, udyog kendra, Greater Noida	08.03.2018	Electroplating, Phosphating & Galvanizing	Unit was operational and carrying outphosphating and surface treatment. Unit has installed ETP and same was found operational. Sample was taken for further analysis	Results indicate that pH is not meeting the prescribed standards.
47	India dyeing and textiles, F 75 site B, surajpur, Greater Noida, G.B.Nagar (U.P.)	08.03.2018	Textile & Dyeing	Unit was operational and carrying out dyeing process. Unit has installed ETP and same was found operational. Sample was taken for further analysis	Results indicate that pH, TSS, COD and BOD are not meeting the prescribed standards
48	Spack Automotive pvt Ltd. Kasna road, Surajpur, Greater Noida	08.03.2018	Electroplating, Phosphating & Galvanizing	During inspection ETP was sound operational and performing satisfactory	Results indicate that BOD, COD and Oil & Grease are meeting the prescribed standards
49	M/S NEUMAN COMPONENTS PVT, LTD, Plot no 35,Sec-31, Kasna, G. noida	09.03.2018	Electroplating, Phosphating & Galvanizing	1. The unit is manufacturing paint with manufacturing Sheet metal capacity of 730,000 pcs yearly and was found operational at the day of visit. 2. The ETP was found in operation duringinspection and liquid effluent samples were collected from Final Outlet of ETP for analysis. As per the test report, All the parameters are complying the prescribed standards except BOD & TSS 3. The unit has not installed the online continuous effluent monitoring system (OCEMS)	Show cause notice may be issued for proper operation and maintenance of the Effluent treatment Plant.
50	M/S RASANDIK ENGG.INDIA LTD, Plot no A-1/2, Surajpur , Industrial area, G. Noida	08.03.2018	Electroplating, Phosphating & Galvanizing	1. The unit is manufacturing capacity of 2400 set of Sheet Metal /day and was found operational at the day of visit. 2. The ETP was found in operation during inspection and liquid effluent samples were collected from Final Outlet of ETP for analysis. As per the test report, ETP final Outlet sample complying the prescribed standards. 3. The unit has not installed the online continuous effluent monitoring system (OCEMS) 4. Flow meter was not working during Inspection.	Flow meter on the Bore Well need to be replaced and maintained.

51	M/S Asian Paints Ltd., PLOT NO-A-1, UPSIDC, Industrial Area, site 5, G. Noida,	09.03.2018	Paint & Varnishes	1. The unit is manufacturing paint with manufacturing capacity of 80,000MTA/KLA and was found operational at the day of visit. 2. The ETP was found in operation during inspection and liquid effluent samples were collected from Final Outlet of ETP for analysis. As per the test report, ETP final Outlet sample complying the prescribed standards. 3. The unit has not installed the online continuous effluent monitoring system (OCEMS)	
52	M/s. Surya Fresh Food Ltd., Plot No. 14, Dadri Road, G.Noida, GB Nagar	08.03.2018	Agro Based & Food Processing	1. The unit is manufacturing Tetra pack in 4 lines: 1200 LPH, 6000 LPH, 6000 LPH manufacturing capacity and was found operational at the day of visit. 2. The ETP was found in operation during inspection and liquid effluent samples were collected from Final Outlet of ETP. As per the test report, all parameters from the outlet of the ETP are complying except BOD. 3. The unit has not installed the online continuous effluent monitoring system (OCEMS) 4. Unit has not applied for hazardous waste authorization.	1. Show cause notice may be issued for proper operation and maintenance of the Effluent treatment Plant. 2. Unit should apply for hazardous waste authorization.
53	M/S Graziano Trasmissioni India Pvt. Ltd., PLOT NO-14, Udyog Kendra, GR.NOIDA	08.03.2018	Automobile	1. The unit is manufacturing Auto (Oil Quenching process) with manufacturing capacity of 9360 Tonne and was found operational at the day of visit. 2. The ETP was found in operation during inspection and liquid effluent samples were collected from Final Outlet of ETP for analysis. As per the test report, ETP final Outlet sample is complying the prescribed standards. 3. The unit has not installed the online continuous effluent monitoring system (OCEMS)	
54	M/S KRBL Ltd., Village- Achchheja,G.T. Road Dadri, GR.NOIDA	09.03.2018	Agro Based & Food Processing	1. The unit is manufacturing Basmati Rice with manufacturing capacity of 434 MT/day and was found operational at the day of visit. 2. The ETP was found in operation during inspection and liquid effluent samples were collected from Final Outlet of ETP after RO for analysis. As per the test report, all parameters from the outlet of the ETP except pH are complying the prescribed standards 3. The unit has not installed the online continuous effluent monitoring system (OCEMS) 4. Industry having approval from Central Ground water authority. 5. Consent under section 25/26 of the Water (Prevention and Control of Pollution) Act ,1974 is valid for the period from 16/02/2018 to 31/12/2019 6. Consent under section 21/22 of the Air (prevention and Control of Pollution) Act ,1981 is valid from 16/02/2018 to 31/12/2019.	Show cause notice may be issued for proper operation and maintenance of the Effluent treatment Plant.
55	M/s Bajaj Hindustan sugars Ltd, Sugar Unit,Kinauni, Meerut	05.03.2018	Sugar	The effluent genrated is being treated through ETP(activated sludge process) upto tertiary level. The treated effluent is being recycled in process and used in horticulture and balance effluent is stored in treated effluent holding lagoon and utilised in irrigation.	1.The unit shall provide water sprinklers for the control of dust emission during loading and unloading so as to minimise the dust emission. 2.Unit shall provide water sprinklers along the temporary roads inside the premises to avoid fugitive dust emission during the vehicle movement.3.unit shall develop green belt of adequate width around the premises.4. unit shall carryout periodic medical examination and to provide presonal protective euipment to the employees and necessary precautionary measures shall be taken to minimize health heazards

56	M/s Bajaj Hindustan Sugars Ltd, Distillary Unit,Kinauni, Meerut	05.03.2018	Distillery	unit comes under zero liquid discharge and the condensate using for biocomposting	1.The unit shall provide water sprinklers for the control of dust emission during loading and unloading so as to minimise the dust emission. 2.Unit shall provide water sprinklers along the temporary roads inside the premises to avoid fugitive dust emission during the vehicle movement.3.unit shall develop green belt of adequate width around the premises.4. unit shall carryout periodic medical examination and to provide presonal protective euipment to the employees and necessary precautionary measures shall be taken to minimize health heazards
57	M/s Sardhana Papers pvt Ltd, Opp. Power sub station,Meerut Road, Sardhana	05.03.2018	Pulp & Paper	Fly ash was observed in and around the industrial premises	1) The unit shall provide ESP to control fly ash. 2).Unit shall provide water sprinklers along the temporary roads inside the premises to avoid fugitive dust emission during the vehicle movement.3).unit shall develop green belt of adequate width around the premises. 4) unit shall carryout periodic medical examination and to provide presonal protective euipment to the employees and necessary precautionary measures shall be taken to minimize health heazards
58	M/s Ramala Sahkari Chini Mills Ltd, Ramala, Bagpat	07.03.2018	Sugar	All treated water stored in lagoon were used in Beggase yard, Wet scrubber. There were oil and greese screamer, bar screamer, and chlorination tank, multigrade filterand active carbon filter (tertiary treatment system) were installed and in working conditions.	The unit shall provide water sprinklers for the control of dust emission during the loading and unloading press mud so as to minimize th dust emission. Also the unit shall provide water sprinklers along the temporary roads inside the premises to avoid fugitive dust emission during the vehicle movements. The unit shall develop green belt of adequate width around the premises. ·The unit shall carryout periodic medical examination and to provide personal protective equipment (PPE) to the employees and necessary precautionary measures shall be taken to minimize health hazards.
59	M/s Titwai Sugar Complex, Indian Potash limited unit,Titwai, Muzaffarnagar	07.03.2018	Sugar	Treated effluent used for irrigation purpose inside the plant as well as to nearby farmers	1.The unit shall provide water sprinklers for the control of dust emission during loading and unloading press mud so as to minimise the dust emission. 2.Unit shall provide water sprinklers along the temporary roads inside the premises to avoid fugitive dust emission during the vehicle movement.3.unit shall develop green belt of adequate width around the premises.4. unit shall carryout periodic medical examination and to provide presonal protective euipment to the employees and necessary precautionary measures shall be taken to minimize health heazards

60	M/s Bajaj Hindustan Ltd. Budhana, Muzaffarnagar	07.03.2018	Sugar	The treated effluent stored in lagoon was observed lot of algal growth and it seems that the stored water is not used for any purpose.	1.The unit shall provide water sprinklers for the control of dust emission during loading and unloading press mud so as to minimise the dust emission. 2.Unit shall provide water sprinklers along the temporary roads inside the premises to avoid fugitive dust emission during the vehicle movement.3.unit shall develop green belt of adequate width around the premises.4. unit shall carryout periodic medical examination and to provide presonal protective euipment to the employees and necessary precautionary measures shall be taken to minimize health heazards
61	M/s D.S.M. Sugar Mansurpur, Meerut Road.	06.03.2018	Sugar	The OCEMS is installed and found in working condition at the time of inspection. ETP is found operational and the samples was collected from the outlet of the ETP. The analysis results indicate the compliance of standard and there was no discharge observed from industry during inspection.	
62	M/s Uttam Sugar Mills, Khaikheri,Muzaffarnagar.	08.03.2018	Sugar	The OCEMS is installed and found in working condition at the time of inspection. ETP is found operational and the samples was collected from the outlet of the ETP. The analysis results indicate the compliance of standard and there was no discharge observed from industry during inspection.	
63	M/s Triveni Engg. Industries Ltd. Khatauli, Muzaffarnagar.	06.03.2018	Sugar	The OCEMS is installed and found in working condition at the time of inspection. ETP is found operational and the samples was collected from the outlet of the ETP. The analysis results indicate the compliance of standard and there was no discharge observed from industry during inspection.	
64	M/s Triveni Engg. Industries Ltd.(Alco) Bilaspur, Jolly Road, Muzaffarnagar.	08.03.2018	Distillery	The industry is inspected on March 08, 2018 by the officials of CPCB, UPPCB and UPJN. The spent wash is utilized for composting. MEE is found operational. There was no discharge observed from industry during inspection.	
65	M/s Sir Shadi Lal Distillery & Chemical Works, Mansoorpur	03-06-2018	Distillery	The industry is inspected on March 06, 2018 by the officials of CPCB, UPPCB and UPJN. The spent wash is utilized for composting. MEE is found operational. There was no discharge observed from industry during inspection.	
66	M/s I.P.L. Sugar Unit Rohana kalan, Muzaffarnagar.	08.03.2018	Sugar	The OCEMS is installed and found in working condition at the time of inspection. ETP is found operational and the samples was collected from the outlet of the ETP. The analysis results indicate the compliance of standard for disposal on land and there was no discharge observed from industry during inspection.	
67	M/S Garg Duplex, Bhopa road, Muzaffarnagar, U.P	16.04.2018	Pulp & Paper	No electromagnetic flow meters were installed; however ultrasonic flow meters were installed and were found operational. No record was being maintained for disposal of coarse screen reject (plastic & metallic) after the pulper section and also in the hill screen of the ETP inlet. Housekeeping was very poor in the entire processing area of paper and pulp unit.	
68	M/s Silvertone Paper Ltd. (unit I) Bhopa Road, Muzaffarnagar	16.04.2018	Pulp & Paper	No electromagnetic flow meters were installed; however ultrasonic flow meters were installed and were found operational. Ground water sample collected near M/s Silvertone (Unit I & II) and M/s Garg Duplex (P) Ltd., were not complying w.r.t Sulphate. No record was being maintained for disposal of coarse screen reject (plastic & metallic) after the pulper section and also in the hill screen of the ETP inlet. Housekeeping was very poor in the entire processing area of paper and pulp unit.	

69	M/s Shalimar Paper (p) Ltd., 8th KM stone Jansath Road,Muzafarnagar, U.P.251001	12.04.2018	Pulp & Paper	i. The equipments/facilities within the premises were found rusted. III. The inspecting team has observed pile of plastic waste (wet condition) were found spread within the premises over an area of about 50m x 30 m. The plastic waste seems to have generated from the hole screen separator (after pulper section) of the pulp and paper industry (Kraft). IV. Ground water sample was collected from hand pump in front of the premises within 500 m radius for the parameters Fluoride, Sulphate, Cd, Cu, Pb, Ni, Zn, Hg and Oil & Grease. Note: Analysis report of the ground water sample shall be forwarded as and when received from Fresh water lab and Instrumentation lab.	
70	M/S Bindalas Ltd, (Unit-1) Bhopa Road, Muzaffarnagar	12.04.2018	Pulp & Paper	No electromagnetic flow meters were installed; however ultrasonic flow meters were installed and were found operational. Cement Concrete pits (10 m x 10 m) were found adjacent to the drain where treated waste water effluent is discharged. It was informed by the unit that local people have made those pits in order to gather settled pulp, if any to be reused in making cardboards. Photographs enclosed for reference please. No record was being maintained for disposal of coarse screen reject (plastic & metallic) after the pulper section. Housekeeping was very poor in the entire processing area of paper and pulp unit	Waste water from primary clarifier is taken to the recycle tank and reused for plant through spray filter. The same needs to checked with concerned SPCB for authorization, since “Effluent "Discharge" shall mean the effluent leaving the outlet of the final wastewater treatment stage and will include any volumes applied on land within the mill premises or any other mill-owned lands. Such application on land shall not be drawn from any other point before the outlet of the final wastewater treatment stage”
71	M/S Bindalas Ltd, (Unit-2) Bhopa road, Muzaffarnagar	12.04.2018	Pulp & Paper	No electromagnetic flow meters were installed; however ultrasonic flow meters were installed and were found operational. Cement Concrete pits (10 m x 10 m) were found adjacent to the drain where treated waste water effluent is discharged. It was informed by the unit that local people have made those pits in order to gather settled pulp, if any to be reused in making cardboards. Photographs enclosed for reference please. No record was being maintained for disposal of coarse screen reject (plastic & metallic) after the pulper section and also in the hill screen of the ETP inlet. Housekeeping was very poor in the entire processing area of paper and pulp unit.	
72	M/S Shakumbari Pulp & Paper Bhopa Road	16.04.2018	Pulp & Paper	No electromagnetic flow meters were installed; however ultrasonic flow meters were installed and were found operational. No record was being maintained for disposal of coarse screen reject (plastic & metallic) after the pulper section and also in the hill screen of the ETP inlet. Housekeeping was very poor in the entire processing area of paper and pulp unit.	
73	M/s. N.S. Papers Ltd. (Unit-1), Jansath Road, Muzaffar Nagar	09.04.2018	Pulp & Paper	Analysis result s indicate compliance of standard for disposal.However, the value of BOD is slightly high.The treated effluent is discharged into a small drain. Common ETP for Unit 1 & 3. Applied for NOC from CGWA.	Industry should improve cleanliness in the premises and developed greeen belt.
74	M/s. N.S. Papers Ltd. (Unit-3), Jansath Road, Muzaffar Nagar	09.04.2018	Pulp & Paper	Analysis result s indicate compliance of standard for disposal.However, the value of BOD is slightly high.The treated effluent is discharged into a small drain Applied for NOC from CGWA.	Industry should improve cleanliness in the premises and developed greeen belt.
75	M/S Mahalaxmi Craft & Tissues Bhopa Road, 9th Km, Jansath Road	09.04.2018	Pulp & Paper	The OCEMs is installed and found in working condition at the time of inspection. ETP is found operational and the samples were collected from ETP outlet.The analaysis results indicate the compliance of standard for disposal. The treated effluent is being discharged into a small drain	Industry should improve cleanliness in the premises and developed greeen belt.

76	M/S Aggarwal Duplex & Board Mills Ltd. Bhopa Road	09.04.2018	Pulp & Paper	The OCEMs is installed and found in working condition at the time of inspection. ETP is found operational and the samples were collected from ETP outlet.The analaysis results indicate the compliance of standard for disposal. Different reading of flow meters was observed at the outlet of ETP, V notch, displayed at OCEMS and flow meter reading. Therefore flow meter needs to be calibrated.The treated effluent is being into a small drain.	Industry should improve cleanliness in the premises and developed greeen belt and calibration of flow meters
77	M/S Tirupati Balaji Fibers Ltd. Bhopa Road	11.04.2018	Pulp & Paper	The OCEMs is installed and found in working condition at the time of inspection. ETP is found operational and the samples were collected from ETP outlet.The analaysis results indicate the compliance of standard for disposal. The treated effluent is being discharged into a small drain. As per the consent issued by the UPPCB, the treated water has to be used for re-cycling in the process or irrigation purpose only. But the industry is discharging the treated effluent into small drain.	Industry should improve cleanliness in the premises and developed greeen belt. Industry should utilise the treated effluent for recycling in the process of for irrigation purpose.
78	M/S Meenu Papers (P) Ltd., 9.5 Km, Bhopa Road	11.04.2018	Pulp & Paper	Analysis result s indicate compliance of standard for disposal.The treated effluent is discharged into a small drain	Industry should improve cleanliness in the premises and developed greeen belt.
79	M/S Tehri Pulp & Papers Ltd. (Unit-I), 9th Km Stone, Bhopa Road	12.04.2018	Pulp & Paper	The consent under air and water act has been expired in December,2017.	Renewed consents under air and water act may be obtained from State Board
80	M/S Tehri Pulp & Papers Ltd. (Unit 2), 9th Km Stone, Bhopa Road	12.04.2018	Pulp & Paper	The consent under air and water act has been expired in December,2017.	Renewed consents under air and water act may be obtained from State Board
81	M/S Suyash Craft & Papers Ltd. Village- Velhana, Meerut Roadf, Muzaffarnagar	13.04.2018	Pulp & Paper	Analysis results entered	Authorization under Hazardous and Other Waste (M&TM) Rules, 2016 may be obtained from State Board.
82	M/S Shri Bhageshwari Paper Mills (P) Ltd., 9 th Km Stone (Unit-1), Bhopa Road, Muzaffarnagar	12.04.2018	Pulp & Paper	After analysis of testing report of waste water sample from effluent treatment plant & ground water sample from bore well, it has been observed that value of TSS & BOD exceeded the prescribed limit of standards.	ETP may be operated on optimum capacity.
83	M/S Shri Bhageshwari Paper Mills (P) Ltd., 9 th Km Stone (Unit-2), Bhopa Road, Muzaffarnagar	12.04.2018	Others	Water meter was broken at the time of inspection. ETP capacity is inadequate.	Repairing of broken water meter or else replace it with new one.
84	M/s Sidhbali Papers mills Ltd,), 45-B, new mandi, Muzaffarnagar	13.04.2018	Pulp & Paper	Consent has been expired in December, 2017 and its validity put on hold by the UPPCB due to NGT case	The renewed Consents under air and water act may be obtained from State Board and production capacity may be increased as per renewed consents.

85	M/s Siddheshwari Ind. Pvt. Ltd., Jansath Road,	08.03.2018	Pulp & Paper	1. There was no display of the name of the industry at the entrance. 2. The unit was found operational at the time of the inspection. ETP was also found operational. 3. The industry uses wastepaper for manufacture of Kraft Paper. Sludge generated is used for manufacture of low garde paper as per information provided by the plant management. 4. ETP comprises Equalization tank, Hill Screen, Primary clarifier, Aeration Tank, Secondary clarifier, Collection pit and Spray filter. 5. The industry has obtained Consents under Water ACt 1974 and Air Act 1981 which are valid upto 31.12.2019. 6. There was no qualified people overseeing the operation and maintenance of ETP. The lack of qualified manpower caused difficulty in getting relevent information on site during inspection. Important information such as wastewater generation could not be gathered or satisfactory informed at the time of inspection. Log sheets were not properly maintained. However, the industry representative sent the informatiob later on. 7. The industry has obtained authorization from SPCB under Hazardous and Other Wastes (management and transboundary Movement) Rules 2016 and the same is valid for five years from 29.11.2017. 8. The industry has applied for NOC from CQWA for abstraction of ground water. 9. OCEMS was found installed at outlet of ETP and it was found functional during the inspection. It was also informed that the OCEMS has been connected to the CPCB server for online transfer of data. 10. Flow meter has been installed on all 4 bore wells to measure water consumption. However, industry could not provide satisfactory information on water consumption at the time of inspection. Though, the document was sent by the industry later on. 11. Analysis report of effluent samples and groundwater samples, collected during the inspection is awaited. 12. relevent documents provided by the industry are attached. 13. Inlet water was obsvered very clean - not the characteristic of paper industry which raised possibility of altered manufacturing process ie.possible dilution. Also, MLSS of Aeration tank was visibly high over 80% of the volume of the sample settled, when taken in a 1000 ml measuring cylinder. 14. Treated effluent is discharged into Dhadera drain jut outside the pant premises. As per information, it originates before Makhiyali village. It was also informed that another drain merges with it near Allur Meat factory close to the Dhandera village. The Dhandera drain receives discharge from various industries Jansath and Bhopa road. The Dhandera drain discharges in West Kali which finally merges into River Hindon.	See observations and lab results

86	M/s K.K. Duplex & paper mill Pvt. Ltd., Jansath Road, Muzaffarnagar	08.03.2018	Pulp & Paper	1. The plant was under shut down upon arrival of the team, reportedly due to problem in process i.e. crack in drum belt in paper mill. It was informed that the plant was closed at approximately 8.30 am on that day. subsequently, the plant was made operational. 2. To collect representative samples for analysis, the inspection team had to return to the unit after 3 h of initial inspection, when the ETP was operational. 3. the industry uses wastepaper as raw material for manufacture of duplex board. 4. As per information provided, production capacity of unit was enhanced from 30 TPD to 60 TPD in 2013. 5. As per adequacy report prepared in sept, 2017 by the Central Pulp and Paper Research Institute, Saharanpur, there is proposed production capacity explnsion to 100 TPD. 6. ETP comprises of Equalization tank, Sedi Cell, Tube Settler, Aeration tank, Secondary clarifier, Tube settler, Multigrade filter. 7. The industry has obtained Consent under Water ACt, 1974 and Air Act, 1981 which are valid upto 31.12.2018. 8. Consent for authorization from SPCB under hazardous and other wastes Rules 2016 is not available. Copy of application has not been provided. 9. there are 2 borewells within the premises, Industry has applied on 25.10.2017 for permission for groundwater abstraction from CGWA. However, till date NOC has not been granted to the industry. 10. OCEMS was found installed at outlet of ETP and was found functional during the inspection. It was also informed that the OCEMS has been connected to the CPCB server for online transfer of data. Flow meter has been installed on both the borewells to measure water consumption. 12. Analysis report of effluent samples and ground water sampes collected during the inspection is awaited. 13. Relevent documents provided by the industry such as Consent papers, ETP flow sheet etc are attached. 14. There were no qualofied people overseeing the operation and maintenance of ETP. The lack of qualified manpower caused difficulty in getting relevent information on the site during inspection. Important such as wastewater generation could not be gathered at the time of inspection. Log sheets were not properly maintained. However, the industry representative sent some of the information later. 15. Treated effluent is discharged into Dhandera drain outside the plant premises.	Nil

87	M/s Silver Tone Pulp & Paper, 9th Km Stone, Bhopa Road, Muzaffarnagar.	08.03.2018	Pulp & Paper	1. The unit was found operational at the time of the inspection. ETP was also found operational. The industry uses wastepaper for manufacture of Kraft Paper. 2. ETP comprises Equalization Tank, Hill Screen , primary clarifier, Aeration, Secondary clarifier, MGF (Multi grade filter) and ACF (Activated Carbon Filter). 3. The industry has applied online for Consent under Water Act, 1974 and Air Act 1981 on 4-2-2018. It was understood from discussions with the accompanying SPCB official that the delay in providing consent is due to online system introduced recently in the state and there is no fault of the industry. State is expected to issue NOC soon. 4. The industry has obtained authorisation from SPCB under Hazardous and other Wastes (Management and Transboundary Movement) rules 2016 and te same valid for 5 years from 4-8-2017. 5. As an initiative towards waste management, the industry has an agreement with M/S Bharat Oil and Waste management Ltd. Specified waste materials generated by the unit, is provided to Bharat oil and Waste Management Ltd. for incineration. 6. Unit has applied for NOC for groundwater abstraction from CGWA. 7. OCEMS was found installed at outlet of ETP and it was found functional during the inspection. it was also informaed that the OCEMS has been connected to CPCB server for the online transfer of data. 8. Flowmeter has been installed on all three bore wells to measure water consumption. 9. Analysis report of effluent samples and groundwater samples, collected during the inspection, is awaited. 10. Industry has provided the relevent documents such as copy of application for consent under Air and Water ACt, ETP flow sheet, logsheet etc. 11. There was no display of the name of the industry in its main entrance. 12. Condition of housekeeping was satisfactory. A qualified professional having M.Sc degree was found employed to oversee the operations and maintenance of ETP. 13. The treated effluent is discharged into Dhandera drain which meets river Kali west approximately 20 k from plant premises.	Nil

88	M/S Bindal Papers Ltd. Bhopa Road, Muzaffarnagar	08.03.2018	Others	1. M/s Bindals paper mills Ltd is a Wood, Agro and Wastepaper based writing printing paper industry with installed capacity of 300 TPD. 2. The unit process and its ETP were operational at the time of inspection. 3. The unit ETP comprises of Equalization tank /82 no.s 256 cubic m each); MIST cooling system, Aeration tank with MIST cooler, surface aerator /(7500 cubic m) and air blowers; Secondary clarifier; physio-chemical treatment using flocculation and coagulation (DAF 300 cubic m); tertiary treatment by dual media filters (572 cubic m). 4. At the time of visit treated effluent after tertiary treatment was processed in RO plant which has newly been installed. The RO permeate was recycled and reutilized in the manufacturing process. 5. the unit ETP inlet and outlet points were provided with flow meters. V-notch was installed at the ETP outlet. There was however, not any scientific facility avaiable for quantification of actual treated wastewater discharge from ETP being recycled for utilization in the process. 6. The OCEMS installed at the final ETP outlet was having its sensor equipment fitted and imersed in the stagnant water filled in topside open hemi-cylindrical plastic container, thus having no provision for direct contact with any possible flow of the treated trade effluent being discharged after ertiary treatment through the ETP outlet in to the DHandera Nala which passes immedicately near the industry premises. 7. A very small discharge (0.08 cubic m/h) through the EtP outlet was recorded from V-notch due to RO valve leakage.8. he unit is operating without valid consent to operate (CTO) under Sit Act and Water Act having validity expired on 31.12.2017. The unit , however, has applied to UPPCB for renewal of the CTO on 04.02.2018 and provided application copy of the same. 9. The unit has authorization under hazardous waste management rules haing validity upto 17-1-2022. 10. The unit has applied for renewal of NOC from CGWA on 27.9.2017 as its validity had expired on 04.11.2013. 11. the unit meets its freshwater consumption (31 cubic m/T paper) through ground water abstraction from four bore wells which are equipped with electromagnetic flow meters. In the month of Feb 2018 the unit consumed 6493.42 KLD of fresh water. 12. the water holding pond (3938 cubic m) lying near aeration tank has got adequacy clearance from IIT for its use as emergency guard pond to ensure the storage of wet washing effluent in case of any breakdown. 13. The unit is practicing consortium of mix culture (aerobic and anaerobic) in the pond.	1. The outlet conduit systtem after tertiary treatment faciity of ETP shall have to be provided in such a way that appropriate positioning of OCEMS and flowmeter ensures mesurement of the actual amount of treated effluent being recycled for use in rocess or in case being discharged after tertiary treatment into the nearby drain. 2. the unit shall provide jet aerators for proper air mixing in the quard pond. 3. The unit has installed RO plant to reuse the treated effluent in manufacturing process and has provision for discharging the effluent after tertiary treatment through final outlet. In case the unit discharges effluent after tertiary treatment through final outlet. In case the unit discharges effluent after tertiary treatment into the drain, the performance of an ETP is too poor to comply its treated effluent quality within stipulated wastewater discharge norms w.r.t. pH 6.25 (against the norms of 7-8.5); BOD 38 mg/L (agaisnt the norma of 30 mg/L); TSS 89 mg/L (against the norms of 50 mg/L). the unit is therefore recommended to improve the performance of the functioning of ETP.
89	M/s. Arihant Pulp & Papers Ltd., Jansath Road, Muzaffar Nagar.	08.03.2018	Pulp & Paper	CLOSED	CLOSED

90	M/s Disha Industries ltd., 9th Km, Jolly Road, Vill- Sikhrera, Muzaffarnagar	08.03.2018	Pulp & Paper	1. M/s Disha Industries Pvt. Ltd. Is a wastepaper based Kraft paper industry with installed capacity of 200 TPD. 2. The unit process and its ETP were operational at the time of inspection. 3. The outlet channel to tertiary treatment from secondary clarifier was completely dry. 4. The unit uses wastewater after treatment in primary clarifier for pulping process. 5. At ETP outlet point both flow meter and V-notch were installed. 6. Effluent after tertiary treatment has an alternative to be discharged into drain (Sikhreda Nala) but the entire quantity of effluent after teriary treatment was pumped out for its use in the manufacturing process at the time of visit. 7. The amount of treated water being recycled for use in the process after tertiary treatment could not be quantified as the flow meter was not properly working. OCEMS didnt provide the satisfactory results especially for flow measurement as the value recorded were merely 0.05 meter cube/h only. V-notch gear facility installed outlet channel works only when discharge of treated effluent is allowed into the nearby drain through an overflow outlet channel. 8. For sample collection purpose and for measurement of the flow, treated effluent was allowed to pass on for a while through overflow channel into sikhreda Nala. At this time only the outlet channel from secondary clarifier carried the wastewater which was pumped into the dual media filter for tertiary treatment. 9.Wastewater flow measurement from OCEMS, Mass flowmeter and V-notch at the ETP outlet when treated effluent was allowed to discharge into the drain doesnt show much difference in the observed values, thus indicating the proper functioning of the flow measurement devices at this time irreoective of the previous case when all the treated effluent was recycled for use in the process. The reason for not having in the OCEMS record (as determined from the wastewater flow record), satisfactory information on the actual amount of discharge of treated effluent into the drain apart from using in the process couldnt be justified from the information procided by the unit. 10. The unit has valid consent under Air ACt and water Act validity upto 31.12.18. 11. NOC from CGWA for groundwater abstraction is valid upto 27.9.2019. 12. Abstraction of groundwater is made from 2 bore wells both of whichare provided with flow meters. The present flow of Bore well no. 2 was 124/284 cubic meter/h of the total water abstraction record of 1270683 cubic meter and the flow rate of borewell no. 1 was 76.2 cubic meter/h out of the total water abstraction record of 131512 cubic meter. The treated effluent quality of ETP is complying with sti[ulated wastewater discharge norms w.r.t. pH 8.03 (against norms of 7-8.5). COD 120 mg/L (against norms of 250 mg/L), BOD 15 mg/L (against the norms of 30 mg/L) and TSS 45 mg/L (against the norms of 50 mg/L)	1. On the supply line carrying treated effluent for process use, the drain-off valve meant for occasional disposal of small mount of tertiary treated effluent used in Filter ottle wash oof after cleaning of Filter bottles into the overflow outside the V-notch gear should either have to be closed permanently or made to open into the collection tank to ensure proper water management. 2. The placement of OCEMS probe, Flow meter sensor and V-notch gear should have to be properly placed at the final outlet channel to ensure maximum scientific accuracy in measurement of the actual representative characteristics of the wastewater quality including the flow.
91	M/s. Galaxy Papers Pvt. ltd., 9.4 Km Jolly Road, Vill- Dhandhara, Muzaffarnagar (Under maintanence during visit)	15.03.2018	Pulp & Paper	1. The unit is Paper mill with an installed capacity of 100 MT/day using waste paper. 2. During the visit, unit was shutdown for maintenance. 3. The unit has a valid consent of Air and Water and valid upto 31.12.2018. Copies are enclosed. 4. Unit has obtained the NOC for extended capacity from 15 MT/day to 100 MT/Day vide letter no:H14868/C-3/NOC-506/Muzaffarnagar/17. But the unit has not applied for the CTO for extended capacity. 5. Unit has not obtained any membership certificate from any TSDF. 6. Unit has 2 boilers of 4 TPH and 12 TPH. 6. Unit has installed web camera and flow meter but ut is not connected with CPCB.	It is suggested to keep housekeeping in the premises 2. The unit should obtain the authorization under Hazadous and Waste, 2016. 3.Unit should obtain CTO for extended capacity. 4. Unit should connect with CPCB for data submission of flow.
92	M/s. Taj Papers Pvt. Ltd., Jolly Road, Muzaffarnagar	15.03.2018	Pulp & Paper		

93	M/s. Shaktl Kraft & Tissues Pvt. Ltd., 9th Km, Jansath Road,Muzaffarnagar	15.03.2018	Pulp & Paper	1. The sample collected from the ETP outlet has been given for analysis. 2. The unit is Paper mill with an installed capacity of 100 MT/day using waste paper. 3. During the visit it was found operational. 4. The unit has a valid consent of Air and Water and valid upto 31.12.18. 5. Unit has obtained a membership certificate from Bharat Oil and Waste management Ltd. 6. Unit has a boiler of 6TPH using baggase and wood as fuel. 7. Unit has installed OCEM system at ETP outlet for pH, BOD, COD, TSS and flow. It is also connected with CPCB.	1. It is suggested to keep good housekeeping in the premises 2. The unit should obtain the authorization under Hazardous and Waste, 2016. 3. Electromagnetic flow meter installed at discharge line measures only flow rate and hence suggested to install flow meter which can measure cumulative flow.
94	M/s. Aristo Craft Papers Pvt ltd, 7 Km, Meerut Road, MuzaffarNagar	15.03.2018	Pulp & Paper	1. The sample collected from the ETP outlet has been given for analysis.2. The unit is Paper mill with an installed capacity of 50 MT/day using waste paper and got NOC from UP Pollution control board for the capacity of 150MT/day. They have also applied for the renewal of CTO for expansion.3. During the visit it was found operational. 4. The unit has a valid consent of capacity 50MT/day for Water and Air valid up to 31.12.18. 5. Unit has obtained a membership certificate from Bharat Oil and Waste Management Ltd. 6. Unit has a boiler of 12 TPH using baggase as fuel. 7.Unit has installed OCEM system at ETP outlet for pH, BOD, COD,TSS and flow. It is also connected with CPCB.	1. It is suggested to keep good housekeeping in the premises 2. Electromagnetic flow meter installed at discharge line measures only flow rate and hence suggested to install flow meter which can measure cumulative flow.
95	M/s. Orient Board & Papers Pvt. Ltd., Jansath Road, Muzaffarnagar	15.03.2018	Pulp & Paper	Closed	
96	M/s Magma Industries Ltd., C-27 UPSIDC Industrial Area, Begrajpur, Muzaffarnagar	15.03.2018	Pharmaceutical	1. The sample collected from the ETP outlet has been given for analysis.2. The unit is pharmaceutical unit with an installed capacity of 50 MT/day.3. During the visit it was found operational. 4. The unit has a valid consent for Water and Air valid up to 31.12.19. 5. Unit has obtained a membership certificate from M/s Ramky Enviro. 6. Unit has 2 boiler of 3 TPH and 5 TPH. 7. Oil and grease was observed around the ETP 8. No electromagnetic flow mete installed for water consumption and waste water generation	1. It is suggested to keep good housekeeping in the premises 2. The unit should obtain the authorization under Hazardous and Waste, 2016. 3. Electromagnetic flow meter installed at discharge line measures only flow rate and hence suggested to install flow meter which can measure cumulative flow.
97	M/s. Ravi Organics Ltd., Begrajpur, Muzaffarnagar	13.04.2018	Chemical	CLOSED	CLOSED
98	M/s. Gulshan Polyoles Ltd., Jansath Road, Muzaffarnagar	13.04.2018	Chemical	During inspection, Unit was found operational. Algae/scum was also observed in clarifier. Sample was collected from discharge outlet and results are complying prescribed norms.	NIL
99	M/s. Al-Noor Exports, Jansath Road, Muzaffarnagar	12.04.2018	Sloughter House	During inspection, Unit was found operational Sample was collected from discharge outlet and results are complying prescribed norms	NIL
100	M/s Parijat Paper Mill, Bhopa Road, Muzaffarnagar	13.04.2018	Pulp & Paper	During inspection, Unit was found operational Unit representative informed that Gobar (Cow dung) is being used for maintaining MLSS. Sample was collected from outlet of tertiary system and results are not complying prescribed norms.	NIL
101	M/s. H.J. Tannery, 9th Km, Jansath Road, Muzaffarnagar	13.04.2018	Tannery	During inspection, Unit was found non –operational but some processed hides were found hanging inside premised. ETP was non functional but discharge outlet was not dry which indicate bypass of effluent. Ground water Sample was collected from tube well inside tannery and results are complying prescribed norms.	NIL

102	M/s Nikita Papers P.Ltd., C-10, Ind.Estate, Panipat road, Shamli	12.04.2018	Pulp & Paper	The representative of unit has reported that unit was operating ZLD system and using treated effluent in process. During inspection, Unit was found operational Sample was collected from outlet of tertiary system and results are complying prescribed norms. Major issue found in unit was sludge disposal as it was openly dumped in back side of mill premises.	NIL
103	M/s.Maruti Papers Pvt.Ltd., Village Sikka, Shamli	12.04.2018	Pulp & Paper	The representative of unit has reported that unit was operating ZLD system and using treated effluent in process. During inspection, Unit was found operational where as ETPs units; Primary clarifier found non- operational and whereas aeration basin was functioning and re-circulating water from same tank. No overflow was observed in secondary clarifier. Probe of OCMS were immersed in final collecting tank and algae/scum was also observed in tank . Sample was collected from outlet of tertiary system (MGF) and results are complying prescribed norms. As stated earlier, primary clarifier was non operational, no overflow was observed in secondary clarifier .So, there is possibility of bypassing of effluent from sedi cell and unit was not achieving ZLD.	It is recommended that unit shall made primary and secondary clarifier fully operational and lift treated effluent from final collecting tank.
104	M/S Upper Doab Sugar Mill Shamli	06.04.2018	Sugar	The unit is complying with the effluent standards.	The online monitoring device showing the results of pH, TSS, BOD & COD should be rectified immediately
105	M/s Bajaj Hindustan Ltd. Thanabhawan, Muzaffarnagar	07.04.2018	Sugar	The unit found complying with the effluent standards.	Sludge drying bed leaks need to be repaired immediately . Filtered water of sludge drying bed observed in storm water drain through it was found blocked
106	Shamli distillery & Chemical works , Shamli	06.04.2018	Distillery	ZLD unit. No violation observed regrading treatment and management of effluent.	NIL

107	M/s NTPC Ltd, Dadri, Gauthambuddh nagar	05.04.2018	Thermal Power Plant	There are 06 Nos of coal based units (4 X 210 MW and 2 X 490 MW) and 829 MW Gas based power plant and 5 MW solar power plant is installed at NTPC Dadri. The provision of effluent discharge is through drains linked to Effluent Quality Monitoring Station – 1 (EQMS-1) and Effluent Quality Monitoring Station 2 (EQMS-2). EQMS-1: coal based units (4 X 210 MW), cooling tower blow down effluent after treatment in Neutralization Pit is conveyed in EQMS 1 drain and finally discharged to Hasanpur drain which ultimately meets to Hindon. It is informed by NTPC that scheme is under implementation to complete reuse of treated effluent inside plant premises. For St-2 Coal based and Gas plant units, all effluent including cooling water blow down & boiler blow down is treated in ETP with capacity of 450 m3 /hr and after treatment effluent is reused as service water in bottom ash disposal system, fugitive dust control in Coal Handling area, Ash Handling Area and Ash Mound (ash storage) area and gardening activities. During Inspection no significant flow of treated effluent was observed in EQMS 2 drain, hence Online Monitoring data was also not found operational .The Unit Informed that major quantity of industrial effluent is being recycled and reused after treatment. Cooling tower and Boiler Blow down was not found discharged during inspection as it was informed that boiler blow down is being done on requirement basis which is depends on boiler water quality and cooling tower blow down is done after certain period of interval . Free chloride was tested by adding 05 drops of reagent & no chlorine was deleted, as Chlorination was also not being done at the time of inspection. Water meter at borewell not installed and no Log book for Bore well water is maintained.	Water meter at Borewell need to be installed log book need to be maintained. The Stage 1 effluent should be treated in ETP before discharged to the Hasanpur Drain.
108	M/s Co-operative Co. Ltd., Tapri, Saharanpur (Distillery closed, Botteling In Operation)	09.04.2018	Distillery	M/s Cooperative company Ltd have two sections i) distillery &ii) Bottling esections , CPCB vide letter dated 15/01/2018 has enquired regd these two sections (i) Distillery section:- Found closed due to its own reasons since 1/7/2017 & 5/4 /2018 are enclose regaqrding closure of the distillery (ii) Bottling plant :- Bottling of liquor was found operational for which consent was granted from UPPCB and was valid upto 2016 further unit has applied for consent on 5/4/2018 & operating without consent.	Bottling plant should not be operated without obtaining consent from UPPCB
109	M/S U.P Coperative Sugar Factories Fedreation Ltd. Nanawta Distillery Unit , Nanauta , Saharanpur	09.04.2018	Distillery	No sample was colleced as unit was closed since 22/4/2017 till date due to non compliance of ZLD . Copy of letter daed 9.4.2018 of Assist Commissioner , U.P Excise enclosed regd closure of unit	To comply with action plan for achieving ZLD
110	Bajaj Hindustan Ltd. Distillary Unit Gangnoli	10.04.2018	Distillery	Nil	Sludge drying bed leaks need to be repaired immediately

111	The Kisan Sahakari Chini Mill, Nanouta, sahranpur UP	11-04-2018	Sugar	Lab analysis result of samples (awaited)	1. Inlet has V-notch or no flow meter. Therefore flow meter should be installed. 2. Oil & grease tank should be installed. 3. NOC from CGWA under process. 4. Authorization for hazard waste should be taken from UPPCB. 5. Reuse of lagoon water was done in mode of irrigation to the field behind the industrial premises. 6. Due to wall leakage from the spray pond water was discharged to outside of the premises, which should be sealed permanently. 7. The inlet wall should build so that during the excess discharge the effluent should not divert its path to the industrial premises. 8. There is a Nalla which is from the industries diverted from inlet which is already closed. But from the boundary wall it should sealed properly. So that there will be no discharge to Bhaneda Nalla which is connected to Krishni Nadi (2.5 Km away from Bhaneda Nalla. Krishni Nadi meets Hindon.
112	Daya Sugar Gagalheri, Saharanpur, U.P	10-04-2018	Sugar	Lab analysis result of samples (awaited)	1. Inlet has no v-notch or flow meter. Thereefor should be installed. 2. Outlet has no flow meter and v-notch was not installed properly at the time of visit. There was leakage at v-notch. Therefore flow meter should be installed. 3. Flow meter should be installed at bore wells too. 4. OCEMS should be installed. 5. Oil & Grease tank should be installed. 6. NOC from CGWA should take.7. reuse of lagoon water should be done in mode of irrigation or process use.
113	Triveni Engg. & Industires Ltd., Deoband, saharanpur, U.P	10-04-2018	Sugar	Lab analysis result of samples (awaited)	1. Inlet has no flow meter. Therefore flow meter should be installed before equalization tank at inlet. 2. Reuse of lagoon water should be done in mode of irrigation or process use.' 3. There is a Nalla (Deoband Nalla) crossing side by the ETP premises. An outlet linked to that Nalla was blocked temporarily at the time of inspection. And untreated water was pumped out from that place to ETP equilizatiion chamber. But there is a possibility of discharging of untreated water to Deoband Nalla. Therefore, it should be closed permanently, which is temporarily connected to Nalla.
114	Bajaj Hindustan Sugar Ltd., Gangoli Saharanpur, U.P	10-04-2018	Sugar	Lab analysis result of samples (awaited)	1. Inlet has v-notch but no flow meter. Therefore flow meter should be installed. 2. Oil & grease tank should be installed before equalization tank. 3. Sewage drain (without any STP) is situated inside the ETP premises which make a chance of discharge of untreated water which finally met to Hindon via Bajaj drain. 4. At the time of visit discharge of treated water was done to lagoon. Flow meter should be installed at lagoon too. 5. Reuse of lagoon water should be done in mode of irrigation or process use.

115	Star Paper Mill , Saharanpur	06.03.2018	Pulp & Paper	As per analysis report the Parameters pH(7.03), TSS(23mg/l), COD(132mg/l), and BOD(12mg/l) are complying the standard. ETP was in operational On line monitoring system was instaaled and opeartional.	NIL
116	Plaza Paper P.Ltd. Saharanpur	06.03.2018	Pulp & Paper	CLOSED	CLOSED
117	Rainbow Board Mill, (Unit Kraft Paper) Saharanpur	06.03.2018	Pulp & Paper	CLOSED	NIL
118	Swaroop Paper (P) Ltd. Saharanpur	06.03.2018	Pulp & Paper	CLOSED	NIL
119	Hindon Filter (P) Ltd. Saharanpurr	06.03.2018	Pulp & Paper	ETP unit not in operation	Nil
120	Nagar Nigam Pashuvadhshala, Saharanpur	06.03.2018	Sloughter House	As per analysis report the parameters BOD (05mg/l),TSS(15mg/l) and Oil & Grease (02mg/l) are compling the satandard. ETP was in operational On line monitoring system was instaaled and not in opeartional during the visit Flow meter was installed and not in operational	NIL
121	A.L. M. Industries (Slaughter House), 43, Qutab Market, Near Qutab Sher Thana, ambala Road, Saharanpur	15.03.2018	Sloughter House	Sludge is being discharged on own land for manure preparation which is used by villagers	Nil
122	A.L.M. Industries (Meat Processing Unit) , 43, Qutab Market, Near Qutab Sher Thana, ambala Road, Saharanpur	15.03.2018	Sloughter House	NIL	NIL
123	J.J. Textile, Textile, Mahipura Road, Near MS College, Janta Road, Saharanpur	15.03.2018	Textile & Dyeing	ETP placed at separately, opposite to the industry. Industry not operational during visit due to labor problem	Nil
124	Durga Textile, Mahipura Road, Near MS College, Janta Road, Saharanpur	15.03.2018	Textile & Dyeing	NIL	Nil
125	Garg Dyeing, 47 Kamdhenu Complexd, Saharanpur	15.03.2018	Textile & Dyeing	closed	closed
126	Arora Hoiesery, Janta Road, Saharanpur	15.03.2018	Textile & Dyeing	Not in operation	Not in operation
127	Deep Industries Delhi Road, I.E., Delhi Road, Saharanpur	07.03.2018	Textile & Dyeing	During the time of inspection the industry was in operation but ETP was shutdown last one month. Industry is discharging the untreated effluent into the drain is a violation. The final treated effluent water, all the parameters are well within the limit except Sulphide(as S)=3.34	Nil
128	Atul Textile Industried Ltd., Shakumabari, Behat Road, Saharanpur	07.03.2018	Textile & Dyeing	The effluent colour was blue and it was discharged into the drain There is no functioning of sand filter and activated charcoal system There is one drain was found in industry by which untreated effluent is bypassing (Bleached water). The final treated effluent water is exceeding the prescribed the limits for the following parameters: TSS = 127, BOD = 65, Oil & Grease = 13,	Nil
129	M/s Siddhartha Textile, Aziz colony, Chilkana Road, Saharanpur	07.03.2018	Textile & Dyeing	Industry was in operation.The final treated effluent water is exceeding the prescribed the limits for the following parameters: TSS = 151, BOD = 303,O&G=19, Color(Hazen) = 844,COD = 790 Sulphide(as S)=16.47. The industry ETP is not in operation effectively and it is not complying the standard limit.	Nil
130	M/s Saharanpur Wooles Ltd., Delhi Raod, Saharanpur	07.03.2018	Textile & Dyeing	During the time of inspection the industry was not in operation and water sample has not collected.	Nil

131	M/s Shalimar Cotton Dyeing, Saharanpur Behat Road, Rasulpur, Saharanpur	07.03.2018	Textile & Dyeing	During the time of inspection the industry was not in operation and water sample has not collected due to the Holi festival holidays and labour issues ETP was not in operation, untreated effluent bypassed to the agriculture field	Nil
132	M/s S.M.C. Foods Ltd. Nnauta, Saharanpur	07.03.2018	Dairy	During the time of inspection the industry was in operation with full capacity. Status of Installation & Operation of Continuous Online Emission Monitoring System at the outlet of ETP was working satisfactory. Treated effluent parameters are well within the standard limits and it is complying	Nil
133	M/s Pashupati Dairy (P) Ltd. Village Kumharhera, Dehradun Road, Saharanpur	17.04.2018	Dairy	At the time of visit, unit was in operation. As informed by the management, he plant shut down since yesterday due to amaavasyaa. Clean and hygienic environment was observed. ETP was operational The analysis results show inlet (PD1PC) parameters of BOD (123mg/lt), COD (296mg/lt) and TDS (196mg/lt) were reduced to outlet (PD2PC) parameters of BOD (05mg/lt), COD (32mg/lt) and TDS (26mg/lt). The groundwater sample (PD3GW) have shown sulfate (27mg/Lt) and fluride (0.3 mg/lt). The heavy metal contents of inlet (PD1HM)Fe (1,25mg/lt), Cu, (0.02mg/lt), and Zn(0.16mg/Lt).. Other metals were not detectable. The heavy metal contents of outlet (PD2HM) Fe (0.12mg/lt) and Mn (0.01mg/lt). Other metals were not detectable. The heavy metal contents of groundwater (PD3GW) shows Mn (0.29mg/lt) only. Other metals were not detectable.	The unit is working adequately. Treated effluent should be utilized at the most. Maintain clean- and green environment.
134	Shree Krishna Board Mill Dehradun Road, Saharanpur	17.04.2018	Pulp & Paper	At the time of inspection, it was in operation. It was observed as temporary arrangement. No solid industrial looks it wore. Most of the operators were villagers. Skill labors/managers were lacking. Neither they applied for consent nor they had idea for it. Even treatment facility was also very rudimentary. As such, maximum water is used and recycled within premises. Documents etc. were lacking. The influent (KP1PC) shows high TSS (4114mg/l), COD (1848 mg/l) and BOD (596 mg/l), which was reduced to certain extent in the treated effluent (TSS: 1347mg/l, COD: 395mg/l and BOD: 164mg/l). It has high Fe content 5.38 mg/l). In the groundwater sample, only traces of Zn was observed otherwise other metals were below detectable ranges. The F and So4 were also detected in the groundwater samples ( ).4 and 16mg/l respectively).	Since it was unique case of industry operation, owner was advised to have proper shade to run the unit, apply to obtain valid consent and maintain proper record.
135	Mahaveer Hand Made Paper & Board Mill	17.04.2018	Pulp & Paper	Factory sold and land transferred to Builders and cheap plots were available for sale	
136	Shankar Board Mill Saharanpur	18.04.2018	Pulp & Paper	At the time of inspection, it was closed	
137	M/s Parmal Paper Ltd., Saharanpur	17.04.2018	Pulp & Paper		
138	Rainbow (P) Ltd. Mills Saharanpur	17.04.2018	Pulp & Paper	At the date of inspection, it was observed closed	
139	Saharanpur Paper Board Mill, Village- Majri, Dehradun Road, Saharanpur	04.04.2018	Pulp & Paper	Sample not taken as industry is not in operation	Nil
140	Majri Gramodhyod Sansthan, Village- Majri, Dehradun Road, Saharanpur	04.04.2018	Pulp & Paper	Sample not taken as industry is not in operation	Nil
141	M/s Jagadamba Gramodyog Sansthan Name changed to M/s Laxmi Associates, Chhagpura, Deharadun Road, Sharanpur.	04.04.2018	Pulp & Paper	Sample not taken as industry is not in operation	Nil
142	M/s Jayna Gramodyaog Sansthan, Gagalheri Name changed to M/s Ekta Gramodyog Sansthan, Gagalheri.	04.04.2018	Pulp & Paper	Sample not taken as industry is not in operation	Nil
143	M/s Tiwaya File Board Mill, Nawada Road, Saharanpur	04.04.2018	Pulp & Paper	Sample not taken as industry is not in operation	Nil
144	M/s Star Gramodyaog Sansthan, Manakmau,	05.04.2018	Pulp & Paper	Closed	Closed

145	Janhit Gramodhyog Sansthan Dehradun Road, Saharanpur	05.03.2018	Pulp & Paper	Closed	Closed
146	M/s Sufi Pulp & Paper Gramodhyog Sansthan, Gagalheri, Saharanpur	05.03.2018	Pulp & Paper	Closed	Closed
147	M/s Balaji Wire Pvt. Ltd., 139·A, Anand Industrial Estate Mohan Nagar, Gzb.	07.03.2018	Engg., Iron and Steel & Metal Industries	Analysis of ETP effluent after treatment arranged by the industry shows that pH, TSS, BOD, COD and oil & grease is within the range as per CPCB standards.	Nil
148	M/s Bansal Wire high Corbon Pvt.ltd., 120-126, Anand Ind. Estate Mohan Nagar Gzb.	06.03.2018	Engg., Iron and Steel & Metal Industries	Nil	Nil
149	M/s Jai Durge Metalizing, 67, Anand Ind. Estate Mohan Nagar Gzb.	08.03.2018	Others	Closed	Closed
150	Sarasati Bangle Udyog, 29, Anand Industrial Estate Mohan Nagar,Gzb.	08.03.2018	Others	Closed	Closed
151	Mohan Meakins Ltd., Mohan Nagar, Ghaziabad	08.03.2018	Distillery	The ETP was running efficiently, the OCEMs was also installed and was being calibrated regularly the results of the samples were also found within the limit.	No Action is required
152	Yadav Industries, 7, Anand Ind.Estate Mohan Nagar Gzb	08.03.2018	Engg., Iron and Steel & Metal Industries	Industry non existing at the given address	Industry non existing at the given address
153	A.B.Cycle Parts Pvt. Ltd., S-24, South Side of G. T. Road, Gzb.	08.03.2018	Engg., Iron and Steel & Metal Industries	The ETP was inadequate, as also shown in the analysis results; TSS, Chromium Hexavalent, Total Chromium, Iron and Zinc were found exceeding the limit.	The State board may ensure the complete installation and proper functioning of ETP to bring the effluent within the limits.
154	A.C.E. Hardware Pvt. Ltd., E-21 & 22, Kavinagar Ind. Area Gzb.	13.03.2018	Engg., Iron and Steel & Metal Industries	Only assembly, packaging and ware housing.	No Action is required
155	A.S.T. Pipes, B-33, BS Road Ind. Area, Gzb.	13.03.2018	Engg., Iron and Steel & Metal Industries	Closed	Closed
156	Amit Textiles, 5-32, SS of GT Road	13.03.2018	Textile & Dyeing	Closed	Closed
157	Amko Export, A-1, B.S. Road Ind.Area, Gzb.	13.03.2018	Textile & Dyeing	During visit ETP outlet samples was collected. The analysis reports (Annexure-A) reveals that, O&G and pH are exceeded and other parameters compliance with the prescribed general discharge standards.	Not Mentioned
158	Amrit Foods, Amrit Nagar, G.T. Road East Gzb.	12.04.2018	Dairy	AT the time of visit plant was in operation. Effluent treatment plant was in operation. Treated effluent dsicharge into domestic sewer line. During visit ETP outlet samples were collected. The parameter analysed comply with the prescribed general discharge standards.	Not Mentioned
159	Balaji Engineering Works, 351, Pandav Nagar, Gzb.	11.04.2018	Electroplating, Phosphating & Galvanizing	At the time of visit plant was in operation. Effluent treatment plant was in operation. Treated effluent reuse in the industrial process. During visit ETP outlet samples were collected. The parameter analysed comply with the prescribed general dsicharge standards.	Not Mentioned
160	Balaji Enterprises, B-22/1/15, B.S.Road Ind. Area Gzb.	13.03.2018	Electroplating, Phosphating & Galvanizing	COD and BOD are higher side but The analysis reports reveals that, compliance with the prescribed general discharge standards. Hand pump water collected near industry reveals that, Fe is exceeding but other parameters compliance with the prescribed drinking water standard.	Not Mentioned

161	Continental Carbon India ltd., A·14, SS of G.T. Road Gzb.	11.04.2018	Chemical	At the time of visit the pant was in operation however there was no production. Since the plant was not in operation from 4/1/18 to 27/3/18. Effluent treatment plant was not in operation due to power failure. Treated effluent reuse for gardening and road washing purpose. During visit ETP outlet samples were collected. The parameter analysed comply with the prescribed general dsicharge standards.	Not Mentioned
162	Elin Electonics Ltd., C-142-144, BS Road, Industrial Area, Gzb.	13.03.2018	Electrical & Electronics	The analysis reports (Annexure-VII) reveals that, Fe is exceeded and other parameters compliance with the prescribed general discharge standards.	Not Mentioned
163	Indian Textiles Co., E-49, B.S. Road, Gzb.	09.03.2018	Textile & Dyeing	Ph, BOD, TSS are exeeding the prescribes standards (dye and dye inddustry standards).ETP sludge disposed of through Bharat Oil. Housekeeping is poor ETP equipments needs to be augmented. Treated waste discharged into drain. Unit is involved in washing and dyeing process.	
164	J.D.M. Enterprises, C-223/1, BS Road Ind. Area Gzb.	12.03.2018	Electroplating, Phosphating & Galvanizing	Unit is complying with electroplating standards. Unit was in operation during the visit. No display board is provided. No OCEMS is installed at thr ETP. Unit is not using existing borewell and using purchased water in their process.	
165	Karam Chandra Chains Ltd., C-229, BS Road Ind.Area Gzb.	09.03.2018	Engg., Iron and Steel & Metal Industries	pH is exceeding the prescribed limit (general discharge standards)	
166	Karam Chandra Rubber Pvt. Ltd., C- 230 B5 Road Ind. Area Gzb.	09.03.2018	Engg., Iron and Steel & Metal Industries	TSS in exceeding prescribed limits.	
167	Kashyap Organics Pvt. Ltd., C-172, B.S. Road Ind. Area Gzb.	09.03.2018	Chemical	Not Applicable	
168	lion Cycle & Rikshaw Industries, E·l0, B.S. Road Ind. Area Gzb.	12.03.2018	Engg., Iron and Steel & Metal Industries	1. Unit was involved in process of electroplating. (finished and unfinished) which is closed since sept 2017. New unit is only involved in fabrication of unfinished mudguard. One borewell found at IMP capacity which was found sealed in the matter of OA no. 190 of 2016. No industrial effluent is being generated.	
169	Malik Nidles & Allied Products, C-108, BS Road Ind. Area Gzb.	11.04.2018	Engg., Iron and Steel & Metal Industries	ETP is under maintenaince, sludge being removed 2. The dry porcess of manufacturing needles from wire is in operation.	A show cause notice to be issued to the industry to stop its dry manufacturing process immediately and submit the operational status of ETP.
170	Manav Braveries Pvt. Ltd., C-128, BS Road Ind.area Gzb.	03.04.2018	Distillery	Industry was reported close since five years as reported by the security guard	Industry found closed fully no action required.
171	Nip Man Fastners India Pvt. ltd., C- 197, BS Road Ind. area Gzb.	03.04.2018	Engg., Iron and Steel & Metal Industries	Industry not operational 2. No sample collected as manufacturing is siezed	Nothing specific as the industry found closed fully.
172	Northern India Cyco parts, E-2, SS of GT Road Gzb.	11.04.2018	Engg., Iron and Steel & Metal Industries	pH, cynaide and iron are exceeding the limits	Closer notice is to be issued to the industry to stop its manufacturing process immediately till the discharge of ETP meets the standard limits 2) The housekeeping of the ETP needs to be improved
173	Progressive Tools & Component Pvt.Ltd. C-222, B.S. Road Ind. Area , Gzb	03.04.2018	Automobile	1. The industry is operating without valid consent.	1. Closure notice to be issued to the industry to stop its manufacturing process immediately.
174	S.S.Enterprises, 363, Pandav Nagar Mahrauli Gzb.	11.04.2018	Electroplating, Phosphating & Galvanizing	Treated effluent is recycled for use in process, no discharge observed ETP working. Suspended Solid is exceeding the limits.	1. No specific action is required as unit is very small and used its treated effluent in house in the process.

175	M/s Shakshi Metals Works, D-1A, Kavi Nagar Industrial Area, Sec-7, Ghaziabad	12.03.2018	Electroplating, Phosphating & Galvanizing	• The unit have valid CtO under Water & Air Acts, however, unit doesn't have valid HW authorization. • The unit is operating in batch wise operation. • ETP was operational mode, however, no electromagnetic flow meter was found installed. • Electromagnetic flow meter was not installed for withdrawal of groundwater. • Overall housekeeping is unsatisfactory in and around the plant premises including process area. • ETP treated water is discharged through drain.	• The unit should obtain valid HW authorization for disposal of Sludge generated from ETP in authorized TSDF.Till obtain valid HW authorizations, unit shall issue show cause notice. • ETP treated water should not be discharged through open drain, if applicable for ZLD. • The unit should install electromagnetic flow meter for withdrawal of groundwater, so as to maintain the record of usage of water for domestic and industrial purposes. There is also need of installation of such flow meter at the inlet and out let point of ETP. • The unit shall maintain housekeeping in plant premises including process area
176	M/S Shanti Nath Manufactures ,, A-2/4, E-block, Kavi Nagar Industrial Area, Ghaziabad, U.P.	12.03.2018	Electroplating, Phosphating & Galvanizing	• The unit have valid CtO under Water & Air Acts, however, unit doesn't have valid HW authorization. • The unit is operating in batch wise operation. • ETP was operational mode, however, no electromagnetic flow meter was found installed. • Electromagnetic flow meter was not installed for withdrawal of groundwater. • Overall housekeeping is unsatisfactory in and around the plant premises including process area. • ETP treated water is discharged through drain.	• The unit should obtain valid HW authorization for disposal of Sludge generated from ETP in authorized TSDF.Till obtain valid HW authorizations, unit shall issue show cause notice. • ETP treated water should not be discharged through open drain, if applicable for ZLD. • The unit should install electromagnetic flow meter for withdrawal of groundwater, so as to maintain the record of usage of water for domestic and industrial purposes. There is also need of installation of such flow meter at the inlet and out let point of ETP. • The unit shall maintain housekeeping in plant premises including process area
177	M/S Sara Exports Ltd, Plot no 35/1, 36 south slide, G.T. Road, Industrial area, Ghaziabad	11.04.2018	Pharmaceutical	• The unit have valid HW authorization. However, doesn't have not valid CtO under Water & Air Acts. • Electromagnetic flow meter was installed for withdrawal of groundwater for industrial as well as domestic purposes. However, no electromagnetic flow meter was found installed at outlet of ETP. • Online monitoring system was working partially i.e. for pH and Temperature and whereas for other parameters was under maintenance. • Analysis result of ETP treated effluent for notified parameters are within the general standard for discharge on inland surface water (analysis results given at Annexure-I). • Housekeeping is unsatisfactory at ETP area	1. The unit should obtain Cto under water and Air actsTill obtain Valid Cto,unit shall be closed or show cause notice may be issued. 2. The unit shall install electromagnetic flow meter at outlet of ETP. 3)The unit should reuse the ETP treated water upon meeting stipulated limits, as applicable for ZLD. 2. Online CEMS should be linked to CPCB. 3. The unit should improve the housekeeping in and around the plant premises including process area.
178	M/s Shivam Engineering and fabrication, A -282, south side, G.T. Road Industrial area, Ghaziabad	11.04.2018	Electroplating, Phosphating & Galvanizing	• The unit have valid CtO under Water & Air Acts and HW authorization. ETP was in operational mode, therfore not collected. Electromagnetic flow meter was installed for withdrawal of ground water and the same was found damaged. However, electromagnetic flow meter was found installed at outlet of ETP. Overall housekeeping is unsatisfactory in and around the plant premises including process area.	The unit shall re-install electromagnetic flow meter for withdrawal of groundwater which was found damaged. Also, install electromagnetic flow meter at outlet of ETP.Etp should be in opeational mode and treated effluent shall not discharge through open drain, if applicable for ZLD. ETP shall be in operational mode and treated water should not be discharged through open drain, if applicable for ZLD. The unit should improve the housekeeping in and around the plant premises including process area.

179	M/s Shri Guru Kripa Industries, E-25, south side, Industrial area, G.T. Road, Ghaziabad, U.P.	11.04.2018	Electroplating, Phosphating & Galvanizing	• The unit doesn't have valid CtO under Water & Air Acts and HW authorization. ETP outlet sample could not be collected as ETP was not in operation mode.ETP treated water is discharged to open drain and sludge generated from ETP are sold to local detergent making dealers.. Overall housekeeping is unsatisfactory in and around the plant premises including process area.	• The unit should have valid Consent to operation under Water & Air acts and HW authorization for disposal of Sludge generated from ETP in authorized TSDF.Till obtain valid HW authorizations, unit shall issue show cause notice. • ETP should be in operational mode and treated water should not be discharged through open drain, if applicable for ZLD. • ETP sludge should be analysed & characterised before selling to third party for the purpose of detregent making. The unit shall maintain housekeeping in plant premises including process area.T
180	M/s Suruchi Dyeing Udyog Pvt Ltd 37, South side Industrial area, NH 24, Ghaziabad	11.04.2018	Textile & Dyeing	The unit have Valid Cto under Water &Air Acts and HW authorization. The unit was found not in operational mode. ETP system was dismantled, therfore samples could not be collected unit operator informed that treated effluent was used for agricultural purposes.	ETP should be reconstructed prior to resuming the plant in operation. Treated effluent shall be analysed 7 characteriszed prior to utilizing in agricultural purposes.
181	M/s Tarun International C-15, SS of GT road, Ghaziabad	05.04.2018	Engg., Iron and Steel & Metal Industries	Hg content in ground water exceed to the permissible limit, whereas oil & Grease limit in waste water discharge also exceed to the prescribed limit	the unit is advised to install ETP immediately meanwhile closure notice may be issued as no ETP installation is present and discharging wastewater directly nto local drain.
182	M/s Vimal Organics Pvt Ltd, D-35BS Road, Industrial area, Ghaziabad	05.04.2018	Others	The unit closed since 2012. At the time of the visit no industrial activity observed instead the plant was under dismantling process using gas cutters to cut and dismantling the unit and sold them in scrap.	Non working/Existing industry status to update in the record pl
183	M/s Al Nafees Frozen Foods Export, Hapur Rd. Dasna Ghaziabad	06.04.2018	Sloughter House	The unit is having valid consent upto 31.12.19 under Water & Air Act. No animal were found in the premises of the unit at the time of viist but ETP was operative. On asking we were told that production is voluntarily stopped.Hg value is exceeding in hand pump water with permissible limits.	Industry is having valid consent upto 31.12.19. However it is a matter of concern that why production is voluntarily stopped at the time of visit and how ground water is contaminated with Hg in the area.
184	M/s Al-Naseer Export Pvt. Ltd., Khasara no 2761 & 2762 ViII- Bhoorgarhi Dasna , Ghaziabad	06.04.2018	Sloughter House	The unit is having valid consent upto 31.12.19 under Water & Air Act. No animal were found in the premises of the unit at the time of visit but ETP was operative. On asking we were told that production is voluntarily stopped. TSS value exceeding in waste water from permissible limit	Industry is having valid consent upto 31.12.19.However, industry owner may ask to control TSS value in their effluent water.
185	M/s Eagle Continental foods pvt ltd, Dasna Ghaziabad (Sealed by GDA)	05.04.2018	Sloughter House	At the time of visit no animal were found in the premises of the unit and team were not allowed to cross the cordoned ribbon made as seal area by GDA. The industry sealed by GDA on dated 5.2.18 even STP also sealed. Hg value is exceeding in bore well water with permissible limits.	Industry already closed and sealed by GDA. However it is a matter of concern that how ground water is contaminated with Hg in the area.
186	M/s Exclusive leathers, Khasara No, 2751, Bhoorgarhi Dasna , Ghaziabad	06.04.2018	Tannery	1. No information having about the valid consent under water and Air Act, with the industry, as at the time of visit no concerned person was available in the unit. 2. At the time of visit unit was operative and ETP also found operative. Sample were collected from ETP out let as well as Ground water also collected, for analysis in CPCB Laboratory. 3. BOD &TSS value exceeding in Waste-Water from the permissible limit.	No information about valid consent under Water and Air Act with the industry. Sample collected and get analyzed in CPCB Laboratory and found that BOD value is 17 Times more than the prescribed limit of 30mg/L, TSS is also exceeding with the prescribed limit of 100mg/L.

187	Futuro Component Pvt. Ltd., koshilya road Hindon River, Dasna, Ghaziabad	13.03.2018	Electroplating, Phosphating & Galvanizing	ETP is operated intermittently i.e. in batch mode as and when reused. The unit has provided single sludge drying bed for sludge dewatering and drying which will facilitate only dewatering and not drying. The unit was found complying notified effluent standards for all parameters except for Fe : 4.72 mg/l (Std 3 mg/l). Analysis result enclosed. The unit has maintained records of daily chemical consumed for effluent treatment.	The unit shall optimize chemical dozing for removal of iron from the effluent and therefore to meet the notified standard. The unit shall make partition in sludge drying beds so that these can be alternatively used for sludge dewatering as well as drying. The unit shall install flow meter at ETP outlet so as to quantify daily quantity of effluent treated in ETP and further maintain daily records.
188	M/s International agro Foods (Integrated slaughter House) Plot no. 2764 - 2766, Bhurgardi, Dasna, Distt. Ghaziabad Uttar Pradesh	08.03.2018	Sloughter House	Unit was found complying with the prescribed norms (analysis results annexed). There is variation between the Online Continuous Effluent Monitoring System (OCEMS) reading and laboratory results.	1.Unit shall provide additional sludge handling facility. 2. Unit shall carry out proper calibration of the OCEMS at regular interval so as to obtain continuous accurate results.
189	M/s Karan Frozen Foods, Plot No. 2770, 2772, Burgadi, Dasna, Ghaziabad	08.03.2018	Sloughter House	Unit not in operation during the visit. Plant not operated since last 2 months as informed by Unit's representative.	Unit not in operation since last 2 months. Unit shall be re-inspected to check compliance once it re-start operation.
190	M.D.Frogen Foods Export, Vill- Bhoorearhi Dasna Ghaziabad. (Since August 2017)	08.03.2018	Sloughter House	Unit not in operation since august 2017. Needs to carry out major repair works in ETP.	Poor maintenance of ETP observed since it is closed from August 2017. Accordingly, the Unit shall carry out necessary repair works in ETP and submit report to UPPCB. UPPCB shall only after verification of repair works allow the Unit to operate.
191	M/s Shree Ganga Paper Mills Pvt. Ltd. Bhurgadi, Dasna, Hapur Road, Ghaziabad, UP	13.03.2018	Pulp & Paper	ETP used for recycle of excess flow of shaddy shell back to pulper. Flow meter not installed for quantification of water reused in the process. No effluent discharge observed from the ETP and entire quantity is recycled to the process. Boiler ash found stored in open resulting in re-suspension to the environment. Analysis results of water reused by unit is enclosed.	Flow meter to be installed for quantification of water reused in the process. The unit shall get water and material balance audit done from expert institute such as CPPRI/IIT/NEERI and submit report certifying ZLD status of the unit to UPPCB and CPCB. Unit shall provide camera in the ETP area for checking recycling of water back to the process. Boiler Ash shall be stored in proper covered area for temporary storage before disposal.
192	M/s Triyash Enterprises, Khasra no-2751, Village-Bhoorgarhi Dosna, Ghaziabad	26.04.2018	Tannery	ETP not operational at the time Inspectional, started during the Inspection and samples were collected. Analysis results of ETP Outlet samples shows exceedance to the limits specified for the parameters BOD & Sodium.	Regular functioning & operation of ETP should be ensured.
193	M/s U.P. Board & Container Pvt. Ltd., Dasna Ghaziabad	08.03.2018	Pulp & Paper	Closed	Closed

194	M/s Devtara Industries, Meerut Road Duhai Muradnaaar Gzb.	08.03.2018	Textile & Dyeing	During inspection samples were collected from the ETP outlet and analysis results indicate that the treated effluent being discharged to the municipal drain exceeds the prescribed standards/consent limit w.r.t pH, COD, BOD, TSS & Color parameters. Even though the unit has provided full-fledged ETP, the analysis result indicates improper operation and lack of maintenance. The effluent from the ETP is discharged to the municipal drain, through a closed underground pipeline of approximately 2 KM length.	1. The unit is not meeting the quality of effluent being discharged in terms of B.O.D & TSS (consented parameter) and other parameters, as per revised standards for textile industries and the unit shall be directed to close down the operations, until the ETP provided is suitably augmented, so as to meet the prescribed standards/limits. 2. The unit shall carry out performance evaluation of the existing ETP through a reputed organization and shall assess the requirement of augmentation of ETP, including addition of biological treatment unit, if required, for meeting the BOD discharge standard. The regular O&M of the ETP shall also be ensured. 2. UPPCB shall keep the unit under strict vigil and regular monitoring may be carried out to ensure compliance.
195	M/s A & A, S-50, Loni Road Ind. Area Site II Mohan Nagar Gzb.	08.03.2018	Textile & Dyeing	During inspection samples were taken from the ETP outlet. Analysis results shows that values of COD, BOD, TDS and Color exceeds the value of prescribed standards/consent limits. The operation of the ETP was not continuous and ETP was operated after the visit of the team for collection of samples. It was evident during the visit that the unit is not properly maintaining the operation of the ETP. The ETP is located at congested area within the processing section and seems inadequate and all ETP units including the sludge collection tanks are also located at this area within the same building. There was no proper approach or terminal manhole for collection of samples. It was evident that he operation of ETP is a neglected area and there were no dedicated/trained staff available for proper O&M of ETP Some of the photographs taken during the visit are given below;	1. The unit is not meeting the quality of effluent being discharged in terms of B.O.D (Consented parameter) and other parameters, as per revised standards for textile industries and shall be directed close down the unit until the ETP provided is suitably augmented and regular O&M of the ETP is ensured. 2. UPPCB shall keep the unit under strict vigil and regular monitoring may be carried out to ensure compliance. 3. Considering that many of such small scale units in the industrial estate has limitation of area, man power etc. and are not able to provide dedicated man power to ensure proper operation of the ETP, as observed during the visit, the possibility of installing a CETP as a joint venture of the industrial units in the industrial area shall be explored.

196	M/s A.N.Fabric (Ex. Name B.K. Enterprises), 5/6, site-2, Loni Road, Gzb.	08.03.2018	Textile & Dyeing	The ETP was found not in operation due to problems in the power supply board. However effluent discharge was observed meeting to the nearby drain and samples were collected at this meeting point. Analysis results shows that values of pH, COD, BOD, TDS and Color exceeds the value of prescribed standards/consent limits. During the visit, it was observed that the ETP was not in operation due to problems in the power supply board to the ETP & it was informed by the unit representative the same is being rectified. The ETP tank was found to be filled with the effluent & discharge of effluents to the nearby drain was observed from the unit & samples were collected from the discharge point. It was evident during the visit that the unit is not properly maintaining the operation of the ETP. The ETP is located at congested area among the processing and seems inadequate. It was evident that he operation of ETP is a neglected area and there were no dedicated/trained staff available for proper O&M of ETP.	1. The unit is not meeting the quality of effluent being discharged in terms of B.O.D & TSS (Consented parameter) and other parameters, as per revised standards for textile industries and the unit shall be immediately directed to close down the operations, until the ETP provided is put into regular operation and suitably augmented so as to meet the prescribed standards/limits. The regular O&M of the ETP shall also be ensured. 2. UPPCB shall keep the unit under strict vigil and regular monitoring may be carried out to ensure compliance. 3. Considering that many of such small scale units in the industrial estate has limitation of area, man power etc. and are not able to provide dedicated man power to ensure proper operation of the ETP, as observed during the visit, the possibility of installing a CETP as a joint venture of the industrial units in the industrial area shall be explored. 4. U.P Jal Nigam shall further examine the higher level of fluoride values found in the hand pump and assess suitability for drinking purposes.
197	M/s Ajay Washing, S-62, Loni Road Ind. Area, Mohan Nagar Gzb. Presently Wall Putty Manufacturing Unit namely M/s Wall Shine is in operation	08.03.2018	Textile & Dyeing	Closed	Closed
198	M/s Alps Industries Ltd., Unit-3, A-2, Loni Road Mohan Nagar Gzb.	08.03.2018	Others	The unit is listed as a textile unit (Pashmina shawl manufacturing) in the list provided for inspection. However the unit is presently carrying out assembling/making of Home furnishing blinds & awnings. (Dry process) The consent from UPPCB under the Water Act also mentions the unit as furnishing blind making unit, without permission for any textile dyeing/washing/bleaching and generation of industrial effluent. Only 8 KLD domestic effluent generations is permitted, as per the Consent order. Raw materials such as metal rods/railings and specialized cloth etc are mainly imported on emand basis. Exact quantity was not available. Unit is operating only dry processes and is presently utilizing water from piped connection for domestic purposes. There is no effluent generation/discharge from present operations, as observed during visit and hence no samples were collected. An old ETP was observed in the unit, the tanks of which were found completely dry.	1. The changes in the operation of the unit shall be recorded and the unit may be considered as a dry process unit at present and the same may be updated in the records. 2. UPPCB shall ensure availability of proper treatment facilities in the event of any process/operation changes in the unit amounting to generation of industrial effluent.
199	M/s Ambica Steels Ltd., plot no. 32 site-2 Loni road Industrail Area Mohan Nagar, Ghaziabad, U.P.	07-03-2018	Engg., Iron and Steel & Metal Industries	Monitoring value of pH shows highly acidic effluent, which is being used for horticulture after treatment. Other paramenters are within the limits. Housekeeping was good.	The unit should be asked to clarify reason of high pH effluent.
200	M/s Asha Prints,Ltd., A-5/4, 32 Loni road Mohan Nagar, Ghaziabad, U.P.	08-03-2018	Textile & Dyeing	Units was found complying with the norms Units was not maintaining any logbook for fresh water intake Unit had not installed any flow meter for fresh water intake Housekeeping was good	The unit should install the flow meter on inlet point of fresh water intake.
201	M/s Asha Tanu PrintsLtd., A-5/4 Loni road Mohan Nagar, Ghaziabad, U.P.	08-03-2018	Textile & Dyeing	Unit was operating without any CTO/CTE Housekeeping was very poor.	Unit should be issued closure direction

202	M/s Bansal Wire Industries Ltd, B-3, Loni road, Mohan Nagar, Ghaziabad, U.P.	07-03-2018	Engg., Iron and Steel & Metal Industries	Monitored value of pH shows highly acidic effluent, Other paramenters were within the limits. Housekeeping was good.	1. The unit should be asked to clarify reason of high pH effluent. 2. The unit should install the flow meter on inlet point of water intake. 3. The unit should maintain logbook for fresh water utilisation.
203	M/s Bansal Wire Industries unit-III Ltd, B 5-6, Site-2, Loni road Mohan Nagar, Ghaziabad, U.P.	07-03-2018	Engg., Iron and Steel & Metal Industries	Monitored value of pH shows highly acidic effluent, Other paramenters were within the limits. Housekeeping was good.	1. The unit should be asked to clarify reason of high pH effluent. 2. The unit should install the flow meter on inlet point of water intake. 3. The unit should maintain logbook for fresh water utilisation.
204	Harig India Ltd., GT Road Mohan Nagar Gzb.	09-03-2018	Engg., Iron and Steel & Metal Industries	Closed	Closed
205	M/S Kishan lal & Co. 13-A/14 site 2, Loni road,Mohan Nagar Ghaziabad	09.04.2018	Textile & Dyeing		
206	M/s Laxmi Dyeing Pvt LTd	09.04.2018	Textile & Dyeing	The industry is inspected on April 09, 2018 by the officials of CPCB, UPPCB and UPJN. The OCEMS is not installed. ETP is found operational and the sample was collected from the outlet of the ETP. The analysis results indicate the compliance of standard for disposal in drain.	
207	M/S M.G. Electronics Pvt LTd, 6 loni road, Industrial area, Mohan Nagar, Ghaziabad	09.04.2018	Others		Unit operates for 8-10 days a month depending n work.
208	M/S Dyer S102, Loni road, Industrial area, Mohan Nagar, Ghaziabad	09.04.2018	Textile & Dyeing		Industry found closed and premises used as godown
209	M/s M.S.D. Dytex pvt Ltd, 5/2 Loni road, Industrial area, Mohan Nagar Ghaziabad	09.04.2018	Textile & Dyeing		Industry found closed. No person was availble.
210	Mayur prints, 5/8 site -2, loni road Ind Area, Mohan Nagar, Ghaziabad	11.04.2018	Textile & Dyeing	1)The industry does not have the name board on its entry gate.2)The industry was observed closed since 2 weeks. 3) The bore well water is used for both printing and domestic use. 4) The flow meter has not been installed.5) ETP was found not operational since two weeks 6) The used water is discharged to Hindon through drain located in front of industry.	1)The flow meter should be installed to measure ground water consumption. 2) The industry should obtain permission from CGWB. 3) The industry should consult UPPCB for harardous waste 4) The industry should maintain the log book record.
211	Mita Haring India Ltd, GT road, Mohan Nagar, Ghaziabad	11.04.2018	Automobile	The work done by the industry is assembling tractor parts 2) Paint is consumed for work. 3) ETP is not operational due to some repairing/ construction work 3) It uses bore well water for industrial use.4) It uses bore well water for industrial use 5) The flow meter has not been installed. 6) The water is discharged to hindon through drain	1) The flow meter should be installed to measure ground water consumption 2) The industry should obtain permission from CGWB 3) The industry should maintain the log book record.
212	Micro Gartex Industries, C-2, site II, Loni road, Ghaziabad	12.04.2018	Others	The industry has shut down the garment dying process since 3 years 2) It has applied for permission for new work process to SIDC, Kanpur 3) It has not informed UPPCB for approval of new work process. 4) Now it manufactures HDPE granules and plastic dana. 5) The manufactured products are done by using plastic and thermocol. 6) IT uses bore well water for domestic and colling process of plastic product. 7) ETP is not used in this type of industry.	1)The flow mater should be installed to measure ground water consumption. 2)The industry should ontain permission from CGWB.3) the industry should inform the local body a(UPPCB) for the new process. 4) The industry should maintain the log book record.
213	Animesh Graphic Engineers, S-74, Loni road, site II, Ghaziabad but Listed as New colour Fashion & dying, S-74, Loni Road, site 2, Ghaziabad	11.04.2018	Others	1) The industry found at this addree was different from the list given for inspection. 2) The present industry name is Animesh Graphic Engineers and job work is multi-color offset printing. 3) The ETP is not needed in this type of industry 4) A water tap is installed for use of domestic purpose only.	

214	Non Stop Colours, Plot No-3, Loni Road Site-2, Gzb.	06.04.2018	Textile & Dyeing	Based on the Analysis result of final ETP discharged out of 7 parameters, 1 parameter (BOD) was not complying as treated effluent standards as per CPCB guidelines	It is recommended that unit may be directed to take necessary steps to improve the efficiency of Effluent treatment plant so that treated effluent shall comply with the prescribed standards in respect of BOD
215	Om Printers, C-3, Site-2, Loni Road Mohan Nagar Gzb. - Purchased by M/s Ram Avtar, S.R. Prints from M/s Om Printers - Permission of transfer Plot No. C-3, Industrial Area, Site –II, Loni Road, Ghaziabad	12.4.2018	Textile & Dyeing	closed	closed
216	M/s Sun Labtek Equipments Pvt. Ltd. Loni Road Industries Area Ghaziabad was operational instead of Pawan Dyer, S-83 Loni Road Ind. Area Mohan Nagar Ghaziabad	12.04.2018	Textile & Dyeing	Name of industry given in the list as Pawan Dyers at address S-83 was not found. Another industrial unit named SUN LABTEK EQUIPMENTS PVT LTD was found. Industrial unit was a dry process unit hence no ETP. Industrial Unit was not using any Water During the commercial process (Dry Unit) hence sample could not be collected for Waste water discharge. Water is used only for domestic purpose from bore Well. Information not available regarding any kind consent obtained from UPPCB, mainly for Air & Hazardous.	Status of Address change may be verified by UPPCB for issuing any consent required for the Industrial Unit.
217	S.R.Prints, C-I, Loni road Ind.Area Mohan Near Gzb.	03.04.2018	Textile & Dyeing	As per the analysis repot the parameters pH, Phenol, and Total Chromium are complying the standards.Total Suspended Solids (TSS), Bio-Chemical Oxygen Demand (BOD) and Oil & Grease are exceeding the acceptable limit as per Standard – Environment (Protection) Act, 1986. Untreated effluent discharge to drain. Electromagnetic Flow meter was not installed. Installation & Operation of Continuous Online Emission Monitoring system at the Outlet of ETP was not installed.	Closer notice may be issued to the industry because of untreated effluent discharged into the drain.
218	Sahi Exports (Sarla Fabrics Ltd.), 30, Loni Road lnd.Area Mohan Nagar Gzb.	03.04.2018	Textile & Dyeing	1. As per the analysis repot the parameters pH, Total Suspended Solids (TSS), Bio-Chemical Oxygen Demand (BOD) and Total Chromium are complying the standards. 2) ETP was in operational. 3) Installation & Operation of Continuous Online Emission Monitoring system at the Outlet of ETP was installed.	complying the EPA standards.
219	M/s Sai Processing 7/37, site no-2 Loni Road Mohan Nagar Gzb.	03.04.2018	Textile & Dyeing	1. pH, TSS and Bio-Chemical Oxygen Demand (BOD) are exceeding the acceptable limits as per Standard-Environment (Protection) Act 1986. 2) Electromagnetic Flow meter was not installed. 3) Continuous Online Emission Monitoring system at the Outlet of ETP was not installed. Flow Diagram of ETP was not provided.	Industry may be asked to control pH TSS and Bio-Chemical Oxygen Demand (BOD)in discharge by improving the treatment system installed and installation of Electromagnetic Flow meter.
220	M/s Santosh wire industries, C-6 Loni Rd Ind area, Mohan Ngr, Ghaziabad not existing at this address instead M/s V.J. metal components pvt Ltd in opeartion	06.04.2018	Engg., Iron and Steel & Metal Industries	1. M/s. Santosh Wire Industries does not exist at C-6, Loni Rd. Ind. Areal, Mohan Nagar, Gaziabad and closed a long back, instead we found a Dry-unit functioning in the name of M/s V.J. Metal Components Pvt. Ltd., which are making vehicle's shoe-brake-plates by cutting Iron-sheet with "Press cutting " machines. 2. The new-unit was not having any consent or permission to operate.	M/s. Santosh Wire Industry does not exist at the said address. But a new unit found operative as M/s. V.J. Metal Components Pv. Ltd., making vehicle's brake shoe plate by press cutting of metal sheet, Hence official record may pl. update.
221	Saroj Creation Pvt. Ltd., C-24, 25 Loni Road Ind Area Gzb.	12.04.2018	Textile & Dyeing	dry and non polluting industry	due to dry industry, there is no recommendation
222	Shri Balaji Processors, S-132, Harsha Compound, Mohan Nagar Gzb.	06.04.2018	Textile & Dyeing	Ramesh Impacts Pvt. Ltd. in place of Shri Balaji Processors. Packing work of readymade Garments for Export Dry Industry	due to dry industry, there is no recommendation
223	Sunny Prints, 5/7, Site-II Industrial Area, Loni Road, GZB.	09-03-2018	Textile & Dyeing	The industry is limited to printing of saree only. During inspection, the ETP installed was under maintenance.	During the inspection of the unit, the ETP was under maintenance. The unit may be directed not to operate without ETP. In addition, as the industry is located in a cluster area, the individual units can be directed to comply with Effluent Discharge Standards at utmost priority.

224	Yadav Industries, C-11, Loni Road Ind.Area Gzb.	09-03-2018	Engg., Iron and Steel & Metal Industries	The industry is primarily for wire works with ETP of 30 KL/day installed capacity.	The treated effluent found to be non-compliance. Accordingly, the unit may be asked to upgrade its ETP operations in order to meet the prescribed effluent standards.
225	Agarwal Galvanizing, Unit-2, A-8/6, Meerut Road Ind. Area Guldar Ghaziabad	08-03-2018	Electroplating, Phosphating & Galvanizing	The industry is engaged in galvanizing of door fitting accessories like handle, hinges, locks, knobs, etc. The unit has installed ETP for industrial effluent and stack for emissions.	The treated effluent found to be non-compliance. Accordingly, the unit may be asked to upgrade and proper operations of ETP in order to meet the prescribed effluent standards.
226	Albert David Ltd., B-13, Meerut Road industrial Area Ghaziabad.	08-03-2018	Pharmaceutical	The industry is Pharma manufacturing unit with ETP of 200 KL/day installed capacity.	The unit found to be compliance of effluent parameter except oil & grease.
227	Chemo Pulp Tissues Pvt. Ltd., A-4, Set 22, Meerut Road Ind. Area Gzb.	08-03-2018	Pulp & Paper	The industry is only manufacturing Paper Board and raw material for that is being procured from outside	The recycled water used by the industry for internal purpose is acidic in nature thus neutralization within settling tank is recommended. In addition, the industry can be asked to increase green cover over unused land to minimise dust generations within its premises.
228	Crop Health Product Pvt. Ltd., -1 D- 31/1, Meerut Road Ind. Area Gzb.	08-03-2018	Pesticides		
229	Deewan Reclame Rubber Ltd., A-3, Meerut Road Gzb.	13-03-2018	Others	The unit is not in operation since last two years due to financial reasons.	The unit may be asked to provide adequate effluent treatment plant before restart of operation and the same should be informed to CPCB and UPPCB.
230	E.C.E. Ltd., A-20, Meerut Road Ind. Area Gzb.	13.03.2018	Engg., Iron and Steel & Metal Industries	The industry is engaged in manufacturing & assembling of the elevators (Lifts). As per the consent dated 19.03.2018 the unit does not use any water in the production and no industrial effluent to be generated. The washing effluents are treated in ETP comprising of neutralization and alum dosing only. As informed the ETP is used as per requirement only. A sample was collected from the ETP outlet and sample is exceeding the prescribed limits w.r.t. parameters pH (2.09 mg/l < 5.5- 9.0 mg/l), COD (12280 mg/l), BOD (8335 mg/l), Fe (17.71 mg/l > 3 mg/l), Zn (5.37 mg/l > 5 mg/l). The unit has not provided proper dust collection system at the powder coating section.	Direction u/s 5 of Environment (Protection) Act 1986 may be issued to the unit in view of non-compliance of Effluent discharge norms.
231	Parle Agro P Ltd. A-7, Sector-22 Meerut Road, Ind. Area, Gzb.	09-03-2018	Agro Based & Food Processing	The unit is manufacturing fruit juice from the fruit pulp.-The grab effluent sample was collected from the outlet of ETP. Analysis results show the treated effluent is exceeding the prescribed limit for Oil & Grease. (11mg/l >10mg analysis reports at Annex.6)	The unit may be directed to operate its Effluent Treatment Plant properly so as to achieve prescribed standards.
232	Hamdard (Wakf) Laboratories, (1 & 2) B-2 &3 Meerut Road Gzb.	13-03-2018	Pharmaceutical	1. The unit is manufacturing Unani Medicine- Sharbat, Syrup, Tablets etc. 2. The unit and its Effluent Treatment Plant(ETP) was operational during visit.The grab sample collected from ETP outlet is exceeding the prescribedblimits w.r.t. parameter. TSS (380mg/l >100mg/l), COD (11580mg/l > 250mg/l)and BOD (6984mg/l >30mg/l). Analysis report at Annex.5	The direction u/s 5 of E(P) Act 1986 may be issued to the unit as the unit is not meeting effluent discharge norms.
233	International Tobacco Co. Ltd., Meerut Road, Guldhar, Ind. Gzb.	09-03-2018	Others	1. The unit and its ETP was found operational during visit.2. The grab sample from ETP outlet was collected during visit.3. The analysis result of ETP outlet are within the limits for parameter ph= 7.94, TSS= 18mg/l, COD= 40mg/l, BOD= 7mg/l (Analysis result at Annex.6)	1. The unit is cigarette manufacturing unit and water is not used in process.2. The treated effluent is meeting the prescribed standard., No action is required at present.
234	Kathuria Brothers, A-l2, Site -3, Industrial Area, Meerut Road Gzb.	09-03-2018	Tannery	1. The unit and its ETP was found operational during visit.2. The unit has provided chrome recovery in the ETP,3. The grab effluent sample collection from ETP outlet and treated effluent is exceeding the prescribe limits w.r.t parameter COD (4896 mg/l > 30mg/l) and BOD (2246 mg/l > 30mg/l) Analysis report at Annex. 6,4. The bags of chemical were stored in open area., Housekeeping of the unit need improvement	1. The unit may be directed to operate its Effluent Treatment Plant properly so as to achieve prescribed standards.2. The chemical bags should be stored at the designated storage yard.,The housekeeping of the unit needs improvement and water spillage in the process area should be prevented.

235	Kathuria Brothers,(Cycle Section) A-12 Meerut Road Industrial Area Gzb.	05-03-2018	Electroplating, Phosphating & Galvanizing	1. From the analysis results , it is observed that finally discharged and treated effluent by the unit is not complying for Zinc (20.15 mg /l as against standard limit of 5 mg /l). 2. The unit is not having any flow meter at Effluent Treatment Plant. Hence the unit does not have any records of quantity of waste water treatment. 3. From the records made available by the unit during inspection, it was observed that the unit has not disposed ETP sludge and other Hazardous Wastes after 01 August, 2017. Hence it was observed that the unit violated Section 8 of Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 which specify that the occupiers of facilities may store the hazardous and other wastes for a period not exceeding ninety days.	1.On the basis of observations, it is recommended that unit may be directed to close its operations till it takes necessary steps to improve the efficiency of Effluent Treatment Plant so that the treated effluent shall comply to the prescribed standards. 2. It is recommended that the unit may be directed to install flow meter at Effluent Treatment Plant and maintain proper records of effluent treatment. 3. It is recommended that unit may be directed to close its operations till it disposes all the stored ETP sludge and other hazardous wastes in a scientific manner to a Treatment, Storage, and Disposal Facility (TSDF) for hazardous wastes, with proper maintenance of disposal records.
236	Marshal Cycles, B-17/18, Meerut Road Industrial Area Gzb.	05-03-2018	Electroplating, Phosphating & Galvanizing	1. From the analysis results, it is observed that finally discharged and treated effluent is not complying for Sulphate (593 mg/l as against standard limit of 400 mg/l) and nickel (25.36 mg/l as against standard limit of 3 mg/l). 2. During inspection, it was observed that the unit has dumed the hazardous wastes including ETP sludge and process sludge to a nearby plot. The unit informed that it owns the plot. ETP sludge and other hazardous wastes were dumped over the open ground, therby causing soil pollition. The possibility that hazardous chemicals from the dumped sludge and other hazardous wastes may enter ground water during rainy season cannot be ruled out. 3. The analysis results of ground water sampled from bore well within the industry premises indicates exceedance of Pb and Kg in ground water as against the permissable limits in absence of alternate source specified by BIS. 4. From the records made available by the unit during inspection, it was observed that the unit has not disposed ETP sludge and other Hazrdous wastes after 1 aug 2017. Hence it was observed that the unit violated Section 8 of Hazardous and other wastes Rules, 2016.	1. On the basis of observations it is recommended that unit may be directed to close its operations till it takes necessary steps to improve the efficiency of Effluent treatment plant so that the treated effluent shall comply to the prescribed standards. 2. It is recommended that unit may be directed to close its operations till it disposes all stored ETP sludge and other hazardous wastes in a scientific manner to a treatment, Storage and Disposal facility (TSDF) for hazardous wastes with proper maintenance of disposal records.
237	Mascot India Tools Ltd., A-2, Meerut Road Ind. Area Gzb.	05-03-2018	Engg., Iron and Steel & Metal Industries		

238	North Land Cycle Co. Ltd., D-21, meerut Road Industrial Area Ghaziabad	07-03-2018	Electroplating, Phosphating & Galvanizing	1. From the analysis results, it is observed that finally discharged and treated effluent is not complying for pH, Suspended solids . Total Chromium, Lead, iron and Zinc. 2. The effluent treatment plant was observed inadequate. The unit carries out chemical dosing as well as settling in the same tank. As a result, the treated effluent was observed to have high concentration of suspended solids and heavy metals exceeding prescribed limits. 3. The unit is not having any flow meter at Effluent Treatment plant. hence the unit does not have any records of quantity of waste water treatment. 4. The unit failed to show any evidence of disposal of sludge or other hazardous waste. 5. the unit does not have valid consent to operate and authorization under Hazardous waste rules granted by UP Pollution Control Board.	1.It is recommended that unit may be directed to close its operations till it provides a proper settling tank to the Effluent Treatment Plant to settle the suspended solids. 2. It is recommended that unit may be directed to close its operations till it takes necessary steps to improve the efficiency of Effluent Treatment Plant so that the treated effluent shall comply with the prescribed standards. 3. It is recommended that the unit may be directed to install flow meter at Effluent Treatment Plant and maintain proper records of effluent treatment. 4. It is recommended that unit may be directed to close its operations till it disposes all the stored ETP sludge and other hazardous wastes in a scientific manner to a Treatment, Storage, and Disposal Facility (TSDF) for hazardous wastes, with proper maintenance of disposal records. 5. The unit may be directed to remain closed till it obtains valid consent to operate and Authorization under Hazardous waste rules granted by U.P. Pollution Control Board.
239	Ramsons Enterprises, D-21 A, Meerut Road Gzb.	07-03-2018	Engg., Iron and Steel & Metal Industries	1. From the analysis results, it is observed that finally discharged and treated effluent is not complying for pH. .2. The unit failed to show any evidence of disposal of ETP sludge after March 03,2017. Hence, unti violated Section 8 of Hazardous and other wastes Rules, 2016 which specify that the occupiers of facilities may store the hazardous and other wastes for a period not exceeding ninety days. 3. The unit is not having any flow meter at Effluent treaatment plant. hence the unit does not have any records of quantity of waste water treatment. 4. The unit does not have valid consent to operate and authorization under hazardous waste rules granted by UP pollution control Board.	It is recommended that unit may be directed to close its operations till it takes necessary steps to improve the efficiency of Effluent Treatment Plant so that the treated effluent shall comply with the prescribed standards. 2. It is recommended that the unit may be directed to install flow meter at Effluent Treatment Plant and maintain proper records of effluent treatment. 3. It is recommended that unit may be directed to close its operations till it disposes all the stored ETP sludge and other hazardous wastes in a scientific manner to a Treatment, Storage, and Disposal Facility (TSDF) for hazardous wastes, with proper maintenance of disposal records. 4. The unit may be directed to remain closed till it obtains valid consent to operate and Authorization under Hazardous waste rules granted by U.P. Pollution Control Board.
240	Roxy Investment Pvt.Ltd., C-3, meerut Industrial Area Ghaziabad	07-03-2018	Electrical & Electronics		
241	Samtal Electron Devices Ltd., 1, 2, 3 Sect-22, Meerut Road Gzb.	09-03-2018	Electrical & Electronics	At the time of inspection team has found, industry was closed since last few years according to the Guard Mr. R. D. Dixit and industry also sealed by State Bank of India. Due to this reason no inspection has been performed., Therefore, concerned division may take the necessary action based on the above observation.	Nil
242	Shri Ram Piston & Rings Ltd., MeerutRoad Ind. Area Gzb.	5.3.2018	Engg., Iron and Steel & Metal Industries	Based on the Analysis result of final ETP discharged out of 13 parameters, 1 parameter (Cyanide) was exceeding with the prescribed standard of Nickel and Chrome plating final ETP outlet discharge. Validity of consent till 31.12.17.Further unit has applied for consent on date 16.2.18 on online.	It is recommended that unit may be directed to take necessary steps to improve the efficiency of Effluent treatment plant so that treated effluent shall comply with the prescribed standards in respect of cyanide

243	Sukrati Viddut Udyog Pvt.Ltd., D-39, Meerut Road Gzb.	5.3.2018	Electrical & Electronics	At the time of inspection ETP was not in operation. therefore ETP outlet sample was not drawn.ETP was found non-operational. Authorization under Hazardous and other Waste was not available.	It is recommended that the unit may be directed to install flow meter at effluent treatment plant and maintain proper records of effluent treatment. It is recommended that unit may be directed to acquire valid authorisation to dispose off the ETP sludge and other Hazardous waste in a proper scientific way. It is recommended that unit may be re-inspected for checking the ETP performance when it is in operation.
244	Techno Enterprises, A-13/12 Meerut Road Gzb.	9.3.2018	Electroplating, Phosphating & Galvanizing	Based on analysis result of final ETP discharged, out of 14 parameters 7 parameters (TSS, COD, BOD, T. Cr, Copper, Iron, O/G) are not compliance as treated effluent standards as per CPCB Guidelines	It is recommended that unit may be directed to close its operations till its takes necessary steps to improve the efficiency of Effluent treatent plant so that treated effluent shall comply with the prescribed standards in respect of TSS, COD, BOD, Cr, Cu, Fe, O/G.
245	Ultra Electroplaters, 46 Meerut Road Gzb.	9.3.2018	Electroplating, Phosphating & Galvanizing	Based on the Analysis result of final ETP discharged out of 14 parameters 07 parameter (TSS, Cr+6 , CN, Cd, Cu, Ni, Pb) were found within limit and remaining 07 parameters (pH, COD, BOD, Cr, Fe, Zn, Oil and Grease) are not compliance as treated effluent standards as per CPCB Guidelines Industry was running without authorization from 20.11.2015 till date	It is recommended that unit may be directed to acquire valid authorization to dispose off the ETP sludge and other Hazardous Waste in a proper scientific way. It is recommended that unit may be directed to close its operations till it takes necessary steps to improve the efficiency of Effluent treatment Plant so that treated effluent shall comply with the prescribed standards in respect of 07 parameter (pH, COD, BOD, Cr, Fe, Zn, O/G)
246	Unichem Laboratories, C-31, Meerut Road Gzb.	5.3.2018	Pharmaceutical	Based on the Analysis result of final ETP discharged out of 5 parameters 4 parameter (pH, TSS, COD, Oil and Grease) were found within limit and 1 parameter (BOD) was exceeding with the prescribed standard of pharmaceutical final ETP outlet discharge. Industry was running without authorization from August 8, 2015 to till date.	It is recommended that unit may be directed to acquire valid authorization to dispose off the ETP sludge and other hazardous Waste in a proper scientific way. It is recommended that unit may be directed to take necessary steps to improve the efficiency of Effluent Treatment Plant so that treated effluent shall comply with the prescribed standards in respect of BOD
247	Uttam Toyata, A-11, Meerut Road Ind Area Gzb.	8.3.2018	Others	1. Oil & Grease parameter conc.11 mg/L exceed from acceptable Standard limit 10mg/L. 2. Daily Log-Book (Electromagnetic Flow meter) Water consumption not maintained	1. Maintain the use of water Record Register on daily-basis. 2. Install Continuous Online Emission Monitoring System (COEMS) at the outlet of ETP. 3. Industry may be asked to control Oil & Grease in discharged by improving the treatment System.
248	Zeeta Ind.Corporation Ltd., B-8, Meerut Road Gzb.	8.3.2018	Electrical & Electronics	1. Heavy Metal Fe conc.13.61mg/L exceed from acceptable Standard limit 5mg/L &Zn conc.8.87mg/L exceed from acceptable Standard limit 5mg/L. 2. Electromagnetic Flow meter not installed for water consumption. 3. In Ground Water Sample Fe conc. 21.81mg/L exceeded for acceptable Standard limit 3mg/L.	1. Install Continuous Online Emission Monitoring System (COEMS) at the outlet of ETP. 2. Electromagnetic Flow meter installed for water consumption and maintain Log-Book for daily uses.. 3. Industrymay be asked to control Heavy Metal Fe & Zn in discharged by improving the treatment System.
249	N.G. Textile Prints P.Ltd., E-13/2, kavinagar ind.area ghaziabad	8.3.2018	Textile & Dyeing	Industry running without validity of Consent under Water Act, 1974(up to 31.12.2017(Expired)	1. To install OCMES. 2. Issue the Show Cause notice to the industry.

250	N.G. Textiles., 13A/10, Site-2, Loni Road I.A., Mohan NGR	7.3.2018	Textile & Dyeing	1. Heavy Metal Hg conc.1.06mg/L in effluent and also in Ground Water 1.12mg/L exceed from acceptable Standard limit 0.01mg/L also in Ground water 2. Electromagnetic Flow meter daily LOG-book not maintained.	1. Install Continuous Online Emission Monitoring System (COEMS) at the outlet of ETP. 2. To maintain Log-Book (Electromagnetic Flow meter) for water consumption. 3. Industry may be asked to control Heavy Metal Hg in discharged by improving the treatment System
251	ASHOKA PULP & PAPER PVT. Ltd., 11, Site-2, Loni Road LA, GZB.	6.3.2018	Pulp & Paper	1. The Boiler of the unit was not in operation. 2. The Process unit was found Dry.	Closed (Direction Under Section 5 of the Environment Act, 1986 vide order B-23012/1/IPC-III/13986 Dt.20 Nov.2017)
252	Usha Cycle, E-9, S.S. of G.T. Road Ind. Area, GZB.	9.3.2018	Engg., Iron and Steel & Metal Industries	1. TSS conc.277 mg/L exceed from acceptable Standard limit 100mg/L also Heavy Metal Cu conc.3.55mg/L exceed from acceptable Standard limit 3.0mg/L in effluent water 2. Electromagnetic Flow meter is not installed.	1. Install Continuous Online Emission Monitoring System (COEMS) at the outlet of ETP. 2.Industry may be asked to installed Electromagnetic Flow meter for water consumption and control Heavy Metal Cu in discharged by improving the treatment System
253	M/s Sheetal industries, s-40, south sidecind area G.T Road Ghazibad, dated	06.03.2018	Engg., Iron and Steel & Metal Industries	Unit was operational at the time of visit. ETP was in operation. Manpower 10-12 workers. Very less space to move, poor management.	Industry is meeting the norms however, unit may be asked for better housekeeping and safety measures, in case of any accident.
254	M/s Shivam Febrication P Ltd., 22/9, S.S. of G.T. Road Ind. Area, GZB.	07.03.2018	Electroplating, Phosphating & Galvanizing	Unit was made operational at the time of visit due to some minor maintenance work. ETP was just operated at the time of visit, due to maintenance in one unit (as told by unit manager- fresh sludge was also seen) hence it was not stabilized at the time of sampling, however sample was taken. Housekeeping was satisfactory. Manpower 10-12 workers	Unit is partially meeting the norms; hence unit may be asked for proper operation of ETP.
255	M/s Silvirite Spokes Pvt. Ltd. S-28, S.S. of G.T. Road Ind. Area, GZB.	07.03.2018	Engg., Iron and Steel & Metal Industries	Unit was operational at the time of visit. ETP was in operation. manpower 4-5 workers. Manual work of zinc plating	Unit is meeting the norms however unit may asked for improvement in treatment process and disposal of treated effluent.
256	M/s Cosmos Engineering components, A- 7/79, South side Ind area G.T Road, Ghaziabad	05.03.2018	Engg., Iron and Steel & Metal Industries	Unit was operational at the time of vist. No effluent generation only dry process. Good house keeping.	Unit need to keep record of iron scrap generated & sold to recyclers
257	M/s Tarun International (P) Ltd., C-15 South Side Ind. Area G.T. Road , Ghaziabad	05.03.2018	Engg., Iron and Steel & Metal Industries	Unit was operational at the time of visit. ETP was in operation & treated effluent recycled. No effluent was going out at the time of inspection. Rain water harvesting system in operation installed capacity 40000 lit tank capacity for 21mX130m covered area +open area. Good house keeping. Manpower 10-12 workers	The unit was operating ETP which partially meeting the norms, hence improvement in treatment process is necessary. Industry is having lot of open area, Plantation on open area is necessary.
258	M/s Sree Balaji Metals E-17 Kavi Nagar Industrial Area Ghaziabad	07.03.2018	Others	Unit was operational at the time of visit. ETP was started at the time of visit. Poor housekeeping. Manpower 15-20 workers. Stack height for flue gases at Furnace was inadequate, smoke inside the working area was seen at the time of visit.	Unit is partially meeting the norms (hexa valent Chromium is exceeding the norms) unit may be asked for improvement in treatment process. Poor housekeeping hence improvement in housekeeping and space management is necessary. Safety equipment for workers are also necessary in unit. Stack height for flue gases at Furnace was inadequate smoke inside the working area was observed hence may be asked for proper stack height as per norms.
259	M/s A.C.E. Hardware Pvt Ltd, B-5, Bulandshahar Road, Industrial Area, Ghaziabad	07.03.2018	Electroplating, Phosphating & Galvanizing	M/S ACE HARDWARE PVT.LTD. B-5 KAVINAGAR INDUSTRIAL AREA GHAZIABAD, UP HAS DISCHARGED THE WASTEWATER I.E FROM ETP OUTLET TO THE NEARBY drain.	1. M/S ACE Hardware pvt. LTD has exceeding the discharge limit of wastewater with reference to cyanide and Heavy metal (i.e Nickel, Copper and Lead)

260	M/s S.D Industries E124, B.S Industrial area, Ghaziabad	07.03.2018	Electroplating, Phosphating & Galvanizing	M/s S.D. Industries, E-124, B.S. Road Industrial Area, Ghaziabad, UP has no sign board fix in the entry side of the industry. The industry has designed its ETP outlet for discharging of wastewater to the common drain. The house keeping of the industry is very poor. Acid fumes are observed inside the factory and workers are working without safety equipments i.e. acid proof gloves, shoes etc..	
261	M/s N. G. Wash (formerly named as Apex Udyog) I-4, Sec-D1, Apparel Park, Tronica City, Ghaziabad	04.04.2018	Textile & Dyeing	M/s N. G. Wash (Formerly named as M/s Apex Udyog), has manufactured denim and non-denim children and adult garments with a production capacity of 30 TPA. The industrial activities are included with garment dyeing and washing. The industry has one ETP with a capacity of 35 KLD. The ETP is working and the final discharge of ETP is met in the common drain which is covered. The industrial representative has claimed that the effluent coming from ETP outlet is further treated in nearby CETP. But no document, in this context has found from industrial side. The team has collected different waste water samples from the ETP outlet as per the guideline. The flow of the ETP outlet was non-continuous and depends on the production. The industry has shown valid consent papers on Air, Water and Hazardous Waste disposal issued by U. P. Pollution Control Board during the visit.	M/s N. G. Wash (Formerly named as M/s Apex Udyog), I-4, Sec D-1, Apparel Park, Tronica City, Loni, Ghaziabad, UP is discharging significant quantity of organic waste to the drain and required further treatment before their final discharge.
262	M/s Chacha Enterprises, J-4, Sec. D-1(P-3), Apparel Park, Tronica City, Loni.	04.04.2018	Textile & Dyeing	M/s Chacha Enterprises has manufactured Jean garments with a production capacity of 23.6 TPA. The industrial activities are similar to garment dyeing and washing. The industry has one ETP with a capacity of 25KLD. The ETP was in operation during the visit period. The final discharge of ETP is met in the common drain. The industrial representative has claimed that the effluent coming from ETP outlet is further treated in nearby CETP. But no document, in this context has found from industrial side. The team has collected different waste water samples from the ETP outlet as per guideline. The flow of the ETP outlet was continuous.	M/s Chacha Enterprises, J-4, Sec D-1 (P-3), Apparel Park, Tronica City, Loni, Ghaziabad, UP has exceeding the discharge limit of wastewater with reference to pH and BOD. The industry needs further treatment of ETP outlet before discharging to the drain.
263	M/s D.K. Jain, G-262, Sector D-1(P), Aparels Park, Tronica City, Loni, Ghaziabad.	04.04.2018	Textile & Dyeing	The industry was found not in operation during the visit period. The ETP was also not in operation. The team could not collect the ETP outlet samples due to the same reason.	
264	M/s Deepak Gambhir, E-12 Apparel Park, Sector D-1(P3), Tronica City, Loni.	04.04.2018	Textile & Dyeing	M/s Deepak Gambhir has manufactured children and adult jean garments with a production capacity of 125 TPA. The industrial activities are included with garment dyeing and washing industry. The industry has one ETP with a capacity of 70 KLD. The ETP is working and the final discharge of ETP is met in the common drain which is covered. The representative of the industry has claimed that the effluent discharging from ETP outlet is further treated in nearby CETP. But no document, in this context has found from industrial side. The team has collected different wastewater samples from the ETP outlet as per the guideline. The flow of the ETP outlet was non- continuous and depends on the production.	M/s Deepak Gambhir, E-12, Apparel Park, Sec D-1 (P-3), Tronica City, Loni, Ghaziabad, UP is exceeding the BOD limit in its ETP outlet discharge. The industry should minimize the organic waste through treatment before the final discharge.
265	M/s Denim Matching, G-141, Apparel Park Tronica City, Ghaziabad	09.03.2018	Textile & Dyeing		All physicochemical parameters are not meeting the standards as stimulated in the consent. Industry have to take necessary to mitigate pollution level.
266	M/s Durgeshwari Garments Pvt. Ltd., E-13, Sector -13-1, Appral Park, Tronica City, Loni Ghaziabad	08.03.2018	Textile & Dyeing	System was working properly during visit. As per results, meeting the standards.	Quality of effluent was found within limit. ETP was working properly during visit.

267	M/s Ekansh Textile K-36, Sec-D (1) Appreal Park Tronica City, Loni, Ghaziabad	09.03.2018	Textile & Dyeing	ETP was not properly worked during visit but after 1 hr. of operation system was working.	Quality of effluent was found within limit. But ETP was not working Due to failure of Pump.State Pollution Control Board may ensure the proper operation and treatment of trade effluent as per consent to operate. Industry not analysing the outlet sample to insure the quality of discharge effluent. Composite sampling may also give the quality of conclusive idea in terms of trade effluent treatment.
268	M/s Excellents Apparels Pvt. Ltd., K-52, Sect. D-1(P3), Apparels Park, Tronica City. Loni Ghaziabad	09.03.2018	Textile & Dyeing	Closed	Closed
269	GhanShyam Textiles, K-19, Sector 13- 1 (P), Apparels Park, Tronica City, Loni Ghaziabad.	08.03.2018	Textile & Dyeing	Closed	Closed
270	M/s Galaxi Garments, K-22, Sector D-1, Tronica City, Apparel Park, Loni Ghaziabad.	08.03.2018	Textile & Dyeing		BOD and Cr limit is marginally exceeding as stimulated in the consent. Industry should take care to reduce these values by taking sincere efforts to treat their effluent properly.
271	M/s Gulshan Rai Jain, G-82, Apparel Park, Sector D-1 (P3), Tronica City, Loni,	08.03.2018	Textile & Dyeing	1. Oil and grease is exceeding the acceptable limit 2. Primary ETP was operational 3. Installation & operation of continuous online monitoriing system (for pH measurement) at the outlet of ETP was working 4. Outlet of ETP connected to CETP through drain	1. The discharge at outlet of the ETP is not complying with the standards for oil & Grease. The primary treated effluent is discharged to CETP 2. The industry may be asked to control the Oil & Grease content in discharge by improving the treatment syste installed.
272	J.B.S. Processors, G-I04, Apparel Park, Sector D-1 (P3), Tronica City, Loni, Gzb.	08.03.2018	Textile & Dyeing	The Industry was closed during the visit on two days, 06/03/2018 & 08/03/2018 and the reinstallation is going on. Concerned officials was not available for obtaining the required information	The industry was closed during the visit, so they may be asked to remain closed before estarting the oerations
273	Jai Mata Di Dyers, 1-9, Sect. D-1(P3), Tronica City, Loni.	08.03.2018	Textile & Dyeing	1. The industry was not in operation during the visit on two days, 06/03/2018 & 08/03/2018 2. As the industry was not in operation, the ETP was also not functional and no sample was collected 3. Valid authorisation under Hazardous and other Waste (M&TM) Rules, 2016 was not made available at the time of visit.	The Industry was not in operation during the visit, so they may be asked to remain closed for further periods and inform U.P. State Board and CPCB
274	Jai Shri Dyeing, 1-21, Apparel Park, Sector D-1(P3). Tronica City, Loni.	08.03.2018	Textile & Dyeing	1. All the parameters are within the acceptable lmits. 2. ETP was in operation 3. No Continuous Online Emission Monitoring system at the outlet of ETP 4. Outlet of ETP connected to CETP through open channel	The industry is complying the EPA standards
275	Laxmi Bleach, D-102, Sec D-1(P3),Apparel Park, Tronica City, Loni, Ghaziabad.	08.03.2018	Textile & Dyeing	1. Valid authorisation under Hazardous and Other Waste (M&TM) Rules, 2016 was not available and showed the copy of application made on 10.03.2018 for renewal. 2. TSS is exceeding the acceptable limit. 3. Primary ETP was in operation. 4. Continuous Online Emission Monitoring system (for pH measurement) installed at the Outlet of ETP. 5. Outlet of ETP connected to CETP through drain.	1. The discharge at outlet of the ETP is not complying with the standards for TSS. The primary treated effluent is discharged to CETP. 2. The industry may be asked to control the TSS content in discharge by improving the treatment system installed. 3. State Pollution Control Board may ensure the issuance of grant of authorisation under Hazardous and Other Waste (M&TM) Rules, 2016 with respect to their application made on 10.03.2018 for renewal.

276	Laxmi Processors, K-16, Sect-D-1, Pocket-3, Appral Park, Tronica city	08.03.2018	Textile & Dyeing	1. The industry was not in operation during the visit on two days, 06/03/2018 & 08/03/2018 due to some maintenance work 2. As the industry was not in operation, The ETP was also not functional and no sample was colleceted 3. Valid authorisation under Hazardous and other Waste (M&TM) Rules, 2016 was not made available at the time of visit.	The Industry was not in operation during the visit, so they may be asked to remain closed for further periods and inform U.P. State Board and CPCB
277	M.S. Trading, E-15, Sector D-1(P), Aparels Park, Troniea City, Loni.	08.03.2018	Textile & Dyeing	1. As per the analysis report the parameters pH, BOD,phenol, oil &grease are complying the standards. 2. TSS is exceeding the permissible limits 3. ETP was operational 4. Installation and operation of Continuous Online Emission Monitoring system at the outlet of ETP was not installed 5. Outlet of ETP connected to CETP through open channel	Industry may be asked to control TSS in discharge by improving the treatment system installed
278	Nandi Enterprises, J-15. See D-1(P3), Apparel Park, Tronica City, tent,	08.03.2018	Textile & Dyeing	1. Oil and grease is exceeding the aceptable limits 2. ETP was operational 3. Continuous Online Emission Monitoring system at the outlet of ETP was not installed 4. outlet of ETP connected to CETP through open channel	Industry may be asked to control oil and grease in discharge by improving the treatment system installed
279	Nandi Enterprises, K-14, Apparel Park, Sector D-1 (P3), Tronica City, Loni,	08.03.2018	Textile & Dyeing	1. TSS and Oil & Grease are exceeding the acceptable limits 2. ETP was operational 3. Continuous Online Emission Monitoring system at the outlet of ETP was not installed	Industry may be asked to control TSS and oil & grease in discharge in discharge by improving the treatment system installed
280	National Industries, G-264, Apparel Park, Sector D-1(P3). Tronica City, Gzb.	08.03.2018	Textile & Dyeing	1. pH is below the acceptable limit 2. ETP was operational 3. Electromagntic flow meter was not in operation 4. Continuous Online Emission Monitoring system at the outlet pf ETP was not installed 5. Flow diagram of ETP was not Provided	Industry may be asked to control pH in discharge by improving the treatment system installed
281	Om Prakash Sharma, J-11, Apparel Park. Sector D-1(P3). Tronica City, Ghaztabad	08.03.2018	Textile & Dyeing	1. BOD and TSS are exceeding the acceptable limits 2. ETP was operational 3. Continuous Online Emission Monitoring system 4. Flow Diagram of ETP was not provided	Industry may be asked to control TSS and BOD in discharge by improving the treatment system installed
282	Pooja Pahawa, K-11, Apparel Park, Sector D-1(P3), Tronica City, Loni.	08.03.2018	Textile & Dyeing	1. pH is below the acceptable limit 2.Oil & Grease is exceeding the limit 3. ETP was operational 3. Continuous Online Emission Monitoring system at the outlet pf ETP was not installed 5. Flow diagram of ETP was not Provided	Industry may be asked to control pH and Oil and grease in discharge by improving the treatment system installed
283	Adunik Dyeing formally known as Puran Munjal, H-12. Sector D-1(P), Aparels Park, Tronica City, Loni,Ghazlabad	06.03.2018	Textile & Dyeing	Not Mention	Not Mention
284	Quadri Processors, I-8, See D- 1(P3),.Apparel Park, Tronica City,	09.03.2018	Textile & Dyeing	Not Mention	Not Mention
285	R.R. Impex G-261, Sect. D-1 (P) Aparels Park Tronica City Loni, GZB.	07.03.2018	Textile & Dyeing	During joint inspection team no-48 has been collected the sample from Effluent Treatment Plant outlet from M/s RR Implex G-261, Sector D-1, Tronica city, Loni, Ghaziabad, U.P. on dated 07.03.2018. All parameters are of industrial outlet has been found within a limit according to analytical report.	Not Mention
286	Rachita Processors, K-33 & K-34. Sect. D1, Apparel Park, Tronica City. Loni,Gzb	07.03.2018	Textile & Dyeing	Not Mention	Not Mention
287	Ragging Sons I-13,Sect D -1 (P3) , Tronical City Loni Gzb.	06.03.2018	Textile & Dyeing	Not Mention	Not Mention
288	Rajeev Kumar, G-64, See D-1 (P3). Apparel Park, Tronica City, Loni,	07.03.2018	Textile & Dyeing	Not Mention	Not Mention
289	Robust Infra Tech P Ltd., J-13, Apparel Park, Sector D-1(P3), Tronica City, _Lord. Ghaziabad.	06-03-2018	Textile & Dyeing	1. ETP is Non operational, 2. Continuous Online Monitoring system at the Outlet of ETP was not installed. 3. Outlet of ETP connected to CETP through Open drain.	1. Industry not operating due to weekly off, no action required.
290	Roop Trading Company, E-14, sect-D- 1, pocket-3, Appral Park, Tronica city, loni, Ghaziabad.	06-03-2018	Textile & Dyeing	1. ETP is operational, as per the consent the unit has to maintain the pH 5.5-9.0 and discharge its effluent to CETP 2. Continuous Online Monitoring system at the Outlet of ETP was not installed. 3. Outlet of ETP connected to CETP throughOpen drain.	1. Industry not complying with norms . 2. Housekeeping of the ETP may be improved

291	Roop Trading Company, K-9, sect-D-1, pocket-3, Appral Park, Tronica city, Loni haziabad.	06-03-2018	Others	1 The unit has shifted its operation and not doing any work of dyeing ,bleaching etc. 2) Unit jas informed vide letter dated 10 sept 2015 to UPPCB regarding its change in its operation. Consent to operate earlier granted by UPPCB for dyeing and washing.	Unit has seized its dyeing operation only embroidery and stitching is done, no action required
292	Royal Techno Dyers, K-47, Apparel Park, Sector D-1(P3), Tronica City, Loni. Ghaziabad.	08-03-2018	Textile & Dyeing	Industry was closed since one year	Industry is closed
293	S.D. Garments, 1-2, Sector-D-1, pocket 3, Appral Park, Tronica city, Loni, Ghaziabad.	06-03-2018	Textile & Dyeing	Not in Operation	Not in Operation
294	S.T. Traders, J-5, sector d-1 , Apparel park, Tronica city , Loni, Ghaziabad	06-03-2018	Textile & Dyeing	1. Continuous Online Monitoring system at the Outlet of ETP was not installed. 2. ETP is operational, as per the consent the unit has to maintain the pH 5.5-9.0 and discharge its effluent to CETP 3. Outlet of ETP connected to CETP throughOpen drain.	Industry not complying with the consent norms.
295	S.V.S. Fashion, J-22, Apparel Park, Sector D-1(P3), Tronica City, Loni, Ghaziabad.	09-03-2018	Textile & Dyeing	1. The unit was inspected on 09.03.2018 and was found operational. 2. The unit was engaged in dyeing and washing operations. 3. The unit has valid consent to operate under Air and Water Act, however, authorization under Hazardous and Other Waste (M&TM) Rules, 2016 was not provided by the unit. 4. Record of water consumption and waste water generation was not provided by the unit during the inspection visit. 5. The unit has installed effluent treatment plant, which was found operational during visit.	As per the sample analysis report, the unit is discharging effluent water having TSS 419 mg/l and BOD 181 mg/l, which is higher than the prescribed limit as mentioned under consent to operate issued under Water Act by UPPCB as 100 and 30 mg/l respectively. Therefore, a show-cause notice u/s 5 of EPA, 1986 may be issued to the unit.
296	Sai Saran Garment, G-108, Apparel Park, Sector D-1(P3), Tronica City, Loni. ghaziabad	07-03-2018	Textile & Dyeing	The unit was inspected on 07.03.2018 and was found closed.	The unit was inspected on 07.03.2018 and was found closed.
297	Sandeep Tyagi, G-271, Sec D-1(P3), Apparel Park, Tronica City, Loni, Ghaziabad.	09-03-2018	Textile & Dyeing	1. The unit was inspected on 09.03.2018 and was found operational during visit. 2. The unit was engaged in dyeing and washing operations. 3. The unit has valid consent to operate under Air and Water Act. 4. Unit has applied for renewal of authorization under Hazardous and Other Waste (M&TM) Rules, 2016. 5. Record of water consumption and waste water generation was not provided by the unit during the inspection visit. 6. The unit has installed effluent treatment plant, which was found operational during visit.	As per the sample analysis report, the unit is complying with the prescribed standards for effluent discharge. Therefore, no further action is required.
298	M/s Krish Garments (Sanjeev Kumar), G-109, Sec D-1(P3), Apparel Park, Tronica City, Loni, Ghaziabad.	07-03-2018	Textile & Dyeing	1. The unit was inspected on 07.03.2018 and was found non-operational during visit. 2. The unit was engaged in dyeing and washing operations. 3. The unit has valid consent to operate under Air and Water Act. 4. Authorization under Hazardous and Other Waste (M&TM) Rules, 2016 provided by the unit was found expired-01.09.2017.	1. Show cause notice u/s 5 of EPA, 1986 may be issued to the unit for improper management of hazardous waste.
299	Sara International, G-65, Apparel Park, Sector D-1(P3), Tronica City, Loni. Ghaziabad,	07-03-2018	Textile & Dyeing	1. The unit was inspected on 09.03.2018 and was found operational during visit. 2. The unit was engaged in dyeing and washing operations. 3. The unit has valid consent to operate under Air and Water Act, however, authorization under Hazardous and Other Waste (M&TM) Rules, 2016 was not provided by the unit. 4. The unit has installed effluent treatment plant, which was found operational during visit.	1. As per the sample analysis report, the unit is complying with the prescribed standards for effluent discharge. Therefore, no further action is required.

300	Shafali Dyeing, G-84, Sector D-1(P), Aparels Park, Tronica City, Loni. Ghaziabad	07-03-2018	Textile & Dyeing	1. The unit was inspected on 07.03.2018 and was found non-operational during visit. 2. The unit was engaged in dyeing and washing operations. 3. The unit has valid consent to operate under Air and Water Act. 4. Authorization under Hazardous and Other Waste (M&TM) Rules, 2016 provided by the unit was found expired.	1. Show cause notice u/s 5 of EPA, 1986 may be issued to the unit for improper management of hazardous waste.
301	Shallu Prints, G-121, Apparel Park, Sector D-1(P3), Tronica City, Loni, Ghaziabad.	07-03-2018	Textile & Dyeing	Unit is closed from past 15 months as informed by owner.	Unit is closed temporarily. However the unit shall not be allowed to operate until the valid CTO is obtained.
302	Shri Paras coloration (U.B. Dyeing), G- 117, Sector d-1(P), Aparels Park, Tronica City, Loni, Ghaziabad.	06-03-2018	Textile & Dyeing	PETP closed so no outlet samples taken for lab analysis	Functioning of CETP in the cluster shall be ensured at all time so that PETP treatment is sufficient. Inlet norms to CETP shall be ensured.
303	Siddhi Vinyak Tex, H-11, Apparel Park, Sector D-1(P3), Tronica City, Loni, Ghaziabad.	07-03-2018	Textile & Dyeing	1) 'Poorly maintained ETP discharged seen very near to ETP itself. 2) Document authorizing withdrawal of ground water, from GWA not found. Housekeeping satisfactory.	
304	Siddhi Vinyak, G-103, Apparel Park, Sector D-1(P3), Tronica City, Loni, Ghaziabad.	07-03-2018	Textile & Dyeing	Unit closed/ not in operation due to maintenance work in CETP pipeline	Functioning of ETP and CETP in Loni Industrial Area shall be ensured to function at all times.
305	Sudhir KumarJain, G-80, Apparel Park, Sector D-1(P3), Tronica City, Loni.	07-03-2018	Textile & Dyeing	Poorly maintained ETP discharge seen very near to ETP itself.	PETP functioning with proper house keeping near it shall be ensured all time
306	Sumer Mal (R.K. Export & Import), H- 13, Apparel Park, Sector D-1(P3), Tronica City. Loni.	06-03-2018	Textile & Dyeing	The unit was closed due to roaster imposed by the Loni Industrial Association`	Unit operating without valid consent papers with the unit operator/manager Housekeeping was found not satisfactory
307	M/s Sun Dyers, I-19, Apparel Park, Sector D-1(P3), Tronica City, Loni.	09.04.2018	Textile & Dyeing	Not Applicable	Not Applicable
308	M/s Supreme Industries, J-2, Appral Park, tronca city, Loni.	09.04.2018	Textile & Dyeing	Authorization for Hazardous waste is expired on 01.04.2018 and same has been applied by M/s Supreme Industry. ETP was started operation at the time of Inspection. All Parameters for Physico- Chemical & Heavy Metals of ETP Outlet are meeting to the Criteria for Industry Specific Standards for Waste Water Discharge in Dye & Dye Intermediate – Environment (Protection) Rules, 1986, 2010 except slight exceedance in pH.	Authorization of renewal Hazardous waste may be checked by UPPCB. Regular functioning & operation of ETP should be ensured.
309	M/s Tiwari Feb, G-255, Apparel Park, Sector D-1(P3), Tronica City, Loni.	09.04.2018	Textile & Dyeing	Water logging outside the Industrial Unit during Inspection. Authorization for Hazardous waste is expired on 04.03.2018 and same has been applied by M/s Tiwari Fab. ETP Sludge Stored and send to Bharat Oil & Waste Management	Operational Status of Industrial Unit may be checked. Regular functioning & operation of ETP should be ensured. Authorization of renewal of Hazardous waste may be obtained by the unit.
310	Vaishali Hosiery, 1-17, Sector D-1, Apparel Park, Tronica City, Loni, Gzb.	19.04.2018	Textile & Dyeing	THE UNIT WAS OPERATIONAL ON THE DATE OF VISIT. 2) The PETP was operational on the date of visit 3) The online ffluent monitoring system(OCEMS) not installed 4) The log book for fresh water consumption not maintained by the unit.	The unit should maintain log book for fresh water consumption 2) The anaysis results indicate that unit is no complying as per discharge standards.
311	Vedanta Estate, I-11, Apparel Park, Sector D-1(P3), Tronica City, Loni. Gzb.	19.04.2018	Textile & Dyeing	THE UNIT WAS OPERATIONAL ON THE DATE OF VISIT. 2) The PETP was operational on the date of visit 3) The online ffluent monitoring system(OCEMS) not installed 4) The log book for fresh water consumption not maintained by the unit.	The unit should maintain log book for fresh water consumption 2) The anaysis results indicate that unit is no complying as per discharge standards.
312	Vedanta Estate, I-12, Apparel Park, Sector D-1(P3), Tronica City, Loni. Gzb.	19.04.2018	Textile & Dyeing	The unit was not in operation on day of visit	

313	M/s Vedanta Estate, J-12, Apparel Park, Sector D-1(P3), Tronica City, Loni.	08.03.2018	Textile & Dyeing	Not Mention	Not Mention
314	M/s U-Like Industry, G-110, Apparel Park, Sector D-1(P3), Tronica City, Loni.	08.03.2018	Electroplating, Phosphating & Galvanizing	Not Mention	Not Mention
315	M/s Spectrum Dye Studio Formerly known as M/s Tusar Garments, J-3, Apparel Park, Sector D-1(P3), Tronica City, Loni Ghaziabad	08.03.2018	Textile & Dyeing	Not Mention	Not Mention
316	M/s Pradeep Kumar, G-92, Apparel Park, Sector D-1(P3), Tronica City, Loni.	08.03.2018	Textile & Dyeing	Closed	Closed
317	M/s Silvertone Paper Ltd. (unit II) Bhopa Road, Muzaffarnagar	16.04.2018	Pulp & Paper	No electromagnetic flow meters were installed; however ultrasonic flow meters were installed and were found operational. Ground water sample collected near M/s Silvertone (Unit I & II) and M/s Garg Duplex (P) Ltd., were not complying w.r.t Sulphate. No record was being maintained for disposal of coarse screen reject (plastic & metallic) after the pulper section and also in the hill screen of the ETP inlet. Housekeeping was very poor in the entire processing area of paper and pulp unit.	

Annexure-XIV

List of non-complying industries with respect to effluent discharge norms (Corrected)

Industry S.No	Industry Name and Address	pH	Cond in (µmhos/cm)	TDS (mg/l)	TSS (mg/l)	COD (mg/l)	BOD (mg/l)	NH_3-N (mg/l)	Fluoride (mg/l)	Sulphate (mg/l)	Cl (mg/l)	Co (mg/l)	Cd (mg/l)	Cu (mg/l)	Pb (mg/l)	Fe (mg/l)	Ni (mg/l)	Sb (mg/l)	Zn (mg/l)	Hg (µg/l)	O & G (mg/l)	Cr^{+6}	Total Cr (mg/l)	PHENOL (mg/l)	Na %	Sulphide (mg/l)	Phosphate (mg/l)	Mn (mg/l)	Cyanide (mg/l)	Compliance Status
3	Chaudhary Skin Trading Company, D-34, Site-B, Surajpur, Greater Noida	5.9			91	50	8														21									Non Complying
4	Colour & Style (P) Ltd, A-I/2. 8/9, Site - B. Surajpur, Greater Noida									105	102		BDL	BDL	BDL	0.51	BDL		BDL	BDL	17		BDL	0.2						Non Complying
9	M.K.Leather Trading Company, D-33, Site B, Surajpur, Greater Noida	7.85			48		82				882									BDL	BDL	BDL	0.01		33					Non Complying
10	Shree Jagdamba Knits (P) Ltd, P.No.-95,105, Site-B, Surajpur, Greater Noida	7.47			32		120			62	208		BDL	BDL	BDL		BDL		0.04	BDL	BDL	BDL	BDL	0.16				0.1		Non Complying
11	New Holland Tractors (P) Ltd, Plot Ne.-3, Udyog Kendra, Greater Noida	7.6			113		89			20	74		BDL	BDL	BDL		0.14		0.2	1.33	BDL	BDL	BDL					0.76		Non Complying
12	Sky Lark Dyeing (P) Ltd.,Plot No.- B-2/14, Site-B, SurajpurGreater Noida	8.83			151		207			98	725		BDL	BDL	BDL		0.01		0.16	BDL	11	BDL	BDL	0.12				0.09		Non Complying
13	Yamaha Motor India (P) Ltd., Noida-Dadri Road, Greater Noida	7.45	2310		23	98	36	BDL			153	0.53	BDL	0.06	BDL	0.14	8.9	BDL	1.12		5		0.16	BDL				1.02		Non Complying
14	Suchi Paper Mills, Bisrakh Road, Chapraulla, G.T. Road	7.62			113	77	13														BDL									Non Complying
15	Kawatra Papers (P) Ltd., Dhoom Manikpur, G.T. Road, Dadri	7.52			163	275	45																							Non Complying
17	M/s Amber Enterprises Ltd, Plot No-C-3, Site-4, Ksana Greater Noida	8.02	1590		438	383	56	6			82	0.01	BDL	0.07	0.03	2.44	5.8	0.06	14.56				2.3					6.81		Non Complying
20	M/s Capital Dyeing Works, Plot No.C- 6, Site-C. Surajpur, Greater Noida	7.97		2956	212	530	306	8															0.05							Non Complying
21	M/s Control & Switch Gear Co. Ltd. Plot No.B-1.Site-4, Kasna,Greater Noida	8.26			1740	39								0.17	BDL	0.11	0.01		0.24										0.6	Non Complying
22	M/S Expert Metal Tech Pvt. Ltd. Plot no-192, Udyog kendra, Greater.Noida	12.46			338	1470								46.43	BDL	11.68	0.1		84.49				2.1						24.16	Non Complying
23	M/s G.T. Cargo Fittings Pvt. Ltd. Plot no.92, Udyog Kendra, Greater Noida	9.3			66	115		6						0.06	BDL	14.46	0.04		1.25		7		0.21						0.58	Non Complying
27	M/s Hero Motors Ltd. (Puch Division), VIII- Accheja, G.T.Road, Gr. Noida	7.63			24								0.44	BDL	0.29	0.92	BDL		1.15		28		BDL							Non Complying
28	M/s Honda Siel Power Product Ltd, Plot no. -5, Sec--41. Ecotech -I, Gr.Noida	8.13			9								BDL	BDL	BDL	0.65	BDL		0.56		12		BDL							Non Complying
30	M/s Indus Tubes ltd. Viil. Chhaproulla, G.T.Road, Gr.Noida.	7.92			60								BDL	BDL	BDL	0.1	BDL		0.07		42		BDL							Non Complying
31	M/s Jayanita Export (P) Ltd. PLOT NO. A-1, EPIP, KASNA, Gr. NOIDA	7.82			383			7			17		BDL	1.52	0.07	14.05	8.06		16.74		10		0.05						1.07	Non Complying

Industry S.No	Industry Name and Address	pH	Cond in (µmhos/cm)	TDS (mg/l)	TSS (mg/l)	COD (mg/l)	BOD (mg/l)	NH_3-N (mg/l)	Fluoride (mg/l)	Sulphate (mg/l)	Cl (mg/l)	Co (mg/l)	Cd (mg/l)	Cu (mg/l)	Pb (mg/l)	Fe (mg/l)	Ni (mg/l)	Sb (mg/l)	Zn (mg/l)	Hg (µg/l)	O & G (mg/l)	Cr^{+6}	Total Cr (mg/l)	PHENOL (mg/l)	Na %	Sulphide (mg/l)	Phosphate (mg/l)	Mn (mg/l)	Cyanide (mg/l)	Compliance Status
32	M/s J.M.V.L.P.S. Ltd., (Ex Name J.M.V. Earthing Equipment pvt. Ltd) Plot No- J-12, Site-C, UPSIDC, GR. NOIDA	11.14			150			18			30		BDL	52.2	BDL	0.27	BDL		0.3		BDL		BDL						30	Non Complying
33	M/s JBM Autotech, PLOT NO-J- 5, SITE-C, Gr. Noida	7.55			130			211			BDL		0.01	BDL	BDL	4.4	BDL		5.14		11		BDL						0.69	Non Complying
34	M/s Material Movellindia (P) Ltd, Plot.No.G-86/1, Site-S, UPSIDC, Gr. Noida	1.97			448			2			BDL		BDL	0.24	0.14	1418.98	1.13		319.68		21		0.87				8.85		0.08	Non Complying
36	Nippon Tube ltd, Bisrakh Road, Vill.-Chapraulla, Gr. Noida.	3.44			133			256			BDL		0.75	BDL	0.1	1858.78	0.28		453.58		BDL		0.04						0.09	Non Complying
37	M/s R.S. Infrastructure Pvt. ltd. PLOT NO.12/1, Site -C, SURAJPUR, Gr.Noida	4			330			114					BDL	BDL	BDL	0.31	0.04		14.62				BDL							Non Complying
38	M/s Rahul lonTech Pvt. LTd, PLOT NO -143, Udyog Kendra, Gr.Noida	7.61			72			7					BDL	0.55	1.34	0.43	29.31		0.35				0.62						0.22	Non Complying
43	M/s Vimal Dyeing, PLOT NO.H-41, SITE-C, Gr.Noida	7.76			24	81	31	4				BDL	BDL	BDL	BDL	0.97	BDL		BDL				BDL					0.08		Non Complying
44	M/s Vikas Wire Industries PLOT NO.J-37 SITE-C, Gr. Noida	2.51			81	267	108					BDL	BDL	0.04	0.07	1307	0.09		0.45		78		0.23					11.1		Non Complying
46	M/s METAL TECH DESIGN (P) LTD, PLOT NO.-7 D, UDYOG KENDRA, Gr. Noida	9.9			6	20	9																				1.48			Non Complying
47	M/s INDIA DYEING & TEXTILES PLOT NO., F-75 SITE-B G.NOIDA	11.75			133	469	76	6				BDL	0.02	BDL	0.03	4.76	0.02		0.05				BDL					0.04		Non Complying
49	M/S NEUMAN COMPONENTS PVT LTD, PLOT NO-35, SEC-31, KASNA, GR.NOIDA	7.19			672		89						BDL	BDL	BDL		0.35		0.6				0.01							Non Complying
52	M/S Surya fresh Food Ltd., PLOT NO-14, Surajpur, GR.NOIDA	7.29			10		106														BDL									Non Complying
54	M/S KRBL Ltd., Village- Achchheja, G.T. Road Dadrt. GR. NOIDA	5.45			BDL		3														BDL									Non Complying
55	M/s Bajaj Hindustan ltd, Sugar Unit, Kinoni, Meerut	7.76			27	52	13														37									Non Complying
58	M/s Ramala Sahkari Chini Mills Ltd, Ramala, Bagpat	6.97			135	984	460														2									Non Complying
60	M/s Bajaj Hindustan Ltd. Bhaisana, Muzaffarnagar	7.46			172	165	27														1									Non Complying
67	M/s Garg Duplex & Paper Mills (P) Ltd. Bhopa Road	8.58		480	BDL	22	6																							Non Complying
70	M/S Bindalas Duplex Ltd, (Unit-1) Bhopa Road	7.94		2172	31	123	13																							Non Complying
71	M/S Bindalas Duplex Ltd, (Unit-2) Bhopa Road	7.72		2596	43	120	18																							Non Complying

Industry S.No	Industry Name and Address	pH	Cond in (µmhos/cm)	TDS (mg/l)	TSS (mg/l)	COD (mg/l)	BOD (mg/l)	NH_3-N (mg/l)	Fluoride (mg/l)	Sulphate (mg/l)	Cl (mg/l)	Co (mg/l)	Cd (mg/l)	Cu (mg/l)	Pb (mg/l)	Fe (mg/l)	Ni (mg/l)	Sb (mg/l)	Zn (mg/l)	Hg (µg/l)	O & G (mg/l)	Cr^{+6}	Total Cr (mg/l)	PHENOL (mg/l)	Na %	Sulphide (mg/l)	Phosphate (mg/l)	Mn (mg/l)	Cyanide (mg/l)	Compliance Status
72	M/S Shakumbari Pulp & Paper, 4.5 Km Stoen, Bhopa Road	8.3		2276	16	60	17																							Non Complying
73	Ms. N.S. Papers Ltd. [Unit-I], Jansath Road, Muzaffar Nagar	7.74			14	105	31																							Non Complying
74	M/s. N.S. Papers Ltd. [Unit-3], 8 Km, Jansath Road, Muzaffar Nagar	7.74			14	105	31																							Non Complying
79	M/S Tehri Pulp & Papers Ltd. (Unit-I), 9th Km Stone, Bhopa Road	2.84			BDL		6																							Non Complying
82	M/S Shri Bhageshwari Paper Mills (P) Ltd., 9 th Km Stone (Unit-I), Bhopa Road, Muzaffarnagar	7.87			147		160																							Non Complying
86	M/s K.K. Duplex & Paper mill Pvt. Ltd., 8.5 Km Stone, Jansath Road, Muzaffarnagar	7.1		948	74	284	174														18									Non Complying
88	M/S Bindal Papers Ltd. Bhopa Road, Muzaffarnagar.	6.25		2236	89	161	38			92											9									Non Complying
100	M/s Parijat Paper Mill, Bhopa Road, Muzaffarnagar	7.26			BDL	265	53																							Non Complying
107	M/s NTPC Ltd.,Dadri, Gautambudh Nagar	6.42			34														0.04				BDL			BDL				Non Complying
111	The Kisan Sahakari Chini Mill, Nanouta, Saharanpur UP	6.89		1264	121	899	462														9									Non Complying
112	Daya Sugar Gagalheri, Saharanpur, U.P	7.77		744	203	264	53														11									Non Complying
113	Triveni Engg. & Industires Ltd., Deoband, saharanpur, U.P	7.96		816	34	80	11														BDL									Non Complying
114	Bajaj Hindustan Sugar Ltd., Gangoli Saharanpur, U.P	7.51		1332	47	56	5														6									Non Complying
121	A.L. M. Industries (Slaughter House), 43, Qutab Market, Near Qutab Sher Thana, ambala Road, Saharanpur				22		5														12									Non Complying
127	Deep Industries Delhi Road, I.E., Delhi Road, Saharanpur	7.6			12	27	9	4													2		BDL	0.1		3.3				Non Complying
128	Atul Textile Industried Ltd., Shakumabari, Behat Road, Saharanpur	7.13			127	189	65	2													13		BDL	BDL		0.23				Non Complying
129	M/s Siddhartha Textile, Aziz colony, Chilkana Road, Saharanpur	7.06			151	790	303	4													19		BDL	0.32		16.47				Non Complying
134	M/s Shree Krishna Board Mill, Gagadhedi, Saharanpur	7.09			1347	395	164					BDL	BDL	0.17	0.32	5.38	0.01	BDL	0.55			BDL					0.57		Non Complying

Industry S.No	Industry Name and Address	pH	Cond in (µmhos/cm)	TDS (mg/l)	TSS (mg/l)	COD (mg/l)	BOD (mg/l)	NH_3-N (mg/l)	Fluoride (mg/l)	Sulphate (mg/l)	Cl (mg/l)	Co (mg/l)	Cd (mg/l)	Cu (mg/l)	Pb (mg/l)	Fe (mg/l)	Ni (mg/l)	Sb (mg/l)	Zn (mg/l)	Hg (µg/l)	O & G (mg/l)	Cr^{+6}	Total Cr (mg/l)	PHENOL (mg/l)	Na %	Sulphide (mg/l)	Phosphate (mg/l)	Mn (mg/l)	Cyanide (mg/l)	Compliance Status
153	A.B.Cycle Parts Pvt. Ltd., S-24, South Side of G. T. Road, Gzb.	9.09			122			29					BDL	0.01	BDL	3.66	BDL		23.96	BDL	9	1.32	4.9						0.13	Non Complying
157	Amko Export, A-1, B.S. Road Ind.Area, Gzb.	9.95			103	478	231			83			BDL	0.01	BDL		0.05		0.02	BDL	17		0.07							Non Complying
158	Amrit Foods, Amrit Nagar, G.T. Road East Gzb.	7.19			89	223	115		0.59	96		0.02	0.01	BDL	0.03	0.77	0.02		0.11		17		BDL							Non Complying
160	Balaji Enterprises, B-22/1/15, B.S.Road Ind. Area Gzb.	5.11			67	720	302						0.34	0.1	0.59	0.68	0.01		1.54				0.3							Non Complying
162	Elin Electonics Ltd., C-142-144, BS Road, Industrial Area, Gzb.	7.52			145	100	27						BDL	0.02	BDL	3.33	0.04		8.71	BDL	12		BDL							Non Complying
163	Indian Textiles Co., E-49, B.S. Road, Gzb.	9.33			236		74														9									Non Complying
165	Karam Chandra Chains Ltd., C-229, BS Road Ind.Area Gzb.	10.85			242		13														13									Non Complying
166	Karam Chandra Rubber Pvt. Ltd., C- 230 B5 Road Ind. Area Gzb.	8.74			372		10														BDL									Non Complying
172	Northern India Cyco parts, E-2, SS GT road, ghaziabad	11.88			100								BDL	BDL	0.1	0.51	0.04		0.01		BDL	BDL	0.78						0.3	Non Complying
174	M/s S S Metal Finisher formely S.S.Enterprises, 363, Pandav Nagar, Ghaziabad	6.92			154								0.33	0.44	0.32	0.02	0.09		3.14			BDL	BDL						0.15	Non Complying
181	M/s Tarun International C-15, SS of GT road, Ghaziabad																				28									Non Complying
186	M/s Exclusive leathers, Khasara No, 2751, Bhoorgarhi Dasna , Ghaziabad	8.18			108		509						BDL	BDL	0.02		0.02		0.07		5	BDL	0.18							Non Complying
187	Futuro Component Pvt. Ltd., koshilya road Hindon River, Dasna, Ghaziabad				45			6				BDL		BDL	BDL	4.72	1.67		0.1		6		0.19							Non Complying
191	M/s Shree Ganga Paper Mills Pvt. Ltd. Bhurgadi, Dasna, Hapur Road, Ghaziabad, UP	5.85		18140	1207	13384	9110																							Non Complying
192	M/s Triyash Enterprises, Khasra no-2751, Village-Bhoorgarhi Dosna, Ghaziabad	8.22					41				198	BDL	BDL	BDL	BDL	0.19	BDL	BDL	BDL		BDL		1.02		69			0.05		Non Complying
194	M/s Devtara Industries, Meerut Road Duhai Muradnaaar Gzb.	8.91		1016	139	535	305						BDL	0.1	BDL		0.03		0.04		15		0.29							Non Complying
195	M/s A & A, S-50, Loni Road Ind. Area Site II Mohan Nagar Gzb.	8.18		3320	74	281	57						BDL	0.09	BDL		BDL		0.07				BDL							Non Complying
196	M/s A.N.Fabric (Ex. Name B.K. Enterprises), 5/6, site-2, Loni Road, Mohan Nagar Gzb.	10.68		4536	235	1065	613						BDL	0.09	BDL		0.02		0.12				0.05							Non Complying

Industry S.No	Industry Name and Address	pH	Cond in (µmhos/cm)	TDS (mg/l)	TSS (mg/l)	COD (mg/l)	BOD (mg/l)	NH_3-N (mg/l)	Fluoride (mg/l)	Sulphate (mg/l)	Cl (mg/l)	Co (mg/l)	Cd (mg/l)	Cu (mg/l)	Pb (mg/l)	Fe (mg/l)	Ni (mg/l)	Sb (mg/l)	Zn (mg/l)	Hg (µg/l)	O & G (mg/l)	Cr^{+6}	Total Cr (mg/l)	PHENOL (mg/l)	Na %	Sulphide (mg/l)	Phosphate (mg/l)	Mn (mg/l)	Cyanide (mg/l)	Compliance Status
199	M/s Ambica Steels Ltd.,plot no. 32 site-2 Loni road Industrail Area Mohan Nagar, Ghaziabad, U.P.	1.29			15															BDL									Non Complying
200	M/s Asha Tanu Prints Ltd., A-5/4 Loni road Mohan Nagar, Ghaziabad, U.P.	7.18			108								BDL	0.04	BDL	0.59	BDL		0.12	BDL		0.09								Non Complying
202	M/s Bansal Wire Industries Ltd, B-3, Loni road, Mohan Nagar, Ghaziabad, U.P.	1.39			13																								Non Complying
214	Non Stop Colours, Plot No-3, LoniRoad Site-2, Gzb.	7.75			33	149	52						BDL	BDL	BDL	0.13	BDL		0.09		BDL		BDL	0.15						Non Complying
217	S.R.Prints, C-I, Loni road Ind.Area Mohan Near Gzb.	7.21			105	779	424						BDL	BDL	BDL	0.43			0.03		12		BDL	BDL						Non Complying
219	M/s Sai Processing 7/37, site no-2 Loni Road Mohan Nagar Gzb.	10.09			237	551	255						0.01	0.4	BDL	1.33	0.01		0.16				BDL	0.1						Non Complying
224	Yadav Industries, C-11, Loni Road Ind.Area Gzb.	6.96			74								BDL	0.18	1.34	647.1	0.12		109.89		BDL	21.79							0.09	Non Complying
225	Agarwal Galvanizing, Unit-2, A-8/6, Meerut Road Ind. Area Guldar Ghaziabad	2.34			237								BDL	0.03	BDL	0.51	0.07		0.01		BDL	0.08								Non Complying
226	Albert David Ltd., B-13, Meerut Road industrial Area Ghaziabad.	8.12			21		2								BDL					BDL	11	BDL		0.1					0.05	Non Complying
227	Chemo Pulp Tissues Pvt. Ltd., A-4, Set 22, Meerut Road Ind. Area Gzb.	4.39			31		5						BDL	BDL			BDL													Non Complying
230	E.C.E. Ltd., A-20, Meerut Road Ind. Area Gzb.	2.09			76	12280	8335									17.71	1.33		5.37				0.04							Non Complying
231	Parle Agro P Ltd. A-7, Sector-22 Meerut Road, Ind. Area, Gzb.	8.29			33	39	14														11									Non Complying
232	Hamdard (Wakf) Laboratories, (1 & 2) B-2 &3 Meerut Road Gzb.	6.09			380	11580	6984																							Non Complying
234	Kathuria Brothers, A-l2, Site -3, Industrial Area, Meerut Road Gzb.	6.61			47	4896	2246														BDL	0.2								Non Complying
235	Kathuria Brothers,(Cycle Section) A-12 Meerut Road Industrial Area Gzb.	7.32			31	4896	2246							0.12	0.08		0.11		20.25		BDL		0.02							Non Complying
236	Marshal Cycles, B-17/18, Meerut Road Industrial Area Gzb.	7.24			19					593				0.16	0.18	0.77	25.36		0.18			0.46	0.46			0.08				Non Complying
238	North Land Cycle Co. Ltd., D-21, meerut Road Industrial Area Ghaziabad	11.86			13306					245					0.2	570			236				5.47							Non Complying
242	Shri Ram Piston & Rings Ltd., MeerutRoad Ind. Area Gzb.	7.76			<10	93	20						0.04	0.18	0.09	0.38	0.09		0.01		8		BDL						0.8	Non Complying
244	Techno Enterprises, A-13/12 Meerut	7.36			991	640	170						BDL	10.23	0.06	7.14	0.01		0.24		18	BDL	214.99						0.08	Non

Industry S.No	Industry Name and Address	pH	Cond in (µmhos/cm)	TDS (mg/l)	TSS (mg/l)	COD (mg/l)	BOD (mg/l)	NH_3-N (mg/l)	Fluoride (mg/l)	Sulphate (mg/l)	Cl (mg/l)	Co (mg/l)	Cd (mg/l)	Cu (mg/l)	Pb (mg/l)	Fe (mg/l)	Ni (mg/l)	Sb (mg/l)	Zn (mg/l)	Hg (µg/l)	O & G (mg/l)	Cr^{+6}	Total Cr (mg/l)	PHENOL (mg/l)	Na %	Sulphide (mg/l)	Phosphate (mg/l)	Mn (mg/l)	Cyanide (mg/l)	Compliance Status
	Road Gzb.																													Complying
245	Ultra Electroplaters, 46 Meerut Road Gzb.	2.18			46	316	56						BDL	0.4	0.06	99.77	0.07		182.58		18	BDL	5.55						0.08	Non Complying
246	Unichem Laboratories, C-31, MeerutRoad Gzb.	7.47			67	167	70														8									Non Complying
247	Uttam Toyata, A-11, Meerut Road IndArea Gzb.	7.38			82								BDL	BDL	0.02	1.39	BDL		0.15	BDL	11		BDL					0.28		Non Complying
248	Zeeta Ind.Corporation Ltd., B-8,Meerut Road Gzb.	6.21			98								BDL	BDL	BDL	13.61	0.1		8.87	BDL	3		BDL					0.97		Non Complying
250	N.G. Textiles., 13A/10, Site-2, LoniRoad I.A., Mohan NGR	7.05			20	78	14						BDL	BDL	BDL	0.29	0.07		0.07	1.06	10		BDL							Non Complying
252	Usha Cycle, E-9, S.S. of G.T. Road Ind.Area, GZB.	8.82			277	33	14						**BDL**	**3.55**	**0.07**	1.24	**2.26**		**BDL**	BDL	BDL		0.02					0.06		Non Complying
253	M/s Sheetal industries, S-40, south sidecind area G.T Road Ghazibad, dated	9.82			37			3					0.37	0.22	0.17	0.41	0.11		0.41		3	BDL	0.06				0.07			Non Complying
254	M/s Shivam Engineers Fabrictors 22/9, SS of GT Road ind AREA Ghziabad	1.86			19	51	8	28					0.09	BDL	0.25	39.44	BDL		51.14		BDL	BDL	0.39						0.22	Non Complying
257	M/s Tarun International (P) Ltd., C-15 South Side Ind. Area G.T. Road , Ghaziabad				31	220		28					0.96	0.12	1.21	1645	0.68		3.42	2.94	16									Non Complying
259	M/s A.C.E. Hardware Pvt Ltd, B-5, Bulandshahar Road, Industrial Area, Ghaziabad	6.93			51			19					BDL	17.06	0.19	0.57	3.59		0.74	BDL	BDL	BDL	1.07	0.41					0.57	Non Complying
261	M/s N. G. Wash (formerly named as Apex Udyog) I-4, Sec-D1, Apparel Park, Tronica City, Ghaziabad	6.86			146	266	87	8													BDL		BDL	0.26	2.13					Non Complying
262	M/s Chacha Enterprises, J-4, Sec. D-1(P-3), Apparel Park, Tronica City, Loni.	11.22			252	195	87	4													BDL		BDL	0.41	4.14					Non Complying
264	M/s Deepak Gambhir, E-12 Apparel Park, Sector D-1(P3), Tronica City, Loni.	7.46			82	145	44	6													BDL		BDL	0.11	1.48					Non Complying
265	M/s Denim Matching, G-141, Apparel Park Tronica City, Ghaziabad	5.96			214	465	222						BDL	BDL	BDL	0.78	BDL		0.32	1.76			BDL							Non Complying
270	M/s Galaxi Garments, K-22, Sector D-1, Tronica City, Apparel Park, Loni Ghaziabad.	6.69			51	284	118						BDL	BDL	BDL	0.49	BDL		0.02	2.27			2.05							Non Complying
271	M/s Gulshan Rai Jain, G-82, Apparel Park, Sector D-1 (P3), Tronica City, Loni,	7.21			20		97						BDL	0.02	BDL	0.86	BDL		0.03		24		0.03	0.13						Non Complying
275	Laxmi Bleach, G-102, See D-1(P3),Apparel Park, Tronica City, Loni, Ghaziabad.	8.79			486	167	63						BDL	0.04	BDL	3.97	BDL		0.05		9		0.02	0.13						Non Complying

Industry S.No	Industry Name and Address	pH	Cond in (µmhos/cm)	TDS (mg/l)	TSS (mg/l)	COD (mg/l)	BOD (mg/l)	NH_3-N (mg/l)	Fluoride (mg/l)	Sulphate (mg/l)	Cl (mg/l)	Co (mg/l)	Cd (mg/l)	Cu (mg/l)	Pb (mg/l)	Fe (mg/l)	Ni (mg/l)	Sb (mg/l)	Zn (mg/l)	Hg (µg/l)	O & G (mg/l)	Cr^{+6}	Total Cr (mg/l)	PHENOL (mg/l)	Na %	Sulphide (mg/l)	Phosphate (mg/l)	Mn (mg/l)	Cyanide (mg/l)	Compliance Status
277	M.S. Trading, E-15, Sector D-1(P), Aparels Park, Troniea City, Loni.	6.88			148		56						BDL	0.04	BDL	2.61	BDL		0.14		10		0.01	0.1						Non Complying
278	Nandi Enterprises, J-15. Sec D-1(P3), Apparel Park, Tronica City, tent,	8.17			41		17						BDL	BDL	BDL	0.21	BDL		0.01		12		BDL	0.17						Non Complying
279	Nandi Enterprises, K-14, Apparel Park, Sector D-1 (P3), Tronica City, Loni,	7.43			134		63						BDL	0.09	BDL	0.79	BDL		0.12		13		0.01	0.11						Non Complying
280	National Industries, G-264, Apparel Park, Sector D-1(P3). Tronica City, Gzb.	4			41		6						BDL	0.21	BDL	1.2	BDL		0.13		9		BDL	BDL						Non Complying
281	Om Prakash Sharma, J-11, Apparel Park. Sector D-1(P3). Tronica City, Ghaztabad	6.05			177		218						BDL	0.04	BDL	0.75	BDL		0.05		8		BDL	0.15						Non Complying
282	Pooja Pahawa, K-11, Apparel Park, Sector D-1(P3), Tronica City, Loni.	4.99			99		61						BDL	BDL	BDL	0.52	BDL		0.02		18		0.02	0.11						Non Complying
290	Roop Trading Company, E-14, Sec-D- 1, pocket-3, Appral Park, Tronica city, loni, Ghaziabad.	7.99			122	553	104						BDL	0.12	BDL	1.16	BDL		0.05	1.26			BDL							Non Complying
293	S.D. Garments, 1-2, Sector-D-1, pocket 3, Appral Park, Tronica city, Loni, Ghaziabad.	7.64			256	362	171						BDL	0.43	BDL	1.21	BDL		0.4				0.02							Non Complying
294	S.T. Traders, J-5, sector d-1 , Apparel park, Tronica city , Loni, Ghaziabad	7.42			167	384	99						BDL	0.06	BDL	53.11	BDL		0.19				0.12							Non Complying
295	S.V.S. Fashion, J-22, Apparel Park, Sector D-1(P3), Tronica City, Loni, Ghaziabad.	7.06			419		181		0.56	115			BDL	0.21	BDL		BDL		0.18	1.26	81		0.02	0.26						Non Complying
297	Sandeep Tyagi, G-271, Sec D-1(P3), Apparel Park, Tronica City, Loni, Ghaziabad.	7.31			452		199		2.02	417			BDL	BDL	BDL		BDL		0.51	BDL	BDL		BDL	0.14						Non Complying
299	Sara International, G-65-266, Apparel Park, Sector D-1(P3), Tronica City, Loni. Ghaziabad,	6.89			252		218		0.31	81			BDL	BDL	BDL		BDL		0.21	BDL	11		0.05	0.41						Non Complying
310	Vaishali Hosiery, 1-17, Sector D-1, Apparel Park, Tronica City, Loni, Gzb.	6.73	2350		81	448	164						BDL	0.02	BDL		BDL		BDL		8			0.26						Non Complying
311	Vedanta Estate, I-11, Apparel Park, Sector D-1(P3), Tronica City, Loni. Gzb.	6.46	6710		836	1577	610						BDL	1.25	BDL		0.02		0.3		11			0.5						Non Complying
313	M/s Vedanta Estate, J-12, Apparel Park, Sector D-1(P3), Tronica City, Loni.								1.56	276			BDL	0.07	BDL	0.69	BDL		0.15	1.01	20									Non Complying
314	M/s U-Like Industry, G-110, Apparel Park, Sector D-1(P3), Tronica City, Loni.								1.1	177			BDL	3.46	0.03	10.59	3.72		5.19	1.52	19									Non Complying

Annexure XV

Proposed Action Plan for Rejuvenation of River Hindon

1. Introduction- River Hindon

The river Hindon is an intermittent river and originates from lower Shavlik ranges in District Saharanpur in Uttar Pradesh. During non-monsoon, the river is dry on upstream of Saharanpur and carries no water in it. Flow in the river starts with discharge of municipal sewage and trade effluents from Saharanpur onwards. The river Kali (West) and Krishni are the tributaries of river Hindon. Both the tributaries also carry sewage and industrial effluents. **Figure P1** shows the river Hindon and its trirbutaries as well as various drains contributing pollution load in river Hindon.

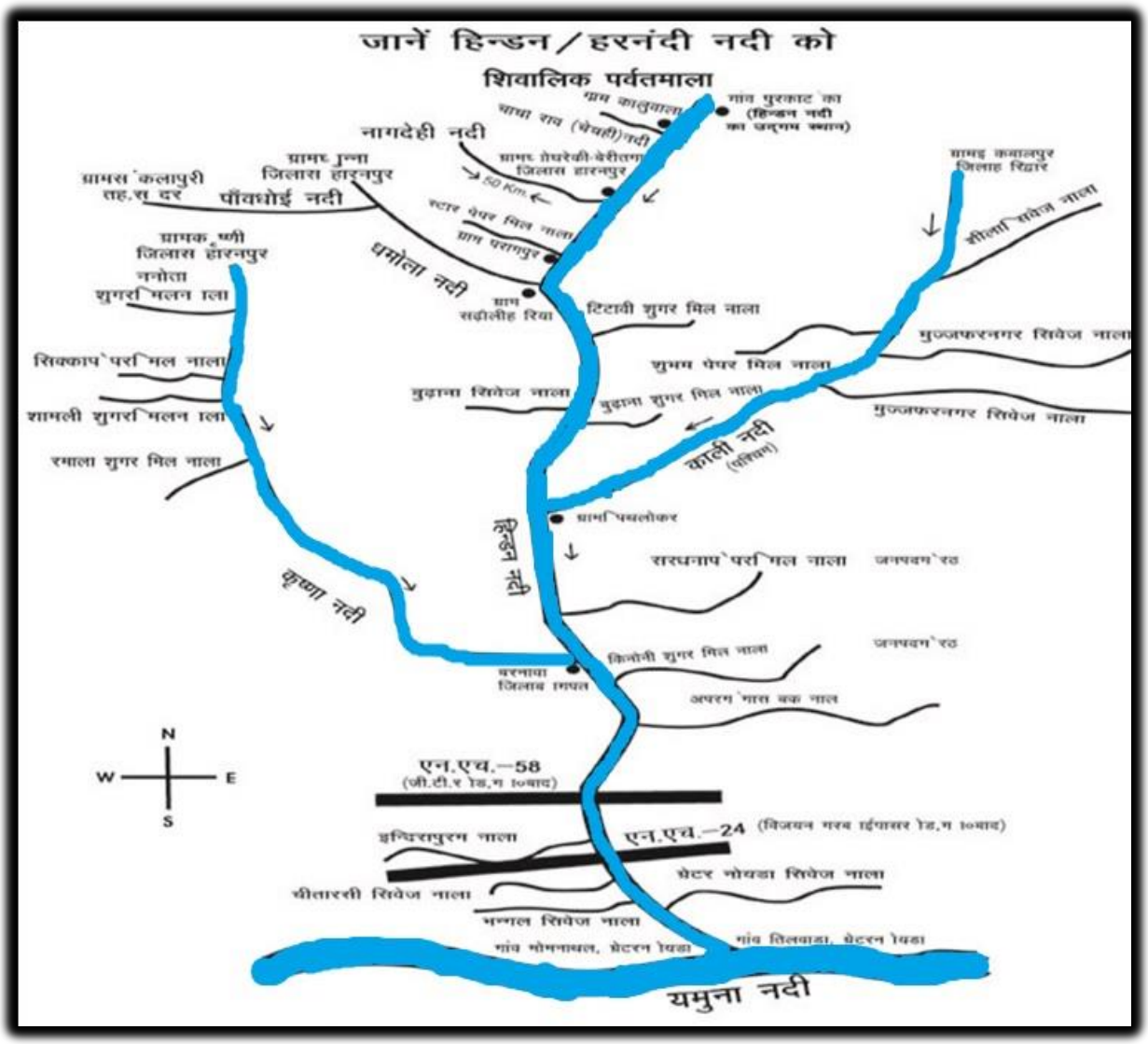

Figure P1. River Hindon and its tributaries River Kali (West) and Krishhi as well as drains contributing pollution load in river Hindon

2. Water Quality Goals

It is an important aspect for revival of river Hindon in context of its utility as it is non-perennial River. The ultimate goal for beneficial use of river will determine the level of actions to be taken for maintaining the water quality. Under the present circumstances, it appears that river Hindon may serve the purpose of irrigation and for this objective, generated municipal sewage should be treated to meet the irrigation standards. Also, the industrial effluents generated from the catchment of river Hindon which are ultimately joining and contributing to the pollution load in river Hindon should be treated to meet the effluent discharge standards stipulated under Schedule-VI of the Environment (Protection) Rules, 1986 which is given as **Annexure-PI.**

The requirement of river water quality for wild life and fish propagation also requires more stringent conditions and river water quality has to maintain adequate Dissolved Oxygen (DO) content so as to support survival of fish and other aquatic life. Comparative suggested criteria for Irrigation, wild life and survival of fish life in river Hindon is given in the following **Table P1**.

Table P1. Suggested criteria for Irrigation, wild life and survival of fish life

Sl.No	Parameters	Class 'D' Water Quality Criteria –for Propagation of Wildlife and Fish	Class 'E' Water Quality Criteria for Irrigation
1	pH	6.5 to 8.5	6 to 8.5
2	Dissolved Oxygen (DO)	≥ 4.0 mg/l	-
3	Sodium Absorption Ratio	-	≤ 26
4	Boron	-	≤ 2.0 mg/l
5	Free Ammonia as N	≤ 1.2 mg/l	-
6	Electrical Conductivity at 25 ^{o} C µmhos/cm		≤2250

3. The Basis of Proposed Action Plan for rejuvenation of river Hindon

River Hindon being intermittent river, the action plan for maintaining water quality will be different from that of the perennial rivers. Presently, the river Hindon and its tributaries (Kali-West and Krishni) are acting as treated or partially treated wastewater carrying channels. Therefore, the action plan for prevention and control of pollution of river Hindon has been drafted based on the following documents:-

(i) The River Ganga (Rejuvenation, Protection and Management) Authorities Order, 2016; and

(ii) Orders of Hon'ble National Green Tribunal (NGT) (PB) in the matter of M.C. Mehta Vs Union of India & Others (i.e., Directions for segment 'A'-Gaumukh to Haridwar in Uttarakhand, dated 10/12/2015 and Directions for Segment 'B' Haridwar Downstream to Kanpur/Unnao in Uttar Pradesh, dated 13/7/2017).

4. Components of Action Plan

The proposed action plan covers following components:

4.1 Source control

Source control includes industrial pollution control and treatment and disposal of domestic sewage as detailed below:-

(a) Industrial pollution control

i) Inventorisation of industries
ii) Categories of industry and effluent quality
iii) Treatment of effluents, compliance with standards and mode of disposal of effluents
iv) Regulatory regime.

(b) Channelisation, treatment, utilization and disposal of treated domestic sewage.

i) Identification of towns in the catchment of river Hindon and estimation of quantity of sewage generated and existing sewage treatment capacities to arrive at the gap between the sewage generation and treatment capacities;
ii) Storm water drains now carrying sewage and sullage joining river Hindon and interception and diversion of sewage to STPs
iii) Treatment and disposal of septage and controlling open defecation
iv) .Identification of towns for installing sewerage system and sewage treatment plants.

4.2 River catchment/Basin management-Controlled ground water extraction and periodic quality assessment

i) Periodic assessment of groundwater resources and regulation of ground water extraction by industries particularly in over exploited and critical zones/blocks
ii) Ground water re-charging /rain water harvesting
iii) Periodic ground water quality assessment and remedial actions in case of contaminated groundwater tube wells/bore wells or hand pumps.
iv) Assessment of the need for regulating use of ground water for irrigation purposes.

4.3 Flood Plain Zone.

(a) Regulating activities in flood plain zone.
(b) Management of Municipal, Plastic, Hazardous, Bio-medical and Electrical and Electronic wastes.
(c) Greenery development- Plantation plan.

4.4 Ecological/Environmental Flow (E-Flow)

(a) Issues relating to E-Flow
(b) Irrigation practices

5. The Hindon-Rejuvenation/Revitalization plan.

Following are the action plan for rejuvenation of river Hindon as detailed below:

5.1 Industrial Pollution Control

Following are the suggestions for control of sector-wise pollution control:-

(i) Sugar Industries

Fourteen (14) Sugar Industries should not be permitted to discharge treated /untreated effluents in any drain. Treated effluent should be completely utilized for irrigation purpose. Consent condition accordingly, is modified by UPPCB prior to start of next crushing season of the sugar industry.

(ii) Distilleries

(a) All the distilleries should operate only with 'zero liquid discharge' (ZLD) system. In no case, spent wash be either disposed in drains or on land.
(b) Molasses generated should be properly stored and no spillages be allowed during handling.
(c) The composted spent wash after Reverse Osmosis (RO)/ Multiple Effect Evaporator (MEE), the compost should meet the standards and after ensuring that the composted material does not leach color only such composted material may be used for land application.

(iii) Pulp and Paper/Straw Board Units

(a) Fifty six units comprising Pulp and Paper and straw board manufacturing units should not be permitted to dispose generated effluents in any drain.
(b) Agro-based pulping should be banned or prohibited in the catchment area of river Hindon and its tributaries.
(c) Pulp and paper units should meet charter criteria as suggested by CPCB.
(d) Sludge being used for making boards and proper records should be maintained end use of generated sludge and the concerned industry shall ensure that no over-flow from sludge drying bed occur.

(iv) Textile Units

One hundred (100) Textiles units should meet the inland surface wastewaster discharge norms and these units should also be insisted to reuse treated effluents in the process to minimize fresh water consumption. To achieve this UPPCB shall fix specific waste water generation limit to reduce it to atleast half of the present average value.

(v) Electroplating

(a) Forty six (46) electroplating industries which are the main source of metallic contamination of surface and ground water and therefore should be insisted for 'ZLD' system.

(b) All the electroplating units or having electroplating process or industrial processes which are likely to discharge effluents containing heavy metal or pollutants that may damage environment, in such cases, U.P.PCB shall make necessary amendments to the Consents granted under Water (Prevention and Control of Pollution) Act, 1974 for incorporation of the effluent discharge standards for all the parameters as prescribed under Environment (Protection) Act, 1986.

(vi) *Tanneries*

(a) Six (6) Tanneries should meet the effluent discharge standards of stand-alone units.
(b) Recovered chrome salt should be used or recycled in the process within the industry and should minimize chrome consumption.
(c) Standards of Total Dissolved Solids (TDS) should be strictly complied and accordingly Consent conditions be modified with proper prescription on mode of disposal of treated effluents.

(vii) Slaughter House, Frozen Meat Packing and Dairy Units

Eleven Slaughter houses and Frozen meat packaging units and Four Dairy units should install adequate capacity ETPs and maximize utilization of treated effluent in the process.

(viii) Thermal Power Plant

Thermal Power Plant (01) (exclusively for power generation) as well as Captive Thermal Power Plants in operation should meet the discharge standards notified under the Environment (Protection) Act, 1986.

(ix) All the industry including remaining 74 no. of Industrial units should have Consents under Water (Prevention and Control of Pollution) Act, 1974 and Air (Prevention and Control of Pollution) Act, 1981 as well as Authorisation under the Hazardous & Other Waste (Management & Transboudary Movement) Rules, 2016 as amended and Consents or Authorisation as applicable should be granted or renewed only after verification or ensuring adequate systems for disposal of treated effluents or verification of complinces to the granted Consents/Authorisation strictly.

(x) Specific observations and suggestions

(a) UPPCB with the support of U.P State Industrial Development Corporation (UPSIDC) shall carryout inventory of industries *within three months time* and all the industries which are presently in operation without Consents under Water (Prevention and Control of Pollution) Act, 1974 and Air (Prevention and Control of Pollution) Act, 1981 as the case may be should be directed by UPPCB to obtain Consents *within three months* and failing which action should be taken by UPPCB for closure of all such industrial units.

(b) All the hazardous waste generating industries or the industries covered under Schedule-I of the Hazardous and Other Waste (Management & Transboundary Movement) Rules, 2016 as amended, should be directed to obtain authorization within a month from U.P.PCB and failing which action should be taken by UPPCB for closure of all such industrial units.

(c) All the red category industries be directed by UPPCB for installation OCEMS at the outlet of ETPs within three monnths time and thereafter such industries be directed to take measures for data transfer to the UPPCB and CPCB with immediate effect.

(d) Industries attributing to ground water contamination with reference to heavy metals might be primarily electroplating and dying units. District-wise no. of industries is given in **Table P2**

Table P2. District-wise No. of Industries in U.P.State

Sl.No	District	No. of Industries*
1	Bagpat	1
2	G. B. Nagar	1
3	Ghaziabad	170
4	Greater Noida	54
5	Meerut	3
6	Muzaffar Nagar	44
7	Saharanpur	39
8	Shamli	5
	Total	**317**

* ***Above list of industries is per the list submitted by UPPCB. However, such list needs to be updated by UPPCB.***

All the 317 industries should give a declaration (in the form of the affidavit) to the effect that they do not discharge/inject their industrial effluent into ground water resources.

(e) No industry should operate or continue manufacturing process unless they possess valid permission for ground water extraction from Central Ground Water Authority (CGWA).

(f) Small scale/tiny and service providing units located in urban or semi-urban limits like Dairies, Auto Service Stations etc., should not be allowed to dispose wastewater effluents or sludges into drains, thereby ensuring not causing damages to drains or sewers. Such units should have O & G traps as a minimum provision.

(g) Burning of any kind of waste including agro-residue should be completely prohibited.

(h) Based on the inspections conducted in compliance to the Hon'ble NGT (PB) order dated 16.01.2018, following actions be initiated by UPPCB:-

- Industries which are to be considered as severely violating the norms (such as non-availability of ETP or discharging effluent without imparting any treatment or ETP outlets are not complying to the effluent discharege norms or industrial units in operation without applying for Consents under Water (Prevention and Control of Pollution) Act, 1974/ Air (Prevention and Control of Pollution) Act 1981 or in Operation without Authorization under the Hazardous & Other Waste (Management & Transboundary Movement) Rules, 2016 as amended) such units shall be closed with immediate effect till the time such Units obtain Consents/Authorization from U.P.PCB or takes measures to install requisite capacity ETP.

- The Units which are not complying to the effluent discharge norms due to poor operation and maintenance of the existing ETP, or require improvements in such a cases, directions under Section 5 of the Environment (Protection) Act, 1986 be issued by UPPCB for ensuring compliance to the discharge norms and carryout necessary improvements within a period of three months.

- The industries which were not in operation or closed or temporarily closed especially during inspections, all such industries be directed to remain close till further orders from CPCB.

5.2. Treatment of sewage

(i) As per estimation of U. P. Jal Nigam, Townships discharging sewage and estimated sewage generation is about 1148 MLD and sewage treatment capacity of 940.5 MLD is existing and remaining 207.5 MLD of sewage is untreated and disposed through drains. The towns discharging sewage into River Hindon, Kali (West) and Krishni are given in **Table P2** as follows:

Table P2: Towns discharging sewage into River Hindon, Kali (West) and Krishni

Sl. No	River	Towns	Sewage Generation in MLD	STP Exist (Yes/No) If Yes, no. of STPs	STP Installed Capacity In MLD	Gap in Sewage Treatment in MLD
1	Hindon	Saharanpur	125	Yes (01)	38	87
		Muzaffar Nagar	63	Yes (01)	32.5	*30.5*
		Ghaziabad	446	Yes (08)	427	19
		Noida	129	Yes (08)	218	-
		Grater Noida	35-40	Yes (01)	137	-
2	Kali West	Sub-urban Areas of Muzaffar Nagar	No information available	No	Not available	-
		Meerut (but not contributing to river Hindon)	309	Yes (11)	88	201
3	Krishni	Saharanpur	-	No	-	-
		Shamli	-	No	-	-
		Bagpat	8	No	-	8
		Barnawa	-	No	-	-

(ii) Sewage and sullage is being disposed into rivers through 16 drains (3 in Saharanpur, 4 in Muzaffar Nagar, 3 in Meerut, 01 in Bagpat, 2 in Ghaziabad and 3 in G.B.Nagar.

(iii) Prior to the planning of sewage treatment, the quality of effluent flowing in the drains joining river Hindon, Kali-West and Krishni has been analyzed and studied and drain-wise characteristics of effluent is given **Table P3.** below:

Table P3. Wastewater characteristics of Drains leading to River Hindon, Krishini and Kali-West

Sl. No	Drains	River in which drain joins	COD in mg/l	BOD in mg/l
1	Dhamola, Saharanpur	Hindon	125	51
2	Titavi, Muzaffarnagar	Hindon	5707	**3693**
3	Budhana	Hindon	291	125
4	Sardhana	Hindon	1438	301
5	Kinomi Sugar	Hindon	471	185
6	Karera	Hindon	350	103
7	Indirapuram, Gzb	Hindon	546	179
8	Hindon Vihar	Hindon	567	148
9	Pratap Nagar	Hindon	557	149
10	Kaila Bhatta	Hindon	393	169
11	Gadhera (Muzaffar Nagar)	Kali West	2603	**1188**
12	Mansurpur	Kali West	1168	566
13	Nanota (Bhanera Khemcloud)	Krishni	442	186

(iv) Sewage Treatment Plan

(a) U.P Jal Nigam would undertake measurement of flow of the drains mentioned in para (iii) above and formulate detailed project report (DPR) for each drain and corresponding town ***- within 6 weeks***.

(b) The flow in each drain should exclude monsoon flow. Further, any drain if receiving fresh water from any escape channel etc, should be examined for its diversion rather than mixing with sewage.

(c) Sewage treatment plants for each town and related drains should be properly designed with the interception and diversion plan.

(d) Sewage treatment plant (STP) and its design should be based on its full utilization capacity and ensuring simultaneous house connections to sewers as applicable to each drain and town.

(e) The design aspect of STP should include sewage utilization plan, instead of disposal into the drain/river. As directed in Ganga matter (Segment ’B”), at least, 75 % sewage should be utilized. For the remining part to be discharged into river, strict standards of BOD and FC should be followed and complied.

(f) DPRs should be submitted to the National Mission for Clean Ganga (NMCG) for consideration as a part of Ganga/Yamuna basin management plan. NMCG may

decide funding pattern and modal for STP as per their policies. U.P.Jal Nigam should submit DPR to NMCG by 30.09.2018 and NMCG to convey decision before 30.11.2019 to U.P. Jal Nigam/State Government of U.P for execution of projects.

(g) Sewage treatment plan should also consider treatment and disposal of sewage from Villages/Gram Panchayats /isolated settlements including discharges from toilets constructed under Swachh Bharat Abhiyan.

(h) As mentioned under para **5.1 (f),** dairy waste in particular and the oily waste/sludge from service stations and similar type of commercial establishments should not be mixed with the sewer lines and not to be disposed in drains. A separate plan should be prepared for such activities within six weeks and executed before 31.12.2018.

(i) Hotels/Restaurants particularly located on road-side should not dispose untreated sewage and solid waste into nearby public drain or rivers. Such establishments should be properly regulated and levied with fines as directed by Hon'ble NGT in Ganga matter in case of any violation.

5.3. Ground Water Quality

The main issue in the present matter relates to contamination of tube wells/hand pumps affecting the health of the pulic living in the villages. The Hon'ble National Green Tribunal (PB) Delhi passed directives on 05.11.2015 and 07.09.2016 regarding:

(i) Sealing of contaminated hand pumps - ***By State Government***
(ii) Supply of potable water to the affected communities ***- By UP Jal Nigam****;*
(iii) Carrying ground water survey for quality assessment ***-By the CGWA***

Observations of Dr.A.B.Akolkar, Former MS, CPCB on submissions made by the respondents in the matter are as follows:

(a) CGWA has filed its report on 26.10.2016 (R-1 p. 1016 to 1033) and a summary finding is mentioned on page 1020.

(b) Minutes of the meeting held on 21.07.2016 under the Chairmanship of Chief Secretary, U.P, it has been recorded that a survey of total 154 affected villages in six districts (i.e., Saharanpur, Muzaffar Nagar, Bagpat, Shamli, Meerut and Ghaziabad) has got done. Total 4528 hand pumps are installed in the affected villages out of which potable water is being extracted from 4283 hand pumps whereas water from 345 hand pumps is polluted. The hand pumps water of which is polluted have been sealed (Page 849)

(c) The further follow-up on sealing and supply of potable water may be updated by U.P. Jal Nigam.

CPCB after having representative sampling of Ground water, submits the following actions for consideration:

(a) State Govt. of U.P to comply with the directions of Hon'ble Tribunal dated 05.11.2015, 29.07.2016 and 07.09.2016 regarding supply of potable water and sealing of contaminated hand pumps with immediate effect.

(b) CGWA and State Depts. to identify over exploited and critical blocks in the six districts w.r.to the ground water extraction and industries be directed to comply with CGWA conditions (As directed by Hon'ble Tribunal in Ganga Matter in Segment 'B'.) of granted NOC.

(c) UPPCB should be vigilant and conduct surprise inspection of the industry to rule out any forceful injection of industrial effluents into groundwater resources .

(d) Establishment of individual bore well / hand pumps must be discouraged. Instead, community supply of potable water be planned by U.P. Jal Nigam.

(e) For preventing further contamination of ground water, actions suggested under *para 5.1 and 5.2* of the action plan relating to industrial and sewage pollution control may also be considered.

(f) No industrial unit should be established or allowed to continue its operation unless they obtain valid clearance or NOC from CGWA for ground water extraction.

(g) Rain water harvesting of industrial, commercial and other institutions may be insisted upon by CGWA and groundwater recharging with only clean water be encouraged by CGWA.

5.4 Flood Plan Zone (FPZ)

U.P. State Govt. (U.P. State Irrigation Department) should identify /demarcate Flood Plain Zone and regulate the activities. Such regulations would also cover

(i) Plantation in Flood Plain Zone (FPZ) –***By State Forest Department***
(ii) Checking encroachments-***By District/Local administration***
(iii) Prohibition of disposal of municipal and bio-medical waste particularly in drains-***By Local administration***;
(iv) State Govt. may notify FPZ - ***within six months***.

5.5 Environmental Flow (E-Flow) and irrigation practices

(i) River Hindon, Kali (West) and Krishni carrying very thin and lean flow of original water. River Hindon is dry on the upstream of Saharanpur during non-monsoon period. At different locations, flow of all the three rivers should be measured and record maintained by U.P.Jal Nigam.
.

(ii) Fresh water flowing through escape channels/small barrages should be checked. Good quality of water should not be used for dilution of pollution

unless, required degree of treatment is achieved for municipal sewage and industrial effluents.

(iii) To conserve water and good irrigation practices to be adopted (As directed in Ganga Matter) by the farmers for which mass awareness programmes through media be provided in vernacular languages to the farmers by the U.P.State Irrigation and Agriculture Departments.

5.6. Monitoring of Action Plan

It is proposed that action plan for Hindon and its tributaries be monitored by a Committee to be constituted under the Chairmanship of Chief Secretary, U.P. State Govt. on six monthly basis whereas, at District/Magistrate Level, District Committee may monitor on quarterly basis.

6.0. Action Plan- Short Term and Long Term Action and the Identified Authorities for initiating actions and the time limits for ensuring compliance

Shrot term and long term action plans and the implementing agencies responsible for execution of the action plans and the time limits are given in **Table P 4** as below :-

Table P 3: Proposed Short Term and Long Term Action plan for Rejuvenation of River Hindon

Sl. No	Action plan for rejuvenation of river Hindon	Organisation/ Agency Responsible for Execution of the Action plan	Time Target
I.	**Industrial Pollution Control**		
	(a) Action plans suggested under Section 5.1 (i) to (ix) of the draft action plan	UPPCB	Within three months
	(b) Inventorisation of the industries in the catchment area of River Hindon covering assessment on aspects relating to Status of Consents under Water & Air Acts and Authorisation, Effluent Generation, ETP capacities and final mode of effluent discharges	UPSIDC and UPPCB	Within three months
	(c) Actions against the Identified industries in operation without Consents under Water & Air Acts/Authorisation under the H & OW (M & TM) Rules, 2016 as amended	UPPCB/CPCB	Within three months
	(d) Action against the industries not installed ETPs or ETPs exist but not operating or ETP outlet or	UPPCB/CPCB	Within a month

	treated effluent is not complying to the effluent discharge standards or norms		
	(e) Action against the red category industries for installation of OCEMS and not transferring data to CPCB and UPPCB	UPPCB	Within a month
	(f) Small scale/tiny and service providing units located in urban or semi-urban limits like Dairies, Auto Service Stations to have a minimum provision of O & G traps	UPPCB	Within a month
	(g) Prohibition of Burning of any kind of waste including agro-residues	State Govt./District and Local authorities	Within a month
	(h) Directions to all the Industries which are observed to be not in operation or closed or temporarily closed to remain close till further orders from CPCB.	CPCB	Within a month
	(i) Estimation of industrial effluent generation and the existing CETP capacity and to arrive gap between the industrial effluent generation and the existing treatment capacity	UPSIDC and UPPCB	Within six months
	(j) Channelization of industrial effluents to CETPs for ensuring treatment to comply with the discharge standards	UPSIDC, and District /Local Administration	Within six months
	(h) Identification of suitable site within industrial estates, Execution and Commissioning of Adequate Capacity CETPs	State Government, UPSIDC, and District /Local Administration	Within two years
II.	**Sewage Treatment and Disposal Plan**		
	(a) District-wise estimation of total sewage generation, existing treatment capacities, quantum of disposal of sewage presently through drains and the gaps in sewage treatment capacity	State Government, U.P.Jal Nigam, District /Local Administration	Within three months
	(b) To undertake measurement of flow of all the drains presently contributing pollution load in river Hindon and to formulate detailed project report (DPR) for each drain and corresponding town and submission of DPR to	State Government/ U.P. Irrigation Department and U.P Jal Nigam	Within six months

	NMCG		
(c)	Proper design, execution of STPs with full utilisation capacity	State Government, U.P Jal Nigam/Local Authorities under the supervision of the U.P.PCB	Within two years
(d)	Channelization including diversion of sewage generated from household/town ships/villages to sewer lines /interception of all the drains presently carrying sewage and for ensuring proper treatment through the upcoming STPs	State Government, U.P Jal Nigam/Local Authorities	Within one year after commissioning of STPs
(e)	Ensuring dairy/automobile service stations and Hotels/Restaurants particularly located on road-side should have a treatment system and levy of fine in case found violations	UPPCB and Local authorities	By 31.12.2018
III	**Ground water quality**		
(a)	Sealing of contaminated hand pumps and found to be unfit for drinking purpose by the public	State Government/U.P. Ground Water Department and U.P.Jal Nigam	Within two months
(b)	Supply of potable water to the affected communities in the identified critical blocks	UP Jal Nigam and U.P. Ground Water Department	
(c)	Carrying assessment of ground water survey for quality and to identify over exploited and critical blocks in the six districts of U.P.	CGWB/U.P.Ground Water Department	Within six months
(d)	To conduct periodic surprise inspection of the industry to rule out any forceful injection of industrial effluents into groundwater resources	UPPCB and U.P.Ground Water Department	Within three months
(e)	All the industry should be directed to obtain NOC from the CGWB and action against the Units in Operation without obtaining of NOC from CGWA	UPPCB, CGWB/ CGWA and U.P.Ground Water Department	Within three months
(f)	To ensure rain water harvesting by the industrial, commercial and other institutions and groundwater recharging with	CGWA/ U.P.Ground Water Department	Within three months

	only clean water be encouraged by CGWB/CGWA		
III	**Flood Plan Zone (FPZ)**		
	(a) Plantation in Flood Plain Zone (FPZ)	U.P. State Forest Department	By Next Monsoon
	(b) Checking encroachments in the FPZ of river Hindon	District/Local administration	Within three months
	(c) Prohibition of disposal of municipal plastic and bio-medical waste particularly in drains	Local administration	
	(d) Notification of Flood Plain Zone FPZ	State Government	within six months
IV	**Environmental Flow (E-Flow) and Irrigation Practices**		
	(a) Measurement of flow of all the three rivers and records maintained	U.P.Jal Nigam/ U.P. Irrigation Department	Regularly
	(b) To conserve water and good irrigation practices to be adopted by the farmers by organising mass awareness programmes and through media in vernacular language	U.P.State Irrigation and Agriculture Departments.	Regularly

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Annexure-PI

SCHEDULE-VI: ENVIRONMENT (PROTECTION) RULES, 1986

(See rule 3A of E (P) Rules, 1986)

GENERAL STANDARDS FOR DISCHARGE OF ENVIRONMENTAL POLLUTANTS PART-A: EFFLUENTS

Sl. No.	Parameter	Standards			
		Inland Surface Water	Public Sewers	Land for Irrigation	Marine coastal areas
1	2	3(a)	3(b)	3 (c)	3 (d)
1	Colour and odour	See 6 of Annexure-I	-	See 6 of Annexure-I	See 6 of Annexure-I
2	Suspended solids mg/l Max.	100	600	200	(a) For process waste water -100 (b)For cooling water effluent 10 % above total suspended matter of influent
3	Particle size of suspended solids	shall pass 850 micron IS Sieve	-		(a) Floatable solids, max 3 mm. (b)Settleable solids, max 850 microns
4	[*Omitted*]				
5	pH value	5.5 to 9	5.5 to 9	5.5 to 9	5.5 to 9
6	Temperature	Shall not exceed 5^{o}C above the receiving water temperature	-	-	Shall not exceed 5^{o}C above the receiving water temperature
7	Oil and grease mg/l, Max	10	20	10	20
8	Total residual chlorine mg/l, Max	1.0	-	-	1.0
9	Ammonical nitrogen (as N) mg/l, Max	50	50	-	50
10	Total Kjeldahl nitrogen (as NH_3) mg/l, Max	100	-	-	100
11	Free ammonia [as NH_3] mg/l, Max	5.0	-	-	5.0
12	Biochemical Oxygen Demand (3 days at 27^{o}C)] mg/l, Max	30	350	100	100
13	Chemical Oxygen Demand, mg/l Max	250	-	-	250
14	Arsenic (as As) mg/l, Max	0.2	0.2	0.2	0.2
15	Mercury (as Hg), mg/l, Max	0.01	0.01	-	0.01
16	Lead (as Pb) mg/l Max	0.1	1.0	-	2.0
17	Cadmium (as Cd) mg/l, Max	2.0	1.0	-	2.0
18	Hexavalent Chromium (as Cr^{+6}) mg/l, Max	0.1	2.0	-	1.0
19	Total chromium (as Cr) mg/l, Max	2.0	2.0	-	2.0

Sl. No.	Parameter	Standards			
		Inland Surface Water	Public Sewers	Land for Irrigation	Marine coastal areas
20	Copper (as Cu) mg/l Max	3.0	3.0	-	3.0
21	Zinc (as Zn) mg/l, Max	5.0	15	-	15
22	Selenium (as Se) mg/l Max	0.05	0.05	-	0.05
23	Nickel (as Ni) mg/l, Max	3.0	3.0	-	5.0
24	Omitted	*	*	*	*
25	Omitted	*	*	*	*
26	Omitted	*	*	*	*
27	Cyanide (as CN) mg/l ,Max	0.2	2.0	0.2	0.2
28	Omitted	*	*	*	*
29	Fluoride (as F) mg/l, Max	2.0	15	-	15
30	Dissolved Phosphates (as P) mg/l, Max	5.0	-	-	-
31	Omitted	*	*	*	*
32	Sulphide (as S) mg/l Max	2.0	-	-	5.0
33	Phenolic compounds [as C_6H_5OH] mg/l, Max	1.0	5.0	-	5.0
34	Radioactive materials				
	(a) Alpha emitters [Micro curie/ml] max	10^{-7}	10^{-7}	10^{-8}	10^{-7}
	(b) Beta emitters [Micro curie/ml] Max	10^{-6}	10^{-6}	10^{-7}	10^{-6}
35	Bio-assay test	90 % survival of fish after 96 hours in 100 % effluent	90 % survival of fish after 96 hours in 100 % effluent	90 % survival of fish after 96 hours in 100 % effluent	90 % survival of fish after 96 hours in 100 % effluent
36	Manganese (as Mn)	2 mg/l	2 mg/l	-	2 mg/l
37	Iron (as Fe)	3 mg/l	3 mg/l	-	3 mg/l
38	Vanadium (as V)	0.2 mg/l	0.2 mg/l	-	0.2 mg/l
39	Nitrate Nitrogen	10 mg/l	-	-	20 mg/l
40	Omitted	*	*	*	*

* Omitted by Rule 2 (d) (i) of the Environment (Protection) Third Amendment Rules, 1993 vide Notification No. G.S.R 801 (E), dated 31.12.1993

Annexure-PII

Water Quality Criteria -Designated Best Uses of Water

Designated Best Use	Class	Criteria
Drinking Water Source without conventional treatment but after disinfection	A	1.Total Coliforms Organism MPN/100ml shall be 50 or less 2. pH between 6.5 and 8.5 3. Dissolved Oxygen 6mg/l or more 4. Biochemical Oxygen Demand 5 days 20 °C, 2mg/l or less
Outdoor bathing (Organised)	B	1.Total Coliforms Organism MPN/100ml shall be 500 or less 2. pH between 6.5 and 8.5 3. Dissolved Oxygen 5mg/l or more 4. Biochemical Oxygen Demand 5 days 20 °C, 3mg/l or less
Drinking water source after conventional treatment and disinfection	C	1.Total Coliforms Organism MPN/100ml shall be 5000 or less 2. pH between 6 and 9 3. Dissolved Oxygen 4mg/l or more 4. Biochemical Oxygen Demand 5 days 20 °C, 3mg/l or less
Propagation of Wild life and Fisheries	D	1. pH between 6.5 and 8.5 2. Dissolved Oxygen 4mg/l or more 3. Free Ammonia (as N)-1.2 mg/l or less 4. Biochemical Oxygen Demand 5 days 20 °C, 2mg/l or less
Irrigation, Industrial Cooling, Controlled Waste disposal	E	1. pH between 6.0 and 8.5 2. Electrical Conductivity at 25 °C micro mhos/cm, maximum 2250 3. Sodium absorption Ratio Max. 26 4. Boron Max. 2mg/l
	Below-E	Not meeting any of the A, B, C, D & E Criteria