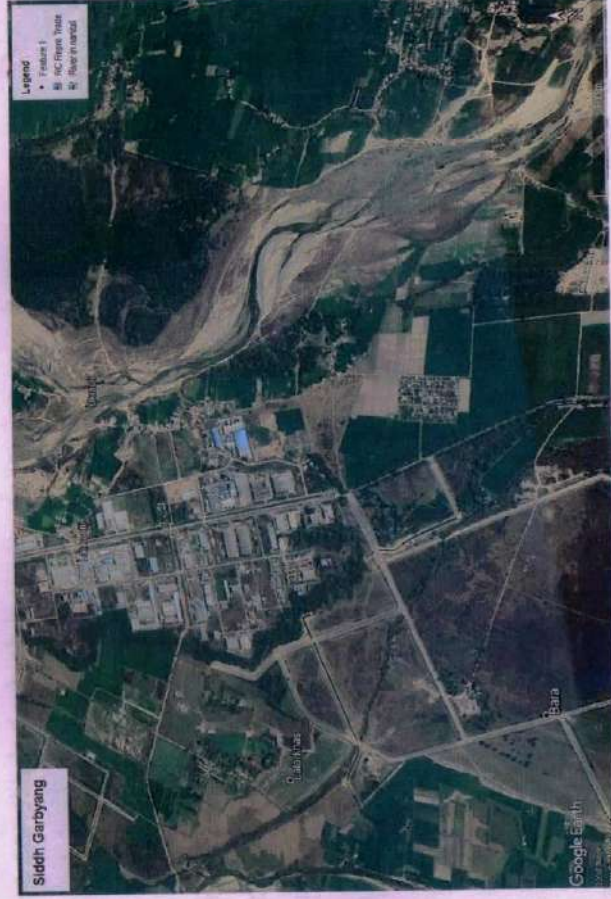


Inspection of Industrial Units and Village Siddh Garbyang

by the inspection team dated 21.03.2018
in compliance of the orders of Hon'ble NGT
in the matter of

"Tribunal on its own Vs State of Uttarakhand"
in OA 123/2018 dated 12.03.2018.



**Inspection by Uttarakhand Environment Protection and
Pollution Control Board and SIDCUL, Sitarganj**

Inspection of Industrial Units and Village Siddh Garbyang by the inspection team dated 21.03.2018 in compliance of the orders of Hon'ble National Green Tribunal in the matter of "Tribunal on its own Vs State of Uttarakhand" in OA 123/2018 dated 12.03.2018.

Hon'ble National Green Tribunal in its order under Original Application 123/2018 dated 12.03.2018 direct Uttarakhand Environment Protection and Pollution Control Board to conduct inspection of the industrial units near and around the village Siddh Garbyang Kalyan Sewa Samiti.

Hon'ble Tribunal also directed that the President/Secretary of Siddh Garbyang Sewa Samiti shall also accompany during the visit. The inspection shall be done within two weeks from today. In compliance of the aforementioned order of Hon'ble Tribunal, a committee constituted which includes following members: -

1. Sh. Sunil Arya, Asst. Env. Engineer, UEPPCB, Regional Office, Haldwani
2. Sh. Rakesh Kandari, Asst. Env. Engineer, UEPPCB, Regional Office, Kashipur
3. Representative of Regional Manager, SIDCUL, Rudrapur
4. Representative of ELDICO Sitarganj

Accordingly, the inspection was carried out on 21.03.2018 and 22.03.2018. The inspection team consist of following officials: -

1. Sh Sunil Arya, Asst. Environment Engineer
2. Sh Rakesh Kandari, Asst Environment Engineer
3. Sh. Mukesh Kumar Mandal, Junior Engineer, SIDCUL

Sh Praveen Srivastav, Project Manager, ELDECO, Sh Pratap Singh Garbyal President of the Village Samiti and Sh Dan Singh Garbyal, Secretary of the Samiti were also present during the visit. (Attendance is enclosed as **Annexure-1**). Committee has called the Third-Party Laboratory (NABL Accredited as well as approved by MoEF&CC) for collection and analysing the samples of water air and soil.

Geography of the Area: -

The Village Siddh Garbyang is located in District Udham Singh Nagar, Tehsil Sitarganj. Industrial Area of State Industrial Development Corporation of Uttarakhand Ltd (SIDCUL) namely ELDICO Sitarganj is located on nearly 500 mt towards north-east of this Village. On the South East River Kailash is flowing and on North West

Begul Canal is there. On the South West part agriculture filed exists. Google map of the village showing all above locations as well as sampling photographs are annexed at **Annexure-2**.

Inspection comprises into three segments namely- A) Sampling Sampling of the Water, Air and Soil from Village, B) Inspection and Sampling of main water-based industries and C) Inspection and Sampling from Common Effluent Treatment Plant

Which Industries are discharging untreated effluents

A total of 85 industries are there in the Sitarganj Industrial Area along with one Common Effluent Treatment Plant of capacity 4 MLD. Inspection of the units have also been carried out and found that none of them is disposing effluent in to sub surface strata. All are connected to CETP.

As per information given by the CETP operator, all 85 units are connected with the CETP. Out of 85 units, 12 units are such which are generating industrial Effluent. However, remaining 73 units are having domestic effluent only. Brief Description of these 12 units is as follows: -

Table-1: Brief of the industries which are generating industrial effluent: -

S. No.	Name of the Industry	Product	Industrial Waste Water at installed/ consented capacity	Mode of Disposal	Validity Consent to Operate
1	M/s Ambuja Gujarat Exports Ltd	Glucose and its derivatives	1635 KLD	Unit has full ETP. Effluent is primarily treated and sent to CETP.	31.03.2018 (Renewal Under Consideration)
2	M/s Balaji Action Buildwell.	Plywood and Resin	475 KLD	Unit has full ETP. Effluent is primarily treated and sent to CETP.	31.03.2018 (Renewal Under Consideration)
3	M/s Benckiser India Ltd(Unit-1)	Liquid Cleaner	42 KLD	Unit has full ETP. Effluent is primarily treated and sent to CETP.	31.03.2019
4	M/s Benckiser India Ltd(Unit-2)	Liquid Cleaner	35 KLD	Unit has full ETP. Effluent is primarily treated and sent to CETP.	31.03.2019
5	M/s Surin Automotive Pvt Ltd	Auto parts	10 KLD	Unit has full ETP. Effluent is primarily treated and sent to CETP.	31.03.2018 (Renewal Under Consideration)
6	M/s Parley Biscuits Pvt Ltd	FMGC Unit	15 KLD	Unit has full ETP. Effluent is primarily	31.03.2022

7	M/s Parley Agro Pvt Ltd	FMGC Unit	700 KLD	treated and sent to CETP.	31.03.2018 (Renewal Under Consideration)
8	M/s Western Consolidated Pvt Ltd	Sheet metal components	10 KLD	Unit has full ETP. Effluent is primarily treated and sent to CETP.	31.03.2018 (Renewal Under Consideration)
9	M/s Mascot Fasteners Pvt Ltd	Fasteners	2 KLD	Unit has full ETP. Effluent is primarily treated and sent to CETP.	31.03.2018 (Renewal Under Consideration)
10	M/s Shriram Electricals	Auto Component	2 KLD	Unit has full ETP. Effluent is primarily treated and sent to CETP.	31.03.2018 (Renewal Under Consideration)
11	M/s Henkle Chembond Surface Technology Pvt Ltd	Coolant and Autophoretic Chemical	2 KLD	Unit has full ETP. Effluent is primarily treated and sent to CETP.	31.03.2020
12	M/s Speciality Industrial Polymers and Coating Pvt Ltd	Water based polymers	2 KLD	Unit has full ETP. Effluent is primarily treated and sent to CETP.	31.03.2018 (Renewal Under Consideration)

Out of above 12 industries effluent samples from the stream which is channelized to CETP were taken for the purposes of the analysis of parameters to check whether the unit is making primary treatment as required under agreement for CETP inlet. Sample results of major industrial waste water generating 09 industries are placed in the **table-2** on next page.

Table-2: Sample Analysis of effluent of industries channelized to CETP inlet: -

Name of unit / Parameter (all in mg/l except pH)	pH	BOD	COD	TSS	Oil & Grease	Ammonia Nitrogen	Fe	Cr	Pb	Cd	Ni	Zn
M/s Gujarat Ambuja Exports Ltd	6.85	245	489	39	5.2	20.8	BDL	BDL	BDL	BDL	0.32	BDL
M/s Balaji Action Buildwell.	7.18	12	87	18	< 3	4.7	BDL	BDL	BDL	BDL	BDL	BDL
M/s Parley Agro Pvt Ltd ETP	7.28	7	29	7	< 3	1.1	BDL	BDL	BDL	BDL	BDL	0.58
M/s Parley Agro Pvt Ltd STP	7.32	24	116	39	< 3	6.0	BDL	BDL	BDL	BDL	BDL	0.68
M/s Parley Biscuits Pvt Ltd STP	7.12	85	202	59	< 3	19.0	0.53	BDL	BDL	BDL	BDL	BDL
M/s Reckitt Benckiser India Ltd (Unit-1)	7.34	7	42	22	< 3	2.2	3.09	BDL	BDL	BDL	BDL	0.16

M/s Reckitt Benckiser India Ltd(Unit-2)	7.15	12	83	8	< 3	1.6	BDL	BDL	BDL	BDL	BDL	BDL
M/s Surin Auhomotive Pvt Ltd	7.60	22	141	28	< 3	2.19	BDL	BDL	BDL	BDL	0.40	4.13
M/s Surin Auhomotive Pvt Ltd through separate drain	7.19	85	415	89	< 3	52.0	2.16	BDL	0.06	BDL	1.82	11.19
M/s Western Consolidated Pvt Ltd	7.59	45	216	86	< 3	3.3	7.9	BDL	BDL	BDL	5.28	4.01
M/s Fleetguard Filter Pvt Ltd	7.24	14	95	42	< 3	3.8	BDL	BDL	BDL	BDL	BDL	BDL
Agreed values of parameter for CETP inlet	5.5-9	550	900	1100	20	50	--	<2	<1	<1	<3	<15

Industries causing Air Pollution.

For the purpose, Board has analysed stack emission of 04 units which are using solid fuel in Boilers. Name of such units along with the Boiler Capacity, fuel used and air pollution control devices is as follows: -

Table-3: Sample Analysis of Stack emission: -

S. No.	Name of the unit	Boiler/ Heater Capacity	Thermic Fluid	Fuel Used	Air Control Device	Pollution Device	Emission Values			
							PM Milligm/M ³	SOx Milligm/M ³	NOx Milligm/M ³	
1	M/s Gujarat Ambuja Exports Ltd	03 Boiler (operative), 30 Ton	37 Ton, 8	Rice Husk	Electro Precipitator (37 Ton)	Static Dust Collector (30 Ton)	112	BDL	21.3	
2	M/s Balaji Action Build well.	03 TFH (02 operative) Common Stack 20 Lakh each	20 Lakh KCAL/Hr for	Agro Fuel	Multi Dust Collector and Dust Collector	Cyclone with Dust Collector	127	BDL	23.3	
3	Packaging India Pvt Ltd	02 TFH (One operative) 10 Lakh KCAL/Hr		Agro Fuel	Dust Collector		86	BDL	25.6	
4	Parley Agro Pvt Ltd	02 Boiler (One Operative) 4 Ton	(One)	Agro Fuel	Bag Filters and Cyclon Collector	Dust	147	BDL	19.1	
Prescribed Standards							150	Not Prescribed	Not Prescribed	

Compliance of Environment Clearance Conditions issued to units.

A total of 04 Environmental Clearance are there one was issued to M/s Balaji Action Build well, another one for Fleet Guard Filters Pvt Ltd, third one to Speciality Industrial Polymers and Coating Pvt Ltd and Fourth one to ELDECO Infrastructure and Properties Ltd for setting up Integrated Industrial Area. Compliance of the EC condition is as follows:-

- a) **M/s Balaji Action Build well:** The unit was accorded EC on 24.12.2013 from MoEF for manufacturing of formaldehyde to be used for making Resin which further used to produce Multi Density Fiber Board. Unit is complying with the EC conditions. Unit is also having consent from UEPPCB which is valid up to 31.03.2018 and further renewal application is under consideration.
- b) **M/s Fleet guard Pvt Ltd:** The unit was accorded EC on 04.01.2015 by State Level Environment Impact Assessment Authority for manufacturing of Poly Urethane Injections. Unit is complying with the EC conditions. Unit is also having consent from UEPPCB which is valid up to 31.03.2019.
- c) **M/s Speciality Industrial Polymers and Coating Pvt Ltd:** The unit was accorded EC on 24.01.2016 State Level Environment Impact Assessment Authority for manufacturing of water base polymer. Unit is complying with the EC conditions. Unit is also having consent from UEPPCB which is valid up to 31.03.2018 and further renewal application is under consideration.
- d) **M/s ELDECO Infrastructure and Properties:** - The unit was accorded EC on 21.03.2006 from MoEF for setting up integrated industrial Estate at Sitarganj which includes a CETP of 4 MLD capacity. Previously Consent to Operate of the Unit was refused by Board. Present application for Consent to Operate is under consideration with Board. Following non-compliance were observed: -

- i) Established CETP is not complying with the Zero Liquid Discharge. CETP of 4 MLD capacity received 2.4 MLD effluent and this is earlier disposed in to Storm water drain which ultimately accumulated in nearby low-lying area and causing environment nuisance in the form of water pollution and foul smell.
- ii) Unit has just started to utilise effluent for Horticulture by adopting Karnal Technology.
- iii) Sample of the inlet, finally treated tank. Results are as follows:-

Table-4: - Results Showing CETP inlet and put let parameters

Parameter/ Location	CETP Inlet	CETP Inlet parameter as per agreement with industries	CETP finally treated water storage tank	Standard for inland surface water
pH	6.92	5.5-9.0	7.24	5.5-9.0
TSS (mg/L)	208	1100	18	100
COD(mg/L)	970	900	114	250
BOD(mg/L)	435	550	24	30
Oil & Grease (mg/L)	5.6	20	< 3	10
Lead (mg/L)	BDL	< 1	BDL	0.1
Nickel (mg/L)	0.29	< 3	0.10	3.0
Chromium (mg/L)	BDL	< 2	BDL	2.0
Zinc (mg/L)	0.05	< 15	BDL	5.0
Cadmium (mg/L)	BDL	< 1	BDL	2.0
Iron (mg/L)	1.50	NA	BDL	—
Ammoniacal Nitrogen (as NH ₃ -N)	31.0	50	16.5	50

As per observed values, it is found that at inlet only COD is slightly exceeding with the agreed valued between industries and CETP operator. However, analysis report of individual industry reveals that they are discharging their effluent into CETP inlet within the agreed values. CETP outlet parameters are found within norms.

Sampling of the Water, Air and Soil from Village: -

- i) **Ambient Air Quality:** Ambient Air Quality Station was setup Near Community Hall Building of Village Siddh Garbyang. Sample was collected for 24 Hrs for PM 2.5, PM-10, Sulphur Di Oxides, Oxides of Nitrogen and other parameters as specified for Ambient Air Quality by Government of India.
- Results are given in the following table: -

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Table-5: Showing Results of Ambient Air Quality of village Siddh Garbyang

S. No.	Name of Parameter	Observed Value microgm/M ³	Standard Value microgm/M ³	Remarks
1.	PM10	92	100	Within norms
2.	PM2.5	46.2	60	Within norms
3.	Oxides of Nitrogen	26.1	80	Within norms
4.	Sulphur Di Oxide	15.1	80	Within norms
5.	Carbon Mono Oxide	1.025	2.0	Within norms
6.	Benzene	BDL	5.0	Not observed
7.	Ammonia	BDL	100	Not Observed
8.	Ozone	23.2	100	Within norms
9.	Lead (Pb)	BDL	1.0	Not Observed
10.	Arsenic	BDL	6.0	Not observed
11.	Nickel (Ni)	BDL	20	Not observed
12.	Benz-O-Pyrene	BDL	1.0	Not observed

- ii) **Ground Water Quality:** Ground water samples were taken from 04 locations from the handpumps situated in the village. These samples were analysed for general parameters as well as for toxic metal. Results are shown in the table below: -

Table-6: Showing Results of Ground Water Quality of village.

Parameter/Location	Siddh Garbyang Vikas Samiti Office (GW-1) 120 ft.	House of Sh Dhan Laal Vill Siddh Garbyang (GW-2) 25-30 ft.	House of Sh bahadur Vill Suddh Garbyang (GW-3) 30-35 ft.	Opp House of Sh Shankar Vill Lakshmijhala (GW-4) 40 ft.	Standard Value IS10500-2012	
					Acceptable Limit	Permissible Limit
Depth	120 ft.	25-30 ft.	30-35 ft.	40 ft.		
Color (Hazen)	Colourless	Colourless	Colourless	Colourless	5	15
Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Taste	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Turbidity (NTU)	<0.1	<0.1	<0.1	<0.1	1.0	5.0
pH	7.26	7.20	7.54	7.25	6.5-8.5	No Relaxation
TDS (mg/L)	252	393	360	274	500	2000
Total Hardness (mg/L)	213	354	353	334	200	600
Calcium (mg/L)	65	117	83	54	75	200
Magnesium (mg/L)	13	18	33	21	30	100
Chloride (Mg/L)	5	28	18	10	250	1000
Sulphate (mg/L)	25	28	31	18	200	400
Free Residual Chlorine (mg/L)	BDL	BDL	BDL	BDL	0.2	1.0
E-Coli (per 100 ml)	Absent	Absent	Absent	Absent	Shall not be detectable in 100 ml sample	Not Applicable
Total Coliform (per 100 ml)	< 1	< 1	< 1	< 1	Shall not be detectable in 100 ml sample	Not Applicable
Lead (mg/L)	BDL	BDL	BDL	BDL	0.1	No Relaxation
Iron (mg/L)	0.041	0.059	0.051	0.040	0.3	No Relaxation
Chromium (mg/L)	BDL	BDL	BDL	BDL	0.05	No Relaxation
Zinc (mg/L)	0.640	BDL	BDL	BDL	5.0	15.0
Nickel (mg/L)	BDL	BDL	BDL	BDL	0.2	No Relaxation
Cadmium (mg/L)	BDL	BDL	BDL	BDL	0.003	No Relaxation
Alkalinity (mg/L)	205	323	304	167	200	600

From the result it is observed that the Total hardness always found above the Acceptable Limits but with in the permissible limits. Total Alkalinity also higher against the acceptable limit in all samples except GW-4. None of the toxic metal is found in the samples. Calcium is also higher in GW-2 and GW-3. Increased values of CA, Hardness and Alkalinity may be due to shallow boring and geogenic reasons.

- iii) **Surface Water Quality:** Surface water samples were taken from 03 locations description and results of the samples are given at following table.

Table-7: Showing Results of Surface Water Quality.

Parameter/ Location	River Kailash Up stream of Industrial Area	Rive Kailash Down stream of Industrial Area	Begul Canal, Downstream of Industrial Area
pH	7.41	7.05	7.62
TSS (mg/L)	< 5	< 5	8
COD(mg/L)	29	21	46
BOD(mg/L)	7	< 5	8
DO (mg/L)	6.0	6.2	5.8
Oil & Grease (mg/L)	< 3	< 3	< 3
Lead (mg/L)	BDL	0.03	BDL
Nickel (mg/L)	BDL	BDL	BDL
Chromium (mg/L)	BDL	BDL	BDL
Zinc (mg/L)	0.15	0.20	BDL
Cadmium (mg/L)	BDL	BDL	BDL
Iron (mg/L)	BDL	BDL	BDL
Water Quality Criteria	B	B	B

Samples also taken from the storm water drain where the effluent found previously discharged by CETP Operator as well as the low-lying area where effluent found accumulated.

Table-8: Showing Results of Drain and waste water stored in Low lying area.

Parameter/ Location	Out let of CETP open into Strom water drain	Waste water found in Lowlying Areas	Discharge Standard
pH	7.28	6.59	5.5-9.0
TSS (mg/L)	35	236	Not Prescribed
COD(mg/L)	149	1855	250
BOD(mg/L)	25	960	30
Oil & Grease (mg/L)	< 3	9.2	10
Lead (mg/L)	BDL	BDL	0.1
Nickel (mg/L)	0.12	2.43	3.0
Chromium (mg/L)	BDL	BDL	2.0
Zinc (mg/L)	BDL	3.13	5.0
Cadmium (mg/L)	BDL	BDL	2.0
Iron (mg/L)	BDL	15.25	3.0

The waste water filled in low lying area is found very high in BOD, COD, and Iron content.

- iv) **Soil Quality:** 02 samples of the soil one is from the field of Sh Himmat Singh S/o Sh. Bhim Singh and another one is from agriculture filed near the Industrial Area of Sitarganj. Results are as follows:-

Table-9: - Showing Results of Soil Samples.

Parameter/Location	field of Sh Himmat Singh	agriculture filed near the Industrial Area
Depth	1.5 ft.	1.5 ft.
pH	7.32	6.65
Lead	0.496 mg/Kg	10.39 mg/Kg
Cadmium	6.45 mg/Kg	BDL
Chromium	BDL	11.27 mg/Kg
Zinc	7.35 mg/Kg	39.90 mg/Kg
Iron	47.03 mg/Kg	16686.2 mg/Kg
Oil & Grease	8.32 mg/Kg	10.18 mg/Kg

Standard for Soli is not prescribed under EP Rules. However, high concentration of Toxic metals found in the soil near Industrial Area with comparatively low values in the agriculture field inside the village except Cadmium.

Mukesh Kumar Mandal
JE, SIDCUL, Sitarganj

Rakesh Kandari
Asst. EE, UEPPCB

Sunil Arya
Asst. EE, UEPPCB

Observations: -

1. The Village Siddh Garbyang is located in District Udham Singh Nagar, Tehsil Sitarganj. Industrial Area of State Industrial Development Corporation of Uttarakhand Ltd (SIDCUL) namely ELDICO Sitarganj is located on nearly 500 mt towards north-east of this Village.
2. There are 85 operational units in the Industrial area of Sitarganj. **All of the such units are connected with Common Effluent Treatment Plant (CETP).**
3. Out of 85 units 12 units are generating Industrial Effluent which after **requisite primary treatment** channelized its effluent to CETP.
4. Sample of **M/s Surin Automotive** is exceeding with prescribed limit for Ammonical Nitrogen. Sample of **M/s Western Consolidated Pvt Ltd** is exceeding with prescribed limit for Nickel.
5. **CETP has its outlet for discharge of treated waste water in the storm water drain of SIDCUL.** However, during inspection there is no discharge observed in the said drain. **CETP is now discharging its effluent in to the nearby land and plan to develop the same on Karnal Technology.**
6. In and around the irrigation canal and village Siddh Garbyang **untreated waste water was found disposed in huge quantity** which is filled in low lying area and creating foul smell as well. This effluent is because of discharge of the effluent by CETP operator in past. **Previously a joint inspection (dated 29.12.2017) of the area was also carried out with District Administration wherein it is confirmed that the CETP operator was by-passing the effluent in to storm water drain which overflowing in to adjoining canal as well as on the low-lying area. Copy of the report is enclosed at Annexure-3.**
7. The stack of M/s Gujarat Ambuja ~~Exports~~ attached with the 37 Ton Boiler is nearest stack from the village (nearly 400 mt) which may be main cause of air pollution. However, unit has provided Electrostatic Precipitator on the same.
8. **Water table is high due to which the water stored in low lying area is suspected to be infiltrate in to subsurface water.**
9. **Pollution Control Board of Uttarakhand has already taken action against the CETP operator by refusing the consent to operate twice and by issuing a direction to Show Cause for closure under section 33-A of the Water Act.**

Also, Board has filed a complaint case against the CETP before the Hon'ble Designated Court under Water Act.

10. Pollution Control Board has also issued direction under section 33-A to all units of the industrial area to commission their own treatment plants so as in case of issuance of closure to the CETP, individual industry would not suffer.
11. This is peculiar that the CETP after its operation since 2015 has not been operated under the norms and Board has continuously agitating and finally issued direction to Show Cause as mentioned above.

Conclusion: -

Directions of Hon'ble NGT	Compliance
Identify the industries which are discharging untreated effluents	All industries are connected with CETP. Sample of M/s Surin Automotive is exceeding with prescribed limit for Ammonical Nitrogen. Sample of M/s Western Consolidated Pvt Ltd is exceeding with prescribed limit for Nickel. CETP has its outlet for discharge of treated waste water in the storm water drain of SIDCUL. However, during inspection there is no discharge observed in the said drain. CETP is now discharging its effluent in to the nearby land and plan to develop the same on Karnal Technology. In and around the irrigation canal and village Siddh Garbyang untreated waste water was found disposed in huge quantity which is filled in low lying

	area and creating foul smell as well. This effluent is because of discharge of the effluent by CETP operator in past. Presently the CETP final treated waste water results are within discharge norms
Which of the industries are causing air and ground water pollution.	Only 04 units are found which are using Big Boilers using solid fuel. Stack emission are found within norms. M/s Gujarat Ambuja the largest industry w.r.t. large Boiler also required to provide ESP on the additional Boiler capacity 30 Ton as required under S. No. 70 of schedule-1 of Environment Protection Rules 1986. Ground water of the area is well within permissible limit. Total Hardness as well as Alkalinity is above the acceptable limit which may be due to geogenic reasons and shallow water.
Whether the industries are complying with the conditions of EC granted to them	04 units have been accorded Environmental Clearance as mentioned in the report. One-unit M/s ELDECO is not complying as it is not making ZLD for treated waste water from CETP.
The PCB shall also collect samples of the effluents discharged, and of ground water coming out of the tube wells	Samples collected and results have already been mentioned in the above paras which reveals that Total Hardness as well as Alkalinity is above the acceptable limit which may be due to geogenic reasons and shallow water.

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K. S. Singh

To assess the smoke coming out of the chimneys.	Only 04 units are found which are using Big Boilers using solid fuel. Stack emission are found within norms.
Collect samples of soil of the agriculture fields so as to ascertain whether it has also been affected by industrial effluents	Sample collected which reveals that high concentration of metal observed in the soil of agricultural field adjacent to Industrial area.
When the PCB visits the site they shall intimate the President /Secretary of Siddh Garbyang Kalyan Sewa Samiti who shall accompany them, at the time of inspection	President and Secretary of the Samiti were also accompanied during the visit.

Recommendations: -

1. CETP operator may be directed to pump the effluent from the low-lying areas into the CETP and treat it as per the prescribed norms.
2. Since the sample of M/s Surin Automotive is exceeding with prescribed limit for Ammoniacal Nitrogen. Sample of M/s Western Consolidated Pvt Ltd is exceeding with prescribed limit for Nickel, so, direction may be issued to these units under Water Act.
3. Since the CETP is not performing since last 03 years of its operation. However, presently it's sample results are found within norms. Hon'ble NGT may direct the operation of the CETP be taken by SIDCUL or by making an Association of the Industries of that Area, considering the previous non-compliance by CETP operator.
4. CETP is not complying with Zero Liquid Discharge. Water table in this area is high so achieving zero discharge by land disposal is quite difficult task. Area Developer (SIDCUL/ ELDECO) may lay the separate line for reverting back the treated effluent to industries wherever possible. CETP operator may also approach to Ministry of Environment Forest and Climate Change for seeking permission to Discharge in nearby Kailash river by making amendment in the condition of EC.

5. SIDCUL may be directed to ensure the compliance and enforcement of conditions of Environmental Clearance in the area.
6. M/s Gujarat Ambuja may be directed to install a Continuous Ambient Air Quality Monitoring Station in the premises towards the village (d/s of the Stack) and connect the same to a server so that SPCB and CPCB may access the same. This unit may also have directed to interlock the operation of Boiler with the Electrostatic Precipitator.
7. M/s Gujarat Ambuja has also to provide ESP ^{additionally} on the Boiler capacity 30 Ton as required under S. No. 70 of schedule-1 of Environment Protection Rules 1986.
8. Further water-based industries should not be allowed till the CETP has not make necessary arrangements for utilisation of treated effluent effectively.
9. At present inlet parameter as well as outlet parameter for Ammoniacal Nitrogen, pH, Ni, Cr at CETP is 50 mg/l, 5.5-9.0, 3.0 mg/l and 2.0 mg/l respectively are same. It is recommended that like other parameters (where inlet values are higher than the outlet values like BOD, COD, TSS etc) value of ammoniacal nitrogen, pH, Ni, Cr at CETP inlet be above the discharge norms. The limit may be decided by SIDCUL, CETP Operator, Pollution Control Board and Industry Association.
10. Association of Industries or CETP operator may be asked to provide deep borewell in the nearby villages so that the clear water be available to the residents.
11. District Agriculture Officer may be directed to analyse the soil quality of entire area to access the level of contamination in soil and its suitability for growing crops.