

BEFORE THE NATIONAL GREEN TRIBUNAL,  
PRINCIPAL BENCH, NEW DELHI

Original Application No. 228 of 2014  
(M.A. No. 768 of 2014 & M.A. No. 139 of 2015)

Yogesh Nagar Vs. Union of India & Ors.

CORAM : HON'BLE MR. JUSTICE SWATANTER KUMAR, CHAIRPERSON  
HON'BLE MR. JUSTICE M.S. NAMBIAR, JUDICIAL MEMBER  
HON'BLE DR. D.K. AGRAWAL, EXPERT MEMBER  
HON'BLE PROF. A.R. YOUSUF, EXPERT MEMBER

Present: Applicant: Mr. Rahul Choudhary, Adv.  
Respondent No. 1: Ms. Panchajanya Batra Singh, Adv.  
Respondent No. 2 & 6: Ms. Savitri Pandey & Mr. Azma Praveen, Adv.  
Respondent No. 3: Mr. Pradeep Misra, Mr. Daleep Kumar Dhayani  
Adv.  
Respondent No. 4: Mr. Sanjeev Ralli, Adv., Mr. Dipankar, Adv.  
Respondent No. 5: Mr. B.V. Niren, Adv.  
Respondent No. 7: Mr. Ravindra Kumar, Adv.  
Respondent No. 9: Mr. Abhimanyu Pratap Singh, Adv.  
CPCB: Mr. Abhishek Paruthi, Adv.

Date and Remarks	Orders of the Tribunal
Item No. 10  September 24, 2015	<p>Let notice be issued to all the defaulting industries which are polluting industries and/ or are operating without the consent of the UPPCB as enumerated in the Joint Inspection Report filed before the Tribunal. Notice will be issued by the Board and all the industries are directed to be present before the Tribunal on the next dated of hearing. They shall show-cause why orders for closure of such industries as well as directing them to pay environmental compensation on Principal of Polluter Pays in terms of Section-15 &amp; 17 of the NGT Act, 2010 be not imposed. The Board shall ensure service to all the industries.</p> <p>List this matter on 02<sup>nd</sup> November, 2015.</p> <p>.....,CP (Swatanter Kumar)</p> <p>.....,JM (M.S. Nambiar)</p>

		.....,EM (Dr. D.K. Agrawal)
		.....,EM (Prof. A.R. Yousuf)



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

In the Matter of O.A.No 228 of 2014  
(M.A. No 768 of 2014 & M.A. No 139 of 2015 )

Yogesh Nagar

....Appellant

Versus

Union of India & Others

..... Respondent

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Place : New Delhi  
Date : 09.09.2015

*Yogesh Nagar*  
23/9/15

*Yogesh Nagar*  
09/09/15  
DEPONENT

**Joint Inspection Report of CPCB and UPPCB, Regional Office, Greater Noida regarding Industries running in area of Bisrakh Block and Chhapraula Village of Gautam Budh Nagar (O.A.No 228 of 2014 and M.A. No 768 of 2014 & M.A. No 139 of 2015 of Sri Yogesh Nagar Vs. Union of India & Others)**

**1. BACKGROUND**

A petition was filed in the matter of Yogesh Nagar Vs Union of India in Original Application no. 228 of 2014. The application relates to contamination of groundwater near Bisarakh block of Gautam Buddha Nagar. The petitioner mentioned that there are about 300 small & big industries in this area and are discharging their effluent either directly without any treatment or disposing it off through reverse Boring. Number of cancer cases were also reported in said area. The ground water of villages Khera Dhram pura, Bishnuli, Sadullapur, Sadopur, Achheja, Dujana, Chhapraula, Roja, Jalalpur of Bisrakh Block of Gautam Budh Nagar were reportedly contaminated.

**2. INTRODUCTION**

The District Gautam Buddha Nagar was formed on 06/09/1997 with effect from Govt. order no 1249/97/82/97 by carving out the portions of Ghaziabad and Bulandshahar. District Gautam Buddha Nagar includes Dadri and Bisrakh blocks carved out of Gaziabad, while Dankaur and Jewar blocks have been carved out of Bulandshahar District. The district lies between 28°36'54" North latitude and 77°21'44" East longitude. The approximate area of the district is 1442 sq km (86007.30 hectare).

Gautam Buddha Nagar is bounded by Delhi and Ghaziabad to the north and south, and Bulandshahar District to the east. According to the 2011 census, Gautam Buddha Nagar has a population of 16,74,714. It is ranked 294<sup>th</sup> out of a total 640 Indian districts in terms of population. The population growth rate over the decade of 2001-2011 was 39.32%.

**3. OBJECTIVE OF JOINT INSPECTION:**

Objective of Joint inspection was to identify Polluting Industries, Closed Industries, and Industries running without any Permission/Authorization in Chhapraula area of Bisrakh Block Village of Gautam Buddha Nagar and collection of effluent samples from the water polluting units in compliance of the Hon'ble NGT order to assess the industrial impact in the area in regard to ground water and stream water pollution.

**4. METHODOLOGY :**

- i) Dry inventory
- ii) Wet inventory

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#### 4.1 Dry Inventory :

Dry inventory was conducted jointly by officials of Central Pollution Control Board and U.P. Pollution Control Board, Regional Office, Greater Noida on May 6, 2015 for identifying Polluting Industries, Closed Industries, and Industries running without any Permission/Authorization in Chhapraula area of Bisrakh Block Village of Gautam Budh Nagar

#### 4.2 Wet Inventory:

Effluent samples from 09 Water Polluting Units were collected jointly by Central Pollution Control Board and U.P. Pollution Control Board, Regional Office, Greater Noida during 19-24 August, 2015 in compliance of the Hon'ble NGT order.

The team Comprised of the following officials:

1. Sri Abhey Singh Soni, Scientist D, CPCB Delhi
2. Shri Praveen Kumar, Regional Officer, Greater Noida, UPPCB
3. Shri Utsav Sharma, Asstt. Env. Engineer, UPPCB, Greater Noida
4. Shri Kisan Singh JE, UPPCB, Greater Noida
5. Ms. Alka Srivastava, SSA, CPCB, Delhi

Earlier CPCB team during December 2014, collected 21 samples of groundwater of villages namely Sadopur, Sadullapur, Achheja, Dujana, Bisrakh Block, Jalalpur, Chhapraula, Khera Dhramapura and Bishnuli.

#### 5. Observations:

The Joint team visited the area and inspected around 48 various types of units running in area of Bisrakh Block, Chhapraula, Acheja, Dujana, Dhoommanikpur, Ranuali, Bisnauli Bheel Akbarpur of Gautam Budh Nagar and collected the relevant information/statutory compliance status. As per records with UPPCB, 09 units are highly water polluting and attempts were made to collect effluent samples from these 09 units. The specific requisite information of 48 units and analysis report of effluent samples of 09 units has been incorporated in Tabular Form at Annexure-1 and Annexure-2.

The Overall Salient Observation of the inspecting team are given below ;

- The area comes under Tehsil Dadri of Dist Gautam Budh Nagar . The area has mixed land use with dense population and Industries are situated in a scattered way in the notified industrial area of Greater Noida Development Authority.
- There are around 137 units in the area (as per the list submitted in the Hon'ble NGT by R.O.UPPCB, Greater Noida).
- Out of 137 units, 30 are of Red category, 29 are of Orange category and rest 78 are of Green category units.
- Out of 137, total Number of water polluting units are 16, out of which 09 units as per records with UPPCB are highly water polluting whereas 07 water polluting units are very small and quantity of water consumption and discharge is very less. 45 units are Air Polluting units.

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- Rest comes under Green Category and which are Non Polluting in Nature (Dry Process of Fabrication, Assembling, Repairing etc.). However majority of the green category/non-polluting units were found to be running without Consent to Operate from UP Pollution Control Board (UPPCB) and even without Consent to Establish.
- 18 industries out of 137 are closed as per records of UPPCB.
- Some of the units named in the Petition, are found non existing.
- Most of the Industries are in Small Scale Category.
- The units which are having valid Consent to Operate from UPPCB were found to have adequate Effluent Treatment Plant and Air Pollution Control Devices and were found operational at the time of inspection.
- Area has become densely populated over the years but till date no sewerage / drainages system has been layed down in the area due to which domestic effluent from different villages is seen getting collected in low lying area & seeping in to the ground water which might contaminate the Ground water.
- No potable water supply system has been provided by the concern civic authorities to meet the drinking water demand, hence entire area is dependent on the individual borewell.
- No Reverse Boring was found in any of the industries inspected.
- Industrial and domestic effluent of the entire area is being discharged through Dasana & Dhoom Dujana drains, which eventually meets Hindon River.

## 6.0 FINDINGS:

Findings of the Joint inspection is as follows:

1. The concentration of BOD, TSS, COD, Fe and Zn are exceeding the limit in some of the units listed at Annexure-1.
2. In the Ground water monitoring of the area following important findings are made: **Details of the sampling location and Results of analysis of groundwater samples (Attached at Annexure-3).**
  - i. All groundwater samples are meeting the desirable range of pH i.e 6.5-8.5
  - ii. With respect to total dissolved solids, 06 samples (GW3, GW7, GW8, GW11, GW12 and GW17) collected at village namely Sadullapur, Dujana, Jalalpur) are exceeding the desirable limits and remaining 15 samples are meeting the desirable limits of 500 mg/l.
  - iii. With respect to total alkalinity and hardness, all groundwater samples are exceeding the desirable limits.

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- iv. Chlorides, Sulphate and Fluoride are found within the desirable limits in all groundwater samples except at sample location GW8 i.e Handpump of Shri Jaipal's House Village Dujana.
- v. Calcium is exceeding the desirable limit of 75 mg/l at 08 locations (GW2, GW3, GW8, GW9, GW10, GW11, GW12 and GW17).
- vi. Nitrate concentration is exceeding at 04 sampling locations (GW2, GW7, GW8 and GW10).
- vii. With respect to Bacteriological parameters, total coliform and fecal coliform count is found at 05 sampling locations (GW1, GW3, GW4, GW6, GW8 and GW9).
- viii. Pesticides concentration is not traceable in any of the sample.
- ix. Cadmium, Arsenic, Chromium and Nickel are below detectable limit in all 21 samples. Lead was found only at one locations i.e GW17.
- x. Iron concentration at 12 sampling locations (GW2, GW3, GW4, GW5, GW7, GW9, GW10, GW11, GW14, GW17, GW19 and GW21) is above the prescribed limits.

#### 7.0 Conclusion:

- i. There are 137 units in the area out of which 30 are of Red category, 29 are of Orange category and rest 78 are falling in Green category .
- ii. All the units which are having valid Consent to Operate from UPPCB were found to have adequate Effluent Treatment Plant and Air Pollution Control Devices and were found operational at the time of inspection.
- iii. Some of the units are not meeting the limits in respect of pH, BOD, COD , TSS, Iron and Zinc, however these are not carcinogenic.
- iv. Presence of coliform bacteria is observed in groundwater samples of Village Sadapur, Sadullapur, Accheja, Dujana and Bisarakh block.
- v. Pesticides are not found in any of the groundwater sample.
- vi. With respect to total alkalinity and hardness, all groundwater samples are exceeding the desirable limits.
- vii. Iron Concentration is above the prescribed limits at Village Sadapur, Sadullapur, Accheja, Dujana, Bisarakh, Jalalpur, Chapraula, Kheda, Bishnuli.

#### 8. Recommendations:

Based on the above observations and findings following recommendations are made:

- i. UPPCB should take appropriate action under the Environment (Protection) Act, 1986 against the units which are operating without Consent

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- ii. Units which have installed resin manufacturing (Red Category) process without obtaining Consent to Establish from UPPCB should not be allowed to operate without obtaining requisite permissions from UPPCB.
  - iii. Online Monitoring system need to be installed by the water polluting units, listed at S.No. 1,2,3,7 and 8.
  - iv. A Strict Vigil and more frequent Inspections of the Units by the UP Pollution Control Board may improve the condition of the area.
  - v. Proper potable water system need to be provided by the district administration to avoid illegal boring in the area.
  - vi. Proper sewerage system / drainage system need to be developed in the area to avoid seepage / percolation of contaminated water in the Ground water.
  - vii. For Godowns and other such Establishments (Marriage Hall, Farm House, Ware House etc.) operating in the area the matter may be taken up by District Administration; especially with regard to permissions and No Objection Certificates from different departments for discharging domestic sewage treatment/discharge facility and handling of solid waste generated.
  - viii. Recommendations for individual units as given in Annexure-1 need to be implemented by UPPCB.
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**Joint Inspection Report of CPCB and UPPCB, Regional Office, Greater Noida regarding Industries running in area of Bisrakh Block and Chhapraula Village of Gautam Budh Nagar (O.A.No 228 of 2014 and M.A. No 768 of 2014 & M.A. No 139 of 2015 of Sri Yogesh Nagar Vs. Union of India & Others)**

S.No	Name Of Industries	Product/Capacity	Consent Status		Category	Source Of Water	E.T.P Status	A.P.C.S Status	Analysis Results Of Effluent	Recommendation
			WATER	AIR						
1	M/S Surya Processors Pvt Ltd., Vill-Chhaproula, Bisrakh Road, G.T.Road, Greater Noida,	Textile processing, Dying and Bleaching of Clothes  Dyeing of Fabrics-60000 MR	2015	2015	Red	Borewell water	Installed	Installed	Analysis report at Annexure-2	Since the unit is red category it is recommended to install online monitoring system, by end of September 2015.  No Sewerage/drainage system was found in the area and 400 workers are working in the Unit , it is also recommended to install STP for domestic discharge.
2	M/S Suchi Paper Mills Ltd., Kh.No-589/2, Vill-Chhaproula, Bisrakh Road, G.T.Road, Gr.Noida	Small Pulp and Paper industries  Media Crafts Paper-120MID	2015	2015	Red	Borewell water	Installed	Installed	Analysis report at Annexure-2	Online Monitoring system is to be installed, by end of September 2015.
3	M/S Hero motor ltd., 10K.M.Stone, G.T.Road, Chhaproula, Dadri, G.B.Nagar	Auto part & Components	2016	2016	Red	Borewell water	Installed	Installed	Exceeding the limit of Fe Analysis report at Annexure-2	Online Monitoring system & ZLD need to be installed, by end of September 2015 and achieve ZLD.
4	M/S Indus Tubes Ltd., Chhaproula, G.T.Road, G.B.Nagar	MS Black & GI Pipes-	2015	2015	Red	Borewell water	Installed	Installed	Exceeding the limit of pH & TSS Analysis report at Annexure-2	Improvement required in APCS, Chimney & LD fan capacity needs to be increased.

5	M/S Nippon Tubes Ltd., Kh.no-1009, Bistrakh Road, Chaproulla, GR.No.10	Black Pipes-50 Ton/day or GI Pipes-30 Ton/day	2016	2016	Red	Borewell water	Installed	Installed	Only inlet sample collected as ETP was under maintenance  Analysis report at Annexure-2	Improvement required in APCS. LD fan capacity needs to be increased.
6.	Garg Tubes Ltd., Acoheja, GT Road	Black and GI Pipes	2016	2016	Red	Borewell Water	Installed	Installed	Exceeding the limit of TSS, Fe and Zn  Analysis report at Annexure-2	It is recommended to install more hoods to tap fugitive emissions on Zinc Bath Area.. Regular back washing of ETP filters required for better results.
7	M/S K.R.B.L. Ltd., 9th Mile Stone, Vill- Acoheja, Post-Dujana, B.S.Road, Gr.No.10	Arwa & Selha Rice- 494MTD	2015	2015	orange	Borewell water	Installed	Installed	Analysis report at Annexure-2	Online monitoring system may be installed, by end of September 2015 and achieve zero equal discharge (ZLD)
8	M/S Kawatra Papers Pvt Ltd., Vill-Dhoom manikpur, G.T.Road, Dadri, G.B.Nagar	Writing & Printing Paper- 14MTD	2015	2015	Red	Borewell water	Installed	Installed	Exceeding the limit of TSS, BOD and COD.  Analysis report at Annexure-2	Online monitoring installed. Efficiency of ETP need to be improved
9	M/S Metenered Ltd (Old Name M/S Gupta Chemical), Vill-Bheel Akbarpur, Dadri	Led Ingots	2015	2015	Red		---	---	Analysis report at Annexure-2	Efficiency of ETP need to be improved
10	M/S GoodLuck Engineers Company, Kh.No-2839, vill- Dhoom manikpur, dadri, G.B.Nagar	Forge/Dye Forge Components/ Steel Structure Manufacture	Applied	Applied	Orange	Borewell water	NR*	Installed	---	-----

11	M/S Amrit Industries, vill-Dhoom Manikpur, G.T.Road, G.B.N agar	Varsha	MS Angel, Gatter	2016	2016	Red	Borewell water	---	Installed	---	Furnace's fuel has changed to coal from Coal Gasifier Need to apply for NOC with UPPCB.
12	M/S Ambuja Cement Ltd., Vill- Dhoommanikpur, Vill- badpura, Dadri		Potland Cement-20Lakh MTD/year	2016	2016	Red	Borewell water	NR*	Installed	---	Need to be comply with the National Policy for online real time stack monitoring system.
13	M/S C.H.W. Forge Pvt ltd, vill- Achejja, Dujjana, G.T.Road, G.B.Nagar		Steel Forging & Flangins- 67MTD	2015	2015	Orange	Borewell water	NR*	Installed	---	
14	M/S Sudha Steel Manufacturing Pvt Ltd., Kh.No-525, Vill- Chaproulla, Kachera Road G.T.Road, Gr.Noida		M.S.Flat, Channels, Wires & Rod- 40MTD	2015	2015	Orange	Borewell water	---	---	---	
15	M/S Ultra Tech Cement Ltd., Vill-Ramuali Dadri, G.T.Road		PPC & OPC Cement- 3000MTD	2015	2015	Red	Borewell water	---	Installed	---	Need to be comply with the National Policy for online real time stack monitoring system.
16	M/S Atlas Casting Pvt Ltd., Plot No.605,Bisrakh Road, Vill-Chapraulla Gr.Noida		C.I. Castings	---	---	Red		NR*	---	---	The unit was found closed.
17	M/S Assomac Machines Ltd., 546, Bisrakh Road, Vill- Chapraulla, Gr.Noida		Wires Drawing Machines	Applied	Applied	Red	Borewell water	NR*	---	---	The unit was found closed.
18	M/s India Woodlim(P) Ltd.		Laminate Sheet	2015	2015	Orange	Borewell Water	---	Installed	---	Industry has installed resin manufacturing (Red Category) without obtaining CTE from UPPCB, it is recommended to close the industry with immediate effect & it should not

19	M/S Arvi Components pvt ltd., Bisrakh Road, Chapraoulla	Ply Wood & Doors	2016	2016	Orange	Borewell water	NR*	---	operate without obtaining CTE from UPPCB.
20	M/S Shree Bankey Bilhari Lal Aromatics, Kh.No-530-532, Bisnoli Dujana Road, Greater Noida	Adhevil Flevers	2015	2015	Orange	Borewell water	---	---	Industry has installed resin manufacturing (Red Category) without obtaining CTE from UPPCB, it is recommended to close the industry with immediate effect & it should not operate without obtaining CTE from UPPCB.
21	M/S International Electron Devices Ltd, Kh.No-609, Bisrakh Road, Chapraoulla, G.B.Nagar	Seat metal parts	2012 (Closed)	2012 (Close d)	-	Borewell water	Presently closed	---	The unit is presently closed
22	M/S J.D. Industries Ltd., G.T.Road, Vill. Chhapraoulla, G.B.Nagar	MS Pipes	2015	2015	Orange	Borewell water	NR*	---	---
23	M/S Hari om Udyog, Ghirdharpur Road, Vill- Chapraoulla G.T.Road, Gr.Noida	PVC Molding	2015	2015	Green	Borewell water	NR*	---	---
24	M/S Indo tech Industries, Plot No.546, Duryai Road, Vill-Chapraoulla G.T.Road, Gr.Noida	MS Pipes	---	---	Green	Borewell water	NR*	---	The unit was found operating without obtaining consent. Notice issued by UPPCB, hence it is recommended to obtain consent from UPPCB
25	M/S Kundan Rice Mill Ltd.,	Warehouse	---	---	Green	Borewell water	NR*	---	The unit was found operating without obtaining consent. Notice

Plot No.579, Duryai Road, Vill-Chapraulla G.T.Road, Gr.Noida												issued by UPPCB , hence it is recommended to obtain consent from UPPCB				
26	M/S Shyamjee Industries, Plot No.235, Vill-Bishmoli G.T.Road, Gr.Noida	Wool/haypade										NR*	NR*			The unit was found operating without obtaining consent. Notice issued by UPPCB , hence it is recommended to obtain consent from UPPCB
27	M/S Mehta Synthetics, 551/4, Bistrakh Road, Chapraulla, Gr.Noida	Garments	2015	Applied	2015								NR*	NR*		
28	M/S Balaji Garments Industries Pvt Ltd., 550, Bistrakh Road, Chapraulla, Gr.Noida	PVC Moulded Components		Applied									NR*	NR*		The unit was found operating without obtaining consent. Notice issued by UPPCB , hence it is recommended to obtain consent from UPPCB
29	M/S Colosus Trade Links Ltd., 1248, Bistrakh Road, Chapraulla, Gr.Noida	Metal Scrap Trading											NR*	NR*		The unit was found operating without obtaining consent. Notice issued by UPPCB , hence it is recommended to obtain consent from UPPCB
30	M/S Dwarika Deewatering Systems, 26, Bistrakh Road Ind. area, Chapraulla, Gr.Noida	Store & Servicing Work											NR*	NR*		The unit was found operating without obtaining consent. Notice issued by UPPCB , hence it is recommended to obtain consent from UPPCB
31	M/S Supreme Roll India Pvt Ltd., Bistrakh Road, Near Railway Crossing.	Engineering Works											NR*	NR*		The unit was found operating without obtaining consent. Notice issued by UPPCB , hence it is recommended to obtain consent from UPPCB

32	Chapraulla, Gr.No.14 M/S K.V. Metal Industries, Kh.no-989, Bistrakh Road, Vill-Chhapraulla, G.B.Nagar	Led Oxide	2015	2015	Orange	Borewell water	NR*				recommended to obtain consent from UPPCB
33	M/S Laxmi Industries, Khasra No.978, Bistrakh Road, Chapraulla, Gautam Budh Nagar, U.P	Lead Smelter and Lead Oxide	--	--	Red	Borewell water			Only Stack		The unit was found operating without obtaining consent. Notice issued by UPPCB, hence it is recommended to obtain consent from UPPCB
34	Quality Non woven Fabric, Khasra No.978, Bistrakh Road, Chapraulla, Gautam Budh Nagar, U.P	Non oven fabric	--	--	Green	Borewell water	NR*	IN**			The unit was found operating without obtaining consent. Notice issued by UPPCB, hence it is recommended to obtain consent from UPPCB
35	Daramraj, Khasra No.-544, Bistrakh Road, Chapraulla, Gautam Budh Nagar, U.P	Engineering unit, Shuttering, Repairing	--	--	Green	Borewell water	NR*	NR*			The unit was found operating without obtaining consent. Notice issued by UPPCB, hence it is recommended to obtain consent from UPPCB
36	Om Asbestos Trade, Plot No./ Khasra No.-92/6, Bistrakh Road, Chapraulla, Gautam Budh Nagar, U.P	Godown	Not applied	Not applied	Green	Borewell water	NR*	NR*			The unit was found operating without obtaining consent. Notice issued by UPPCB, hence it is recommended to obtain consent from UPPCB
37	For Bros Tools Pvt. Ltd., unit-II, 989, Bistrakh Road, Chapraulla, Gautam Budh Nagar, U.P	Conversion of Coated abrasive, cutting/ jointing of product of their sister unit-III	2015	2015	Green	Borewell water	NR*	NR*			

38	ASI, Village Achheja, G.T. Road, Gautam Budh Nagar, UP	Decorative glass pots	2015	2015	Orange	Borewell water	IN	IN**	---	---
39	For Bros Tools Pvt. Ltd., Unit- I Khasra No.-1009, Bisrakh Road, Chapraulla, Gautam Budh Nagar, U.P	Fabrication of Abbrsives	2015	2015	Green	Borewell water	NR	NR*	---	---
40	EDM Automobiles, Add- Plot No./Khasra No.- 3, Village-Girdharpur, Bisrakh Road, Gautam Budh Nagar, UP	Auto mobile shaop	Closed							
41	Unit (without name), Near Diamond Properties, Bisrakh Road, Chapraulla, Gautam Budh Nagar, U.P		No unit found (Second Gate of Surya Processor Pvt. Ltd. Industry)							
42	Unit (without name), Opposite Ajay Medical Store, Bisrakh Road, Chapraulla, Gautam Budh Nagar, U.P		No unit found (Second Gate of Colosm Traders)							
43	Unit (without name), Opposite Shri Bake Biharipuram , Bisrakh Road, Chapraulla, Gautam Budh Nagar, U.P		Address not Found							
44	Shri Ram Industries, Bismuli, Bisrakh Road, Gautam Budh Nagar, U.P		Closed							
45	Shri Ram Motors (Tata Motors Service Station ),	Tata Motor Service Centre	2015	2015	Green	Borewell water	IN**	NR*	---	---

46	Khasara No. 264 Village - Bisnuli, GT Road, Gautam Budh Nagar, U.P	Whirpool Godown	Not applied	Not applied	Green	---	NR*	NR*	---	---	Notice issued by UPPCB to obtain NOC, hence it is recommended to obtain NOC from UPPCB
47	Whirpool Warehouse, Near Shri Shankar -Plot No. 662/3, Near Shankar Properties, Village - Bisnuli, GT Road, Gautam Budh Nagar, U.P	Britania Godown	Not applied	Not applied	Green	---	NR*	NR*	---	---	Notice issued by UPPCB to obtain NOC, hence it is recommended to obtain NOC from UPPCB
48	Britania Industries Ltd. Khasra No. 556/615, Khera Dhrampur, NH-91, Near KRBL Rice Mill, Chapraulla, Gautam Budh Nagar, U.P	Party Farm House	Not applied	Not applied	Green	---	IN**	NR*	---	---	Notice issued by UPPCB to obtain NOC, hence it is recommended to obtain NOC from UPPCB

Abbreviations:

NR\* - Not Required

IN\*\* - Installed



## ANALYSIS REPORT OF WATER POLLUTING UNITS LOCATED IN THE AREA OF TEHSIL DADRI, GAUTAM BUDDH NAGAR

S.No. At Annexure- I	Name of the unit	Sample Location	Parameters in mg / l except pH															
			pH	TSS	BOD	COD	As	Cd	Pb	Ni	Mn	Cr	Cu	Fe	Zn			
1	M/S Surya Processors Pvt Ltd.,	ETP Outlet	7.72	42	21	55	BDL	BDL	BDL	BDL	0.03	BDL	BDL	0.03	BDL	BDL	0.03	BDL
2	M/S Suchi Paper Mills Ltd.,	ETP Outlet	8.83	26	57	116	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
3	M/S Hero motor ltd.,	ETP Outlet	6.72	54	23	42	BDL	BDL	BDL	BDL	0.72	BDL	BDL	BDL	BDL	9.24	4.38	BDL
4	M/S Indus Tubes Ltd.,	ETP Outlet	3.29	961	NA	NA	BDL	BDL	BDL	0.02	—	BDL	BDL	BDL	BDL	0.14	BDL	BDL
5.	M/S Nippon Tubes Ltd.,	Inlet	9.55	78	NA	NA	BDL	BDL	BDL	BDL	5.88	BDL	BDL	BDL	BDL	1005.9	41.20	5
6.	M/s Garg Tube	ETP Outlet	8.05	116	NA	NA	BDL	BDL	BDL	0.22	0.17	22.0	BDL	BDL	BDL	5064.9	71.40	5
7.	M/S K.R.B.L. Ltd.,	ETP Outlet	8.48	75	35	69	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
8.	M/S Kawatra Papers Pvt Ltd.,	ETP Outlet	7.47	140	262	448	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
9	M/s Metenered Ld, Bheel Akbarpur	ETP Outlet	2.05	224	39	189	—	—	—	—	—	—	—	—	—	—	—	—

Note - Samples analyzed at CPCB Lab.

NA- Not Applicable

## Annexure-3

## Groundwater samples location details

Sl. No	Code	Source	Sampling Date and Time	Location	Depth
1.	GW1	Groundwater	08-12-2014	Jal Nigam Village Sadapur	110 Ft
2.	GW2	Groundwater	08-12-2014	Handpump of Shri Rajpal Singh Tonger Village Sadapur	50 Ft
3.	GW3	Groundwater	08-12-2014	Handpump of Shri Jagveer Village Sadullapur	60 Ft
4.	GW4	Groundwater	08-12-2014	Jal Nigam in front of Shri Anmol's House Village Sadullapur	120 Ft
5.	GW5	Groundwater	08-12-2014	Handpump of Shiv Mandir Village Achheja	150 Ft
6.	GW6	Groundwater	08-12-2014	D.R Convent School Achheja	60 Ft
7.	GW7	Groundwater	08-12-2014	Handpump of Jal Nigam, Parmal Pradhan House Village Dujana	120 Ft
8.	GW8	Groundwater	08-12-2014	Handpump of Shri Jaipal's House Village Dujana	45 Ft
9.	GW9	Groundwater	08-12-2014	Handpump of Jal Nigam Pankaj Hotel & Restourent Bistrakh	110 Ft
10.	GW10	Groundwater	08-12-2014	Handpump of Jal Nigam in front of Bistrakh Nagar Market	120 Ft
11.	GW11	Groundwater	08-12-2014	Handpump of India Marka Roja Jalalpur	110 Ft
12.	GW12	Groundwater	08-12-2014	Borewell KRBL Ltd. Near Canteen	100 Ft
13.	GW13	Groundwater	10-12-2014	Goel Sweet & Restourent Chapraula GT Road	90 Ft
14.	GW14	Groundwater	10-12-2014	House No. 182 Chapraula GB Nagar Shri Brij Lal Singh	120 Ft
15.	GW15	Groundwater	10-12-2014	M/s KV Metal Industries, Bistrakh	160 Ft

Sl. No	Code	Source	Sampling Date and Time	Location	Depth
				Road Ghaziabad	
16.	GW16	Groundwater	10-12-2014	Chemical Industrial Area Plot No. 16 A Khasra No. 989 Bisrakh Road Ghaziabad	160 Ft
17.	GW17	Groundwater	10-12-2014	Shri Krishan Properties Near RS International Public School	160 Ft
18.	GW18	Groundwater	10-12-2014	Sidh Baba Mandir Dharampura Kheda	120 Ft
19.	GW19	Groundwater	10-12-2014	Dharampura Kheda Oppt. Company Bagh	120 Ft
20.	GW20	Groundwater	10-12-2014	Rakesh Kumar Near Prashant Traders Bishnuli	60 Ft
21.	GW21	Groundwater	10-12-2014	Jagdish Bishnuli	100Ft

**ANALYTICAL RESULTS OF GROUNDWATER**

Analytical results of Groundwater samples w.r.t Physio-chemical parameters

Ground Water Sampling Point	Physio-chemical										Bacteriological			
	pH	Cond.	TDS	Total Alkalinity as CaCO <sub>3</sub>	Total Hardness as CaCO <sub>3</sub>	Calcium as CaCO <sub>3</sub>	Magnesium	Chloride as Cl	Sulphate as SO <sub>4</sub>	F	Nitrate as NO <sub>3</sub>	Nitrite As NO <sub>2</sub>	Total Coliform (MPN/100 ml)	Fecal Coliform (MPN/100ml)
BIS Drinking water standards IS 10500:2012 (Desirable limit)	6.5 - 8.5	-	500	200	200	75	30	250	200	1.0	45	-	Shall not be detectable in any 100 ml	
GW1	7.4	597	348	300	297	37	56	10	14	0.6	9.4	BDL	5.6	1.8
GW2	7.3	720	416	324	280	80	43	21	39	0.3	54.7	0.32	<1.8	<1.8
GW3	7.2	1100	590	333	370	96	31	61	23	0.3	19.3	0.61	<1.8	<1.8
GW4	7.4	804	464	318	228	37	32	39	45	0.3	2.6	0.05	6.8	2.0
GW5	7.4	734	420	352	260	32	43	18	48	BDL	4.1	BDL	<1.8	<1.8
GW6	7.4	725	414	333	300	22	58	12	31	1	20.3	0.03	2.0	2.0
GW7	7.2	1073	616	402	360	40	62	96	148	BDL	61.5	0.13	<1.8	<1.8
GW8	7	3220	1886	398	1240	192	182	431	309	0.4	56.7	0.12	6.0	2.0
GW9	7.2	1263	730	429	390	120	21	113	45	0.3	11.3	0.03	14	4

## ANALYTICAL RESULTS OF GROUNDWATER

Analytical results of Groundwater samples w.r.t Physio-chemical parameters

Ground Water Sampling Point	Physio-chemical										Bacteriological			
	pH	Cond.	TDS	Total Alkalinity as CaCO <sub>3</sub>	Total Hardness as CaCO <sub>3</sub>	Calcium as CaCO <sub>3</sub>	Magnesium	Chloride as Cl	Sulphate as SO <sub>4</sub>	F	Nitrate as NO <sub>3</sub>	Nitrite As NO <sub>2</sub>	Total Coliform (MPN/100 ml)	Fecal Coliform (MPN/100ml)
BIS Drinking water standards IS 10500:2012 (Desirable limit)	6.5 - 8.5	-	500	200	200	75	30	250	200	1.0	45	-	Shall not be detectable in any 100 ml	
GW1	7.4	597	348	300	297	37	56	10	14	0.6	9.4	BDL	5.6	1.8
GW2	7.3	720	416	324	280	80	43	21	39	0.3	54.7	0.32	<1.8	<1.8
GW3	7.2	1100	590	333	370	96	31	61	23	0.3	19.3	0.61	<1.8	<1.8
GW4	7.4	804	464	318	228	37	32	39	45	0.3	2.6	0.05	6.8	2.0
GW5	7.4	734	420	352	260	32	43	18	48	BDL	4.1	BDL	<1.8	<1.8
GW6	7.4	725	414	333	300	22	58	12	31	1	20.3	0.03	2.0	2.0
GW7	7.2	1073	616	402	360	40	62	96	148	BDL	61.5	0.13	<1.8	<1.8
GW8	7	3220	1886	398	1240	192	182	431	309	0.4	56.7	0.12	6.0	2.0
GW9	7.2	1263	730	429	390	120	21	113	45	0.3	11.3	0.03	14	4

Ground Water Sampling Point	Physio-chemical										Bacteriological			
	pH	Cond.	TDS	Total Alkalinity as CaCO <sub>3</sub>	Total Hardness as CaCO <sub>3</sub>	Calcium as CaCO <sub>3</sub>	Magnesium	Chloride as Cl	Sulphate as SO <sub>4</sub>	F	Nitrate as NO <sub>3</sub>	Nitrite As NO <sub>2</sub>	Total Coliform (MPN/100 ml)	Fecal Coliform (MPN/100ml)
BIS Drinking water standards IS 10500:2012 (Desirable limit)	6.5 - 8.5	-	500	200	200	75	30	250	200	1.0	45	-	Shall not be detectable in any 100 ml	

Note:

ii) All the concentrations are expressed in mg/l except of pH, colour (Hazen units) and conductivity (µmho/cm)

iii) Bold red coloured values are exceeding the prescribed norms

Table 4: Analytical results of Groundwater samples-Heavy Metals and Pesticides

Ground Water Sampling Point	Heavy Metals										Pesticides			
	Cd (mg/l)	Cr (mg/l)	Cu (mg/l)	Fe (mg/l)	Mn (mg/l)	Ni (mg/l)	Pb (mg/l)	Zn (mg/l)	As (µg/l)	Total BHC Ng/l	Aldrin Ng/l	Total Endosulfan Ng/l	Dieldrin Ng/l	Total DDT Ng/l
BIS Drinking water standards IS 10500:2012 (Desirable limit)	0.003	0.05	0.05	0.3	0.1	0.02	0.01	5.0	10	-	0.03 µg/l	0.4 µg/l	-	1 µg/l
GW1	BDL	BDL	BDL	0.25	BDL	BDL	BDL	0.41	BDL	NT	NT	NT	NT	NT
GW2	BDL	BDL	0.05	8.48	0.03	BDL	BDL	4.62	BDL	NT	NT	NT	NT	NT
GW3	BDL	BDL	0.03	1.62	0.07	BDL	BDL	0.01	BDL	NT	NT	NT	NT	NT
GW4	BDL	BDL	0.04	1.36	0.02	BDL	BDL	2.89	BDL	NT	NT	NT	NT	NT

Ground Water Sampling Point	Heavy Metals										Pesticides			
	Cd (mg/l)	Cr (mg/l)	Cu (mg/l)	Fe (mg/l)	Mn (mg/l)	Ni (mg/l)	Pb (mg/l)	Zn (mg/l)	As (µg/l)	Total BHC Ng/l	Aldrin Ng/l	Total Endosulfan Ng/l	Dieldrin Ng/l	Total DDT Ng/l
BIS Drinking water standards IS 10500:2012 (Desirable limit)	0.003	0.05	0.05	0.3	0.1	0.02	0.01	5.0	10	-	0.03 µg/l	0.4 µg/l	-	1 µg/l
GW5	BDL	BDL	0.03	0.43	0.34	BDL	BDL	BDL	BDL	BDL	NT	NT	NT	NT
GW6	BDL	BDL	BDL	BDL	0.11	BDL	BDL	BDL	BDL	BDL	NT	NT	NT	NT
GW7	BDL	BDL	BDL	4.92	0.10	BDL	BDL	0.80	BDL	BDL	NT	NT	NT	NT
GW8	BDL	BDL	BDL	0.21	0.45	BDL	BDL	BDL	BDL	BDL	NT	NT	NT	NT
GW9	BDL	BDL	0.03	0.88	BDL	BDL	BDL	0.08	BDL	BDL	NT	NT	NT	NT
GW10	BDL	BDL	BDL	2.07	0.49	BDL	BDL	0.01	BDL	BDL	NT	NT	NT	NT
GW11	BDL	BDL	BDL	0.80	0.10	BDL	BDL	0.15	BDL	BDL	NT	NT	NT	NT
GW12	BDL	BDL	BDL	0.05	0.06	BDL	BDL	BDL	BDL	BDL	NT	NT	NT	NT
GW13	BDL	BDL	BDL	0.27	0.04	BDL	BDL	0.18	BDL	BDL	NT	NT	NT	NT
GW14	BDL	BDL	BDL	1.44	0.06	BDL	BDL	0.25	BDL	BDL	NT	NT	NT	NT
GW15	BDL	BDL	BDL	0.07	0.04	BDL	BDL	0.07	BDL	BDL	NT	NT	NT	NT
GW16	BDL	BDL	BDL	BDL	0.04	BDL	BDL	0.03	BDL	BDL	NT	NT	NT	NT
GW17	BDL	BDL	BDL	0.80	0.20	BDL	0.13	0.21	BDL	BDL	NT	NT	NT	NT
GW18	BDL	BDL	BDL	0.23	0.08	BDL	BDL	0.09	BDL	BDL	NT	NT	NT	NT
GW19	BDL	BDL	BDL	0.72	BDL	BDL	BDL	1.05	BDL	BDL	NT	NT	NT	NT
GW20	BDL	BDL	BDL	0.13	BDL	BDL	BDL	0.09	BDL	BDL	NT	NT	NT	NT
GW21	BDL	BDL	BDL	2.67	0.10	BDL	BDL	0.56	BDL	BDL	NT	NT	NT	NT

Note: i) Bold red coloured values are exceeding the prescribed norms

ii) NT: Not Traceable

iii) BDL: Below Detectable Limit