



उत्तर प्रदेश प्रदूषण नियंत्रण बोर्ड
UTTAR PRADESH POLLUTION CONTROL BOARD

Ref. No.....

13713/01/11/19

Dated 17/6/19

To,

The Registrar General,
Hon'ble National Green Tribunal,
Principal Bench, Faridkot House, Copernicus Marge,
New Delhi- 110001.

Sub: Compliance of Order passed in O.A. No. 242/2019 Dr. Anil Kumar Pandey, Prakritik Sampada Sanrakshan Samiti, Gorakhpur Vs. State of Uttar Pradesh by the Hon'ble NGT, New Delhi on dated 16.04.2019.

Sir,

With refer to the subject this is to inform that in OA No. 242/2019 Dr. Anil Kumar Pandey Prakritik Sampada Sanrakshan Samiti, Gorakhpur Vs. State of Uttar Pradesh order was passed on 16.04.2019 by the Hon'ble NGT, New Delhi. The relevant portion of the same is coated below:

“ Grievance in this letter, which has been treated as an application, is that *Saraya distillery* is being operated in Sardarnagar, Gorakhpur, UP, causing pollution in violation of the order of this Tribunal dated 19.01.2015 in O.A. No. 08/2014, *Krishan Kant Singh v. M/s. Sariya Distillery Sardar Nagar, Gorakhpur.*

Let the Uttar Pradesh State Pollution Control Board look into the matter, take appropriate action in accordance with law and furnish a factual and action taken report within two months by e-mail at ngt.filing@gmail.com.

In compliance of the said order a joint team comprising of officials from CPCB, Lucknow and UPPCB Regional office, Gorakhpur inspected M/s. *Saraya distillery*, Sardarnagar, Gorakhpur, UP on 18.04.2019 to verify the discharge of the unit into Pharenda Nala through local drain and then finally into tributaries of Ghaghra River as satellite images mapped and recommended by Remote Sensing Application Centre. The team carried out inspection of the unit and also monitored the nearby drain from industry to Pharenda Nala.

A copy of the joint report is enclosed here with for kind perusal and for record please.

As per the recommendations made by the joint inspection committee and in view of concluding remark by Regional Director, CPCB the Board has vide its letter no. H 37193/C-6/ Consent Water/01/GKP/19 dated 12.06.2019 issued direction to the industry. The compliance thereof is awaited. A copy of the letter is enclosed here with for information please.

Thanking You

Enclosure: As Above

Sincerely Yours,

(Kuldeep Misra)
Chief Environment Officer
(CEO-6)

Copy:

Shri Pradeep Misra (Advocate), Supreme Court, B-235, Sector-XIX, Noida- 201301 for Information and necessary action.

Chief Environment Officer
(CEO-6)



CENTRAL POLLUTION CONTROL BOARD
Regional Directorate (North), Lucknow

In compliance of direction taken by Eastern UP rivers and water Reservoirs Monitoring committee constituted by Hon'ble NGT during meeting on 22.12.2018 and 22.01.2019, a joint team comprising of officials from CPCB, RD(N), Lucknow and UPPCB, RO, Gorakhpur inspected M/s Saraya Distillery, Sardar Nagar, Gorakhpur, U.P. on 18th April, 2019 to verify the discharge of the unit into Pharenda Nalla through local drain and then finally into tributaries of Ghaghra river as satellite images mapped and recommended by Remote Sensing Application Centre. During visit, the team carried out inspection of the unit and also monitored the nearby drain from industry to Pharenda Nalla. During inspection, the industry was in operation. Salient observations and recommendation based on the inspection of the unit are as given below:

1	Name and address of the factory	M/s Saraya Distillery Sardar Nagar, Gorakhpur	
2	Period of visit	18-04-2019	
3	CPCB officials visited	Designation	Contact No & e- mail
	1. Dr. Raj K. Singh	Scientist 'D'	8586931575 rksingh.evs@gmail.com
	2. Sh. Vijay Kr. Pal	SRF	8840763383
	Factory officials interacted	Designation	Contact No & e- mail
	1 Sh. Gurmukh Singh	CGM	9935596234
	2 Sh. Ajay Sharma	Sr. Mgr. (EHS)	8114421576 Email: ajaysharma@sarayagroup.com
4	Year of Commissioning	1951	
5	Manufacturing Process	Fermentation + Distillation	
6	Licensed capacity of Distillery (KLPD)	110 KLPD 55 KLPD (consented capacity)	
	Present Production in KLPD	45-50 KLPD	
	Products Manufacture KLPD	Rectified Spirit	
	RS	45-50 KLPD	
	ENA	---	
	Absolute Alcohol/Ethanol	---	
7	Raw Material requirement per day		
	Molasses (in Qtls)	2300-2500	
9	Status of consents and authorization (Validity/applied)	Air	31-12-2019
		Water	31-12-2019
10	Estimated no. of operating days during the season	270 days (restricted by CPCB)	
11	Process Details (attach mass balance, water balance & process flow diagram)	Fermentation- Distillation- Biogas- MEE (Bio composting, CPU)	

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Water pollution and its Control

1.	Water Supply Source	Tube wells	
2.	No. of Bore wells	02	Cap- 60-70 m ³ /hr HP- 20 & 50
3.	Water consumption (KLD)	1000 KL approx..	
4.	Log Book Maintained Yes/No	Yes	
5.	Borewell meter reading	776152 M ³	
6.	CGWA Permission	Applied for permission	

(Based on 1-month observation)

3. Waste Water generation (KLD)

1.	Stream/section	Quantity, m ³ /day	Disposal/utilization
2.	Spent wash generation	525-540	Bio-gas digester
3.	Fermenter dilution process	430	
4.	Spent lees	444	360 m ³ is being recycled into plant for distillation and balance feed to WWTD
5.	Fermenter washing	17	Taken into Distillation
6.	Process condensate	90	Used in Boiler
7.	Floor washing	NA	NA
8.	Cooling tower blow down	20-25	Feed into MEE
9.	Boiler blow down	8-10	Ash quenching/ Wet scrubber
10.	DM plant reject	255	CPU
11.	Others		

Bio-methanation Plant Performance

Setting cum cooling tank capacity = 800 M³

Setting cum cooling tank RT = 1-2 days

Digester design basis= Hydraulic Retention Time = 26 days

= Organic Loading Rate = 5-6 kg/m³ day

Type of Technology = CSTR

Date of observation-31-01-2018	Minimum Performance parameters
Feed rate, M ³ /Day	525 m ³ /day
Brix, (Inlet/Outlet)	10-12/ 8-10
pH, (Inlet/Outlet)	4.5-5/ 7.5-8
COD, mg/L (Inlet/Outlet)	130000-140000/ 50000-60000
COD reduction %	60-65%
Biogas generation, NM ³ /Kg of COD consumed	7-10 NM ³ /kg COD consumed
Biogas generation, M ³ /Day	20000-22000 NM ³

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Other observations related to Bio-digester

- No. of days of operation of digesters (days/annum): 240 days (Jan'18- Dec'18)
- Re-stabilization method and period required: Low feed of spent wash is given along with microorganism and nutrients.
- How digester is maintained during ideal days?: Stored spent wash is fed at low rate.
- How temp. of digester is maintained? By feed temperature.
- Total biogas generated (M³/annum) and bagasse /coal saved: 20000 m³/day and 40% rice husk are saved
- Whether digester has been revamped? If yes, how many times & for what purpose?: NA
- Sludge generation from digester and how the sludge is disposed off? : Used in Bio compost
- Log Book records supporting biogas plant performance: Yes (Dec'18 record enclosed)

Waste Management

	Date-	Quantity	
		KLD	Disposal/utilization
1.	Sludge (Slurry fermentation)	10-12	Sludge is used in Bio composting
2.	Boiler Ash	10-12 MT/day	Used in landfilling
3.	Disposal/utilization	NA	NA
4.	Log book maintained Yes /No	No	

Information regarding MEE

- Setting tank capacity before MEE = 20000 m³
- Year of installation/establishment & commissioning of MEE plant: Oct '2016
- Type of technology of MEE: Combination of falling film and forced circulation evaporators.
- Number of Effects with their HTA and MOC. Number of stand-by bodies and degasser provided: 8 effects with 2448.2 m² HTA and it MOC is SS-304 and degasser is provided.
- Designed feed capacity and evaporation duty of MEE (M³/day): Feed rate 600 m³/day with specific gravity of 1.060 and evaporation duty is 60% condensate and 40% syrup.
- Acceptable level of suspended solids, dissolved solids etc. in the feed: Solid 8.5%, COD-42450 mg/l, BOD- 8510, TDS- 34529 ppm, TSS- 7850, pH- 8.21
- What is the frequency and duration of cleaning: 8 hrs. after every fortnight.
- Log Book supporting MEE plant performance: Yes.

Further treatment/disposal of Condensate/Concentrate

5.	Type-	Integrated		
6.	Capacity	600 M ³		
7.	No. of Effects (MEE)	8		
8.	MEE feed rate	Kg/hr	20-25	Sp. Gr.- 1.060

