BEFORE THE NATIONAL GREEN TRIBUNAL,
PRINCIPAL BENCH, NEW DELHI

M.A. No.879 of 2013
In
Original Application No.299 of 2013

IN THE MATTER OF:

Krishan Kant Singh & Anr.
Vs.
National Ganga River Basin Authority & 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 DR. R.C. TRIVEDI, EXPERT MEMBER

Present:	**Applicant :**	**Ms. Preeta Dhar and Ms. Pallavi Jalware, Advocates** **Mr. Aagney Sail, Local Commissioner**
	Respondent No. 1&2:	**Mr. Vikas Malhotra and Mr. M.P. Sahay, Advocates**
	Respondent No. 3:	**Mr. Alpana Poddar and Mr. Raj Kumar, Advocates with Mr. S.L. Gundlhi, Law Officer**
	Respondent No. 4:	**Mr. B.V. Niren, Advocate**
	Respondent No. 5:	**Mr. Mr. Raman Yadav and Ms. Nauras Suhrawardy**
	Respondent No. 7:	**Mr. Vikas Malhotra and Mr. Arjun Mahajan**
	Respondent No. 8:	**Mr. Arvind Kumar Shukla, Advocate**
		Mr. Pradeep Misra and Mr. Daleep Kumar Dhayani, Advocates, UPPCB
		Mr. Anil Airi, Advocate for CETP
		Mr. Rohit Gupta, Advocate for Rosa Power Supply Co., Ltd.,
		Noticee – IFFCO – Mr. Motish K. Singh
		Noticee - Mr. M.Z. Chaudhary and Mr. S.A. Zaids, Advocates for Mr. Tonnery Kapur for Unit Small Scale on a Large Scale
		Noticee - Mr. Shiv Kumar for Mr. Anil Sharma, Advocate
		Noticee - Mr. Gitanshu Rushtagi and Mr. Mishika Singh, Advocates for M/s. Yaov Sugar Mills, M/s. Neoli Sugar Mills, M/s. Obeetee Pvt. Ltd., and M/s. Lalji Board Industries
		Noticee – Mr. Pawan Upadhyay, Advocate – DCM for Shri Ram Industries
		Noticee - Mr. Bharat Sangal, Ms. Srijana Lama and Ms. I. Hsenla Aier, Advocates for NTPC
		Noticee - Mr. V.N. Kovra, Ms. Angeli Dayal for IOCL
		Noticee - Ms. Ranjana Roy, Mr. Abhishek Rao, Advocates for M/s. Bhushan Steel
		Noticee – Mr. Sudhir Kulshreshtha, Ms. Sushma Singh and Mr. Akhil Kulshreshtha, Advocates for Al-Faheem Meatex Pvt. Ltd.,
		Noticees – Mr. Ankur Khandelwal, Advocate for M/s. Khaitan & Co., M/s. Radico Khaitan and M/s. Ultratech Cements and M/s. United Spirits Limited.
		Noticees - Mr. Manoj Singh, Advocate for M/s. Tat Chemicals Ltd.,

	Date and Remarks	Orders of the Tribunal
	Item No. 11 September 15, 2014	Learned Counsel appearing for the Central Pollution Control Board submits that they would file the Report

during the course of the day in the Registry. Liberty is granted. Learned Local Commissioner submits that he would also file the Report during the course of the day. Liberty is granted.

We direct the Central Pollution Control Board as well as the Learned Local Commissioner to put the Report prepared by the Committee and as well as the Learned Local Commissioner on the website of the Central Pollution Control Board within three days from today. All the industries which are mentioned in the respective Report should accept Notice through the website and file their Replies/objections of the Report, if any, within ten days thereafter.

X

The matter in relation to pollution being caused by Distillery and Sugar Industry directly or indirectly to River Ganga shall be taken up on 29th October, 2014.

……………………………………,CP
(Swatanter Kumar)

……………………………………,JM
(M.S. Nambiar)

……………………………………,EM
(Dr. D.K. Agrawal)

……………………………………,EM
(Dr. R.C. Trivedi)

For n/a for 'X' above
16/9/2014

Pl.
RA(SL)

BEFORE THE NATIONAL GREEN TRIBUNAL
PRINCIPAL BENCH, NEW DELHI

M.A No. 879 of 2013 in Original Application No. 299 of 2013

Krishan Kant Singh & Anr. — Applicant

Vs

National Ganga River Basin Authority & Ors — Respondent

Compliance Statement on behalf of Central Pollution Control Board.

In compliance of the order passed by the Hon'ble Tribunal dated 05-08-2014 the status of Grossly Polluting Industries (GPI) operating in the state of Uttar Pradesh is enclosed.

INDEX

Submission:

i. All the grossly polluting industries listed in the **Annexure A** of the joint report (dated July 2nd, 2014) and submitted to Hon'ble Tribunal have been inspected except M/s Harduaganj Thermal Power Station, Kashimpur, Aligarh of M/s Uttar Pradesh Rajya Vidyut Utpadan Ltd. The unit is scheduled to be inspected during September 16-17, 2014.

ii. 25 units out of 63 distillery and fermenting units and 37 mills out of 125 sugar mills have been inspected and monitored at the time of submission of this compliance statement.

iii. No sugar mill was found in operation due to off season. Only 2 distillery units and 2 bottling plants were found in operation. The effluent and emission samples, as and where applicable, were collected and are subjected to analysis. The effluents analysis is complete and has been incorporated in the respective reports, whereas the emission sample analysis is in progress at the time of submission of this statement.

iv. The sugar mills are expected to restart production sometime between October-November, 2014 which will follow the distillery units to restart their operation in January,2015.The Hon'ble Tribunal may allow time for inspection until the sugar mills and distillery units come into operation in their full production capacity.

Suneel Dave
Sr. Environmental Engineer & Incharge NGRBA
Central Pollution Control Board
Parivesh Bhawan
East Arjun Nagar
Delhi -110032

DELHI
The September 10, 2014

Encl. As Above

Through Raj Kumar
Advocate
Chamber No. 774
Lawyers Chamber
Saket New Delhi

Joint Inspection of identified Seriously polluting Industries which have not installed Anti Pollution Devices, in Uttar Pradesh (UP)
In Compliance of

NGT Order dt. 05.08.2014,
Krishna Kant Singh & Anr. V/s National Ganga River Basin Authority & Ors.

A Report

01. Background

Taking note of the Report Dt. 02.07.2014 filed in the Registry of the Tribunal on 24.07.2014 wherein, 972 industries have been categorized under different heads, Hon'ble NGT vide its order dated 05.08.2014 in the matter of MA 879 of 2013 in OA 299 of 2013, Krishna Kant Singh & Anr. V/s National Ganga River Basin Authority & ors, directed *".....Central Pollution Control Board and Uttar Pradesh Pollution Control Board to conduct a joint inspection of all the industries which are shown in Annexure-A to this Report. These industries are categorized as seriously polluting industries which have not installed any anti-pollution devices."* Hon'ble NGT further directed that *"....The Committee shall confirm that the contents of Annexure-A of the Report are correct. In respect of the industries which were served with Show Cause Notice for closure it shall be reported as to what is the fate after the issuance of such notices and the present status of the industry whether they are operating or not ? "*

In compliance to the order, CPCB Zonal Office Lucknow carried out joint inspection of 17 (seventeen) industries, as per Annexure-A under reference. These industries are located in Kanpur, Farrukhabad, Meerut and Aligarh districts (UP)

The joint inspection was executed by a team comprising of following members:

a. Dr. R.K.Singh, Scientist 'D' CPCB ZO Lucknow
b. Sh T.U.Khan, Regional Officer, UPPCB
c. Sh J.P. Meena, Scientist 'B', CPCB ZO Lucknow
d. Sh Girish Arya, AEE, UPPCB
e. Sh Prakhar Katiyar, UPPCB

02. Scope of Investigation

In strict compliance of the Hon'ble NGT Order referenced above, the joint inspection was focused on following aspects :

a. Confirmation of the contents of Annexure-A
b. Status of corrective measures taken by the industries, served with show Cause Notice for Closure
c. Present Status of the industry whether they are operating or not.

The joint inspection was undertaken for the following 17 (seventeen) industries as identified Annexure-A:

1. M/s Popular Tannery, Dargah Road, Jajmau, Kanpur
2. " Kanpur Tannery, 9/6 Gajjupurwa, Jajmau, Kanpur
3. " A.S. Leather Finishers, 369 B, Sheetla Bazar, Jajmau, Kanpur
4. " Sumit Dyeing & Bleaching, 100 A (inadvertently mentioned as 101 A, Dadanagar, Kanpur
5. " Kanpur Texcel (P) Ltd., 12 B/3, Dadanagar, Kanpur
6. " Bhardwaj Textile,76 A, Dadanagar, Kanpur
7. " Slaughter House, Bakarganj, Babupurwa, Kanpur
8. " Slaughter House, Colonelgang, Kanpur
9. " Slaughter House, Bakarmandi, Kanpur
10. " Slaughter House, Fazalganj, Kanpur
11. " Kalpana Dyeing, Ambedkar Nagar, Narkasa, Farrukhabad
12. " Kushwaha Printers, Narkasa, Farrukhabad
13. " Sethu Sadh, Angoori Bagh, Farrukhabad
14. " Tandon Brothers, Angoori Bagh, Farrukhabad
15. " Slaughter House, Shamsabad, Farukhabad
16. " Pashuvadhshala, Nagar Nigam, Ghosipur, Meerut
17. " Harduaganj Thermal Power Station, Kasimpur(Unit-1), Aligarh

In order to execute surveillance and monitoring as per the order of Hon'ble NGT, joint inspection of all the above industries was undertaken during Aug 27-29, 2014.

Findings

A. Abridged status

a. Except for a few units observed with evidence of operation, most of the industries inspected were observed closed for a considerable period of time. The closure have either been a results of closure orders issued by UPPCB or due to Management Decision of the industries.

b. In many cases it was noted that the industry premises were either vacant or used for construction of permanent residential flats and commercial activities.

c. The Committee experienced difficulty in locating industries in Farrukhabad, as there were no signboards outside industry premises to ascertain industry name and other relevant detail.

d. The industries issued with Show Cause Notice or Closure orders were observed with no appreciable corrective measures initiated.

B. Specific issues

a. Out of all the fifteen industries inspected, there were three units classified as tanneries, seven textile dyeing / printing and/or bleaching units and five slaughter houses.

b. Out of the three units at Kanpur, identified as tanneries, premises of two units namely M/s Popular Tannery and M/s Kanpur Tannery, were observed with no industrial activity. Premises of M/s Popular Tannery was noted with an operational Weigh Bridge (*Dharam Kanta),* built-up houses and commercial activities. Premises of M/s Kanpur Tannery was partly a vacant land and partly occupied with residential flats. Premises of the third unit namely M/s A.S. Leather Finishers, was noted with ongoing stitching operations of shoe upper, a visibly dry operation. As such there was no infrastructure facility of leather processing.

c. There were three textile units inspected at Kanpur. During inspection, production in all the three units was found closed. Barring the exception of M/s Kanpur Texcel (P) Ltd., 12 B/3, Dadanagar, Kanpur, wherein, provision of effluent collection and treatment was observed in place, at the other two units namely M/s Sumit Dyeing & Bleaching, 100 A, Dadanagar, Kanpur and M/s .Bhardwaj Textile,76 A, Dadanagar, Kanpur, there was no proper provision of collection and treatment of industrial effluent. The ETP at these two latter units was poorly damaged and practically defunct. The Committee observed evidence of occasional operation of industry based on stored effluent in drains and in and around process areas within industry premises.

d. Out of four slaughter houses inspected in Kanpur and the one inspected at Farrukhabad, it was noted that UPPCB has issued closure orders (21.11.2013) under the Water Act 1974 to all the above slaughter houses. Subsequently, Nagar Panchayat Farrukhabad and Kanpur Nagar Nigam have submitted Compliance Report declaring closure of one slaughter house at Farrukhabad and all the four slaughter houses in Kanpur vide reports dt. 21.12.2013 and 24.12.2013 respectively. It was noted that there have been no provision of effluent treatment at all the above mentioned slaughter houses.

e. All the four identified Textile Printing units at Farrukhabad were observed closed.

f. Refer **Annexure- A.1 and A.2** for summarized status of industries.

03. Recommendations

A. Action to be taken by Industries

a. All the industries issued with Show Cause Notice / Closure orders shall ensure that their production is stopped till such time they establish organized system of effluent collection and treatment in compliance of the notified standards for treated effluent.

b. Before resuming operations all the industries shall apply for seeking consent and authorization (as the case may be) of UPPCB

c. M/s Kanpur Texcel (P) Ltd., 12 B/3, Dadanagar, Kanpur, the only unit granted consent by UPPCB amongst all the identified fifteen industries under reference, shall undertake regular operation of Effluent Treatment Plant (ETP). Additionally the industry shall ensure provision of Oil and Grease removal unit at source (within the process yard), Water meter at the borewell, Flow Meter at the outlet of ETP, sludge drying units (beds) and shall maintain Logbook for ETP operation. The industry is operational as a result of shifting of dyeing plant, earlier existed at its parent plant (self closed) at 19, Govt. Industrial Estate, Kalpi Road, Kanpur.

d. Textile units operational in Farrukhabad shall jointly come up with a proposal for establishment of a Common Effluent Treatment plant.

e. All the textile printing units in Farrukhabad shall display their name, address and relevant detail outside their premises.

f. All the industries (self) closed due to their Management Decision shall resume their operation only after seeking consent of UPPCB

B. Action to be taken by UPPCB

a. Undertake periodic surveillance of all the units served with Closure Orders to ensure their operation remain stopped.

b. Possibility shall be explored to establish a Common Effluent Treatment Plant for printing units at Farrukhabad.

C. Action to be taken by District Administration

Kanpur

a. Considering that the existing slaughter houses in Kanpur city are served with closure orders by UPPCB, the Municipal Corporation Kanpur shall strictly ensure that unauthorized slaughtering in all the four slaughter house premises is not undertaken.

b. The Corporation shall further come out with a comprehensive action plan to explore possibility to establish a modernized Slaughter House elsewhere, preferably in the city outskirts appropriately.

Farrukhabad

Farrukhabad Nagar Palika and District Administration shall take note of the Dyeing and Printing units served with closure orders by UPPCB under the Water Act 1974. In spite of the Closure orders currently enforced, there is a generation of polluted (colored) effluent by a phenomenal number of unauthorized printing units operational in non-attainment areas (houses). Indiscriminate discharge of polluted (colored) effluent through drains in the city especially in Angooribagh area was observed by the Committee. Farrukhabad District Administration and Nagar Palika shall ensure that such unauthorized units are not allowed to operate in strict accordance to Hon'ble Supreme Court, orders dt. 23.09.2013 under WP no. 4295 / 2011

Annexure A.1

Status of Seriously Polluting Industries which have not Installed Anti Pollution Devices (As on 31.08.2014)

S.No.	Name & Address of Industry (M/s)	Category	Date of last Inspection by UPPCB	Operational Status	ETP Status	Water Requirement (Kl/d)	Source of Water
1	Kalpana Dying, Ambedkar Nagar, Narksa, Farrukhabad	Dyeing & Printing	08.08.14	Not in Operation (Self Closed)	No ETP	06 KL/d as per industry claim. Could not be verified as industry not in operation	Ground Water
2	Sumit Dyeing & Bleaching, 100 A, Co Operative Industrial Estate, Dada Nagar, Kanpur.	Dyeing	08.08.14	Evidence of frequent operation noted during inspection. Unit was not operational during inspection.	ETP damaged and defunct	08 KL/d as per industry claim. Could not be verified as industry not in operation	Ground Water
3	Bhardwaj Textile, 76 A, Co Operative Industrial Estate, Dada Nagar, Kanpur.	Dyeing & Bleaching	08.08.14	Evidence of frequent operation noted during inspection. Unit was not operational during inspection.	ETP damaged and defunct	08 KL/d as per industry claim. Could not be verified as industry not in operation	Ground Water
4	Kanpur Texcel (P) Ltd., 12 B/3, Dada Nagar, Kanpur	Textile	25.08.14	Industry in operation. Not operational during inspection due to problem reported in boiler	ETP exists	Industry has no record for estimation	Ground Water
5	Kushwaha Printers Narkasa, Farrukhabad	Dyeing & Printing	08.08.14	Not in Operation (Self Closed)	No ETP	02 KL/d as per industry claim. Could not be verified as industry not in operation	Ground Water
6	Sethu Sadh Angoori Bag Farrukhabad	Dyeing & Printing	08.08.14	Not in Operation in compliance of Closure Orders (Feb . 2009) by UPPCB	No ETP	10 KL/d as per industry claim. Could not be verified as industry not in operation	Ground Water

7	Tandon Brothers, Anguribagh, Farrukhabad	Printing	08.08.14	Not in operation in compliance of Closure Orders (Dec. 2009) by UPPCB	No ETP	06 KL/d as per industry claim. Could not be verified as industry not in operation	Ground Water
8	Popular Tannery, 91/77 Idgah Rd, Jajmau, Kanpur	Tannery	09.08.14	No plant machinery exist in the premises.	-	-	-
9	Kanpur Tannery, 9/6, Gajju Purwa, Jajmau, Kanpur	Tannery	09.08.14	Premises used for residential/ commercial purpose, no industrial activity in practice	-	-	-
10	A.S. Leather Finishers, 369 B Sheetla Bazar, Jajmau, Kanpur	Tannery	09.08.14	No infrastructure for leather processing exists. Premises used for stitching of shoe upper (Dry Operation)	-	-	-
11	M/s. Harduganj Thermal Power Station, (Unit-I) Kasimpur Aligarh.	Thermal Power	Information to be furnished by CPCB HO Team *				
12	Slaughter House, Bakarganj, (Nagar Nigam Kanpur), Kanpur	Slaughter House	11.08.14	Not in operation, as per report submitted by Kanpur Nagar Nigam (24.12.2013). Premises observed barren	No ETP	-	
13	Slaughter House, Colonel ganj, (Nagar Nigam Kanpur), Kanpur	Slaughter House	11.08.14	Not in operation, as per report submitted by Kanpur Nagar Nigam (24.12.2013).	No ETP	30 KL/d as per industry claim. Could not be verified as industry not in operation	Ground Water

* To be inspected during 16-17 September, 2014

14	Slaughter House, Bakermandi, (Nagar Nigam Kanpur), Kanpur	Slaughter House	11.08.14	Not in operation, as per report submitted by Kanpur Nagar Nigam (24.12.2013)	No ETP	-	Ground Water
15	Slaughter House, Fazalganj, (Nagar Nigam Kanpur), Kanpur	Slaughter House	11.08.14	Not in Operation. As per report submitted by Kanpur Nagar Nigam (24.12.2013) slaughtering is stopped.	No ETP	7.5 KL/d as per industry claim. Could not be verified as industry not in operation	Ground Water
16	Slaughter House, Samsabad, (Nagar Panchayat), Farrukhabad	Slaughter House	08.08.14	Not in Operation, as per report submitted by Nagar Panchayat (21.12.2013)..	No ETP	-	Ground Water
17	Pashuvadhshala Nagar Nigam, Ghosipur, Meerut	Slaughter House	Information to be furnished by CPCB HO Team (Inspection report enclosed)				

Annexure A.2

Status of Seriously Polluting Industries which have not Installed Anti Pollution Devices (As on 31.08.2014)

S.No.	Name & Address of Industry (M/s)	Prescribed Norms	Status of By-Pass System	Status of Interlocking System	CPCB/SPCB Directions	Compliance Status of CPCB /SPCB Directions	Remarks / Action Taken if Any
1	Kalpana Dying, Ambedkar Nagar, Narksa, Farrukhabad	As per E(P)A Notification	Not in Operation (Self Closed)	-	No	-	-
2	Sumit Dyeing & Bleaching, 100 A, Co Operative Industrial Estate, Dada Nagar, Kanpur.	As per E(P)A Notification	Untreated effluent discharge possible as no proper provision of effluent treatment exists	No such system in place	Show Cause Notice Issued under Water Act, 1974, on Dt. 26-06-14	Not Complying	Closure orders by UPPCB in process
3	Bhardwaj Textile, 76 A, Co Operative Industrial Estate, Dada Nagar, Kanpur.	As per E(P)A Notification	Untreated effluent discharge possible as no proper provision of effluent treatment exists	No such system in place	Show Cause Notice Issued under Water Act, 1974, on Dt. 26-06-14	Not Complying	Closure orders by UPPCB in process
4	Kanpur Texcel (P) Ltd., 12 B/3, Dada Nagar, Kanpur	As per E(P)A Notification	Organized system of Effluent collection and treatment provided	No such system in place	No	Complies, Consent granted by UPPCB valid upto 31.12.2015	The industry is operational as a result of shifting dyeing plant earlier existed at its parent plant(self closed) at 19,Govt. Industrial Area, Kalpi Rd., Kanpur
5	Kushwaha Printers Narkasa, Farrukhabad	As per E(P)A Notification	Industry not in operation (Self Closed)	No such system in place	No	-	Industry not in operation (Self Closed)

6	Sethu Sadh, Angoori Bag Farrukhabad	As per E(P)A Notification	Industry not in operation	No such system in place	Closure Order Issued by UPPCB u/s 33A of Water Act, 1974 on Dated 05.02.09	Closed	Industry not in operation
7	Tandon Brothers, Anguribagh, Farrukhabad	As per E(P)A Notification	Industry not in operation	No such system in place	Closure Order Issued by UPPCB u/s 33A of Water Act, 1974 on Dated 12.12.09	Closed	Industry not in operation
8	Popular Tannery , 91/77 Idgah Rd, Jajmau, Kanpur	As per E(P)A Notification	Premises used for residential/ commercial purpose, no industrial activity in practice	No such system in place	-	No industrial activity in the premises	-
9	Kanpur Tannery, 9/6, Gajju Purwa, Jajmau, Kanpur	As per E(P)A Notification	Premises used for residential/ commercial purpose, no industrial activity in practice	No such system in place	Closure Order Issued by UPPCB u/s 33A of Water Act, 1974 on Dated 22.06.06	No industrial activity in the premises	-
10	A.S. Leather Finishers, 369 B Sheetla Bazar, Jajmau, Kanpur	As per E(P)A Notification	Premises used for stitching of shoe upper. Process does not involve use of water	No such system in place	Closure order issued by UPPCB under Water Act, 1974 on Dated 22.06.06	Tanning process closed	No infrastructure for leather processing exists. Premises used for stitching of shoe upper (Dry process)
11	M/s. Harduganj Thermal Power Station, (Unit-I) Kasimpur Aligarh.	As per E(P)A Notification	Information to be furnished by CPCB HO Team				
12	Slaughter House, Bakarganj, (Nagar Nigam Kanpur), Kanpur	As per E(P)A Notification	Not in operation, as per report submitted by Kanpur Nagar Nigam (24.12.2013) Premises observed barren	No such system in place	Closure order issued u/s 33A of Water Act, 1974 on Dated 21.11.13	Closed	-

13	Slaughter House, Colonelganj, (Nagar Nigam Kanpur), Kanpur	As per E(P)A Notification	Untreated effluent discharge possible as no provision of effluent treatment exists	No such system in place	Closure order issued u/s 33A of Water Act, 1974 on Dated 21.11.13	Closed	-
14	Slaughter House, Bakermandi, (Nagar Nigam Kanpur), Kanpur	As per E(P)A Notification	Untreated effluent discharge possible as no provision of effluent treatment exists	No such system in place	Closure order issued u/s 33A of Water Act, 1974 on Dated 21.11.13	Closed	-
15	Slaughter House, Fazalganj, (Nagar Nigam Kanpur), Kanpur	As per E(P)A Notification	Untreated effluent discharge possible as no provision of effluent treatment exists	No such system in place	Closure order issued u/s 33A of Water Act, 1974 on Dated 21.11.13	Closed	-
16	Slaughter House, Samsabad, (Nagar Panchayat), Farrukhabad	As per E(P)A Notification	Untreated effluent discharge possible as no provision of effluent treatment exists	No such system in place	Closure order issued u/s 33A of Water Act, 1974 on Dated 21.11.13	Closed	-
17	Pashuvadhshala Nagar Nigam, Ghosipur, Meerut	As per E(P)A Notification	Information to be furnished by CPCB HO Team				

CENTRAL POLLUTION CONTROL BOARD
(Co-ordination Cell)

Date :05-09-2014

Sub: Joint inspection of Sugar and Distilleries operating and discharging the effluent in river Ganga and Yamuna-reg

As per Office order No B-190153/NGRBA/CPCB/2013-14/2035 Dated 25-08-2014 and subsequent meeting with Member Secretary, undersigned was deputed to carry out the inspection of the sugar and distillery industries in the region of Bijnor (UP) jointly with concerned regional officer of UPPCB.

Following industries were inspected during 1-2September, 2014 jointly with representative of UPPCB.

SN	Name of Industry	Type
1	Bajaj Hindustan Ltd., Bilai, Bijnor (UP)	Sugar
2	Dhampur Sugar Industries Ltd. Dhampur, Dist-Bijnor (UP)	Sugar
3	Dwarikesh Sugar Industries Ltd., Sugar Unit, Dwarikesh Nagar, PO Bundki, Bijnor (UP)	Sugar
4	Kisan Sehkari Chini Mills Ltd. Sneh Road, Nazibabad, Dist-Bijnor (UP)	Sugar
5	PBS Foods (sugar) Pvt. Ltd, Sugar Unit, Chandpur, Bijnor (UP)	Sugar
6	Upper Ganges Sugar & Industries Ltd. Sugar Unit, Seohara, Dist-Bijnor (UP)	Sugar
7	Uttam Sugar Mills Pvt. Ltd., Sugar Unit, Barkatpur, Bijnor (UP)	Sugar
8	Wave Industries Pvt. Ltd., Sugar Unit, Bijnor (UP)	Sugar
9	Dhampur Sugar Industries Ltd. Dhampur, Dist- Bijnor (UP)	Distillery
10	M/s Dwarikesh Sugar Industries Ltd. Distillery Division, Dwarikesh Nagar, Bundki, Dist-Bijnor	Distillery
11	Jain Distillery Pvt. Ltd., 8th Km stone, Nagina road, Village Khadanpur, Bijnor	Distillery
12	Mohit Petro Chemicals Pvt. Ltd. 8th Km stone, Nagina road, Bijnor	Distillery
13	Upper Ganges Sugar & Industries Ltd. Distillery Unit, Seohara, Dist-Bijnor	Distillery
14	Uttam Sugar Mills Ltd., Distillery Division, Barkatpur Dist-Bijnor (UP)	Distillery

During inspection all the above industries were found closed. The inspection reports of individual industries are placed below for further necessary action please.

5/9/14

(Vijay Prakash Yadav)
Scientist 'D'

I/c NGRBA

CENTRAL POLLUTION CONTROL BOARD

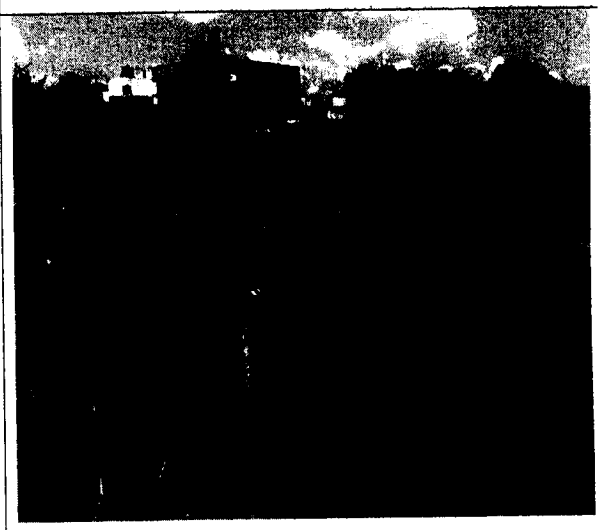
NGRBA Cell

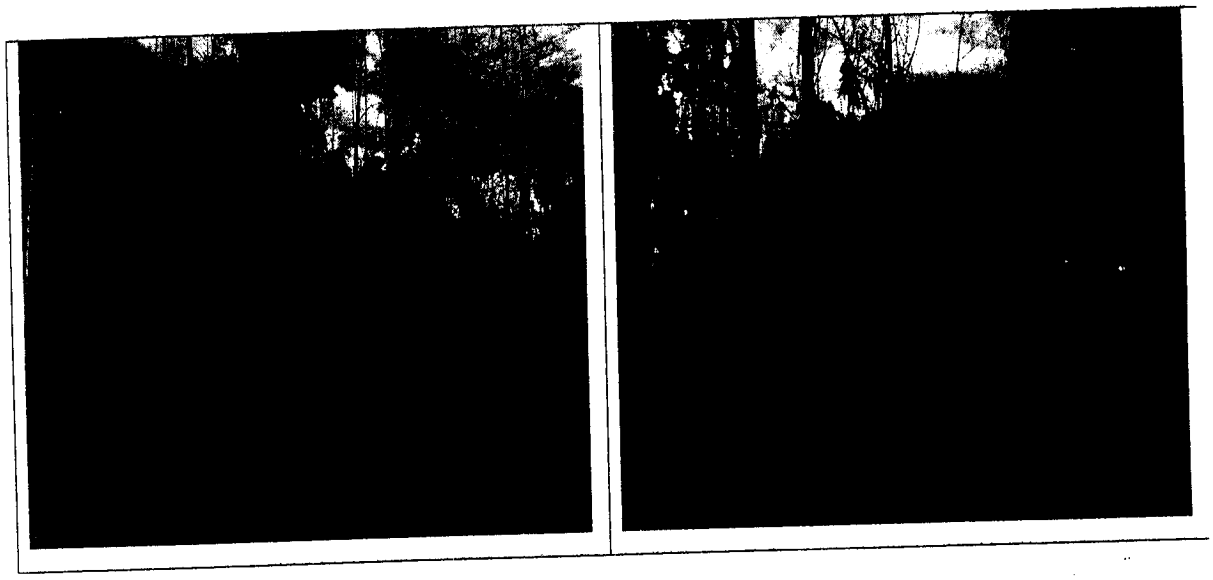
Joint inspection Report: Sugar

A: General Information		
1.	Name of the unit and address	Wave Industries Pvt. Ltd. Sugar Unit, Bijnor (UP)
2.	Name of the Proprietor/ Contact person – Designation Contact No.	Uttam Kumar Singh, Sr. Manager
3.	Year of Commissioning.	1930
4.	Sector	Private
5.	Production details. • Products	Sugar
6.	Cane crushing capacity	3500 TCD
7.	Cane crushed last year	28,58,000 Qts
8.	Operational Status	It is seasonal industry and presently Industry is not in operation due to off season.
B: Water Pollution and its Control:		
1.	Water Supply Source(s)	GW through tube well
2.	Water Meter to show consumption	Installed
3.	Flow measuring device installed at outlet of ETP	No arrangement
4.	Waste Water generation	No effluent was found generated due to non-operation of unit.
5.	Waste Water treatment capacity (KLD)	1000 KLD
6.	Details of ETP ➢ ETP Description with flow diagram	Industry has installed the ETP which is comprising of Oil & grease Trap, Equalization Tank, Chemical dosing, Aeration Tank, followed by Secondary clarifier
7.	Waste water discharged (after treatment)(KLD)	No effluent discharge was found during inspection

8.	Mode of disposal of treated effluent (Details)	On own land adjacent to ETP having eucalyptus plantation.
C: Air Pollution and its Control		
1.	Sources of Air Pollution	Boiler 2 Nos. 35 TPH each
2.	➢ Type of Fuel used with consumption	Bagasse
3.	➢ Stack details	stack of 40 m Height
4.	➢ APCS details	Wet scrubber
5.	Samples collections points (if collected)	Sample could not be collected due to non-operation of unit.

Photographs indicating locations:





Remarks

- Due to off season the industry was not in operation and no effluent was observed to be generated from the factory premises.
- The ETP was found in ruined condition and all around the ETP water logging was observed. The ETP is also not easily accessible. ETP requires complete renovation and modification before start of cane crushing.
- Since the industry has no proper discharge outlet so it is require for the industry to utilize its 100% effluent after proper treatment and no way can it be allowed to discharge on land in unscientific manner.
- Adequacy of the pollution control system may be assessed once the industry resumes its operation.

Date of Inspection: 01-09-2014

Name of officials inspecting : (Name & Designations)

Sh. V. P. Yadav, Sc. 'D', CPCB
Sh. Shashi Vindkar, AEE, UPPCB
Ms. Garima Dublish, RA, CPCB

CENTRAL POLLUTION CONTROL BOARD

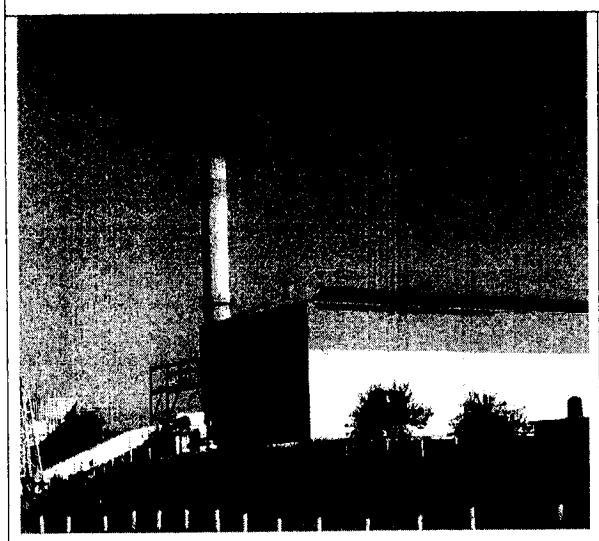
NGRBA Cell

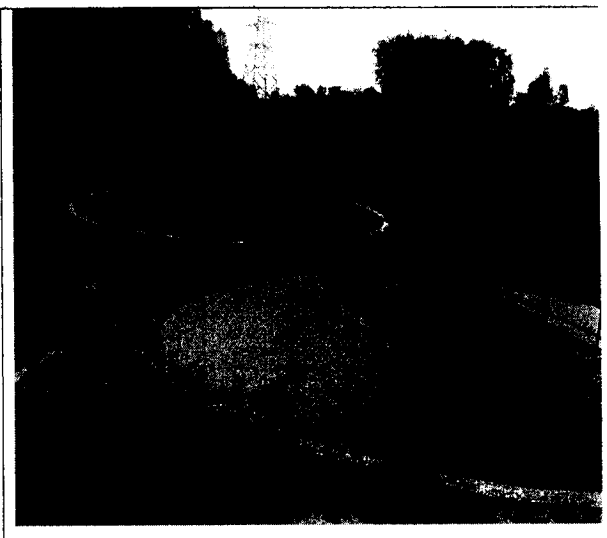
Joint inspection Report: Sugar

A: General Information		
1.	Name of the unit and address	Uttam Sugar Mills Pvt. Ltd. Sugar Unit, Barkatpur, Bijnor (UP)
2.	Name of the Proprietor/ Contact person – Designation	Sh Shailendra Singh HOD, Production
3.	Sector	Private
4.	Production details. • Products	Sugar
5.	Cane crushing capacity	7000 TCD
6.	Cane crushed last year	79,50,000 Qts
7.	Operational Status	It is seasonal industry and presently Industry is not in operation due to off season.
B: Water Pollution and its Control:		
1.	Water Supply Source(s)	Ground Water through 2 tube well
2.	Water Meter to show consumption	Installed
3.	Flow measuring device installed at outlet of ETP	Not installed
4.	Waste Water generation	No effluent was generated due to non-operation of unit.
5.	Waste Water treatment capacity (KLD)	750kld
6.	Details of ETP ➢ ETP Description with flow diagram	Industry has installed ETP which comprises of Oil trap, Equalization Tank, Primary Clarifier, Aeration Tank, Secondary Clarifier, Sludge drying Beds and Lagoon
7.	Waste water discharged (after treatment)(KLD)	No effluent discharge was observed during inspection
8.	Mode of disposal of treated effluent (Details)	As per information provided by the industry most of the treated effluent is reused in the process and balance is used

		for irrigation on their 58 Acre land.
C: Air Pollution and its Control		
1.	Sources of Air Pollution	Boiler 2 Nos. 70 TPH each
2.	➢ Type of Fuel used with consumption	Bagasse
3.	➢ Stack details	One stack of 60 m Height
4.	➢ APCS details	Wet scrubber
5.	Samples collections points (if collected)	Sample could not be collected due to non-operation of unit.

Photographs indicating locations:





Remarks

- Due to off season the industry was not found in operation. Also no effleunts was observed to be discharged from factory premises.
- For the treatment of effluent generated from industrial process, industry has installed an ETP. The ETP consists of Equalization Tank, Primary Clarifier, Aeration Tank, Secondary Clarifier, Sludge drying Bed and Lagoon.
- As per information provided by the industry representative, the treated effluent is collected in a lagoon and used for ferti-irrigation on own land and no effluent is discharged to any drain /river.
- Adequacy of the pollution control system may be assessed once the industry resumes its operation.

Date of report inspection	01/09/2014
Name of officials inspecting (Name & Designations)	Sh. V. P. Yadav, Sc. 'D', CPCB
	Sh. Shashi Vindkar, AEE, UPPCB
	Ms. GArima Dublish, RA, CPCB

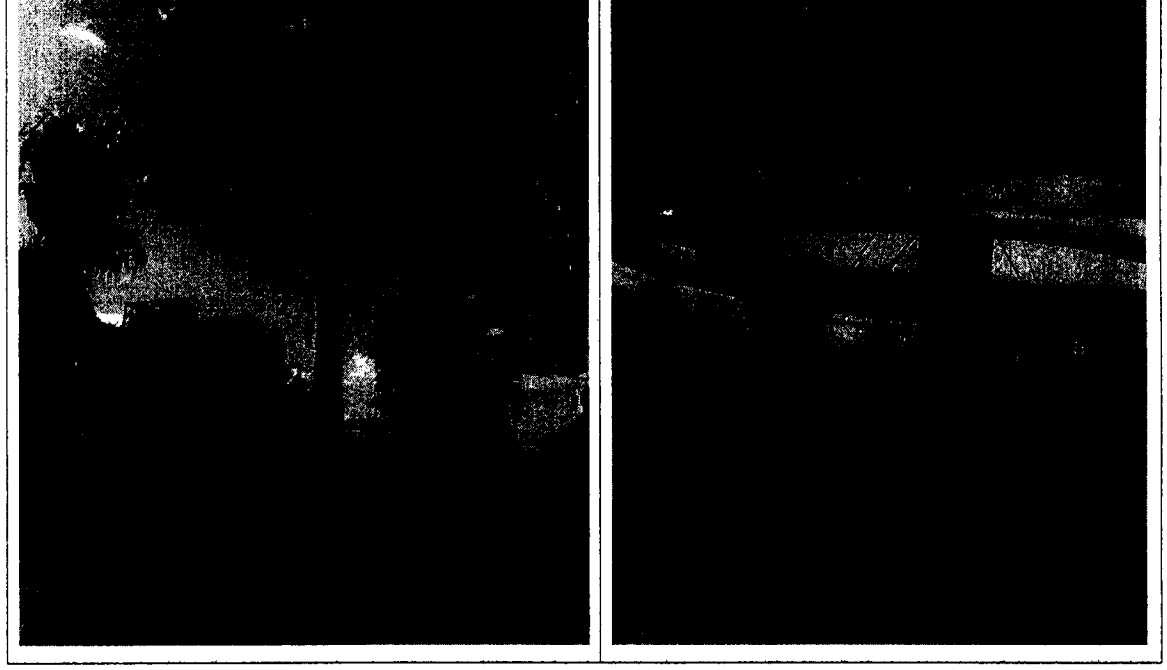
CENTRAL POLLUTION CONTROL BOARD

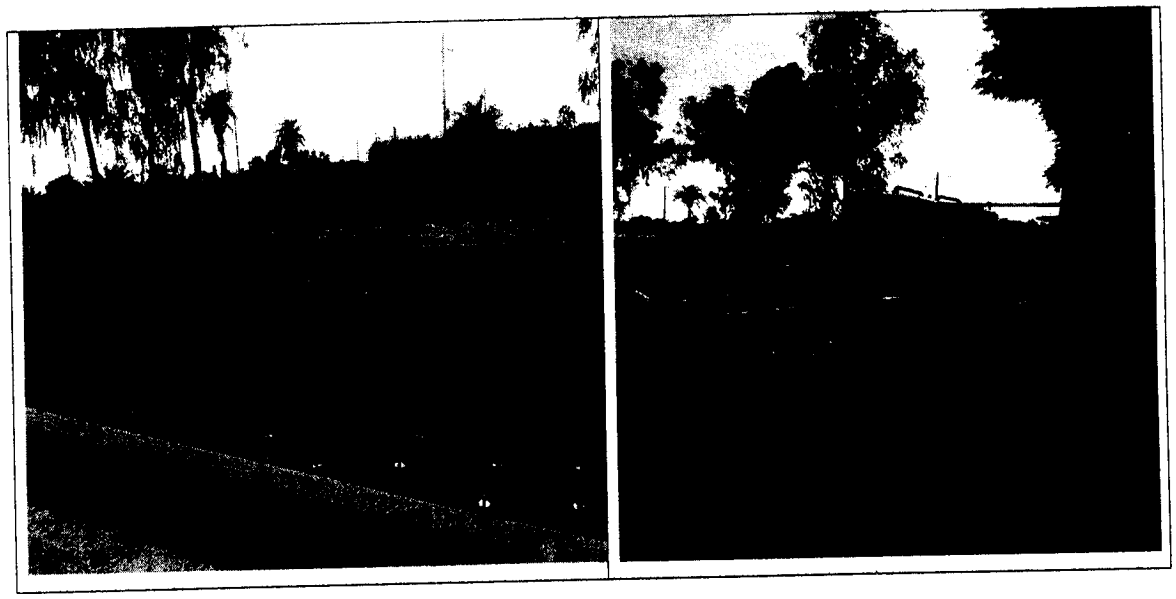
NGRBA Cell

Joint inspection Report: Sugar

A: General Information		
1.	Name of the unit and address	Upper Ganges Sugar & Industries Ltd. Sugar Unit, Seohara, Dist-Bijnor (UP)
2.	Name of the Proprietor/ Contact person – Designation	Sukhveer Singh, Executive President
3.	Year of Commissioning.	1959
4.	Sector	Private
5.	Production details. • Products	Sugar(Double sulphitation process)
6.	Cane crushing capacity	10,000 TCD
7.	Cane crushed last year	6,21,238 Qts
B: Water Pollution and its Control:		
1.	Water Supply Source(s)	Ground Water through tube well
2.	Water Meter to show consumption	Installed
3.	Flow measuring device installed at outlet of ETP	V-notch available
4.	Waste Water generation	No effluent was generated due to non-operation of unit.
5.	Waste Water treatment capacity (KLD)	2000 KLD
6.	Details of ETP ➢ ETP Description with flow diagram	Industry has installed a full-fledged Effluent Treatment Plant which comprises of Oil Skimmer, Equalization/Effluent storage Tank, Primary clarifier 2 Nos, Diffuse aeration tank, Aeration Tank, Secondary Clarifier, Treated water receiving Tank, Activated carbon filter and sand filter, Sludge drying beds,

7.	Waste water discharged (after treatment)(KLD)	No effluent generation was observed during inspection
8.	Mode of disposal of treated effluent (Details)	On own land, 78 Acre, and recycling 60% recycle and 40% for irrigation as reported by industry If at all any discharge comes from industry it will go to Nasiya drain which flows to 19 Km before meeting to River Ramganga.
C: Air Pollution and its Control		
1.	Sources of Air Pollution	Boilers
2.	➢ Type of Fuel used with consumption	Fuel: Bagasse
3.	➢ Stack details	Three stack of 74 m and 2 nos of 40 m Height
4.	➢ APCS details	Wet scrubber on two stacks and one ESP
5.	Samples collections points (if collected)	Sample could not be collected due to non-operation of unit.
Photographs indicating locations:		





Remarks

- Due to off season the industry was not in operation and also no industrial effluent was observed to be generated from the industry premises.
- As it is a time for maintenance work of sugar industries to be ready for next crushing season, the maintenance is going on.
- Industry has installed full-fledged ETP based on primary, secondary and tertiary treatment process. ETP comprises of Oil Skimmer, Equalization/Effluent storage Tank, Primary clarifier 2 Nos, Diffuse aeration Tank, Aeration Tank, Secondary Clarifier, Treated water receiving Tank, Activated carbon filter and sand filter, Sludge drying bed.
- No effluent was found generated from the industry premises and ETP units were observed empty except some rainy water.
- As per information provided by industry representative, most of the effluent generated from the industry is reused in the process and balance is used for irrigation on own land of 78 acre. If at all any discharge comes from industry it will go to Nasiya drain which flows to 19 Km before meeting to River Ramganga.
- Adequacy of the pollution control system and its water and effluent management may be assessed once the industry resume its in operation.

Date of report inspection	02/09/2014 ..
Name of officials inspecting (Name & Designations)	Sh. V. P. Yadav, Sc. 'D', CPCB
	Sh. Shashi Vindkar, AEE, UPPCB
	Ms. Garima Dublish, RA, CPCB

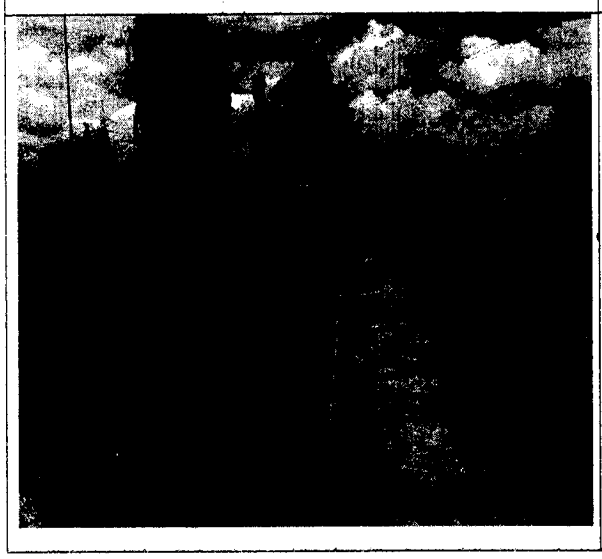
CENTRAL POLLUTION CONTROL BOARD
NGRBA Cell

Joint inspection Report: Sugar

A: General Information		
1.	Name of the unit and address	Dhampur Sugar Industries Ltd. Dhampur, Dist-Bijnor (UP)
2.	Name of the Proprietor/ Contact person – Designation Contact No.	Sh Vijay Mishra, Manager, Co-ordination
3.	Year of Commissioning.	1933
4.	Sector	Private
5.	Product	Sugar
6.	Cane crushing capacity	14,000 TCD
7.	Operational status	Not in operation due to off season
B: Water Pollution and its Control:		
1.	Water Supply Source(s)	Ground Water through 4 tube well
2.	Water Meter to show consumption	Installed
3.	Flow measuring device installed at outlet of ETP	Not installed
4.	Waste Water generation	No effluent was generated due to non-operation of unit.
5.	Waste Water treatment capacity (KLD)	4500 KLD
6.	Details of ETP ➢ ETP Description with flow diagram	Oil & grease Trap, Screen, Equalization Tank, Primary Clarifier, Aeration Tank, Secondary Clarifier, Sludge drying beds
7.	Waste water discharged (after treatment)(KLD)	No effluent generation was found during inspection
8.	Mode of disposal of treated effluent (Details)	Any discharge comes from industry will go to Ikra Nala which joins Karula river, river Karula meets to river Gagan which is a tributary of river Ramganga

C: Air Pollution and its Control		
1.	Sources of Air Pollution	Boiler 2 Nos. 170 TPH each
2.	➢ Type of Fuel used with consumption	Bagasse Coal
3.	➢ Stack details	One stack of 60 m Height
4.	➢ APCS details	ESP
5.	Samples collections points (if collected)	Sample could not be collected due to non-operation of unit.

Photographs indicating locations:



Remarks

- Due to off season the industry was not operation and due to agitation of farmers maintenance work has also been stopped.
- No effluent was found generated from the industry premises and ETP units were observed empty except some rainy water.
- Industry has installed an ETP for the treatment of effluent generated during operation. ETP consists of Oil & grease Trap, Screen, Equalization Tank, Primary Clarifier, Aeration Tank, Secondary Clarifier, Sludge drying bed.
- Adequacy of the pollution control system may be assessed once the industry resumes its operation.

Date of report inspection	**02/09/2014**
Name of officials inspecting **(Name & Designations)**	Sh. V. P. Yadav, Sc. 'D', CPCB
	Sh. Shashi Vindkar, AEE, UPPCB
	Ms. Garima Dublish, RA, CPCB

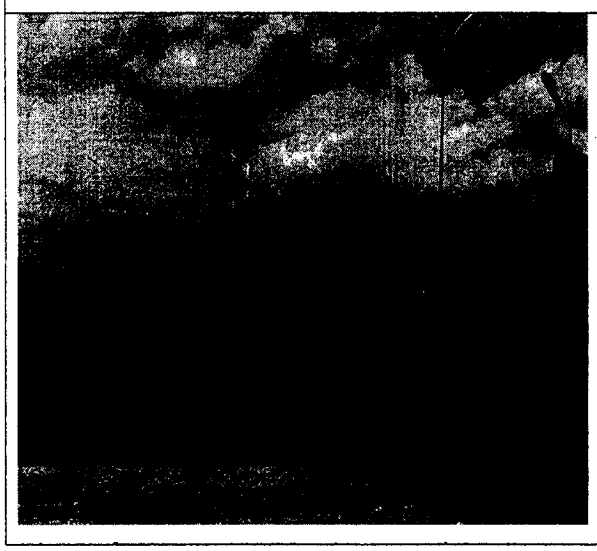
CENTRAL POLLUTION CONTROL BOARD
NGRBA Cell

Joint inspection Report: Sugar

A: General Information		
1.	Name of the unit and address	Dwarikesh Sugar Industries Ltd. Sugar Unit, Dwarikesh Nagar PO Bundki, Bijnor (UP)
2.	Name of the Proprietor/ Contact person – Designation Contact No.	Salil S. Arya, CGM
3.	Year of Commissioning.	1995
4.	Sector	Private
5.	Production details. • Products	Sugar
6.	Cane crushing capacity	7500 TCD
7.	Cane crushed last year	7263772 Qts
8.	Operational status of industry	Due to off season industry is not in operation.
B: Water Pollution and its Control:		
1.	Water Supply Source(s)	Ground Water through tube well
2.	Water Meter to show consumption	Installed
3.	Flow measuring device installed at outlet of ETP	V-notch
4.	Waste Water generation	No effluent was generated due to non-operation of unit.
5.	Waste Water treatment capacity (KLD)	750 KLD
6.	Details of ETP ➢ ETP Description with flow diagram	ETP comprises of Oil & grease Trap, Equalization Tank, Primary clarifier, Aeration Tank 2 nos., Secondary clarifier followed by Settling tank.
7.	Waste water discharged (after treatment)(KLD)	No effluent generation was found during inspection
8.	Mode of disposal of treated effluent (Details)	Effluent is discharged to road side drain which meets with river Gagan , a

		tributary of River Ramganga.
C: Air Pollution and its Control		
1.	Sources of Air Pollution	Boiler 2 no, 60 TPH each
2.	➢ Type of Fuel used with consumption	Bagasse
3.	➢ Stack details	stack of 60 m
4.	➢ APCS details	Wet scrubbers
5.	Samples collections points (if collected)	Sample could not be collected due to non-operation of unit.

Photographs depicting status of industry:



Remarks

- Due to off season the industry was not in operation and also no industrial effluent was observed to be generated from the industry premises.
- Industry has installed ETP based on primary, secondary treatment process. ETP comprises of Oil Skimmer, Equalization/Effluent storage Tank, Primary clarifier, Aeration Tank, Secondary Clarifier, Treated water receiving tank and Sludge drying bed.
- No effluent was found generated from the industry premises and ETP units were observed empty except some rainy water.
- As per information provided by industry representative, most of the effluent generated from the industry is reused in the process and balance is used for green belt development inside the factory premises. Any discharge if comes out from the industry, it will go to road side drain which meets with river Gagan which flows to 70 Km before meeting to River Ramganga.
- Adequacy of the pollution control system and its water and effluent management may be assessed once the industry resumes its operation.

Date of report inspection	02/09/2014
Name of officials inspecting **(Name & Designations)**	Sh. V. P. Yadav, Sc. 'D', CPCB
	Sh. Shashi Vindkar, AEE, UPPCB
	Ms. Garima Dublish, RA, CPCB

CENTRAL POLLUTION CONTROL BOARD

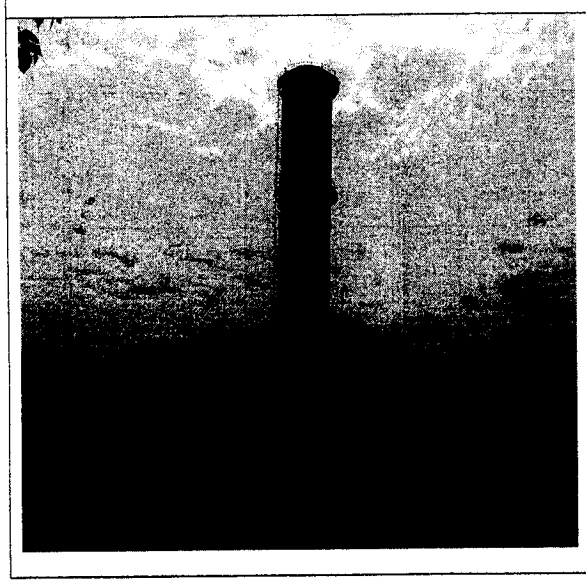
NGRBA Cell

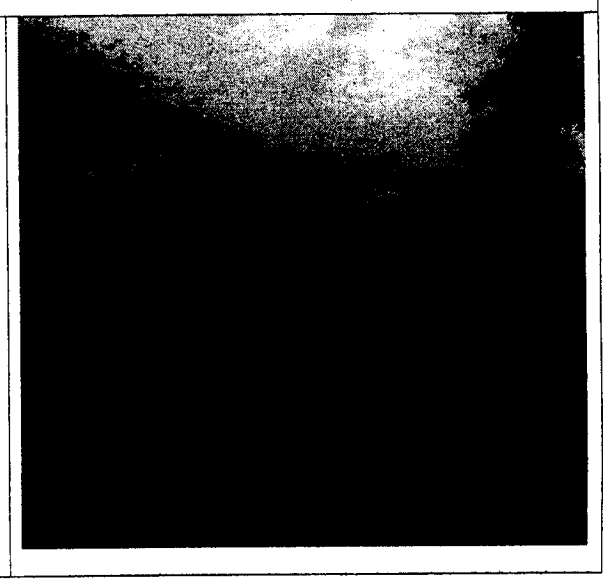
Joint inspection Report: Sugar

A: General Information		
1.	Name of the unit and address	Bajaj Hindustan Ltd. Bilai, Bijnor (UP)
2.	Name of the Proprietor/ Contact person – Designation Contact No.	Amod Bishnoi, Sr. DGM
3.	Year of Commissioning.	2005
4.	Sector	Private
5.	Production details. • Products	Sugar
6.	Cane crushing capacity	9000 TCD
7.	Cane crushed last year	8538847.9 Qts
8.	Operational status	It is seasonal industry and presently industry is not in operation due to off season.
B: Water Pollution and its Control:		
1.	Water Supply Source(s)	Ground Water through 3 tube wells
2.	Water Meter to show consumption	Installed
3.	Flow measuring device installed at outlet of ETP	V-notch (dismantled)
4.	Waste Water generation	No effluent was observed to be generated from the industry.
5.	Waste Water treatment capacity (KLD)	1000 KLD
6.	Details of ETP ➢ ETP Description with flow diagram	Industry has installed Effluent Treatment Plant comprising of Oil & grease Trap, Equalization Tank (chemical mixing Tank), Primary Clarifier, Aeration Tank, Secondary Clarifier and Sludge drying beds
7.	Mode of disposal of treated effluent (Details)	Road side drains which after 5 Km joins Ban River. Ban river meets to river Gagan, a tributary of river Ramganga

C: Air Pollution and its Control		
1.	Sources of Air Pollution	Boiler 2 Nos,90 TPH each
2.	Type of Fuel used with consumption	Bagasse
3.	Stack details	One stack of 30 m Height
4.	APCS details	Wet scrubbers
5.	Samples collections points (if collected)	Sample could not be collected due to non-operation of unit.

Photograph depicting status of industry:





Remarks

- Due to off season the industry was not in operation and no worker was inside the premises and industry was found locked out due to agitation of local farmers (cane growers).
- Although it is a time for maintenance work of sugar industries to be ready for next crushing season but due to agitation no maintenance work was observed.
- Industry has installed Effluent Treatment Plant for the treatment of its effluent. ETP comprises of Oil & grease Trap, Equalization Tank, Primary Clarifier, Aeration Tank & Secondary Clarifier. In addition to this industry has constructed a storage lagoon.
- Due to rainy season the wild grass was observed around the ETP area giving it the deserted look.
- No effluent was found being generated in the industry premises and ETP units were observed empty except some rainy water.
- Adequacy of the pollution control system may be assessed once the industry resumes its operation.

Date of Inspection: 01-09-2014

Name of officials inspecting : Sh. V. P. Yadav, Sc. 'D', CPCB
(Name & Designations) Sh. Shashi Vindkar, AEE, UPPCB
Ms. Garima Dublish, RA, CPCB

CENTRAL POLLUTION CONTROL BOARD

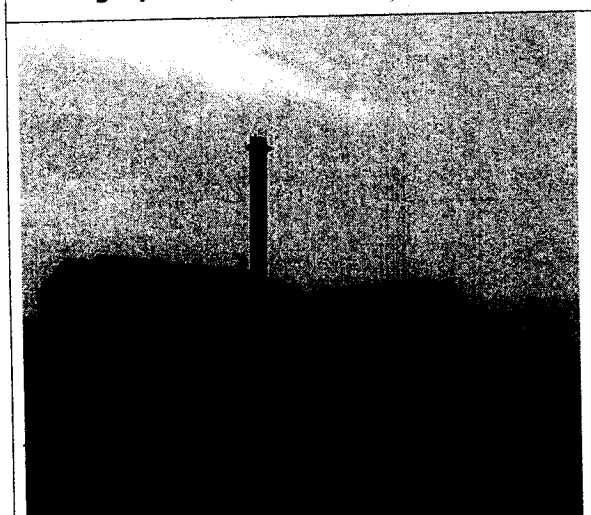
NGRBA Cell

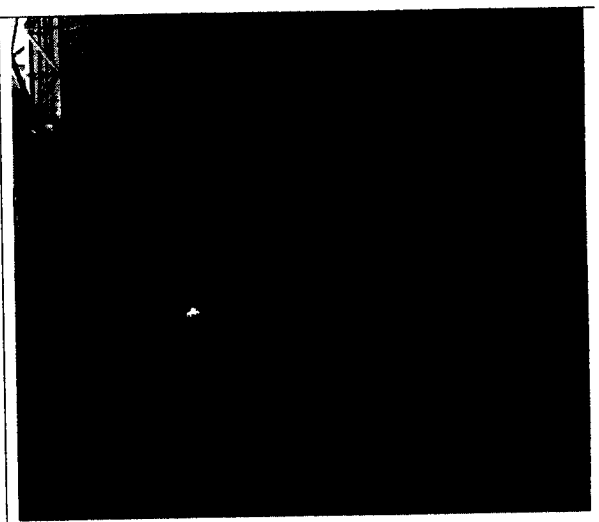
Joint inspection Report: Sugar

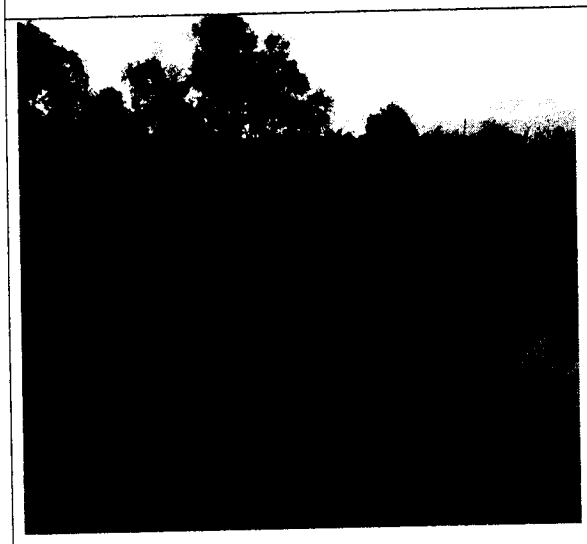
A: General Information		
1.	Name of the unit and address	Kisan Sehkari Chini Mills Ltd. Sneh Road, Nazibabad Dist-Bijnor (UP)
2.	Name of the Proprietor/ Contact person – Designation Contact No.	P.K. Shrivastav, Chief Chemist
3.	Year of Commissioning.	1989
4.	Sector	Co-operative
5.	Production details. • Products	Sugar
6.	Cane crushing capacity	3000 TCD
7.	Cane crushed last year	45,00,000 Qts
8.	Operational status	It is seasonal industry and presently Industry is not in operation due to off season.
B: Water Pollution and its Control:		
1.	Water Supply Source(s)	Ground Water through tube well
2.	Water Meter to show consumption	Installed
3.	Flow measuring device installed at outlet of ETP	No arrangement
4.	Waste Water generation	No effluent was generated due to non-operation of unit.
5.	Waste Water treatment capacity (KLD)	1200 KLD
6.	Details of ETP ➢ ETP Description with flow diagram	Industry has installed ETP which comprises of Oil and grease trap, Equalization Tank, Primary Clarifier, Aeration Tank, Secondary Clarifier, Sludge drying Beds
7.	Waste water discharged (after treatment)(KLD)	No effluent discharge was observed during inspection

8.	Mode of disposal of treated effluent (Details)	It was informed that balance treated effluent of industry is used for irrigation on own nearby cane fields (about 75 Acre area)
C: Air Pollution and its Control		
1.	Sources of Air Pollution	Boiler 2 Nos. 32 TPH each
2.	➢ Type of Fuel used with consumption	Bagasse
3.	➢ Stack details	One stack of 30 m Height
4.	➢ APCS details	Wet scrubber
5.	Samples collections points (if collected)	Sample could not be collected due to non-operation of unit.

Photographs depicting status of industry:







Remarks

- Due to off season the industry was not found in operation. Also no effleunts was observed to be discharged from factory premises.
- For the treatment of effluent generated from industrial process, industry has installed an ETP. The ETP consists of Equalization Tank, Primary Clarifier, Aeration Tank, Secondary Clarifier, Sludge drying Beds.
- Thick wild grass was observed all around ETP and units of ETP were not easily accessible.
- As per information provided by the industry representative, the excess treated effluent is used for irrigation on own land and no effluent is discharged to any drain /river.
- Adequacy of the pollution control system may be assessed once the industry resumes its operation.

Date of report inspection	**02/09/2014**
Name of officials inspecting **(Name & Designations)**	Sh. V. P. Yadav, Sc. 'D', CPCB
	Sh. Shashi Vindkar, AEE, UPPCB
	Ms. Garima Dublish, RA, CPCB

CENTRAL POLLUTION CONTROL BOARD

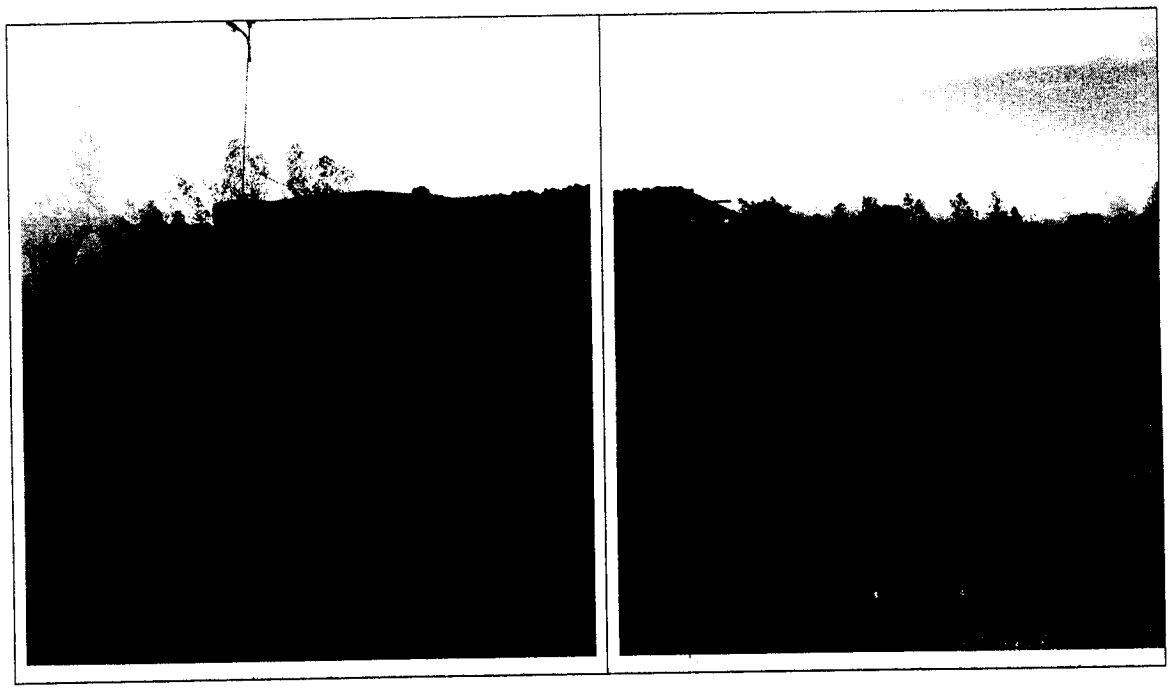
NGRBA Cell

Joint inspection Report: Sugar

A: General Information		
1.	Name of the unit and address	PBS Foods (sugar) Pvt. Ltd. Sugar Unit, Chandpur Bijnor (UP)
2.	Name of the Proprietor/ Contact person – Designation	Sh Israr Ahmed Chief General Manager
3.	Year of Commissioning.	1976
4.	Sector	Private
5.	Production details. • Products	Sugar
6.	Cane crushing capacity	4500 TCD
7.	Cane crushed last year	39,74,000 Qts
8.	Operational Status	Due to off season industry is not in operation.
B: Water Pollution and its Control:		
1.	Water Supply Source(s)	Ground Water through 2 tube well
2.	Water Meter to show consumption	Installed
3.	Flow measuring device installed at outlet of ETP	No arrangement
4.	Waste Water generation	No effluent was generated due to non-operation of unit.
5.	Waste Water treatment capacity (KLD)	1800 KLD
6.	Details of ETP ➢ ETP Description with flow diagram	ETP comprises of Oil and grease trap, receiving pit, Aeration Tank, Secondary Clarifier, polishing Tank, Sludge drying beds,
7.	Waste water discharged (after treatment)(KLD)	No effluent discharge was observed during inspection
8.	Mode of disposal of treated effluent (Details)	Treated effluent is used for irrigation in adjacent cane fields owned by industry.

		No facility for storage of treated wastewater exists
C: Air Pollution and its Control		
1.	Sources of Air Pollution	Boiler 4 Nos. 3 nos in operation 70, 20, 20 TPH in operation 20 TPH non-operation
2.	➢ Type of Fuel used with consumption	Fuel: Bagasse
3.	➢ Stack details	Two stack of 40 m Height (One Non-Operation)
4.	➢ APCS details	Wet scrubber on 70 TPH Boiler Cyclone on 20 TPH boilers
5.	Samples collections points (if collected)	Sample could not be collected due to non-operation of unit.

Photographs depicting status of industry:



Remarks

- Due to off season the industry was not found in operation. Also no effleunts was observed to be discharged from factory premises.
- For the treatment of effluent generated from industrial process, industry has installed an ETP. The ETP consists of receiving pit, chemical dosing, Aeration Tank, Secondary Clarifier, polishing pond and Sludge drying Beds.
- ETP is not properly accessible. Thick wild grass was observed all around ETP.
- As per information provided by the industry representative, the excess treated effluent is used for irrigation on own land and no effluent is discharged to any drain /river.
- Adequacy of the pollution control system may be assessed once the industry resumes its operation.

Date of report inspection	**02/09/2014**
Name of officials inspecting **(Name & Designations)**	Sh. V. P. Yadav, Sc. 'D', CPCB
	Sh. Shashi Vindkar, AEE, UPPCB
	Ms. Garima Dublish, RA, CPCB

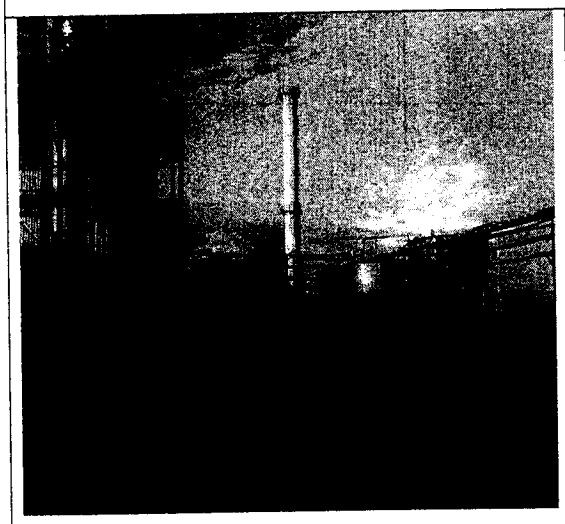
CENTRAL POLLUTION CONTROL BOARD
NGRBA Cell

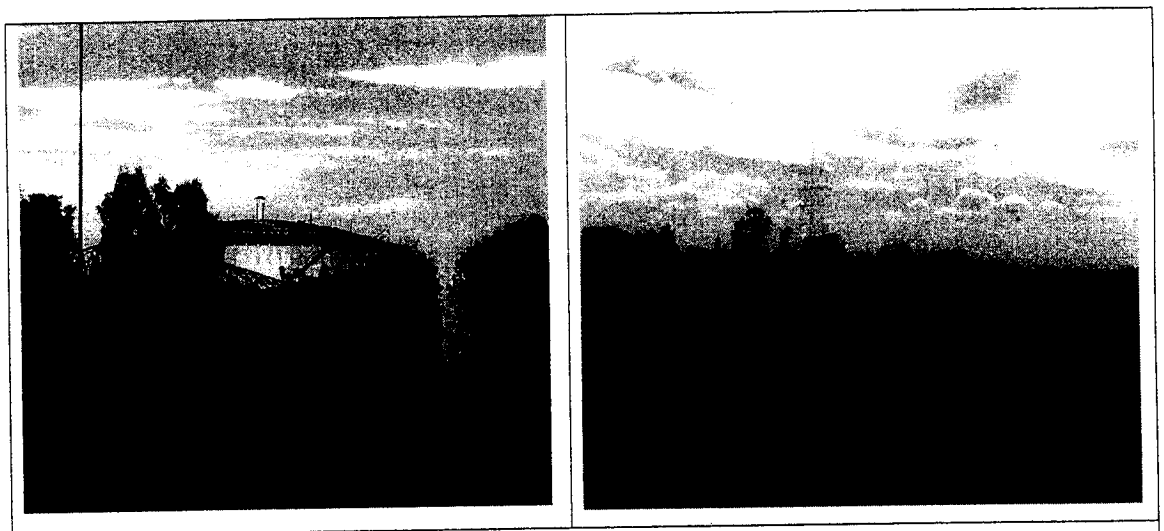
Joint inspection Report: Distillery

A: General Information			
1.	Name of the unit and address	Uttam Sugar Mills Ltd. Distillery Division, Barkatpur Dist-Bijnor (UP)	
2.	Name of the Proprietor/ Contact person – Designation Contact No.	Sh J. P. Tripathi General Manager	
3.	Year of Commissioning.	2012	
4.	Sector	Private	
5.	Production details. • Products • Installed Prod. Cap.	Rectified Sprit, ENA, Ethanol 75 KLD	
6.	Raw materials	Molasses	
7.	Operational status	Non-operational due rainy season	
B: Water Pollution and its Control:			
1.	Water Supply Source	Ground water, 1 Tubewell	
	Water Consumption (KLD)	Industrial	750 KLD (when industry was in operation)
2.	Water Meter to show consumption	Installed	
3.	Waste Water generation (KLD)	No effluent generation was observed, the industry was not in operation	
4.	Details of Effluent Management	Industry has installed Bio-gas digester, MEE and bio-composting facilities for management of its effluent. As per information provided by industry representative, the effluent from the digester goes to MEE and concentrate of MEE is used with press mud for bio-composting or mixed with bagasse and fired in boiler. Industry has developed about 10 Acre of HDPE lined bio compost platform with catch drain and catch pit.	
5.	Waste water discharged (after treatment)(KLD)	Industry claims to operate on Zero Discharge however it can be verified at the time, once industry comes operational.	

6.	Mode of disposal of treated effluent (Details)	There are chances of discharge of effluent into Malan River a tributary of River Ganga.
C: Air Pollution and its Control		
1.	Sources of Air Pollution	35 TPH boiler
2.	➢ Type of Fuel used with consumption	Bagasse
3.	➢ Stack details	50 m
4.	➢ APCS details	Bag filter and wet scrubber
5.	Samples collections points (if collected)	**Sample could not be collected due to non-operation of unit.**

Photographs indicating locations:





E. Route of effluent to reach river Ganga/Yamuna
(Please indicate starting from the outlet drain of the unit)

If at all any discharge comes from industry it will go to Malan River a tributary of River Ganga.

Remarks

- During inspection the industry was not found in operation due to rainy season and no effluent was observed generating from the industry.
- The industry has installed the system for utilization of spent wash generated from the process. The spent wash generated goes to bio-gas digester. The effluent from the digester goes to MEE and concentrate of MEE is used with press mud for making bio-compost.
- Industry has also developed the facility of mixing concentrated spent wash with bagasse and using it as a fuel in the boiler.
- Rows of semi finished bio compost was observed on the bio-compost yard.
- Bio-compost yard was observed having liner, catch drain and catch pit.
- Industry may be inspected for adequacy of its system once it comes in operation and also its claim for zero liquid discharge may be verified.

Date of report inspection	01/09/2014
Name of officials inspecting (Name & Designations)	Sh. V. P. Yadav, Sc. 'D', CPCB
	Sh. Shashi Vindkar, AEE, UPPCB
	Ms. Garima Dublish, RA, CPCB

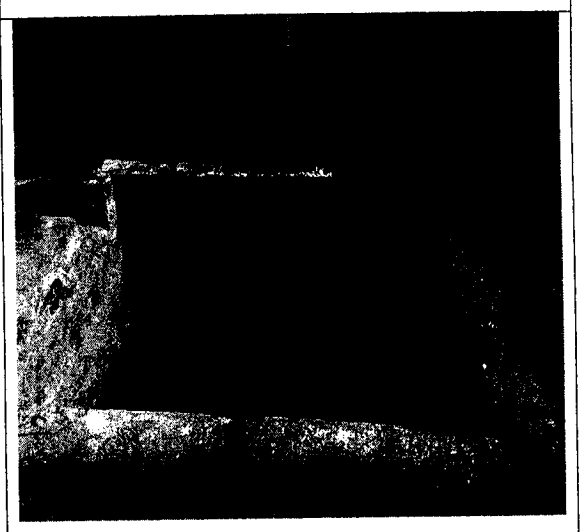
CENTRAL POLLUTION CONTROL BOARD
NGRBA Cell

Joint inspection Report: Distillery

A: General Information			
1.	Name of the unit and address	Upper Ganges Sugar & Industries Ltd. Distillery Unit, Seohara Dist-Bijnor (UP)	
2.	Name of the Proprietor/ Contact person – Designation Contact No.	Sukhveer Singh, Executive	
3.	Year of Commissioning.	1959	
4.	Sector	Private	
5.	Production details. • Products • Installed Prod. Cap.	Rectified Sprit, Absolute alcohol, ENA 30,000 KL/Annum	
6.	Raw materials	Molasses	
7.	Operational status	Non-operational due to rainy season	
B: Water Pollution and its Control:			
1.	Water Supply Source	Ground water, Tube well	
	Water Consumption (KLD)	Industrial	2200-2300 KLD (when industry was in operation)
2.	Water Meter to show consumption	Installed	
3.	Waste Water generation (KLD)	No effluent generation was observed, the industry was not in operation	
4.	Details of Effluent Management	Industry has installed 2 no Bio-digesters for the treatment of its effluent. Treated effluent from bio-digesters is further treated through RO Plant and Multi effect Evaporators for recovery of permeate and condensate respectively. Permeate and condensate is reused in the process while concentrate / RO Reject is utilized for making bio compost with press-mud. Industry has constructed about 23 Acre lined platform for bio-composting having catch drain and catch pit. Requirement of press-mud is met through its own sister sugar mill adjacent to it.	
5.	Waste water discharged (after treatment)(KLD)	Industry claims to operate on Zero Discharge however it can be verified at the time, once industry come operational.	

6.	Mode of disposal of treated effluent (Details)	If at all any discharge comes from industry it will go to Nasiya drain which flows to 19 Km before meeting to River Ramganga.
C: Air Pollution and its Control		
1.	Sources of Air Pollution	Boiler
2.	➢ Type of Fuel used with consumption	Bio-gas 55,000-60,000 m^3/day with Bagasse 145-155 Ton/day
3.	➢ Stack details	45 m
4.	➢ APCS details	1. Wet Scrubber
5.	Samples collections points (if collected)	**Sample could not be collected due to non-operation of unit.**

Photographs depicting status of industry:



E. Route of effluent to reach river Ganga/Yamuna (Please indicate starting from the outlet drain of the unit) If at all any discharge comes from industry it will go to Nasiya drain which flows to 19 Km before meeting to River Ramganga and Ramganga meets with river Ganga after travelling about 200km.	

Remarks

- During inspection the industry was not found in operation due to rainy season and no effluent was observed generating from the industry.
- The industry has installed the system for utilization of spent wash generated from the process. The spent wash generated from the process is taken into bio-digester and effluent of bio-gas digester goes to RO/MEE, the reject of RO and concentrate of MEE is being used for making bio compost using press-mud.
- Bio-compost was observed lying on bio-compost yard. It was covered by tarpaulin sheet to protect with rain.
- Bio-compost yard has been provided with catch drain and catch pit.
- Industry may be inspected for its adequacy of the system once it comes in operation.

Date of report inspection	02/09/2014
Name of officials inspecting (Name & Designations)	Sh. V. P. Yadav, Sc. 'D', CPCB
	Sh. Shashi Vindkar, AEE, UPPCB
	Ms. Garima Dublish, RA, CPCB

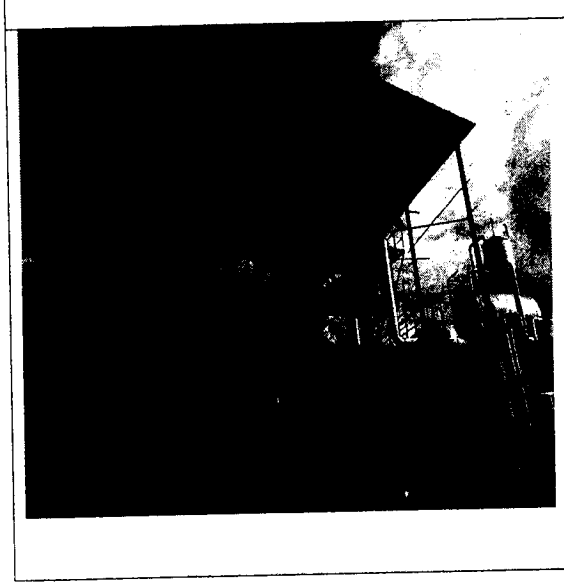
CENTRAL POLLUTION CONTROL BOARD
NGRBA Cell

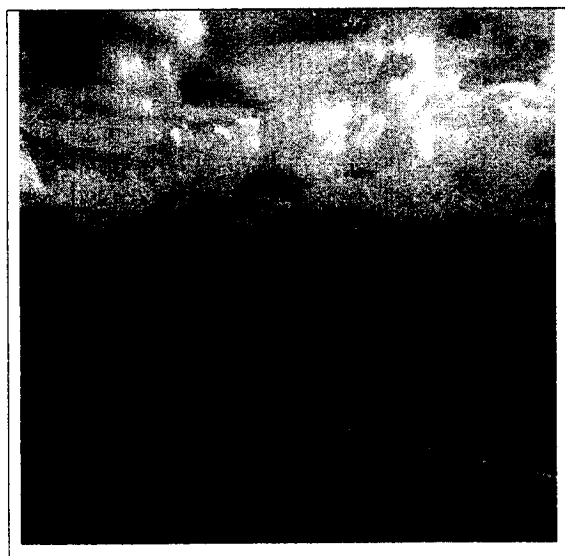
Joint inspection Report: Distillery

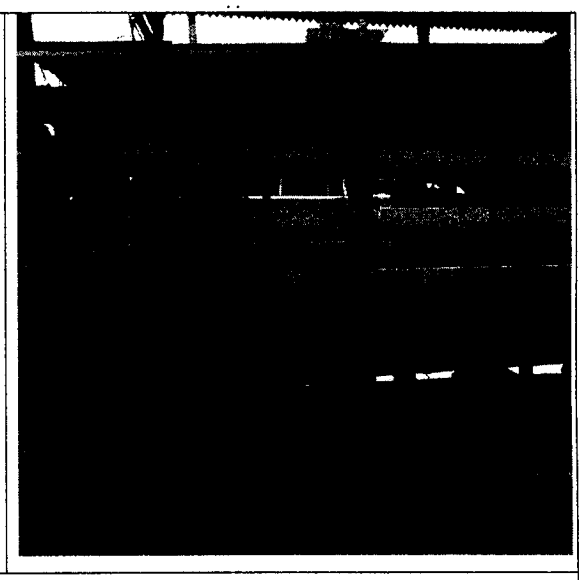
A: General Information		
1.	Name of the unit and address	Mohit Petro Chemicals Pvt. Ltd. 8th Km stone, Nagina road Bijnor (UP)
2.	Name of the Proprietor/ Contact person – Designation Contact No.	Sh. Suresh Parmar Director
3.	Year of Commissioning.	2005
4.	Sector	Private
5.	Production details. • Products • Installed Prod. Cap.	Rectified Sprit, Ethyl alcohol, ENA 40 KLD
6.	Raw materials	Molasses
7.	Operational status	Non-operational due to rainy season and as per record , Industry is not in operation since 30th July, 2014
B: Water Pollution and its Control:		
1.	Water Supply Source	Ground water, Tubewell
	Water Consumption (KLD)	Industrial: 550 KLD (when industry was in operation)
2.	Water Meter to show consumption	Installed
3.	Waste Water generation (KLD)	No effluent generation was observed, the industry was not in operation. It is estimated that industry will generate about 400 KLD effluents at full production.
4.	Details of Effluent Management	• Industry has installed Bio digester for treatment of effluent (spent wash and other effluent) generated from distillery. The effluent from the digester goes to RO plant and reject of RO Plant is used with press mud for bio-composting. Capacity of RO plant is 400m3/day. • Industry has constructed 12.8 Acre lined platform for bio composting. Bio composting area is provided with catch drain and catch pit. • Industry has constructed lined storage lagoon of for bio composting purpose of capacity 18000 m^3.

5.	Waste water discharged (after treatment)(KLD)	Industry claims to operate on Zero Discharge however it can be verified at the time, once industry come operational.
6.	Mode of disposal of treated effluent (Details)	If at all any discharge comes from industry it will go to Chuiyya drain which flows about 60-70 Km before meeting with River Ganga.
C: Air Pollution and its Control		
1.	Sources of Air Pollution	boiler, 8TPH
2.	➢ Type of Fuel used with consumption	Bio-gas+ rice husk
3.	➢ Stack details	31 m
4.	➢ APCS details	Wet Scrubber
5.	Samples collections points (if collected)	Sample could not be collected due to non-operation of unit.

Photographs depicting status of industry:







E. Route of effluent to reach river Ganga/Yamuna
(Please indicate starting from the outlet drain of the unit)

Discharge from industry will go to Chuiyya drain which travels about 60-70 Km before meeting with River Ganga.

Remarks

- During inspection the industry was not found in operation due to rainy season and no effluent was observed generating from the industry.
- The industry has installed the system for utilization of spent wash generated from the process. The spent wash generated from the process is taken into the bio-digester and effluent of bio-gas digester goes to RO Plant. The reject of RO is being used for making bio-compost along with press.
- It was observed that press mud and Bio-compost both was observed lying on bio-compost yard. Industry has not made any arrangement for protection of Bio-compost with rain.
- Bio-compost yard was observed having liner, catch drain and catch pit.
- Industry may be inspected for its adequacy of the system once it comes in operation.

Date of report inspection	01/09/2014
Name of officials inspecting (Name & Designations)	Sh. V. P. Yadav, Sc. 'D', CPCB
	Sh. Shashi Vindkar, AEE, UPPCB
	Ms. Garima Dublish, RA, CPCB

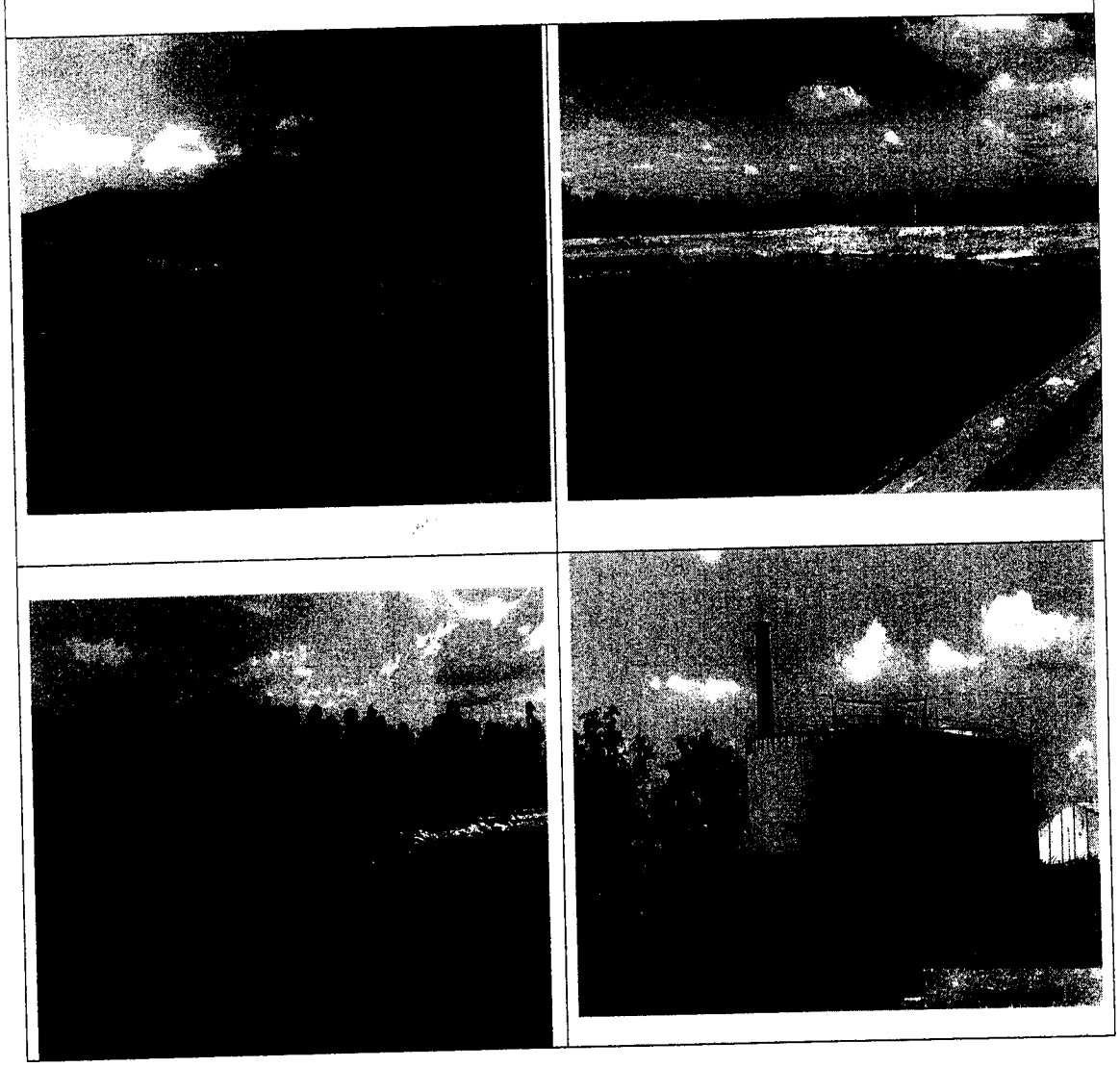
CENTRAL POLLUTION CONTROL BOARD
NGRBA Cell

Joint inspection Report: Distillery

A: General Information			
1.	Name of the unit and address	Jain Distillery Pvt. Ltd. 8th Km stone, Nagina road, Village Khadanpur, Bijnor	
2.	Name of the Proprietor/ Contact person – Designation Contact No.	Sh. Navneet Jain, Director	
3.	Year of Commissioning.	2008	
4.	Sector	Private	
5.	Production details. • Products • Installed Prod. Cap.	Rectified Sprit, , ENA 40 KLD	
6.	Raw materials	Molasses	
7.	Operational status	Non-operational due to rainy season	
B: Water Pollution and its Control:			
1.	Water Supply Source	Ground water, Tubewell	
	Water Consumption (KLD)	Industrial	700 KLD (when industry was in operation)
2.	Water Meter to show consumption	Installed	
3.	Waste Water generation (KLD)	No effluent generation was observed, the industry was not in operation. It is estimated that industry will generate about 320 KLD effluents at full production.	
4.	Details of Effluent Management	• Industry has installed Bio digester for treatment of effluent (spent wash and other effluent) generated from distillery. The effluent from the digester goes to RO plant of capacity 400 m^3/day and reject of RO Plant is used with press mud for bio-composting while permeate is reused in the process. • Industry has constructed 11 Acre lined platform for bio composting. Bio composting area is provided with catch drain and catch pit. • Industry has constructed lined storage lagoon for bio composting purpose.	
5.	Waste water discharged (after treatment)(KLD)	Industry claims to operate on Zero Discharge however it can be verified at the time, once industry come operational.	

6.	Mode of disposal of treated effluent (Details)	If at all any discharge comes from industry it will go to Chuiyya drain which flows 60-70 Km before meeting to River Ganga.
C: Air Pollution and its Control		
1.	Sources of Air Pollution	boiler, 8TPH
2.	➢ Type of Fuel used with consumption	Bio-gas+ rice husk
3.	➢ Stack details	30 m
4.	➢ APCS details	Wet Scrubber + MDC
5.	Samples collections points (if collected)	Sample could not be collected due to non-operation of unit.

Photographs indicating locations:



E. Route of effluent to reach river Ganga/Yamuna
(Please indicate starting from the outlet drain of the unit)

If at all any discharge comes from industry it will goes to Chuiyya drain which flows to 60-70 Km before meeting to River Ganga.

Remarks

- During inspection the industry was not found in operation due to rainy season and no effluent was observed generating from the industry.
- The industry has installed the system for utilization of spent wash generated from the process. The spent wash generated from the process is taken into bio-gas digester and effluent of bio-gas digester goes to RO Plant, the reject of RO is being used with press mud for bio-composting.
- Press mud and Bio-compost both was observed lying on bio-compost yard and nearby .Bio-compost was covered under polythene sheet to protect it from rain.
- Bio-compost yard was observed having liner, catch drain and catch pit.
- Industry may be inspected for its adequacy of the system once it comes in operation.

Date of report inspection	01/09/2014
Name of officials inspecting (Name & Designations)	Sh. V. P. Yadav, Sc. 'D', CPCB
	Sh. Shashi Vindkar, AEE, UPPCB
	Ms. Garima Dublish, RA, CPCB

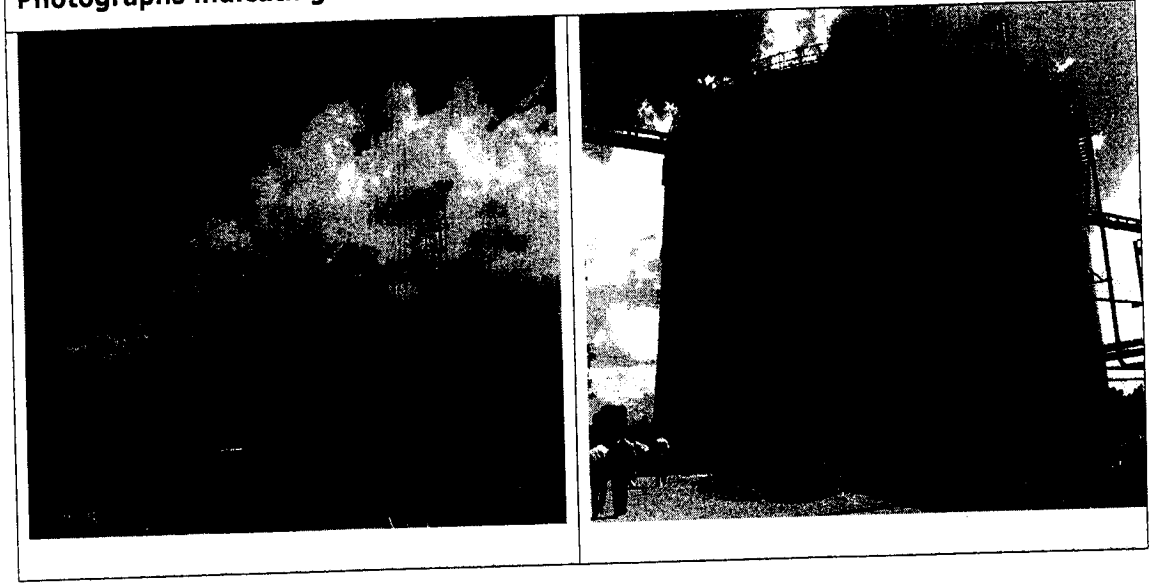
CENTRAL POLLUTION CONTROL BOARD
NGRBA Cell

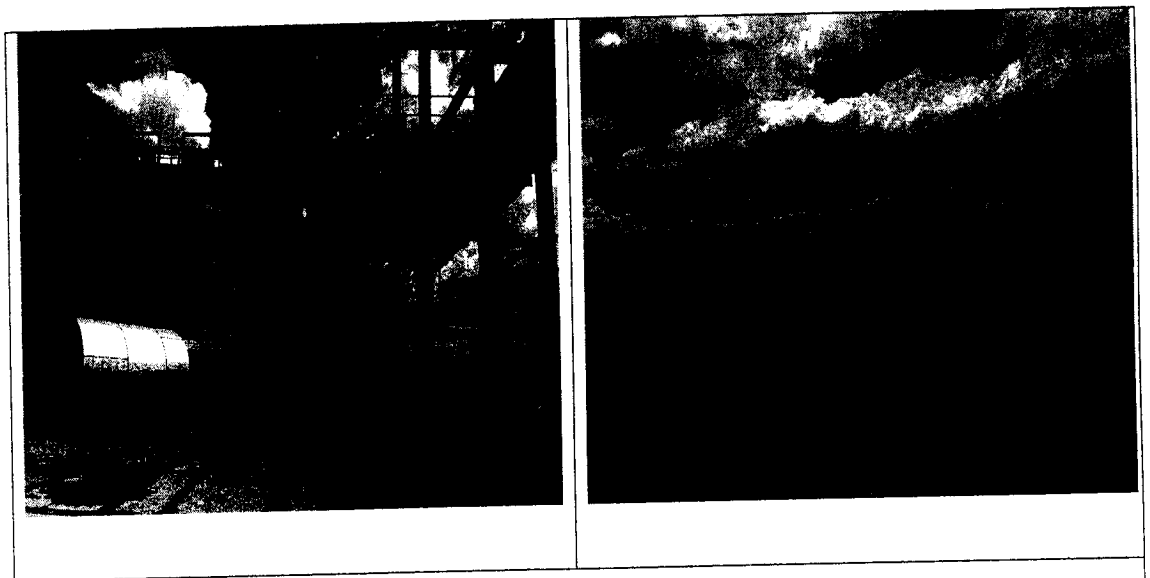
Joint inspection Report: Distillery

A: General Information			
1.	Name of the unit and address	Dhampur Sugar Industries Ltd. Dhampur, Dist- Bijnor (UP)	
2.	Name of the Proprietor/ Contact person – Designation Contact No.	Sh. Vijay Mishra Manager (Co-ordination)	
3.	Year of Commissioning.	1990	
4.	Sector	Private	
5.	Production details. • Products • Installed Prod. Cap.	Rectified Sprit, Ethyl Acetate, ENA 200 KLD	
6.	Raw materials	Molasses	
7.	Operational status	Non-operational due to rainy season as per direction from UPPCB	
B: Water Pollution and its Control:			
1.	Water Supply Source	Ground water, 3 Tube wells	
	Water Consumption (KLD)	Industrial	4700 KLD (when industry was in operation)
2.	Water Meter to show consumption	Installed	
3.	Waste Water generation (KLD)	No effluent generation was observed, the industry was not in operation. It is estimated that industry will generate about 2400 KLD effluent at full production.	
4.	Details of Effluent Management	• Industry has installed Bio digesters for treatment of effluent (spent wash and other effluent) generated from distillery. The effluent from the digester goes to RO plant/MEE and reject of RO Plant and MEE concentrate is used with press mud for bio-composting. • Industry has constructed 16 Acre active lined platform for bio composting. Bio composting area is provided with catch drain and catch pit. • Industry has constructed 36000 KL lined storage lagoon of for bio composting purpose. • Press-mud generated from its own sugar industry is used for making bio compost.	

5.	Waste water discharged (after treatment)(KLD)	Industry claims to operate on Zero Liquid Discharge however it can be verified at the time, once industry resumes its operation.
6.	Mode of disposal of treated effluent (Details)	If at all any discharge comes from industry it will go to Ikra drain which joins Karula river, river Karula meets to river Gagan which is a tributary of river Ramganga.
C: Air Pollution and its Control		
1.	Sources of Air Pollution	Boiler
2.	➢ Type of Fuel used with consumption	Bio-gas+ rice husk
3.	➢ Stack details	60 m height
4.	➢ APCS details	Wet Scrubber
5.	Samples collections points (if collected)	Sample could not be collected due to non-operation of unit.

Photographs indicating locations:





E. Route of effluent to reach river Ganga/Yamuna
(Please indicate starting from the outlet drain of the unit)

Any discharge comes from industry leads to Ikra drain which joins Karula river, river Karula meets to river Gagan which is a tributary of river Ramganga. River Ramganga meets with river Ganga after traversing about 200km.

Remarks

- During inspection the industry was not found in operation due to rainy season and no effluent was observed generating from the industry.
- The industry has installed the system for utilization of spent wash generated from the process. The spent wash generated goes to bio-gas digesters and outlet of bio-gas digester goes to RO/MEE, the reject of RO and MEE concentrate is being used for making bio-compost using press mud.
- All the process units of the industry were not in operation during inspection.
- Press mud and Bio-compost both was observed lying on bio-compost yard covered under tarpaulin sheets to protect with rain.
- Bio-compost yard was observed having liner, catch drain and catch pit.
- Industry may be inspected for its adequacy of the system once it comes in operation.

Date of report inspection	02/09/2014
Name of officials inspecting **(Name & Designations)**	Sh. V. P. Yadav, Sc. 'D', CPCB
	Sh. Shashi Vindkar, AEE, UPPCB
	Ms. Garima Dublish, RA, CPCB

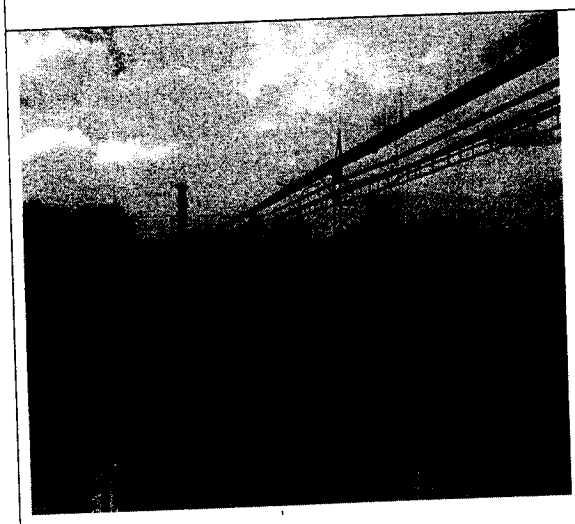
CENTRAL POLLUTION CONTROL BOARD
NGRBA Cell

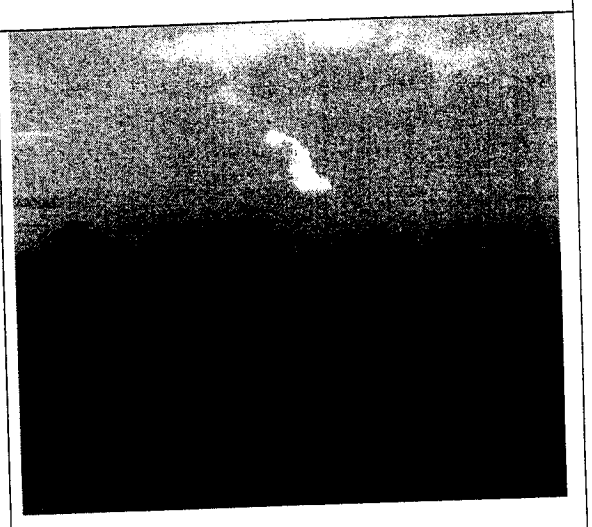
Joint inspection Report: Distillery

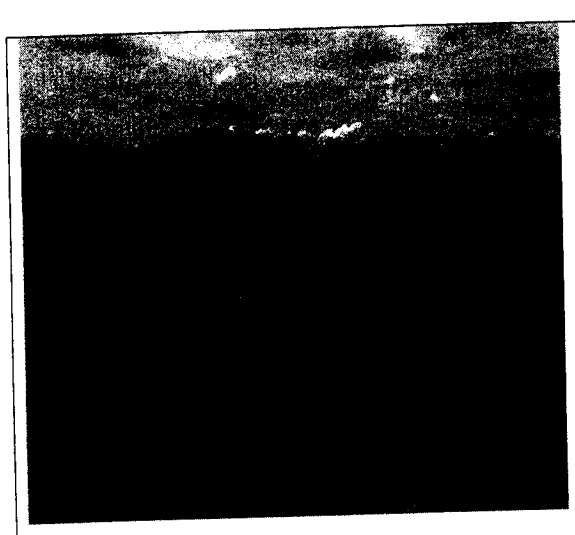
A: General Information			
1.	Name of the unit and address	M/s Dwarikesh Sugar Ind. Ltd. Distillery Division, Dwarikesh Nagar, Bundki, Dist-Bijnor	
2.	Name of the Proprietor/ Contact person – Designation Contact No.	Sh. Salil S. Arya CGM	
3.	Year of Commissioning.	2005	
4.	Sector	Private	
5.	Production details. • Products • Installed Prod. Cap.	Rectified Sprit, ENA 30 KLD	
6.	Raw materials	Molasses	
7.	Operational status	Non-operational due rainy season	
B: Water Pollution and its Control:			
1.	Water Supply Source	Ground water, Tubewell	
	Water Consumption (KLD)	Industrial	450 KLD (when industry was in operation)
2.	Water Meter to show consumption	Installed	
3.	Waste Water generation (KLD)	No effluent generation was observed since industry was not in operation. It is estimated that industry will generate about 300KLD effluent at full production.	
4.	Details of Effluent Management	• Industry has installed Bio digester for treatment of effluent (spent wash and other effluent) generated from distillery. Treated effluent from Bio-gas digester is used for bio composting using press-mud generated from its sugar mill. • Industry has constructed 30283 m2 lined platform for bio composting. Bio composting area is provided with catch drain and catch pit. • Industry has constructed lined storage lagoon of capacity 4500 m3 for bio composting purpose.	

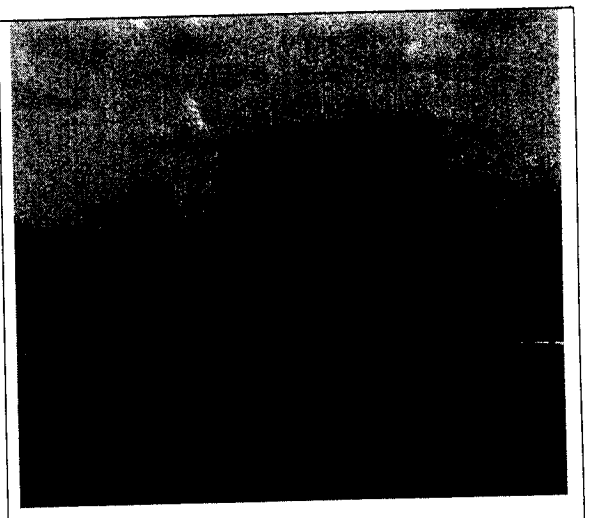
		• Requirement of press-mud is met through adjacent sister sugar factory.
5.	Waste water discharged (after treatment)(KLD)	Industry claims to operate on Zero Discharge however it can be verified at the time, once industry resumes its operation.
6.	Mode of disposal of treated effluent (Details)	If at all any discharge comes from industry it will go to nearby drain which will meet with river Gagan which finally meets to river Ramganga.River Ramganga meets with river Ganga at Kannauj.
C: Air Pollution and its Control		
1.	Sources of Air Pollution	
2.	➢ Type of Fuel used with consumption	No boiler in distillery unit, the steam is supplied by their own adjacent sugar unit
3.	➢ Stack details	
4.	➢ APCS details	
5.	Samples collections points (if collected)	Sample could not be collected due to non-operation of unit.

Photographs indicating locations:









E. Route of effluent to reach river Ganga/Yamuna
(Please indicate starting from the outlet drain of the unit)

Discharge from industry will go to road side drain which leads to Gagan river which finally meets to river Ramganga after traversing about 60km and River Ramganga meets with river Ganga after traversing about 200km.

Remarks

- During inspection the industry was not found in operation due to rainy season and no effluent was observed generating from the industry.
- The industry has installed the system for utilization of effluent generated from the process. Industry has installed bio digester for recovery of energy from its effluent and treated effluent from bio-digester is utilized for making bio compost along with press-mud. Industry claims that it operates on zero liquid discharge.
- Bio compost was observed lying on Bio compost yard under tarpaulin cover for protection of rain.
- Industry may be inspected for its adequacy of the system once it comes in operation.

Date of report inspection	02/09/2014
Name of officials inspecting (Name & Designations)	Sh. V. P. Yadav, Sc. 'D', CPCB
	Sh. Shashi Vindkar, AEE, UPPCB
	Ms. Garima Dublish, RA, CPCB

Central Pollution Control Board
PCI-III Division

Dated: 09/09/2014

Sub: Inspection report of 04 industries under NGT order-Regd.

Placed below at flag '**A**' is the inspection reports of the following 04 industries conducted in accordance to the NGT order dated 06th August 2014.

1. M/s A.B. Mauri Yeast Ltd. Ind. Area, Sikandrabad, Distt. Bulandshahr
2. M/s Jagatjeet Industries Ltd. Ind. Area, Sikandrabad, Distt. Bulandshahr
3. M/s Kothari Fermentation & Biochem Ltd. Ind. Area, Sikandrabad, Distt. Bulandshahr
4. M/s Wave Industries Ltd. (Sugar Unit), Panni Nagar, Bulandshahr, UP

Submitted for kind perusal and further necessary action please.

09/09/14

Kamlesh Singh
Sc 'C'

I/c NGRBA CELL

CENTRAL POLLUTION CONTROL BOARD

NGRBA Cell

Joint inspection Report: Sugar Mill

Date of Inspection: 01/09/2014

A: General Information			
1.	Name of the unit and address	**M/s Wave Industries Ltd.** (Sugar Unit), Panni Nagar, Bulandshahr, UP	
2.	Name of the Proprietor/ Contact person – Designation Contact No.		
3.	Year of Commissioning.		
4.	Sector	Private	
5.	Production details. • Products • Installed Prod. Cap • Operating capacity	Sugar Consent expired on 31.12.2012	
6.	Cane crushing capacity	3500 TCD	
7.	Cane crushed last year	**Closed** since March,2014 due to off season	
8.	Molasses generation	*No record available with Unit*	
9.	Press Mud generation	*No records available with Unit*	
10.	Operational status	**CLOSED** due to off season/Non crushing season	
B: Water Pollution and its Control:			
1.	Water Supply Source(s)	Tubewell-2 No; *No logbooks available*	
	Water Consumption (KLD)	Industrial	*1500 KLD*
		Domestic	
2.	Water Meter to show consumption	√ Available / **Not available**	
3.	Flow measuring device installed at outlet of ETP	√ Available / **Not available**	
4.	Waste Water generation (KLD) (before treatment) ➢ Industrial ➢ Domestic	*No records available*	
5.	Waste Water treatment capacity (KLD) ➢ Industrial ➢ Domestic		

6.	Details of ETP ➢ ETP Description with flow diagram ➢ Details of Reverse Osmosis plant, if any	**ETP Details:** *ETP in Defunct state and not approachable due to plant growth around ETP.* Equalization tank→ Primary Clarifier→ Aeration tank (*surface aerators*)→ → Secondary clarifier→ Kali(E) (after 01 km) *Sludge drying beds*
7.	Waste water discharged (after treatment)(KLD) ➢ Industrial Domestic	
8.	Mode of disposal of treated effluent (Details)	√ On land/ **Surface water**
9.	Sample distributed into no. of parts (2/3)	No samples taken as sugar mill was closed since March 2014
10.	Sludge disposal mode	Sludge drying beds
11.	Effluent collection locations & analysis results (if collected)	

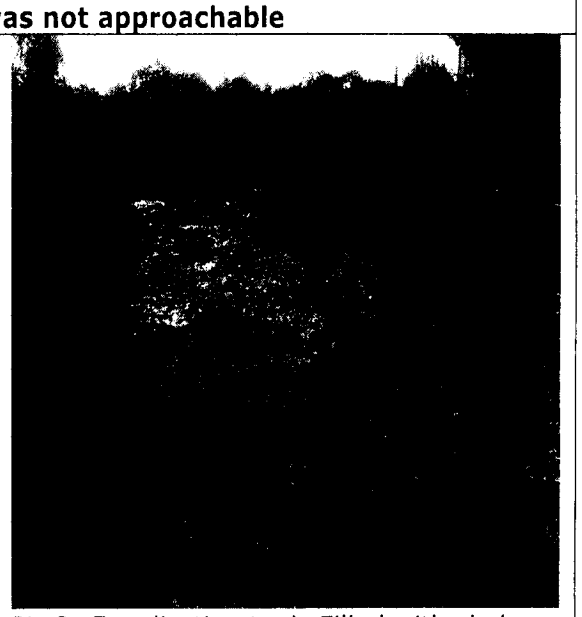
Locations	**Parameters**			
	pH	**BOD (mg/l)**	**COD (mg/l)**	**TSS (mg/l)**
Outlet				
Others				

(I) Information regarding Ferti-irrigation N/A		
1.	Details of treatment effluent before Ferti-irrigation	NA
2.	Command area for irrigation (available land area)	NA
3.	System for dilution of treated effluent required for ferti-irrigation	NA
4.	System of transportation of treated effluent upto field.	NA
5.	Formal agreements with farmers for using treated effluent	NA
6.	Storage facility available for treated effluent during low demand period	NA
7.	Quality of effluent being used for ferti-irrigation	NA
8.	Ground water monitoring network	(Available /**Not available**)
C: Air Pollution and its Control		
1.	Sources of Air Pollution	Two Boiler of 32 TPH each; P-32Kg Cogeneration plant of 2x2.5 MW
2.	➢ Type of Fuel used with consumption	**Bagasse** as fuel
3.	➢ Stack details	-----
4.	➢ APCS details	Cyclone dust collector

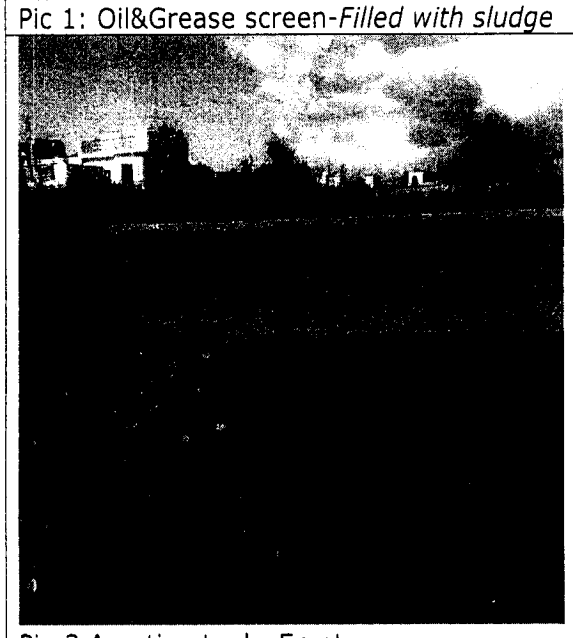
5.	Samples collections points (if collected)	Boilers were non-operational due to off season therefore, nor stack monitoring done.

Photographs indicating locations: ETP was not approachable

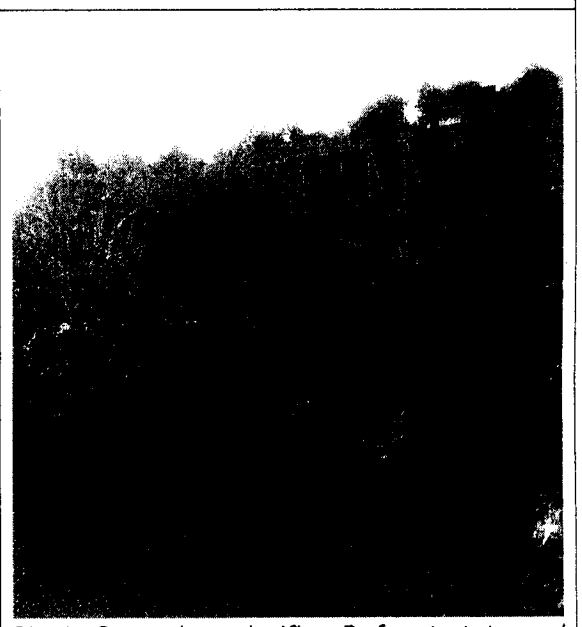
Pic 1: Oil&Grease screen-*Filled with sludge*



Pic 2: Equalization tank-*Filled with sludge*



Pic:3 Aeration tank- Empty
Picture shows residential area around the plant



Pic 4: Secondary clarifier-*Defunct state and with plants grown around the ETP*

E. Route of effluent to reach river Ganga/Yamuna
(Please indicate starting from the outlet drain of the unit)
Treated effluent is discharge into the local nallah which meets River Kali (E) after 01 KM.

Treated effluent---Local Drain----Kali(E)----> Ganga

1	Name of officials inspecting	Name & Designations	Signature
		Sh. Kamlesh Singh, Scientist 'C', CPCB	08/09/14
		Sh. A.K. Chaudhary, RO, UPPCB	
		Sh. J.B Singh, AEE, UPPCB	
		Miss. Shradha Lonarkar, Research Associate, NGRBA	
2	Date of report Submission	01/09/2014	

CENTRAL POLLUTION CONTROL BOARD

NGRBA Cell

Joint inspection Report: Yeast

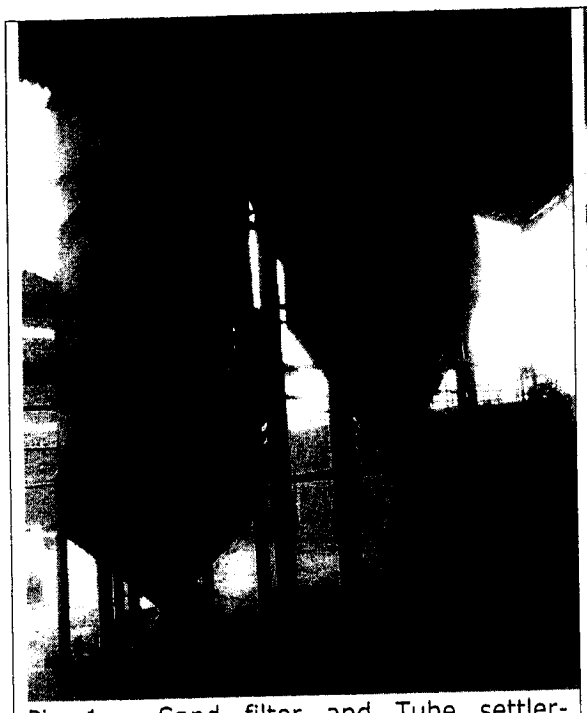
Date of Inspection: 01/09/2014

A: General Information			
1.	Name of the unit and address	**M/s Kothari Fermentation & Biochem Ltd**. Ind. Area, Sikandrabad, Distt. Bulandshahr	
2.	Name of the Proprietor/ Contact person – Designation Contact No.	Mr. Pramod Kothari,	
3.	Year of Commissioning.	1993	
4.	Sector	Private	
5.	Production details. • Products • Installed Prod. Cap. • Consented Prod. Cap • Restricted Prod. Cap.	Yeast 40 TPD	
6.	Raw materials & their requirement	Molasses from Sugar mills	
7.	Operational status	Operating *at 33 TPD*	
B: Water Pollution and its Control:			
1.	Water Supply Source	Borewell -3 , Logbooks were maintained	
	Water Consumption (KLD)	Industrial	300
		Domestic	
2.	Water Meter to show consumption	Available Total fresh water consumption=5639 m^3/month(Aug'14); (@29.52 TPD production) ~ 6.36 m^3/Ton of production	
3.	Flow measuring device installed at outlet of ETP	NA; Unit informed to be on Zero Liquid Discharge (**ZLD**)	
4.	Waste Water generation (KLD) (before treatment) ➢ Industrial ➢ Domestic	280 KLD	

5.	Waste Water treatment capacity (KLD) ➢ Industrial ➢ Domestic		
6.	Details of ETP ➢ ETP Description with flow diagram ➢ Details of Reverse Osmosis plant, if any ➢ Details of Multi Effect Evaporator (MEE), if any	ETP: Effluent→Tube settler---Sand Filter→ Ultra Filtration→ Nano Filtration→ R.O. Filtration→ Polishing R.O.--> Gardening & cooling towers RO Reject → MEE Feed Tank → MEE → MEE Concentrate + Mustard Husk--Agro Fuel Mixer → Agro fuel based Boiler Sand Filter, Ulta Filter, Reverse Osmosis, MEE was found operational. Bio-digester was non-operational. **MEE Detail**: Capacity=300 KLD Industry has installed five effect forced circulation evaporator of capacity 300 KLD feed. Evaporation takes place in five stages in calandria having tubes where spent wash (RO Reject) is heated through steam under vacuum. MEE Feed rate during inspection: 193 litr/min MEE condensate rate: 162.5 litr/min	
7.	Waste water discharged (after treatment)(KLD) ➢ Industrial Domestic	ZLD	
8.	Mode of disposal of treated effluent (Details)	On land/ Surface water RO Permeate- Used in Gardening & cooling tower RO Reject- Mixed with mustard husk and burnt in boiler	
9.	Sample distributed into no. of parts (2/3)	2	
10.	**Sludge disposal mode**	The unit had 14 sludge drying beds filled with molasses sludge (*obtain after decanting the raw molasses*) but they did not have any proper system for its disposal. It was informed that the sludge was dried and disposed off on land fill sites but no proper arrangement was seen for the same. **About 90 % of the sludge drying beds were filled with molasses sludge.**	
11.	Effluent collection locations &	**Locations**	**Parameters**

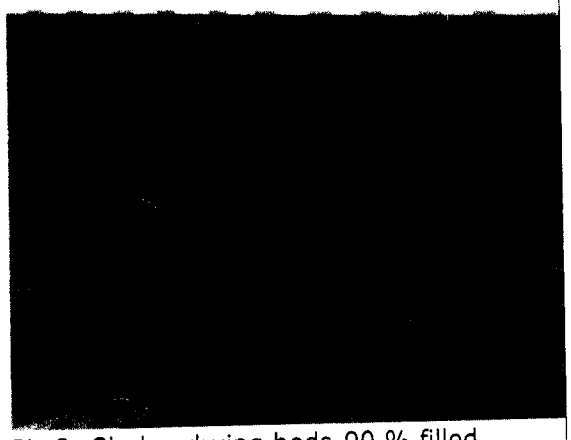
	analysis results (if collected)		**pH**	**BOD (mg/l)**	**COD (mg/l)**	**TSS (mg/l)**
		Outlet				
		Others				
(I) Information regarding Bio-composting - No Bio-composting						
1.	Active area for bio compost preparation **(m^2)**					
2.	Area for press mud storage **(m^2)**	NA				
3.	Area for bio compost storage **(m^2)**	NA				
4.	Spent wash storage capacity	NA				
5.	Availability of pressmud	NA				
6.	Quantity of compost prepared (Monthly statement of last year)	NA				
7.	Quantity of pressmen procured (Monthly statement)	NA				
8.	Details of wind roses (Number, length, height, width of stacking, space between two wind rose)	NA				
9.	Quantity of Effluent being used for composting (m^3/day) :	NA				
10.	Quantity of press mud being used for one cycle	NA				
11.	Maturity time in days for one cycle	NA				
12.	Arrangement for rainy season	NA				
13.	Quality of ground water in the area and depth of ground water table					
(II) Information regarding Ferti-irrigation- no fertiirrigation						

1.	Details of treatment of spent wash (details of bio methanisation, primary and secondary treatment)	
2.	Command area for irrigation (available land area)	NA
3.	System for dilution of treated effluent required for ferti-irrigation	NA
4.	System of transportation of treated effluent upto field.	NA
5.	Formal agreements with farmers for using treated effluent	
6.	Storage facility available for treated effluent during low demand period	NA
7.	Quality of effluent being used for ferti-irrigation	NA
8.	Ground water monitoring network	Not available
C: Air Pollution and its Control		
1.	Sources of Air Pollution	Boilers
2.	➢ Type of Fuel used with consumption	Three boilers 1x10 TPH (MEE Reject + mustard husk) and 2x02 TPH (furnace oil) 10 TPH was operational
3.	➢ Stack details	35 mt height
4.	➢ APCS details	Multi-cyclone
5.	Samples collections points (if collected)	Boiler of 10 TPH was operational.
Photographs indicating locations:		

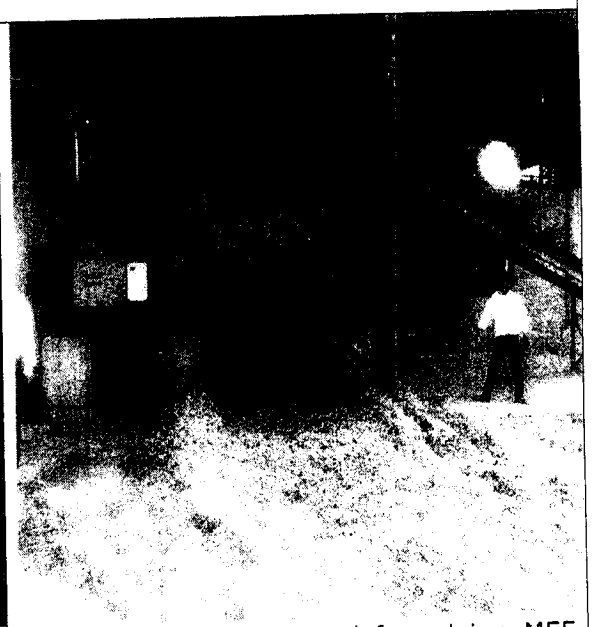


Pic 1: Sand filter and Tube settler-Operational

Pic 2: RO plant-Operational



Pic 3: Sludge drying beds-90 % filled



Pic 4: Mustard husk used for mixing MEE concentrated reject lying in the open field

E. Route of effluent to reach river Ganga/Yamuna
(Please indicate starting from the outlet drain of the unit)

UPSIDC drain ----- River Kali---River Yamuna

The Unit claims to be on Zero Liquid Discharge however the significant amount of molasses sludge was found stored and needs to be disposed off in a scientific manner.

The Unit mixes the MEE concentrate with mustard husk (40:60 ratio) and after sun drying, uses it in boiler (10 TPH) as fuel. MEE Condensate is treated with RO and RO permeate is stored in polishing tank from where it is re-used for boiler.

No discharge was found

1	Name of officials inspecting	Name & Designations	Signature
		Sh. Kamlesh Singh, Scientist 'C', CPCB	08/09/14
		Sh. A.K. Chaudhary, RO, UPPCB	
		Sh. J.B Singh, AEE, UPPCB	
		Miss. Shradha Lonarkar, Research Associate, NGRBA	
2	Date of report Submission	01/09/2014	

CENTRAL POLLUTION CONTROL BOARD

NGRBA Cell

Joint inspection Report: DISTILLERY

Date of Inspection: 01/09/2014

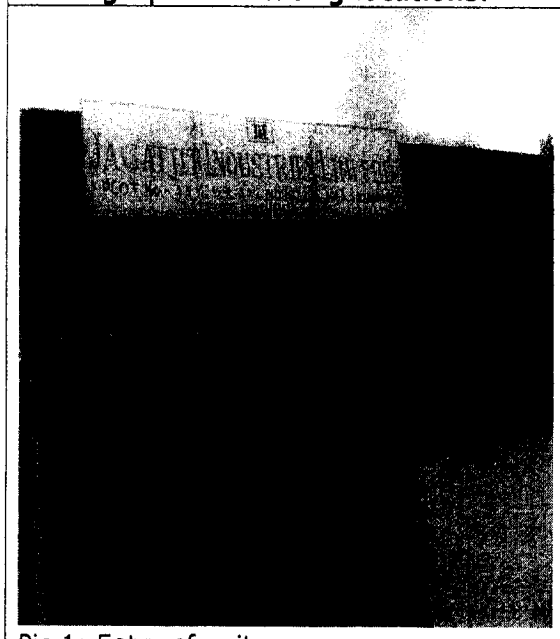
A: General Information		
1.	Name of the unit and address	**M/s Jagatjeet Industries Ltd.** Ind. Area, Sikandrabad, Distt. Bulandshahr
2.	Name of the Proprietor/ Contact person - Designation Contact No.	
3.	Year of Commissioning.	1997
4.	Sector	Private
5.	Production details. • Products • Installed Prod. Cap. • Consented Prod. Cap • Restricted Prod. Cap.	**Unit closed since 04 years**
6.	Raw materials & their requirement	Molasses
7.	Operational status	**Unit is closed since 04 Years** and verified by UPPCB officials. **Only security guards were present.**

B: Water Pollution and its Control:			
1.	Water Supply Source	No Datas available	
	Water Consumption (KLD)	Industrial	**NO Datas**
		Domestic	
2.	Water Meter to show consumption	Available / **Not available**	
3.	Flow measuring device installed at outlet of ETP	Available / **Not available**	
4.	Waste Water generation (KLD) (before treatment) ➢ Industrial ➢ Domestic	**NO Data**	
5.	Waste Water treatment capacity (KLD) ➢ Industrial ➢ Domestic		

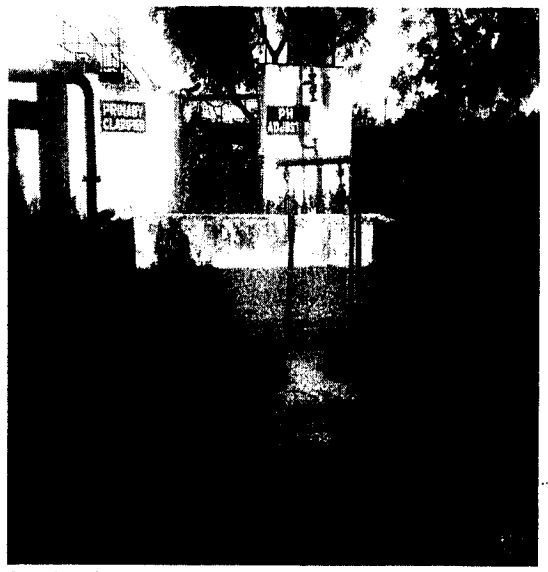
6.	Details of ETP ➢ ETP Description with flow diagram ➢ Details of Reverse Osmosis plant, if any ➢ Details of Multi Effect Evaporator, if any	**ETP in Defunct state** ETP comprises of **equalization tank---primary clarifier----aeration tank/collection tank----secondary clarifier**				
7.	Waste water discharged (after treatment)(KLD) ➢ Industrial Domestic	**NO DATA**				
8.	Mode of disposal of treated effluent (Details)	On land/ **Surface water**				
9.	Sample distributed into no. of parts (2/3)	None				
10.	Sludge disposal mode	Not availble				
11.	Effluent collection locations & analysis results (if collected)	**Locations**	**Parameters**			
			pH	**BOD (mg/l)**	**COD (mg/l)**	**TSS (mg/l)**
		Outlet				
		Others				
(I) Information regarding Bio-composting						
1.	Active area for bio compost preparation **(m^2)**					
2.	Area for press mud storage **(m^2)**					
3.	Area for bio compost storage **(m^2)**					
4.	Spent wash storage capacity					
5.	Availability of pressmud					
6.	Quantity of compost prepared (Monthly statement of last year)					
7.	Quantity of pressmen procured (Monthly statement)					
8.	Details of wind roses (Number, length, height, width of stacking, space between two wind rose)					
9.	Quantity of Effluent being used for composting (m^3/day) :					
10.	Quantity of press mud being used for one cycle					
11.	Maturity time in days for one cycle					
12.	Arrangement for rainy season					
13.	Quality of ground water in the area and depth of ground water table					
(II) Information regarding Ferti-irrigation						

1.	Details of treatment of spent wash (details of bio methanisation, primary and secondary treatment)	
2.	Command area for irrigation (available land area)	
3.	System for dilution of treated effluent required for ferti-irrigation	
4.	System of transportation of treated effluent upto field.	
5.	Formal agreements with farmers for using treated effluent	
6.	Storage facility available for treated effluent during low demand period	
7.	Quality of effluent being used for ferti-irrigation	
8.	Ground water monitoring network	(Available /Not available)
C: Air Pollution and its Control		
1.	Sources of Air Pollution	Boiler
2.	➢ Type of Fuel used with consumption	**NO DATA**
3.	➢ Stack details	
4.	➢ APCS details	**NO DATA**
5.	Samples collections points (if collected)	**PM** (mg/Nm^3):

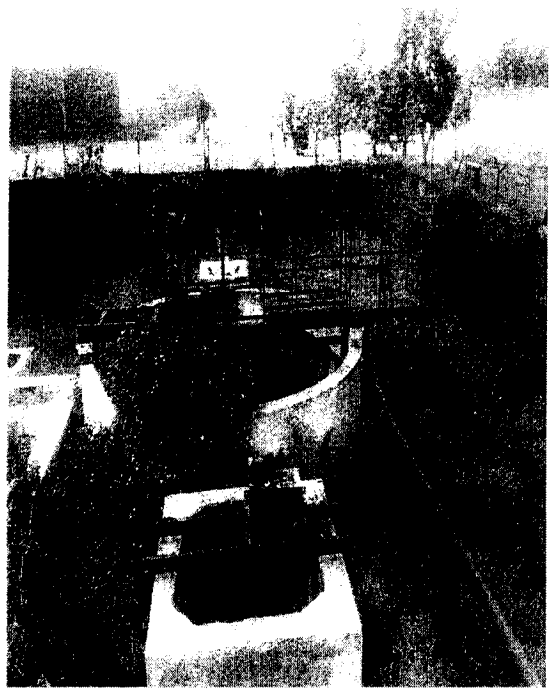
Photographs indicating locations:



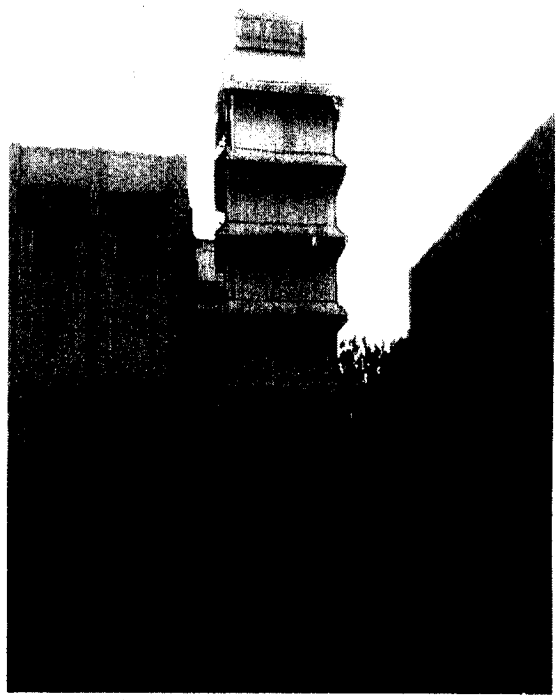
Pic 1: Entry of unit



Pic 2: ETP-**Non-operational**



Pic 3: ETP-Non operational



Pic 4: Industry campus

E. Route of effluent to reach river Ganga/Yamuna
(Please indicate starting from the outlet drain of the unit)

UPSIDC Drain----Karval River---Yamuna

1	Name of officials inspecting	Name & Designations	Signature
		Sh. Kamlesh Singh, Scientist 'C', CPCB	08/07/14
		Sh. A.K. Chaudhary, RO, UPPCB	
		Sh. J.B Singh, AEE, UPPCB	
		Miss Shradha Lonarkar, Research Associate, NGRBA	
2	Date of report Submission		

CENTRAL POLLUTION CONTROL BOARD

NGRBA Cell

Joint inspection Report: Yeast

Date of Inspection: 01/09/2014

A: General Information			
1.	Name of the unit and address	**M/s A.B. Mauri Yeast** Ltd. Ind. Area, Sikandrabad, Distt. Bulandshahr	
2.	Name of the Proprietor/ Contact person – Designation Contact No.		
3.	Year of Commissioning.		
4.	Sector	Private	
5.	Production details. • Products • Installed Prod. Cap. • Consented Prod. Cap • Restricted Prod. Cap.	**Closed** since March,2014 **Bakers Yeast** **Consent rejected by UPPCB**	
6.	Raw materials & their requirement	Molasses-1150-1200 tons/month (bought from Anamika or Wave sugar)	
7.	Operational status	→ **Non-operational** → **UPPCB has rejected the consent** under Water and Air Acts *vide letter dated 17.04.2014*	
B: Water Pollution and its Control:			
1.	Water Supply Source	Borewell-2 No.	
	Water Consumption (KLD)	Industrial	221.4 KLD(12 m^3/ton of production)
		Domestic	
2.	Water Meter to show consumption	√ Available / **Not available**	
3.	Flow measuring device installed at outlet of ETP	Available / **Not available**	
4.	Waste Water generation (KLD) (before treatment) ➢ Industrial ➢ Domestic	500 KLD at full capacity	
5.	Waste Water treatment capacity (KLD) ➢ Industrial ➢ Domestic		

6.	Details of **ETP** ➢ ETP Description with flow diagram ➢ Details of Reverse Osmosis plant, if any ➢ Details of Multi Effect Evaporator (MEE), if any	**Equalization tank→ Digester → RO** --- RO Reject mixed with Rice husk within the plant *and sold to outside agencies for final disposal of RO Reject.* ***Inadequate ETP*** *No MEE installed*
7.	Waste water discharged (after treatment)(KLD) ➢ Industrial Domestic	No treatment technology installed to treat the RO Reject within the plant
8.	Mode of disposal of treated effluent (Details)	The effluent was being treated in the Digester and RO but after the Reverse osmosis the Unit doesn't have any treatment technology for the treatment of RO Reject within the plant. However, Unit informed that the RO Reject is mixed with Rice husk and dried and finally given to the agency outside which burns the dried mixer in their boilers. Unit did not provided the list of agency which uses their mixed fuel (*Reject +Rice husk*) as fuel in boilers.
9.	Sample distributed into no. of parts (2/3)	None
10.	Sludge disposal mode	
11.	Effluent collection locations & analysis results (if collected)	

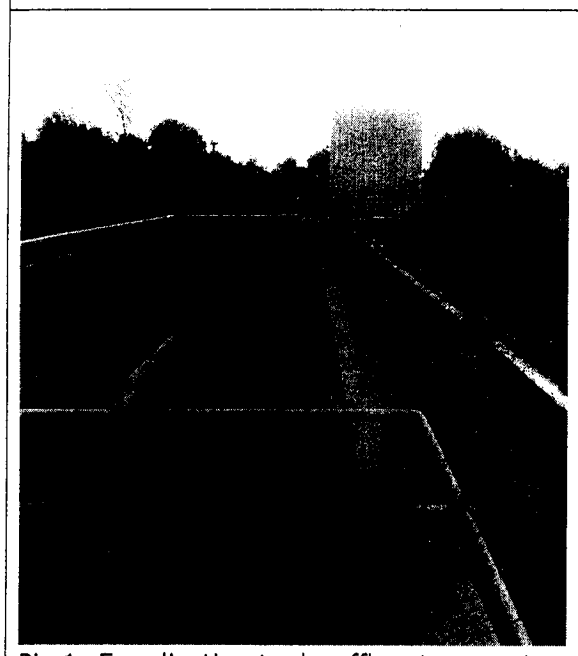
Locations	**Parameters**			
	pH	**BOD (mg/l)**	**COD (mg/l)**	**TSS (mg/l)**
Outlet				
Others				

(I) Information regarding Bio-composting N/A		
1.	Active area for bio compost preparation **(m^2)**	
2.	Area for press mud storage **(m^2)**	NA
3.	Area for bio compost storage **(m^2)**	NA
4.	Spent wash storage capacity	NA
5.	Availability of pressmud	NA
6.	Quantity of compost prepared	NA

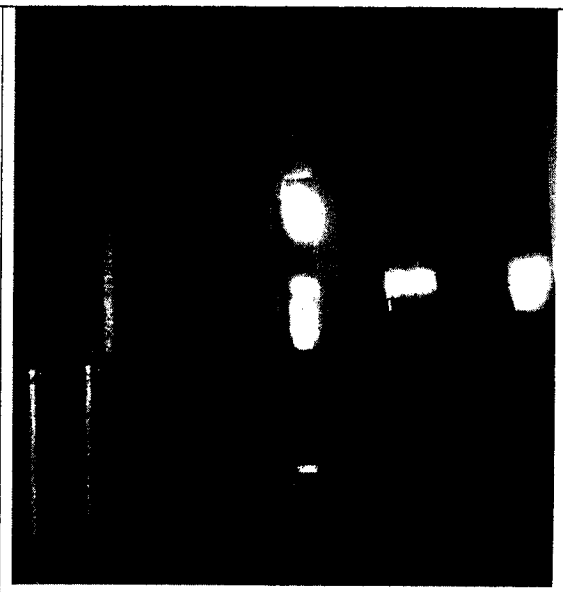
	(Monthly statement of last year)	
7.	Quantity of pressmen procured (Monthly statement)	NA
8.	Details of wind roses (Number, length, height, width of stacking, space between two wind rose)	NA
9.	Quantity of Effluent being used for composting (m^3/day) :	NA
10.	Quantity of press mud being used for one cycle	NA
11.	Maturity time in days for one cycle	NA
12.	Arrangement for rainy season	NA
13.	Quality of ground water in the area and depth of ground water table	
(II) Information regarding Ferti-irrigation N/A		
1.	Details of treatment of spent wash (details of bio methanisation, primary and secondary treatment)	
2.	Command area for irrigation (available land area)	NA
3.	System for dilution of treated effluent required for ferti-irrigation	NA
4.	System of transportation of treated effluent upto field.	NA
5.	Formal agreements with farmers for using treated effluent	NA
6.	Storage facility available for treated effluent during low demand period	NA
7.	Quality of effluent being used for ferti-irrigation	NA
8.	Ground water monitoring network	(Available /**Not available**)
C: Air Pollution and its Control		
1.	Sources of Air Pollution	
2.	➢ Type of Fuel used with consumption	
3.	➢ Stack details	

4.	➢ APCS details	
5.	Samples collections points (if collected)	No-operational therefore no stack monitoring done

Photographs indicating locations:



Pic 1: Equalization tank- effluent present



Pic 2: Reverse Osmosis-*Non-operational*

E. Route of effluent to reach river Ganga/Yamuna
(Please indicate starting from the outlet drain of the unit)

Kali (E)----Ganga

1	**Name of officials inspecting**	Name & Designations	Signature
		Sh. Kamlesh Singh, Scientist 'C', CPCB	08/09/14
		Sh. A.K. Chaudhary, RO, UPPCB	
		Sh. J.B Singh, AEE, UPPCB	
		Miss. Shradha Lonarkar, Research Associate, NGRBA	
2	Date of report Submission		

CPCB - NEW DELHI

Subject - Inspection of Sugar Industry & distillery as per NGT directions dated 5 Aug 2014

Reference - Office Order No - F.NO. B-190153/NGRBA/CPCB/2013.
DATED - 25.08.2014

Sugar industries and distilleries that falls under the juridiction of regional office (UPPCB) Ghaziabad were inspected on 1.09.2014 and 3.09.2014. Total numbers of units inspected are "8" and details of the same are given below.

(1) Simbholi Sugar Mill Ltd. (Sugar Unit Simbholi)
(2) Modi Sugar Mill Ltd. (Modinagar)
(3) Brijnath pur Sugar Mill (Brijnathpur)
(4) Ghaziabad Organics Ltd. (Bojpur)
(5) Modi distellary (Modinagar)
(6) Simbholi Sugar Mill (distillery unit) Brijnathpur
(7) Mohan Meakins Ltd (Mohan Nagar)
(8) Simbholi Spirit Ltd (Distillery unit)

The inspection was carried out jointly with the represent of UPPCB. The inspection reports of all the above units are put up for further action please.

I/c, NGRBA Cell

Nallagopal
8.9.2014

For Sugar Unit

Inspection date - 01.09.2014

A: General Information		
1.	Name of the unit and address	Modi Industries ltd (Sugar Section) Modinagar 201204
2.	Name of the Proprietor/ Contact person – Designation Contact No.	M.C. Tyagi Mgr (Personnel Manager)
3.	Year of Commissioning.	1980
4.	Sector	Private
5.	Production details. • Products • Installed Prod. Cap • Operating capacity	Sugar
6.	Cane crushing capacity	5000 TCD
7.	Cane crushed last year 4th Dec 2013 – 11/5/14 ~~(As per)~~	6834035.29 Qtls.
8.	Molasses generation	347808.35 Qtls.
9.	Press Mud generation	270270.00 Qtls.
10.	Operational status	1. Operating - NA 2. Non operational due Off Season (11.5.14) 3. Closed by direction - NA (As per R.T. 8(c) 4. Closed by own -NA

B: Water Pollution and its Control:			
1.	Water Supply Source(s)	1. Bore Well - 40HP 2 No.	
	Water Consumption (KLD)	Industrial	6200 KLD
		Domestic	50 KLD
2.	Water Meter to show consumption	Available	Installed
3.	Flow measuring device installed at outlet of ETP	Available – V-Notch.	
4.	Waste Water generation (KLD) (before treatment) ➢ Industrial ➢ Domestic	~~4000 KLD~~ ~~500 KLD~~ 400 KLD 40 KLD (40KLD)	

5.	Waste Water treatment capacity (KLD) ➢ Industrial ➢ ~~Domestic~~	1000KL/D
6.	Details of ETP ➢ ETP Description with flow diagram ➢ Details of Reverse Osmosis plant, if any ➢ Details of Multi Effect Evaporator, if any	~~Enclosed~~ Untreated effluent → oil & grease trap → equalizer ↓ Primary clarifier ↓ Aeration tank ↓ Secondary clarifier → Drain; Sludge drying beds ←; Spray pond / venturi scrubbers — —
7.	Waste water discharged (after treatment)(KLD) ➢ Industrial Domestic	~~Zero discharge~~ Provision exist for outside discharge (Kadarabad drain)
8.	Mode of disposal of treated effluent (Details)	~~Zero discharge~~ ~~Ferti-irrigation~~ Spray pond, wet scrubber, Gardening, Ash quenching, outside disposal (Kadarabad drain through town drain)
9.	Sample distributed into no. of parts (2/3)	—
10.	Sludge disposal mode	Used for ~~low land filling~~ – Bi-composting after mixing with press mud.
11.	Effluent collection locations & analysis results (if collected)	see below

Locations	Parameters			
	pH	BOD (mg/l)	COD (mg/l)	TSS (mg/l)
Outlet	~~7.50~~	~~29~~	~~158~~	~~38~~
Others				

(I) Information regarding Ferti-irrigation

1.	Details of treatment effluent before Ferti-irrigation	NA
2.	Command area for irrigation (available land area)	NA
3.	System for dilution of treated effluent required for ferti-irrigation	NA
4.	System of transportation of treated effluent upto field.	NA
5.	Formal agreements with farmers for using treated effluent	NA
6.	Storage facility available for treated effluent during low demand period	NA

× [illegible] capacity of ETP for [illegible] secondary clarifier.

7.	Quality of effluent being used for ferti-irrigation	NA
8.	Ground water monitoring network	Available
C: Air Pollution and its Control		
1.	Sources of Air Pollution	Boiler – ~~2~~ 1 (~~70~~ TPH) NG
2.	➢ Type of Fuel used with consumption	Bagasse 30 TPH
3.	➢ Stack details	60M
4.	➢ APCS details	1. Venturi wet scrubber – 1
5.	Samples collections points (if collected)	~~**PM** (mg/Nm^3): 129~~ Post hole

Nawin Chandra Duggapal Duggapal

S. S. Singh, AEE, UPPCB.

Submitted on 5.9.2014

I

For Sugar Unit

A: General Information		
1.	Name of the unit and address	Simbhaoli Sugars Ltd Unit-Brijnathpur Hapur-Bulandsheer Road Brijnathpur Hapur-245101
2.	Name of the Proprietor/ Contact person - Designation Contact No.	Shri Parmender Singh(GM) 0122-2953458 Mr. P.S. Chauhan - 98377.81148
3.	Year of Commissioning.	2006
4.	Sector	Public
5.	Production details. • Products • Installed Prod. Cap • Operating capacity	Crystal Sugar 3000TCD 3000TCD
6.	Cane crushing capacity	3000TCD
7.	Cane crushed last year	5391549.60Qtls.
8.	Molasses generation	240085.00Qtls.
9.	Press Mud generation	4.5% on cane €
10.	Operational status	1. Closed due to off season(cane) 30th April As per RT B(C)
B: Water Pollution and its Control:		
1.	Water Supply Source(s)	1. Tube well – 2 €
	Water Consumption (KLD)	Industrial: 3000m3
		Domestic: 14m3
2.	Water Meter to show consumption	Available
3.	Flow measuring device installed at outlet of ETP	Available
4.	Waste Water generation (KLD) (before treatment) ➢ Industrial ➢ Domestic	300KL/D 80%. (Septic tank, Soak pit)

During inspection main production unit of the mill was locked. As per the information of mill representative, the locking is being done as per the decision of Sugar Mill Association.

6.	Details of ETP ➢ ETP Description with flow diagram ➢ Details of Reverse Osmosis plant, if any ➢ Details of Multi Effect Evaporator, if any	Enclosed Spent wash → Lagoon → Digestor (Acid phase · Methane phase) → Meth … Gas engine … Bio … Lagoon → Bio Compost - - As mentioned overleaf (400-450 m³/h)
7.	Waste water discharged (after treatment)(KLD) ➢ Industrial Domestic	~~Zero discharge~~ Lagoon, Provision also exist for discharge in Kadarabad drain) × NIL NIL
8.	Mode of disposal of treated effluent (Details)	On land/ Surface water :- Zero discharge Bio-composting
9.	Sample distributed into no. of parts (2/3)	
10.	Sludge disposal mode	N.A Bio Compost - Farmers on subsidised rate
11.	Effluent collection locations & analysis results (if collected) N/A	(see below)

Locations	Parameters			
	pH	BOD (mg/l)	COD (mg/l)	TSS (mg/l)
Outlet	~~7.70~~	~~5020~~	~~15500~~	~~1260~~
Others				

(I) Information regarding Bio-composting

1.	Active area for bio compost preparation **(m²)**	17.57 acre
2.	Area for press mud storage **(m²)**	3.0acre
3.	Area for bio compost storage **(m²)**	Equivalent to 33% of total production of finished product/annum (approx 10.0acre)
4.	Spent wash storage capacity	20,000+16000=36,000KL
5.	Availability of pressmud	232000Qtls
6	Quantity of compost prepared (Monthly statement of last year)	-Enclosed
7.	Quantity of pressmud procured (Monthly statement)	-Enclosed
8	Details of wind roses (Number, length, height, width of stacking, space between two wind rose)	Number-30nos,space between two wind rose:-1.0M Length-200M Height-1.25M

× discharge drain starts from the pumping facility of ETP for tertiary treatment & Secondary clarifier.

		Width-3.0M
9.	Quantity of Effluent being used for composting (m^3/day) :	~~300~~KLPD 270
10.	Quantity of press mud being used for one cycle	50000Qtls
11.	Maturity time in days for one cycle	60day
12.	Arrangement for rainy season	(x) Spent wash stored in lagoon (x) No arrangement for ready Bio-compost
13.	Quality of ground water in the area and depth of ground water table	NA 20-25 feet
(II) Information regarding Ferti-irrigation		
1.	Details of treatment of spent wash (details of bio methanisation, primary and secondary treatment)	NA
2.	Command area for irrigation (available land area)	NA
3.	System for dilution of treated effluent required for ferti-irrigation	NA
4.	System of transportation of treated effluent upto field.	NA
5.	Formal agreements with farmers for using treated effluent	NA
6.	Storage facility available for treated effluent during low demand period	NA
7.	Quality of effluent being used for ferti-irrigation	NA
8.	Ground water monitoring network	Available
C: Air Pollution and its Control		
1.	Sources of Air Pollution	Boiler – 1 15 Ton PH
2.	➢ Type of Fuel used with consumption	Bagasse+Bio gas(~~60%+40%~~) NG 20 TPD, 2000-2500 m³/day
3.	➢ Stack details	45M
4.	➢ APCS details	1. Dust collector – one. (Twin cyclone) 2. 3. 4.
5.	Samples collections points (if collected)	~~PM (mg/Nm³): 117.0~~ Yes Port hole exist for sampling

N. C. Dwivedi [signature] S. S. Singh, AEE, UPPCB

ngrba.cpcb@gmail.com Distillery Format modified considering NGT directions Submitted on 5.9.14

(x) It was observed during the inspection that ready ~~by-chon Bio-Compost~~ & press mud are laying in the open.

~~It was also seen~~ NG

~~Bene... sludge in the ... ditch/pit adjacent to lagoon adjacent ...~~

For Sugar Unit

A: General Information		
1.	Name of the unit and address	Simbhaoli Sugars Limited (Unit:SimbhaoliSugar) P.O. Simbhaoli Distt. Hapur (U.P.) PIN-245207
2.	Name of the Proprietor/ Contact person – Designation Contact No.	Mr. Karan Singh (Chief General Manager) (05731) 223117-18/223039, Mr. Manoj Goel SDGM(E) 9837790984
3.	Year of Commissioning.	1933
4.	Sector	Limited co. in Private Sector
5.	Production details. • Products • Installed Prod. Cap • Operating capacity	 White Crystal Sugar 10000TCD 10000TCD
6.	Cane crushing capacity	10000 TCD
7.	Cane crushed last year	11126088.12 Qtls. (season 2013-2014)
8.	Molasses generation	475280 Qtls. (season 2013-2014)
9.	Press Mud generation	4.68% on sugarcane crushed (season 2013-2014)
10.	Operational status	Closed by own due to Off-Season 26.4.2014 As per RTBC(C)
B: Water Pollution and its Control:		
1.	Water Supply Source(s)	Tube wells – 4
	Water Consumption (KLD)	Industrial: 10000 K.L./day Maximum Domestic: 300 K.L./day MAX.
2.	Water Meter to show consumption	Available
3.	Flow measuring device installed at outlet of ETP	Available
4.	Waste Water generation (KLD) (before treatment) ➢ Industrial ➢ Domestic	 1000K.L./Day Maximum 70 K.L./Day (Septic tank, Soak Pit)

During inspection main production unit of the mill was locked, it was informed by the mill representative that the locking is being done as per the decision of Sugar Mill Association.

5.	Waste Water treatment capacity (KLD) ➢ Industrial ➢ Domestic	4560 KLD. —
6.	Details of ETP ➢ ETP Description with flow diagram	Bar screen → oil& grease traps → Eq. Tank → Primary clarifier → Aeration chamber → Secondary clarifier → carbon& sand filter → V-notch. Sludge drying beds for drying primary and secondary clarifier's sludge. Activated Sludge process with Extended Aeration followed by Carbon & Sand filter has been installed for the treatment of industrial effluent.
	➢ Details of Reverse Osmosis plant, if any	N.A.
	➢ Details of Multi Effect Evaporator, if any	N.A,
7.	Waste water discharged (after treatment)(KLD) ➢ Industrial Domestic	1000 K.L/Day Maximum for irrigation purpose during season days. 70 K.L. /D
8.	Mode of disposal of treated effluent (Details)	On land / Storage Lagoons for use in irrigation purpose in the adjoining areas
9.	Sample distributed into no. of parts (2/3)	Two parts.
10.	Sludge disposal mode	The sludge obtained from E.T.P. is dried on Sludge drying beds and ~~used as landfill~~ or as filler material mixed with press mud for Bio-composting processing in the Distillery.

11.	Effluent collection locations & analysis results (if collected)	**Locations**	**Parameters**			
			pH	**BOD (mg/l)**	**COD (mg/l)**	**TSS (mg/l)**
		Outlet (CPCB Lab)	~~7.5~~ 7.24	~~16~~ 65	~~50~~ 135	~~20~~ 42
		~~Others~~ (SGS Lab)	6.7	27	76	46

(I) Information regarding Ferti-irrigation		
1.	Details of treatment effluent before Ferti-irrigation	Activated Sludge process with Extended Aeration followed by Carbon & Sand filter has been installed for the treatment of industrial effluent.
2.	Command area for irrigation (available land area)	150 hectare
3.	System for dilution of treated effluent required for ferti-irrigation	N.A.

4.	System of transportation of treated effluent upto field.	Treated effluent is disposed in to storage lagoons out side of owned by factory factory premises. It is either pumped or drawn through opening in the lagoon wall to neighboring field of farmers.
5.	Formal agreements with farmers for using treated effluent	Yes
6.	Storage facility available for treated effluent during low demand period	Brick lined lagoons with capacity of 15000 cubic meters. Storage capacity for 15 days.
7.	Quality of effluent being used for ferti-irrigation	Ph 7.6,T.S.S. 20 mg/l, T.D.S. 780 mg/l, C.O.D. 50 mg/l, B.O.D. 16mg/l. → April, 2014
8.	Ground water monitoring network	(Available /Not available) Yes. Detailed report provided
C: Air Pollution and its Control		
1.	Sources of Air Pollution	BOILERS — 3, 40, 77, 110 TPH Standby
2.	➢ Type of Fuel used with consumption	Bagasse 1925 M.T./Day
3.	➢ Stack details	Height 52 meters, (110 + 77) 40 → Applied
4.	➢ APCS details	1. ESP & Multi-Cyclone (110) (77, 40) type dust collector is installed with our boilers.
5.	Samples collections points (if collected)	~~RM (mg/Nm^3): 134 mg/NM3~~ N/A

Navin Chandra Durgapal

S. S. Singh, AEE, UPPCB, Ghaziabad

Submitted on - 5.9.14

8/4

For Distillery Unit

A: General Information		Inspection date - 01.09.2014
1.	Name of the unit and address	MODI DISTILLERY (Modi ind. Ltd.) MODINAGAR. Distt : Ghaziabad. Pin : 201204
2.	Name of the Proprietor/ Contact person – Designation Contact No.	Modi Industries Ltd. Mukesh Sharma—General Manager (Plant) 9219440607 / 09219657706
3.	Year of Commissioning.	September 1959
4.	Sector	Public Ltd.
5.	Production details. • Products • Installed Prod. Cap. • Consented Prod. Cap • Restricted Prod. Cap.	Rectified Spirit 4842 KL Per Annum 4842 KL Per Annum
6.	Raw materials & their requirement	Molasses-21000 MT Per year ~~Bottle~~ Plastic bottle, Glass bottle (App. 1200) Alcohol – App 0.8 KLD (Procured from Punjab only) ~~Bottling~~ Bottling – 1.8 KLD
7.	Operational status	Non operational due to rainy season (Distillation) Since ~~25~~ 16th June, 2014 as verified by Excise Deptt.

B: Water Pollution and its Control:			
1.	Water Supply Source	Bore well 40 HP 2 Nos installed	
	Water Consumption (KLD)	Industrial	9000 Ltrs per hour
		Domestic	8000 Ltrs per day
2.	Water Meter to show consumption	Available & log book maintained	
3.	Flow measuring device installed at outlet of ETP	~~Available at ETP~~ ~~V-Notch~~ — ZLD ~~Waste~~ Spent wash generation - Flow meter installed	
4.	Waste Water generation (KLD) (before treatment) ➢ Industrial ➢ Domestic	~~Waste water generation from bottling plant only.~~ (App 1.0 KLD) on 1.9.2014 200 KL PER DAY 8 KL PER DAY	
5.	Waste Water treatment capacity (KLD) ➢ Industrial ➢ Domestic	225 KL Per day → 217 KL/Day 8 KL/Day - Septic tank & Sugar ETP	

Concentration after R.O. → Approx - 130 KL X 6
= 78 KL/Ddy

Direct 170 - 78 = 92 KL/Ddy.

5.	Waste Water treatment capacity (KLD) ➢ Industrial ➢ Domestic	500 KLD
6.	Details of ETP ➢ ETP Description with flow diagram ➢ Details of Reverse Osmosis plant, if any ➢ Details of Multi Effect Evaporator, if any	Activated sludge process flow sheet attached. Spentwash – Chiller → Acid phase → Digester → Gas holder. Digester → Lagoon → Bio Compost Lagoon → RO → reject RO → Spray pond (Sugar unit)
7.	Waste water discharged (after treatment)(KLD) ➢ Industrial Domestic	Added two Venturi Scrubber tanks a balance as make up water in spray pond waste water from bottling plant discharged into lagoon
8.	Mode of disposal of treated effluent (Details)	~~As above~~ Overflow of Spray Pond → Nagar Palika Drain → Kadraghad Drain → Kali River → Ganga
9.	Sample distributed into no. of parts (2/3)	
10.	Sludge disposal mode	Mixed in filter cake at bio-compost plant

11.	Effluent collection locations & analysis results (if collected) (Analysis report enclosed) No sample collected since generating waste water from bottling plant discharged into lagoon	**Locations**	**Parameters**			
			pH	**BOD (mg/l)**	**COD (mg/l)**	**TSS (mg/l)**
		Outlet	~~7.5~~	~~24~~	~~193.2~~	~~90~~
		Others				

(I) Information regarding Ferti-irrigation - NA		
1.	Details of treatment effluent before Ferti-irrigation	
2.	Command area for irrigation (available land area)	
3.	System for dilution of treated effluent required for ferti-irrigation	
4.	System of transportation of treated effluent upto field.	
5.	Formal agreements with farmers for using treated effluent	
6.	Storage facility available for treated effluent during low demand period	

7.	Quality of effluent being used for ferti-irrigation	
8.	Ground water monitoring network	(Available /~~Not available~~)
C: Air Pollution and its Control		
1.	Sources of Air Pollution	
2.	➢ Type of Fuel used with consumption	Bagasse 45 TPH
3.	➢ Stack details	Stack no. 1- dia 2.3 mtr x 30.5 mtr height Stack no. 2 – dia 3.33 mtr x 40.0 mtr ht.
4.	➢ APCS details	1. Venturi type wet scrubber for a cap. Of 35 tons for each (3 nos.) boiler separately. 2. Venturi type wet scrubber for a cap. Of 25 tons for boiler no 4 Which is not in operation. 3. 4.
5.	Samples collections points (if collected)	**PM** (mg/Nm^3): Stack 1. 135 mg/Nm^3/day Stack 2. 129 mg/Nm^3/day

Inspection done by – (1) Nanin Chandra Duggapal, Sc 'D', CPCB, Delhi.
(1) Rohit Singh
AEE, UPPCB, Ghaziabad

Report submitted on: 5.9.2014

For Distillery Unit

A: General Information		
1.	Name of the unit and address	Simbhaoli Sugars Ltd Unit-Brijnathpur, Hapur-Bulandsheer Road Brijnathpur Hapur-245101
2.	Name of the Proprietor/ Contact person – Designation Contact No.	Shri Parmender Singh(GM) 0122-2953458 Mr. P. S. Chauhan – 98377 81148
3.	Year of Commissioning.	2007
4.	Sector	Public
5.	Production details. • Products • Installed Prod. Cap. • Consented Prod. Cap • Restricted Prod. Cap.	ENA,RS,Ethanol (Extra Neutral Alcohol Rectified Spirit) 60KL/D 30KL/D 30KL/D
6.	Raw materials & their requirement	Molasses 368182Qtls/Annum ,1363Qtls/day (2013-14)
7.	Operational status	1. Non operational due to rainy season Since 17th July, 2014 (As per the letter to Excise Deptt.) (Expected operation October, 2014)
B: Water Pollution and its Control:		
1.	Water Supply Source Water Consumption (KLD)	Tube well – 1 HP - 20 Industrial: 300M3 Domestic: 14M3
2.	Water Meter to show consumption	Available
3.	Flow measuring device installed at outlet of ETP	Available
4.	Waste Water generation (KLD) (before treatment) ➢ Industrial ➢ Domestic	Raw 30m3/d (10x3) 300M3 1KL - 10KL wastewater Spentwash 14M3
5.	Waste Water treatment capacity (KLD) ➢ Industrial ➢ Domestic	:- 720m3/day (Bio methanization) :- Bio-composting :- N.A (Soak pit, Septic tank)

6.	Details of ETP ➢ ETP Description with flow diagram ➢ Details of Reverse Osmosis plant, if any ➢ Details of Multi Effect Evaporator, if any	ENCLOSED Cap. 300 KL PER DAY NA
7.	Waste water discharged (after treatment)(KLD) ➢ Industrial Domestic	Zero Discharge
8.	Mode of disposal of treated effluent (Details)	Zero Discharge
9.	Sample distributed into no. of parts (2/3)	N/A
10.	Sludge disposal mode	After drying beds sent to Bio Compost
11.	Effluent collection locations & analysis results (if collected)	N.A.

Locations	Parameters			
	pH	BOD (mg/l)	COD (mg/l)	TSS (mg/l)
Outlet				
Others				

(I) Information regarding Bio-composting		
1.	Active area for bio compost preparation **(m^2)**	**23147.839**
2.	Area for press mud storage **(m^2)**	4050 square meter
3.	Area for bio compost storage **(m^2)**	1620
4.	Spent wash storage capacity	6820 KL
5.	Availability of pressmud	30000 MT From Sugar
6.	Quantity of compost prepared (Monthly statement of last year)	1380 MT Per month
7.	Quantity of pressmud procured (Monthly statement)	12500 MT
8.	Details of wind roses (Number, length, height, width of stacking, space between two wind rose)	19 Windrows 225 Mtr each 5 Windrows 30 Mtr each Ht 1.0 mtr, Width 3.0 Mtr,Gap - 1.0 Mtr
9.	Quantity of Effluent being used for composting (m^3/day) :	170

Remarks : During inspection ready Bio Compost were found lying in open.
Presence of dried sludge in the unlined ditch / pit adjacent to lagoon was noticed.

10.	Quantity of press mud being used for one cycle	4000 MT
11.	Maturity time in days for one cycle	60
12.	Arrangement for rainy season	~~Ready compost shifted to Shade yard~~ NG Shades exist but are poorly maintained.
13.	Quality of ground water in the area and depth of ground water table	Latest analysis report from approved lab enclosed. NG Report provided by the Unit for Sugar / distillery premises.
(II) Information regarding Ferti-irrigation ---NA		
1.	Details of treatment of spent wash (details of bio methanisation, primary and secondary treatment)	—
2.	Command area for irrigation (available land area)	—
3.	System for dilution of treated effluent required for ferti-irrigation	—
4.	System of transportation of treated effluent upto field.	—
5.	Formal agreements with farmers for using treated effluent	—
6.	Storage facility available for treated effluent during low demand period	—
7.	Quality of effluent being used for ferti-irrigation	—
8.	Ground water monitoring network	(Available /Not available)
C: Air Pollution and its Control		
1.	Sources of Air Pollution	
2.	➢ Type of Fuel used with consumption	Partially Baggass and approx. 98 % Bio Gas utilized to generate steam whenever We operate our boiler. Generally steam and power are utilized from Sugar Plant
3.	➢ Stack details	01 No. 30 meter
4.	➢ APCS details	1. Multi cyclone dust collector – 3 No. 2. Monitoring arrangement installed 3. 4.
5.	Samples collections points (if collected)	**PM** (mg/Nm^3): Sample point is at the top of the Stack 30 mtr above from ground floor.

Inspection done by : (i) Navin Chandra Durgapal, Sc 'D', CPCB, Delhi NDurgapal
(ii) Rohit Singh, AEE, UPPCB, Ghaziabad.

@ Report submitted on — 5.9.14

CENTRAL POLLUTION CONTROL BOARD
NGRBA Cell
Joint inspection Report: Distillery

Date of Inspection: 01.09.2014

A: General Information		
1.	Name of the unit and address	~~Shri~~. M/s Mohan Meakin Ltd. Mohan Nagar, Ghaziabad
2.	Name of the Proprietor/ Contact person – Designation Contact No.	Shri Harish Dutta Distiller cum production Coordinator 9313293217
3.	Year of Commissioning.	1961
4.	Sector	Cooperative/Public/Private
5.	Production details. • Products • Installed Prod. Cap. • Consented Prod. Cap • Restricted Prod. Cap.	~~Approx 36000 Lit/Day~~ Packaging of Approx 36000 Lit/Day (for 5 Chains) → ~~In one Cha~~
6.	Raw materials & their requirement	→ Bottles, (Spirit (ENA) Approx - ~~42000~~ Liquor 42.8% → Spirit
7.	Operational status	1. Operating - Only Bottling & Distillation Unit Closed since 2007. 2. Non operational due rainy season 3. Closed by direction 4. Closed by own
B: Water Pollution and its Control:		Borewell of 20HP 2No installed in factory Bcom
1.	Water Supply Source	→ 40 HP - 1 No. 20HP - 1No & ~~Ga~~ water meter installed (Underground bed)
	Water Consumption (KLD)	Industrial → Process - 460, Cooling 166 (Brewery ~~& Allied~~ Liquor bottling & Breakfast)
		Domestic → P 166 (Brewery & Distille Unit)
2.	Water Meter to show consumption	Available / Not available
3.	Flow measuring device installed at outlet of ETP	Available / ~~Not available~~ V Notch PDZ
4.	Waste Water generation (KLD) (before treatment) ➢ Industrial ➢ Domestic	→ 50 KLD ~~fo~~ from bottle washing 60% Reused & 40% to ETP → 170 X 30 ≈ 5100 ≈ 5KLD
5.	Waste Water treatment capacity (KLD) ➢ Industrial ➢ Domestic	→ 600 M³/Day → Septic tank & Soak Pit for Bottling tank

Bottle washing - 10kl/D for one ~~ch~~ line
Approx 50kl/D for Bottle washing
Let to the ETP

Bottling Plant + Breakfast + Brewery
2

6.	Details of ETP ➢ ETP Description with flow diagram ➢ Details of Reverse Osmosis plant, if any ➢ Details of Multi Effect Evaporator, if any	→ Collection tank → P.S.T. → A.T.(1) → P.S.T.(1) → A.T.(2) → P.C.(3) → Holding tank → fertigation to land N.A. Airforce. N.A.
7.	Waste water discharged (after treatment)(KLD) ➢ Industrial Domestic	→ 9.2 m^3/hr. (at the time of inspection) 2 hour 20 minutes → 15 HP motors to Hindon Airforce. 8 hour → 7.5 HP motors for irrigation in Guest premises
8.	Mode of disposal of treated effluent (Details)	On land/ Surface water on land for fertigation
9.	Sample distributed into no. of parts (2/3)	Two
10.	Sludge disposal mode	→ ~~for~~ Used as manure in premises.
11.	Effluent collection locations & analysis results (if collected) Sample collected from ETP out let that received waste water from bottling plant, Breakfast products unit, Brewery etc.	

Locations	Parameters			
	pH	BOD (mg/l)	COD (mg/l)	TSS (mg/l)
Outlet (CCPCB Lab)	8.27 ✓	10 ✓	34 ✓	14 ✓
~~Others~~ (CSGS Lab)	7.7	13	35	19

(I) Information regarding Bio-composting		
1.	Active area for bio compost preparation **(m^2)**	N.A
2.	Area for press mud storage **(m^2)**	
3.	Area for bio compost storage **(m^2)**	
4.	Spent wash storage capacity	
5.	Availability of pressmud	
6.	Quantity of compost prepared (Monthly statement of last year)	
7.	Quantity of pressmen procured (Monthly statement)	
8.	Details of wind roses (Number, length, height, width of stacking, space between two wind rose)	
9.	Quantity of Effluent being used for composting (m^3/day) :	

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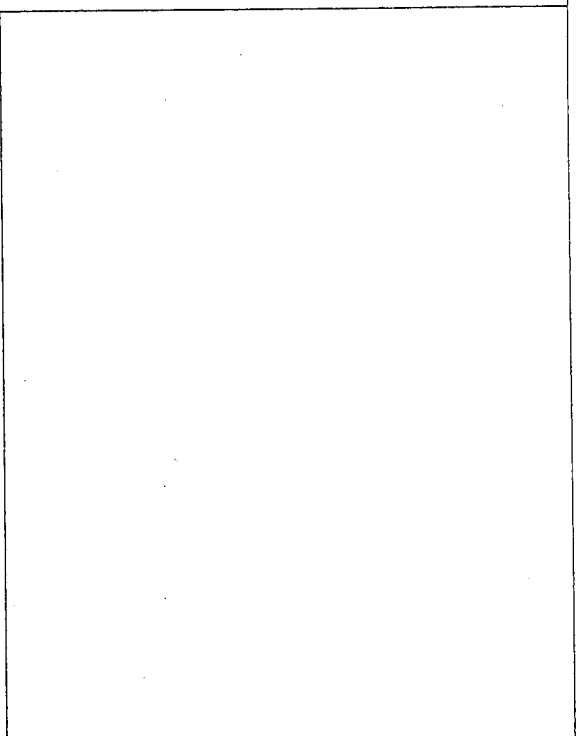
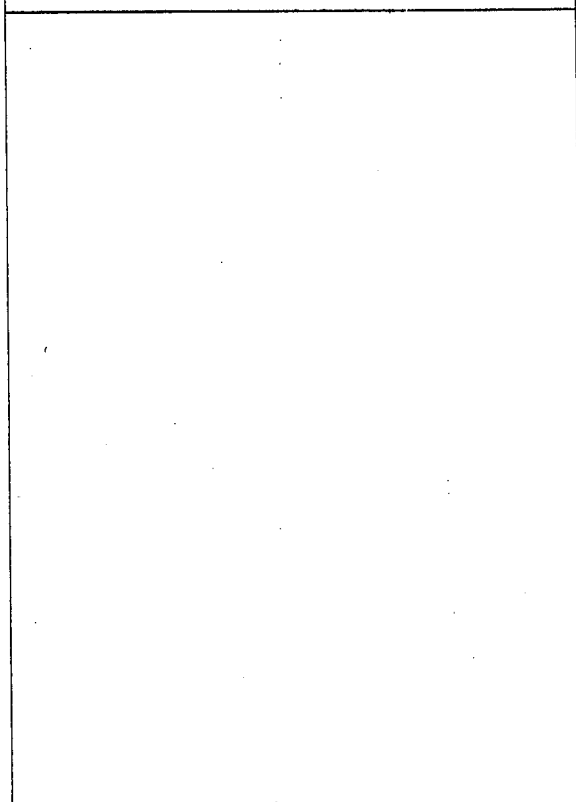
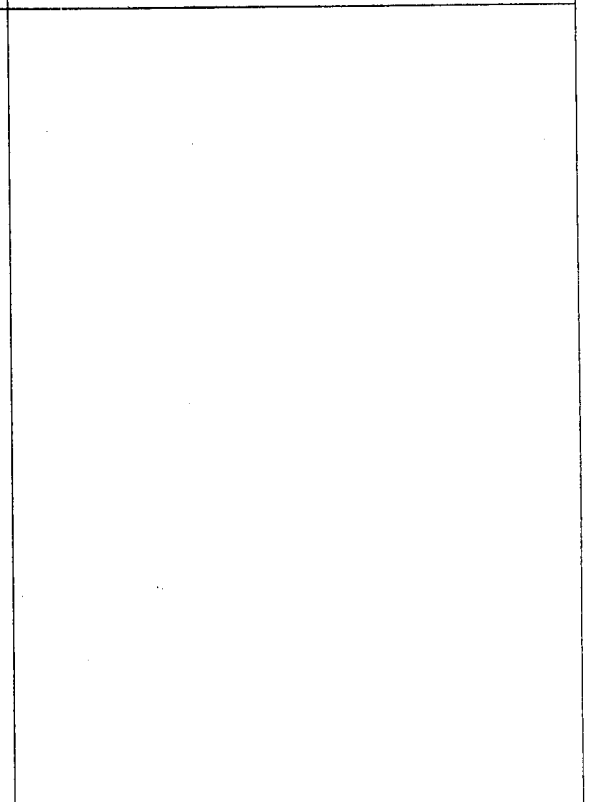
10.	Quantity of press mud being used for one cycle	
11.	Maturity time in days for one cycle	
12.	Arrangement for rainy season	
13.	Quality of ground water in the area and depth of ground water table	Analysis data ~~enclosed~~ provided by the unit. Depth - App. 60 foot.
(II) Information regarding Ferti-irrigation		
1.	Details of treatment of spent wash (details of bio methanisation, primary and secondary treatment)	X
2.	Command area for irrigation (available land area)	100 Acre
3.	System for dilution of treated effluent required for ferti-irrigation	
4.	System of transportation of treated effluent upto field.	Through Lifting Pump 15 H.P. - 1 No. for Hindon 7.5HP - 2 No. for irrigation inside the A.F.
5.	Formal agreements with farmers for using treated effluent	With Premises Hindon Air force.
6.	Storage facility available for treated effluent during low demand period	
7.	Quality of effluent being used for ferti-irrigation	
8.	Ground water monitoring network	(Available /Not available)
C: Air Pollution and its Control		
1.	Sources of Air Pollution	
2.	➢ Type of Fuel used with consumption	
3.	➢ Stack details	
4.	➢ APCS details	1. 2. 3. 4.
5.	Samples collections points (if collected)	**PM** (mg/Nm^3):

93

Photographs indicating locations:	
3.2″ x3.2″ Pic 1: Entry of unit	 Pic 2: ETP (at least 1)
 Pic 3: Compost Yard	 Pic 4: RO & MEE

Pic: 5 Chimney (All visible)	Pic 6: Discharge points

E. Route of effluent to reach river Ganga/Yamuna
(Please indicate starting from the outlet drain of the unit)

Storm water drain passing from the side of heated water pump. → Mohan Meakin drain/pipe → Hindon River. (Not reaching due to damaged line)
→ to Low lying areas.

1	Name of officials inspecting	Name & Designations	Signature
	(i)	Navin Chandra Dimri Sc 'D', CPCB, Delhi	
	(ii)	Rohit Singh, UPPCB, AEE Ghaziabad	
2	Date of report Submission	5.9.2014	

CENTRAL POLLUTION CONTROL BOARD
NGRBA Cell

Joint inspection Report: Distillery

Date of Inspection: 01.09.2014

A: General Information		
1.	Name of the unit and address	M/s Ghaziabad Organics Ltd. Bhojpur, Modi Nagar
2.	Name of the Proprietor/ Contact person - Designation Contact No.	Manish Mehra - Phone - ~~98~~ 98378 71322 Concerned person (technical) not available
3.	Year of Commissioning.	
4.	Sector	Cooperative/Public/Private
5.	Production details. • Products • Installed Prod. Cap. • Consented Prod. Cap • Restricted Prod. Cap.	~~Spirit~~ Liquor → 50 KLD
6.	Raw materials & their requirement	
7.	Operational status	1. Operating 2. Non operational due rainy season 3. Closed by direction 4. Closed by own, from 2011
B: Water Pollution and its Control:		
1.	Water Supply Source	
	Water Consumption (KLD)	Industrial: Ground water Domestic: "
2.	Water Meter to show consumption	Available / Not available
3.	Flow measuring device installed at outlet of ETP	Available / Not available
4.	Waste Water generation (KLD) (before treatment) ➢ Industrial ➢ Domestic	—
5.	Waste Water treatment capacity (KLD) ➢ Industrial ➢ Domestic	—

6.	Details of ETP ➢ ETP Description with flow diagram ➢ Details of Reverse Osmosis plant, if any ➢ Details of Multi Effect Evaporator, if any	UASB (2 nos.) → Digester → Lagoon → Bio Compost Yes. No
7.	Waste water discharged (after treatment)(KLD) ➢ Industrial Domestic	—
8.	Mode of disposal of treated effluent (Details)	On land/ Surface water N/A
9.	Sample distributed into no. of parts (2/3)	—
10.	Sludge disposal mode	Bio Composted.
11.	Effluent collection locations & analysis results (if collected) N/A	**Locations** / **Parameters**: pH, BOD (mg/l), COD (mg/l), TSS (mg/l) **Outlet** **Others**
(I) Information regarding Bio-composting		
1.	Active area for bio compost preparation **(m^2)**	
2.	Area for press mud storage **(m^2)**	—
3.	Area for bio compost storage **(m^2)**	
4.	Spent wash storage capacity	
5.	Availability of pressmud	—
6.	Quantity of compost prepared (Monthly statement of last year)	
7.	Quantity of pressmen procured (Monthly statement)	
8.	Details of wind roses (Number, length, height, width of stacking, space between two wind rose)	
9.	Quantity of Effluent being used for composting (m^3/day) :	—

10.	Quantity of press mud being used for one cycle	—
11.	Maturity time in days for one cycle	—
12.	Arrangement for rainy season	Lagoon —
13.	Quality of ground water in the area and depth of ground water table	
(II) Information regarding Ferti-irrigation		
1.	Details of treatment of spent wash (details of bio methanisation, primary and secondary treatment)	
2.	Command area for irrigation (available land area)	N
3.	System for dilution of treated effluent required for ferti-irrigation	N
4.	System of transportation of treated effluent upto field.	
5.	Formal agreements with farmers for using treated effluent	
6.	Storage facility available for treated effluent during low demand period	
7.	Quality of effluent being used for ferti-irrigation	
8.	Ground water monitoring network	(Available /Not available) —
C: Air Pollution and its Control		
1.	Sources of Air Pollution	
2.	➢ Type of Fuel used with consumption	—
3.	➢ Stack details	– Connected with 2 cyclones
4.	➢ APCS details	1. 2. 3. 4.
5.	Samples collections points (if collected)	**PM** (mg/Nm^3): —

Photographs indicating locations:	
3.2" x3.2" Pic 1: Entry of unit	Pic 2: ETP (at least 1)
Pic 3: Compost Yard	Pic 4: RO & MEE

Pic: 5 Chimney (All visible)	Pic 6: Discharge points

E. Route of effluent to reach river Ganga/Yamuna
(Please indicate starting from the outlet drain of the unit)

Source → Lagoon → Bio Composting.

1	Name of officials inspecting	Name & Designations	Signature
	(i)	Naveen Chandra Durgapal.	
		Sc 'D', CPCB, Delhi.	
	(ii)	Rohit Singht, AEE	
		UPPCB, Ghaziabad.	
2	Date of report Submission	5.9.2014	

For Distillery Unit

A: General Information		
1.	Name of the unit and address	Simbhaoli Spirits Limited P.O. Simbhaoli Distt. Hapur (U.P.) PIN-245207
2.	Name of the Proprietor/ Contact person – Designation Contact No.	R.K. Singh (C.G.M.) Mob.No. 09927200836 P.S. Chauhan G.M.(W) Mob.No. 09837781148
3.	Year of Commissioning.	1943
4.	Sector	Limited Co. in Private Sector
5.	Production details. • Products • Installed Prod. Cap. • Consented Prod. Cap • Restricted Prod. Cap.	30 KLD (UPPCB) at the time of closure Alcohol 90 K.L. PD CPCB ~~30 KLD (UPPCB) at the time~~
6.	Raw materials & their requirement	Molasses 40 MT/Day(approximate) For 90 KLPD of Alcohol
7.	Operational status	Closed ~~by direction~~ due to Consent rejection by UPPCB 24.2.14 As per letter to Excise Deptt.
B: Water Pollution and its Control:		
1.	Water Supply Source	Tube wells – 2
	Water Consumption (KLD)	Industrial: 2214 M^3/Day (maximum) Domestic: 50 M^3/Day
2.	Water Meter to show consumption	Available
3.	Flow measuring device installed at outlet of ETP	Available
4.	Waste Water generation (KLD) (before treatment) ➢ Industrial ➢ Domestic	1080 M^3/Day(maximum) 50 M^3/Day & Septic tank & Soak pit)

Digestor → Lagoon No. 2 - series
↓
No 3 -
RO MEE → Concentrate
↓
Lagoon
Bio
Comp

RO → Cooling tower 'Gardening'

5.	Waste Water treatment capacity (KLD) ➢ Industrial ➢ Domestic	Anaerobic digester-3 Nos.(375+650+550 K.L. RSW /Day), Reverse Osmosis Plant 720 m3/day, Multi-Effect Evaporator 720 m3/day ,BIO-composting plant. — Generally RO is being used due to capacity restriction Soak pit/Septic Tank
6.	Details of ETP ➢ ETP Description with flow diagram ➢ Details of Reverse Osmosis plant, if any ➢ Details of Multi Effect Evaporator, if any	Distillery →cooling tower→ An. Digestors→ Lagoons→ R.O. /MEE→ Storage lagoons → Bio-composting plant. Sludge drying beds for drying of sludge.
7.	Waste water discharged (after treatment)(KLD) ➢ Industrial Domestic	Zero discharge, (use) in bio-composting.) 50 K.L./Day
8.	Mode of disposal of treated effluent (Details)	On land/ Surface water : ~~zero discharge~~ in Bio-composting.
9.	Sample distributed into no. of parts (2/3)	—
10.	Sludge disposal mode	The sludge obtained from E.T.P. /digestor is being used for manufacturing of good quality of Bio-manure in the Bio-composting process with the help of Sugar mills Press Mud and primary treated and concentrated effluent of Distillery. + ETP sludge from Sugar mill,

11.	Effluent collection locations & analysis results (if collected)	Locations	Parameters			
			pH	BOD (mg/l)	COD (mg/l)	TSS (mg/l)
	N/A	Outlet				
		Others				

(I) Information regarding Bio-composting

1.	Active area for bio compost preparation **(m^2)**	1 ha = 10,000m^2 Active area 16 Acres *1 acre = 0.4046863 h* *1 acre = 4046.825 m2*
2.	Area for press mud storage **(m^2)**	2 Acres
3.	Area for bio compost storage **(m^2)**	1200m2
4.	Spent wash storage capacity	20000 m3 (Lagoon, 3 60000 KL 20 each.
5.	Availability of press mud	50000 M.T.
6.	Quantity of compost prepared	17000 M.T.

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	(Monthly statement of last year)	
7.	Quantity of press mud procured (Monthly statement)	Press mud is being procured from our Sugar Unit.
8.	Details of wind roses (Number, length, height, width of stacking, space between two wind rose)	Plot A: L 150 M,W 3.0 M, H 1.5 M Plot B: L 125 M,W 3.0 M, H 1.5 M Plot D: L 185 M,W 3.0 M, H 1.5 M Space 3.0 meters
9.	Quantity of Effluent being used for composting (m^3/day) :	Bio-composting process stopped due to rainy season. 3 K.L./M.T of Press mud.
10.	Quantity of press mud being used for one cycle	13200 M.T.
11.	Maturity time in days for one cycle	45-60 days
12.	Arrangement for rainy season	A shade is made for storage of prepared bio-manure. Shade is ~~Press mud is being~~ covered ~~with Polythene during rainy season.~~ (X)
13.	Quality of ground water in the area and depth of ground water table	~~Detailed report~~ attached with Annexure. ~~sugar mill report~~ 20-25 feet.
(II) Information regarding Ferti-irrigation		
1.	Details of treatment of spent wash (details of bio methanisation, primary and secondary treatment)	N.A.
2.	Command area for irrigation (available land area)	N.A.
3.	System for dilution of treated effluent required for ferti-irrigation	N.A.
4.	System of transportation of treated effluent upto field.	N.A.
5.	Formal agreements with farmers for using treated effluent	N.A.
6.	Storage facility available for treated effluent during low demand period	N.A.
7.	Quality of effluent being used for ferti-irrigation	N.A.
8.	Ground water monitoring network	(Available /Not available): N.A.
C: Air Pollution and its Control		
1.	Sources of Air Pollution	7.5 TPH AND 10.5 TPH Boiler –
2.	➢ Type of Fuel used with	Bio-gas 40000 m3/day .

(X) During inspection the ready Bio Compost found covered with polythene which was not proper. Press mud, Lagoon sludge etc. are found lying in open.

	consumption	Bagasse 60 M.T. /DAY
3.	➢ Stack details	Height 52 meters, dia 2.4 meters.
4.	➢ APCS details	Bagasse fired boiler 7.5 TPH is equipped with Multi cyclone type dust collector.
5.	Samples collections points (if collected)	~~PM (mg/Nm^3): 43 mg/NM3~~ NA

~~Ash from boiler → 12% Capo of potato fillers~~ NA ~~...~~

Navin Chandra Durgapal [signature]

S. S. Singh, AEE, UPPCB

Submitted on 5.9.2014

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Central Pollution Control Board

Sub: Visit Report of the Units of Baghpat & Meerut

As per the office order no. B-190153/NGRBA/CPCB/2013-14/2035 dated 25.08.2014 and the discussions held in the chamber of MS on 29.08.2014, a team of officials from Head Office comprising of Shri Shriance Jain, Scientist 'D', Dr. Sananda Sinha, RA and Shri K.S. Rawat, JLA visited the following industries on 03.09.2014 under the project **"National Ganga River Basin Authority (NGRBA)"**:

1. M/s. Bagpat Cooperative Sugar Mills Ltd. Bagpat, Uttar Pradesh
2. M/s. Ramala Sahkari Chini Mill Ltd., Baraut, Bagpat, Uttar Pradesh
3. M/s. Bajaj Hindustan Limited (Sugar Unit), Kinauni - 850 502, Meerut, Uttar Pradesh
4. M/s. SBEC Sugar Limited, Village Layon, Mallakhpur, Baraut, Bagpat, Uttar Pradesh
5. M/s. Bajaj Hindustan Limited (Distillery Unit), Kinauni - 850 502, Meerut, Uttar Pradesh

The inspection reports are submitted for further necessary action please.

08/9/14

(Shriance Jain)
Team Leader

08/AS/2014
8/9/14

I/c. NGRBA Cell

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Central Pollution Control Board

Sub: Visit Report of the Units of Meerut

As per the office order no. B-190153/NGRBA/CPCB/2013-14/2035 dated 25.08.2014 and the discussions held in the chamber of MS on 29.08.2014, a team of officials from Head Office comprising of Shri Shriance Jain, Scientist 'D', Dr. Sananda Sinha, RA and Shri Girish Chand, Attendant visited the following industries on **10.09.2014 under the project "National Ganga River Basin Authority (NGRBA)":**

1. M/s. U. P. State Sugar Corporation Ltd. Unit - Mohiuddinpur, Meerut, Uttar Pradesh - 250 205
2. M/s. Nagar Nigam Pashuvadhshala, Ghoshipur, Meerut, U.P.

The inspection reports are submitted for further necessary action please.

(Shriance Jain)
Team Leader
10.09.2014

I/c. NGRBA Cell

CENTRAL POLLUTION CONTROL BOARD

NGRBA Cell

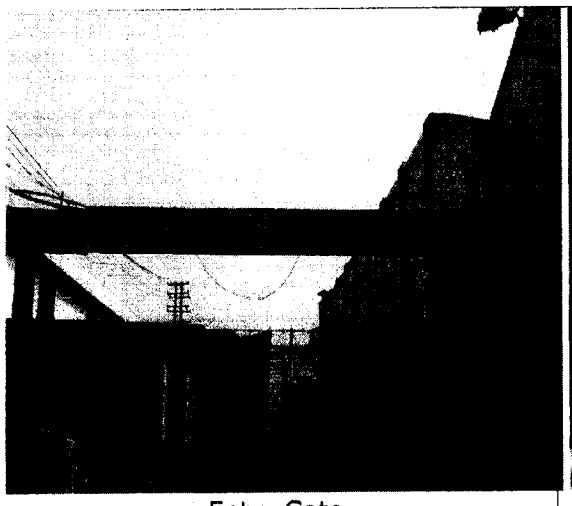
Joint inspection Report: Sugar

Date of Inspection: 10.09.2014

A: General Information			
1.	Name of the unit and address	M/s. U. P. State Sugar Corporation Ltd. Unit - Mohiuddinpur, Meerut, U.P. - 250 205	
2.	Name of the Proprietor/ Contact person – Designation Contact No.	Mr. Sheeshpal Singh, I/c. Chief Chemist 8954002210 mohsugar@gmail.com	
3.	Year of Commissioning.	1992-93	
4.	Sector	Corporation / Public	
5.	Production details. • Products • Installed Prod. Cap • Operating capacity	White Sugar 250 Ton/day on 10% recovery 2500 TCD	
6.	Cane crushing capacity	-	
7.	Cane crushed last year	3331374.60 Quintals	
8.	Molasses generation	168899.00 Quintals	
9.	Press Mud generation	75 ton/day	
10.	Operational status	Non operational	
B: Water Pollution and its Control:			
1.	Water Supply Source(s)	1. Tubewell (2-Operational +1 standby)	
	Water Consumption (KLD)	Industrial Domestic	780 KLD
2.	Water Meter to show consumption	Not available	
3.	Flow measuring device installed at outlet of ETP	Not available	
4.	Waste Water generation (KLD) (before treatment) ➢ Industrial ➢ Domestic	690 KLD	
5.	Waste Water treatment capacity (KLD) ➢ Industrial ➢ Domestic	1000 KLD Septic Tank	
6.	Details of ETP ➢ ETP Description with flow diagram ➢ Details of Reverse Osmosis plant, if any ➢ Details of Multi Effect Evaporator, if any	Annexure – I.	
7.	Waste water discharged (after treatment)(KLD) ➢ Industrial ➢ Domestic	670 KLD (Non Operational)	
8.	Mode of disposal of treated effluent (Details)	Surface Water.	

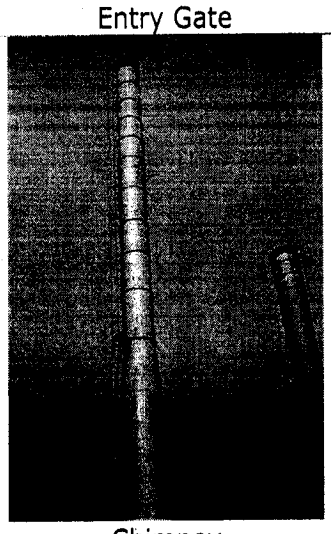
9.	Sample distributed into no. of parts (2/3)	N.A.				
10.	Sludge disposal mode	Used by farmers				
11.	Effluent collection locations & analysis results (if collected)	**Locations**	**Parameters**			
			pH	**BOD (mg/l)**	**COD (mg/l)**	**TSS (mg/l)**
		Outlet	-	-	-	-
		Others	-	-	-	-
(I) Information regarding Ferti-irrigation						
1.	Details of treatment effluent before Ferti-irrigation	-				
2.	Command area for irrigation (available land area)	-				
3.	System for dilution of treated effluent required for ferti-irrigation	-				
4.	System of transportation of treated effluent upto field.	-				
5.	Formal agreements with farmers for using treated effluent	-				
6.	Storage facility available for treated effluent during low demand period	-				
7.	Quality of effluent being used for ferti-irrigation	-				
8.	Ground water monitoring network	-				
C: Air Pollution and its Control						
1.	Sources of Air Pollution	Boilers – 3 nos. 25 tonnes/hr, 25 tonnes/hr and 30 tonnes/hr.				
2.	➢ Type of Fuel used with consumption	Bagasse – 750 Ton/day				
3.	➢ Stack details	2 stacks Both the Boiler of 25 tonnes/hr connected to one stack of height 30 m and 30 tonnes/hr boiler connected to another stack of height 40 m.				
4.	➢ APCS details	Multi cyclone				
5.	Samples collections points (if collected)	**N.A.**				

Photographs indicating locations:

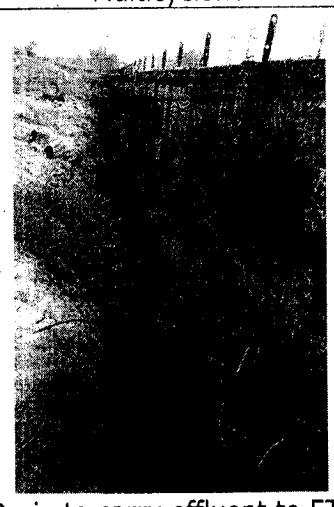


Entry Gate

Multicyclone



Chimney



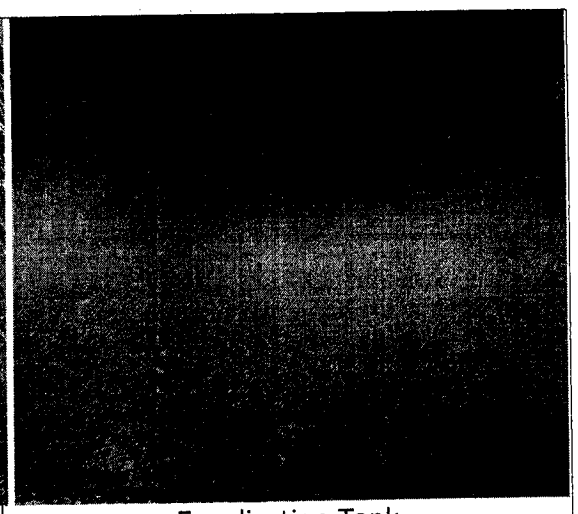
Drain to carry effluent to ETP

-

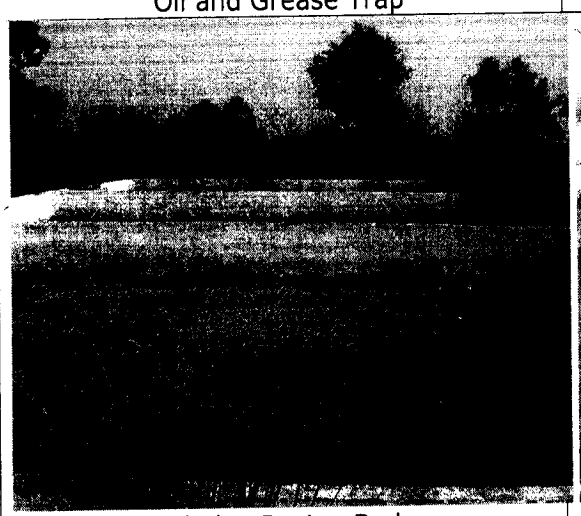
Pipe from industry to ETP after crossing drain

Inlet to ETP

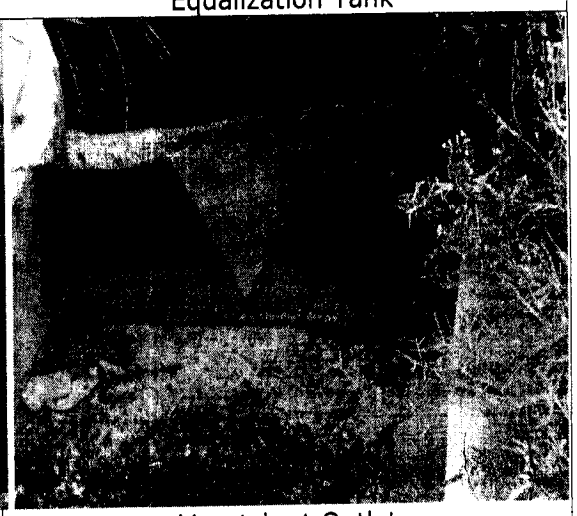
Oil and Grease Trap



Equalization Tank

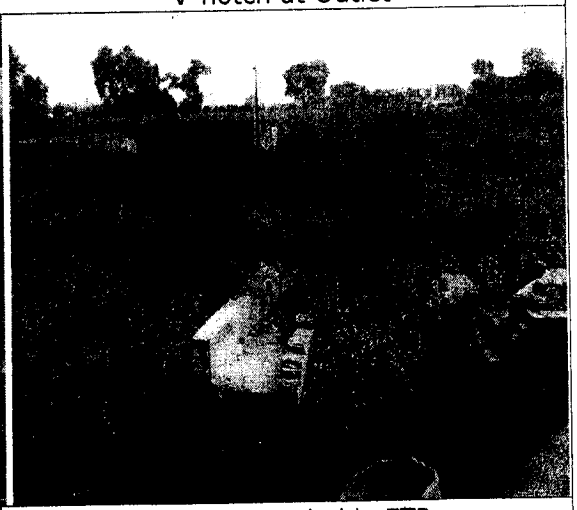


Sludge Drying Bed



V-notch at Outlet

Secondary Clarifier



Non Approachable ETP

E. Route of effluent to reach river Ganga/Yamuna
(Please indicate starting from the outlet drain of the unit)

Shekhpura drain → Kadrabad drain → Kali East River → River Ganga

Remarks :

1. The wild grass was observed all around the ETP area giving it the deserted look and was also not accessible.
2. No effluent was found being generated in the industry premises and ETP units were observed empty except rainy water.
3. Adequacy of pollution control system may be assessed once the industry resumes its operation.
4. No railings on ETP.
5. No attention given on maintenance of pollution control measures.
6. As per their information, effluent is used in irrigation by farmers.
7. Poor maintenance of the ETP.
8. As per the information given by the plant representative they had awarded the work for operation and maintenance of the entire sugar plant including ETP to a private party which will resume its work very soon.

1	Name of officials inspecting	Name & Designations	Signature
		Shri Shriance Jain, Sc. 'D', CPCB	
		Shri Ankit Singh, AEE, UPPCB, Meerut	
		Shri N.K. Tyagi, AEE, UPPCB, Meerut	
		Shri N.M. Tripathi, S.A. UPPCB, Meerut	
		Dr. Sananda Sinha, RA, CPCB	
		Shri Girish Chand, Attendant	
2	Date of report Submission	10.09.2014	

CENTRAL POLLUTION CONTROL BOARD

NGRBA Cell

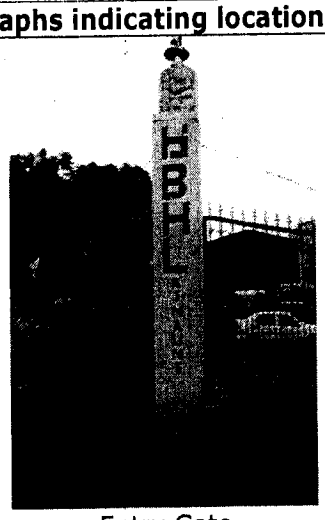
Joint inspection Report: Sugar

Date of Inspection: 05.09.2014

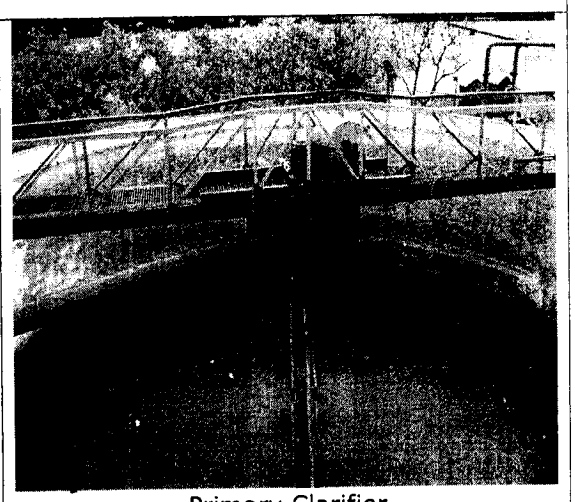
A: General Information		
1.	Name of the unit and address	M/s. Bajaj Hindustan Limited (Sugar Unit), Kinauni - 850 502, Meerut, Uttar Pradesh
2.	Name of the Proprietor/ Contact person – Designation Contact No.	Mr. K.P. Singh, Unit Head 0121-3290521
3.	Year of Commissioning.	November 2004
4.	Sector	Private
5.	Production details. • Products • Installed Prod. Cap • Operating capacity	 Sugar 12000 MT/day
6.	Cane crushing capacity	12000 TCD
7.	Cane crushed last year	137738.2 MT (2013-14)
8.	Molasses generation	70690 MT (2013-14)
9.	Press Mud generation	49613 MT (2013-14)
10.	Operational status	Non operational
B: Water Pollution and its Control:		
1.	Water Supply Source(s)	1. Tubewell (2 nos.)
	Water Consumption (KLD)	Industrial: 12000 KLD Domestic: 70 KLD
2.	Water Meter to show consumption	Not available
3.	Flow measuring device installed at outlet of ETP	V-Notch could not be observed as the entire area for discharge of treated effluent full of shrubs.
4.	Waste Water generation (KLD) (before treatment) ➢ Industrial ➢ Domestic	 1200 KLD 70 KLD
5.	Waste Water treatment capacity (KLD) ➢ Industrial ➢ Domestic	 1200 KLD 70 KLD
6.	Details of ETP ➢ ETP Description with flow diagram ➢ Details of Reverse Osmosis plant, if any ➢ Details of Multi Effect Evaporator, if any	Annexure – I.

7.	Waste water discharged (after treatment)(KLD) ➢ Industrial ➢ Domestic	Non Operational				
8.	Mode of disposal of treated effluent (Details)	Direct into Hindon River.				
9.	Sample distributed into no. of parts (2/3)	N.A. Non operational.				
10.	Sludge disposal mode	For farming				
11.	Effluent collection locations & analysis results (if collected)	**Locations**	**Parameters**			
			pH	**BOD (mg/l)**	**COD (mg/l)**	**TSS (mg/l)**
		Outlet	-	-	-	-
		Others	-	-	-	-
(I) Information regarding Ferti-irrigation						
17.	Details of treatment effluent before Ferti-irrigation	-				
18.	Command area for irrigation (available land area)	-				
19.	System for dilution of treated effluent required for ferti-irrigation	-				
20.	System of transportation of treated effluent upto field.	-				
21.	Formal agreements with farmers for using treated effluent	-				
22.	Storage facility available for treated effluent during low demand period	-				
23.	Quality of effluent being used for ferti-irrigation	-				
24.	Ground water monitoring network	-				
C: Air Pollution and its Control						
1.	Sources of Air Pollution	Boilers – 2 nos. (90 TPH each)				
2.	➢ Type of Fuel used with consumption	Bagasse				
3.	➢ Stack details	RCC made, Height – 55 m each				
4.	➢ APCS details	Multi-cyclone and Wet scrubber in each boiler				
5.	Samples collections points (if collected)	**N.A.**				

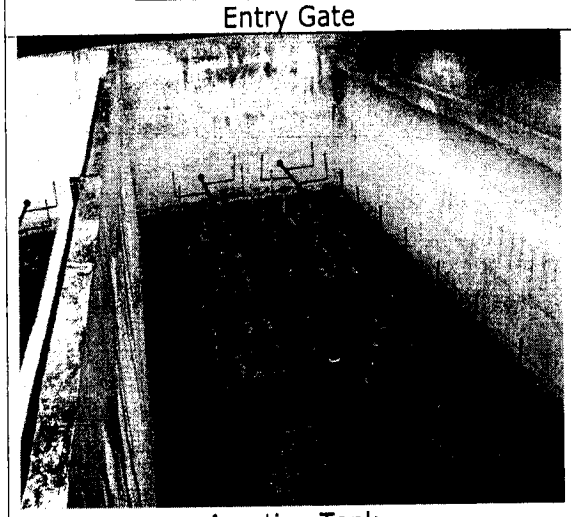
Photographs indicating locations:



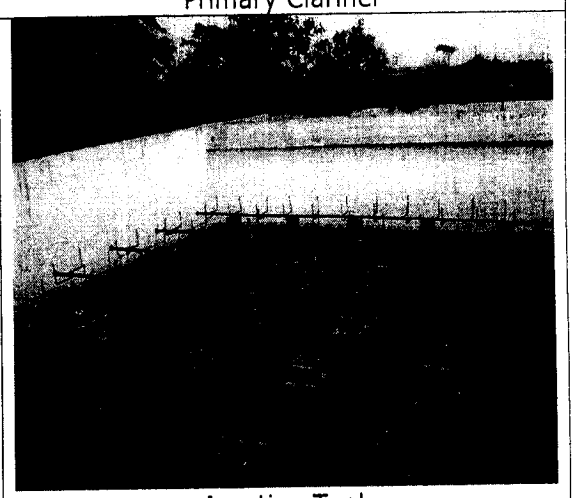
Entry Gate



Primary Clarifier



Aeration Tank

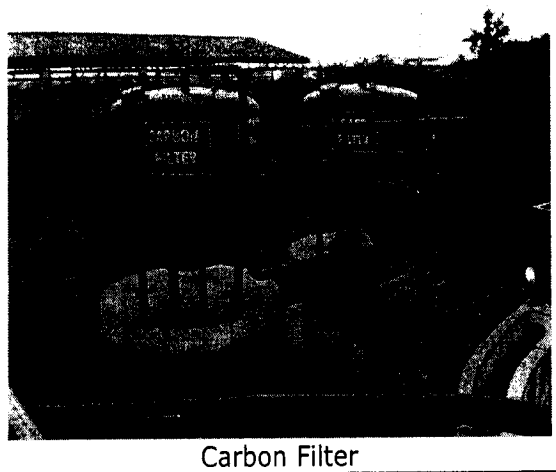


Aeration Tank

Secondary Clarifier

Chimney

11H

 Carbon Filter	 Discharge Point

E. Route of effluent to reach river Ganga/Yamuna
(Please indicate starting from the outlet drain of the unit)

Direct discharge into Hindon River.

Remarks:

1. No effluent was found being generated in the industry premises and ETP units were observed empty except rainy water.
2. Adequacy of pollution control system may be assessed once the industry resumes its operation.

1	Name of officials inspecting	Name & Designations	Signature
		Sh. Shriance Jain, Sc 'D', CPCB	
		Dr. B.B. Awasthi, R.O. UPPCB, Meerut	
		Shri A.K. Tiwari, AEE, UPPCB, Meerut	
		Shri J.N. Tiwari, JEE, UPPCB, Meerut	
		Dr. Sananda Sinha, RA, CPCB	
		Sh. K.S. Rawat, JLA, CPCB	
2	Date of report Submission	08.09.2014	

CENTRAL POLLUTION CONTROL BOARD
NGRBA Cell

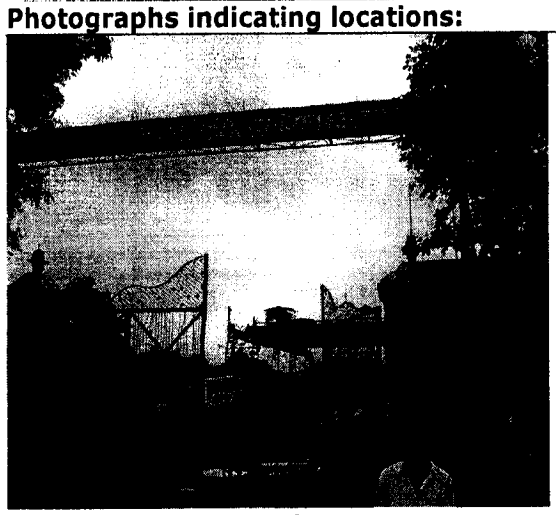
Joint inspection Report: Sugar

Date of Inspection: 05.09.2014

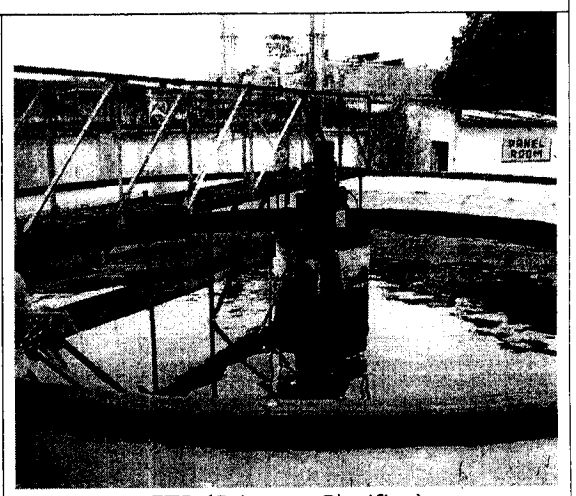
A: General Information			
1.	Name of the unit and address	M/s. SBEC Sugar Limited, Village Layon, Mallakhpur, Baraut, Bagpat, Uttar Pradesh	
2.	Name of the Proprietor/ Contact person – Designation Contact No.	Mr. Vijay Kr. Jain, Manager (Commercial) 09927921119	
3.	Year of Commissioning.	1998	
4.	Sector	Private	
5.	Production details. • Products • Installed Prod. Cap • Operating capacity	 Sugar 8000 TCD 8000 TCD	
6.	Cane crushing capacity	8000 TCD	
7.	Cane crushed last year	10281538 Quintals	
8.	Molasses generation	504000 Quintals	
9.	Press Mud generation	429241 Quintals	
10.	Operational status	Non-operational	
B: Water Pollution and its Control:			
1.	Water Supply Source(s)	1. Tubewell (4 nos.) 230 m^3/hr each	
	Water Consumption (KLD)	Industrial	3600 KLD
		Domestic	No colony
2.	Water Meter to show consumption	Not observed	
3.	Flow measuring device installed at outlet of ETP	V-Notch not found.	
4.	Waste Water generation (KLD) (before treatment) ➢ Industrial ➢ Domestic	 1500 KLD 70 KLD	
5.	Waste Water treatment capacity (KLD) ➢ Industrial ➢ Domestic	 2000 KLD 70 KLD	
6.	Details of ETP ➢ ETP Description with flow diagram ➢ Details of Reverse Osmosis plant, if any ➢ Details of Multi Effect Evaporator, if any	Annexure – I.	

7.	Waste water discharged (after treatment)(KLD) ➢ Industrial ➢ Domestic	Khas Nalla which ultimately meets Yamuna River after 25 K.M. however as per the information given by the unit the treated effluent is used by farmers for irrigation.				
8.	Mode of disposal of treated effluent (Details)	Through Drain.				
9.	Sample distributed into no. of parts (2/3)	N.A. Non-operational				
10.	Sludge disposal mode	For farming				
11.	Effluent collection locations & analysis results (if collected)	**Locations**	**Parameters**			
			pH	**BOD (mg/l)**	**COD (mg/l)**	**TSS (mg/l)**
		Outlet	-	-	-	-
		Others	-	-	-	-
(I) Information regarding Ferti-irrigation						
25.	Details of treatment effluent before Ferti-irrigation	-				
26.	Command area for irrigation (available land area)	-				
27.	System for dilution of treated effluent required for ferti-irrigation	-				
28.	System of transportation of treated effluent upto field.	-				
29.	Formal agreements with farmers for using treated effluent	-				
30.	Storage facility available for treated effluent during low demand period	-				
31.	Quality of effluent being used for ferti-irrigation	-				
32.	Ground water monitoring network	-				
C: Air Pollution and its Control						
6.	Sources of Air Pollution					
7.	➢ Type of Fuel used with consumption	Bagasse 68 TPH				
8.	➢ Stack details	Boilers – 2 nos. 1- Height 50 mtr, dia. 4.2 mtr. 2- Height 40 mtr, dia. 3.0 mtr.				
9.	➢ APCS details	Fluidized Bed Nye-Tray followed by Wet scrubber in each boiler				
10.	Samples collections points (if collected)	**N.A.**				

Photographs indicating locations:

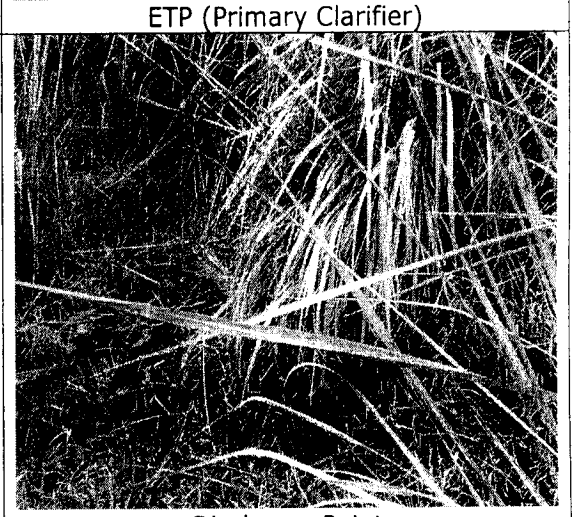


Entry Gate

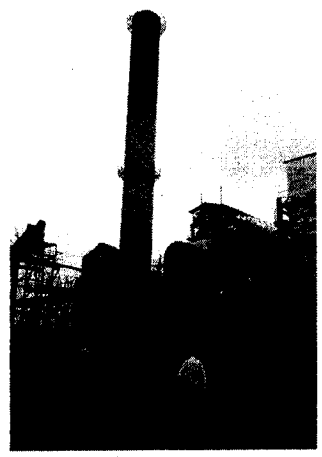


ETP (Primary Clarifier)

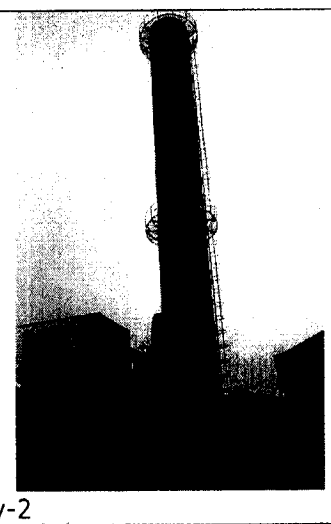
ETP (Secondary Clarifier)



Discharge Point



Chimney-1



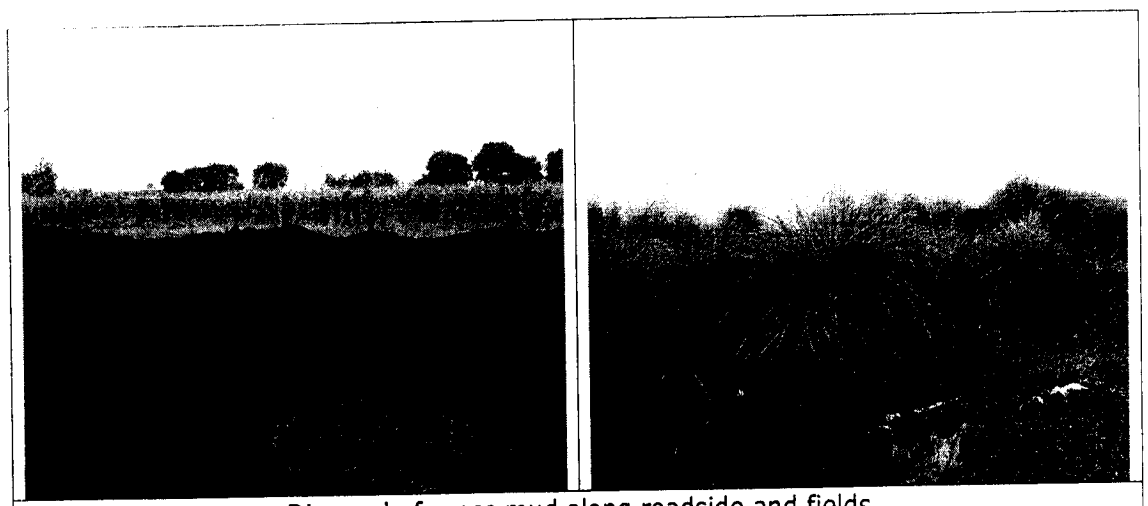
Chimney-2

E. Route of effluent to reach river Ganga/Yamuna
(Please indicate starting from the outlet drain of the unit)

Khas Nala → Baraut Drain → Yamuna River (total length 25 km)

Remarks:

1. The wild grass was observed around the ETP area giving it the deserted look and was also not accessible.
2. No effluent was found being generated in the industry premises and ETP units were observed empty except rainy water.
3. Adequacy of pollution control system may be assessed once the industry resumes its operation.
4. Boiler ash disposed along the approached road to the unit.
5. Discharge point was concealed and only outside the industry's premises the outlet was found after crossing the road.
6. No attention given on maintenance of pollution control measures and as informed by the unit representative they have been allowed to enter the premises only after four months.
7. As per their information, effluent is used in irrigation by farmers.



Disposal of press mud along roadside and fields

1	Name of officials inspecting	Name & Designations	Signature
		Sh. Shriance Jain, Sc 'D', CPCB	
		Dr. B.B. Awasthi, R.O. UPPCB, Meerut	
		Shri A.K. Tiwari, AEE, UPPCB, Meerut	
		Shri J.N. Tiwari, JEE, UPPCB, Meerut	
		Dr. Sananda Sinha, RA, CPCB	
		Sh. K.S. Rawat, JLA, CPCB	
2	Date of report Submission	08.09.2014	

CENTRAL POLLUTION CONTROL BOARD

NGRBA Cell

Joint inspection Report: Sugar

Date of Inspection: 5.9.2014

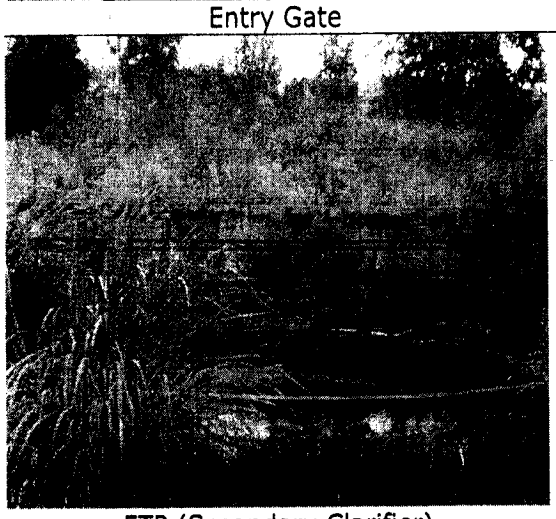
A: General Information		
1.	Name of the unit and address	M/s. Ramala Sahkari Chini Mill Ltd., Baraut, Bagpat, Uttar Pradesh
2.	Name of the Proprietor/ Contact person – Designation Contact No.	Mr. S.K. Verma, Chief Chemist 9758083953
3.	Year of Commissioning.	1979
4.	Sector	Cooperative
5.	Production details. • Products • Installed Prod. Cap • Operating capacity	 Sugar 2750 TCD 2750 TCD
6.	Cane crushing capacity	45.98 Lakh Quintal
7.	Cane crushed last year	2.32 Lakh Quintals
8.	Molasses generation	0.16 Lakh Quintals
9.	Press Mud generation	3.5% of total cane crushed
10.	Operational status	Non operational
B: Water Pollution and its Control:		
1.	Water Supply Source(s) Water Consumption (KLD)	1. Tubewell (3 nos.) – 40 HP, 40 HP & 15 HP Industrial: 2700 KLD Domestic: 193 KLD
2.	Water Meter to show consumption	Not available
3.	Flow measuring device installed at outlet of ETP	V-Notch found broken.
4.	Waste Water generation (KLD) (before treatment) ➢ Industrial ➢ Domestic	 1200 KLD -
5.	Waste Water treatment capacity (KLD) ➢ Industrial ➢ Domestic	 1200 m^3/day – drain Septic Tank
6.	Details of ETP ➢ ETP Description with flow diagram ➢ Details of Reverse Osmosis plant, if any ➢ Details of Multi Effect Evaporator, if any	Oil & Grease Trap, Equalization Tank, Aeration Chamber, Clarifier, Sludge Sump & Pump and Sludge Drying Beds.

7.	Waste water discharged (after treatment)(KLD) ➢ Industrial ➢ Domestic	 Drain Septic Tank
8.	Mode of disposal of treated effluent (Details)	On land.
9.	Sample distributed into no. of parts (2/3)	N.A.
10.	Sludge disposal mode	For farming
11.	Effluent collection locations & analysis results (if collected)	**Locations** / **Parameters**: **pH**, **BOD (mg/l)**, **COD (mg/l)**, **TSS (mg/l)** **Outlet**: - - - - **Others**: - - - -
(I) Information regarding Ferti-irrigation		
9.	Details of treatment effluent before Ferti-irrigation	-
10.	Command area for irrigation (available land area)	-
11.	System for dilution of treated effluent required for ferti-irrigation	-
12.	System of transportation of treated effluent upto field.	-
13.	Formal agreements with farmers for using treated effluent	-
14.	Storage facility available for treated effluent during low demand period	-
15.	Quality of effluent being used for ferti-irrigation	-
16.	Ground water monitoring network	-
C: Air Pollution and its Control		
1.	Sources of Air Pollution	Chimney – 2 nos. (15 T & 15 T) (30 T) Boilers – 3 nos. (15 tonnes, 15 tonnes and 30 tonnes)
2.	➢ Type of Fuel used with consumption	Bagasse
3.	➢ Stack details	Stack – 2 nos. Height – 30 m each
4.	➢ APCS details	Wet scrubber in each boiler
5.	Samples collections points (if collected)	**N.A.**

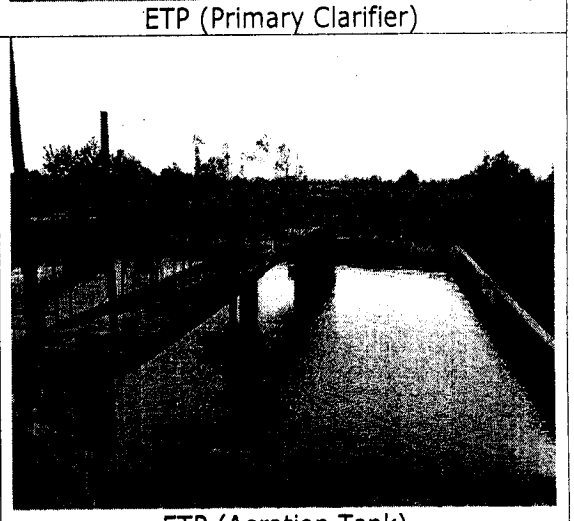
Photographs indicating locations:

Entry Gate

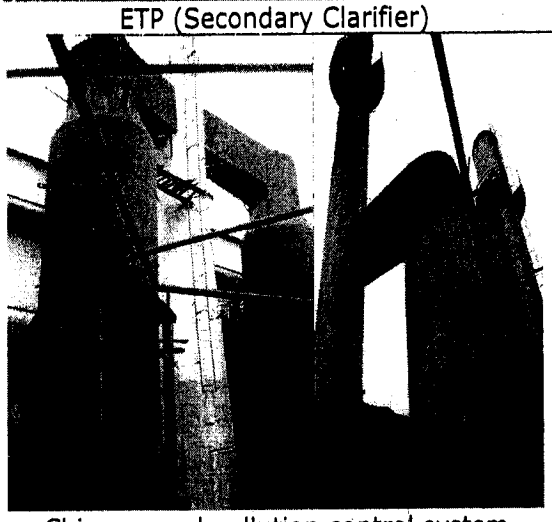
ETP (Primary Clarifier)



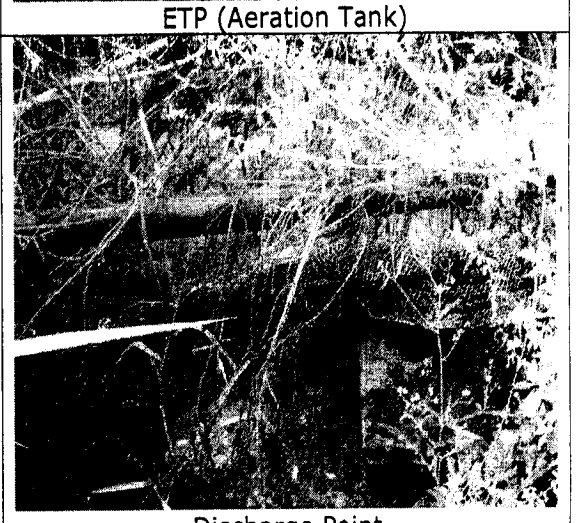
ETP (Secondary Clarifier)



ETP (Aeration Tank)



Chimney and pollution control system



Discharge Point

E. Route of effluent to reach river Ganga/Yamuna
(Please indicate starting from the outlet drain of the unit)

Local drain → Krishna River → Hindon River → Yamuna

Remarks :

1. The wild grass was observed around the ETP area giving it the deserted look and was also not accessible.
2. No effluent was found being generated in the industry premises and ETP units were observed empty except rainy water.
3. Adequacy of pollution control system may be assessed once the industry resumes its operation.
4. Poor maintenance of the ETP.
5. Effluent from wet scrubbers attached to the boilers is directly discharged outside the industry's premises.
6. The maintenance work was going on in the unit and oil and grease was being discharged directly in the drain.

Direct discharge of oil and greases into drain

1	Name of officials inspecting	Name & Designations	Signature
		Sh. Shriance Jain, Sc 'D', CPCB	
		Dr. B.B. Awasthi, R.O. UPPCB, Meerut	
		Shri A.K. Tiwari, AEE, UPPCB, Meerut	
		Shri J.N. Tiwari, JEE, UPPCB, Meerut	
		Dr. Sananda Sinha, RA, CPCB	
		Sh. K.S. Rawat, JLA, CPCB	
2	Date of report Submission	08.09.2014	

CENTRAL POLLUTION CONTROL BOARD

NGRBA Cell

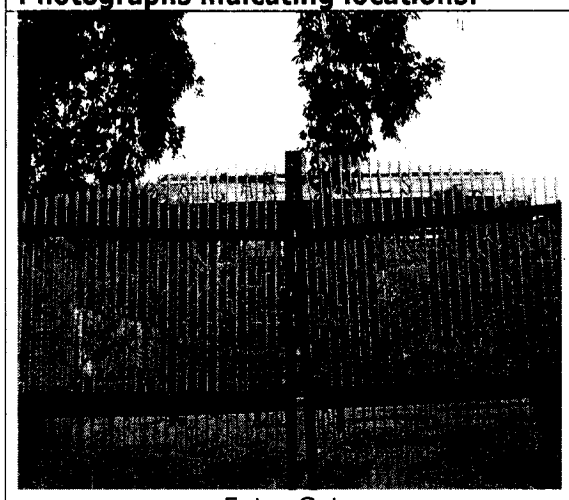
Joint inspection Report: Sugar

Date of Inspection: 05.09.2014

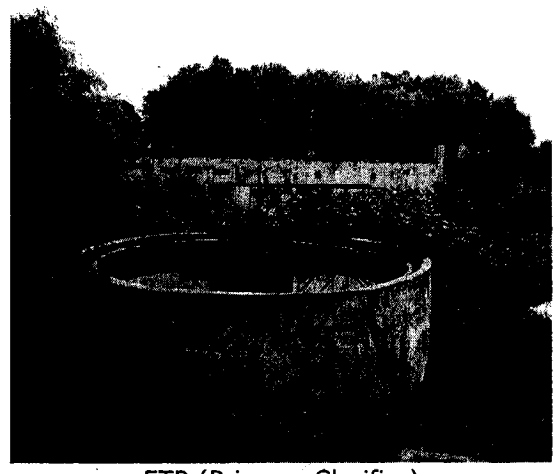
A: General Information			
1.	Name of the unit and address	M/s. Bagpat Cooperative Sugar Mills Ltd. Bagpat, Uttar Pradesh	
2.	Name of the Proprietor/ Contact person – Designation Contact No.	Mr. Narendra K. Sharma, Chief Chemist 9411287498 0121-2221029	
3.	Year of Commissioning.	1965	
4.	Sector	Cooperative	
5.	Production details. • Products • Installed Prod. Cap • Operating capacity	 Sugar 2500 TCD 2500 TCD	
6.	Cane crushing capacity	2500 TCD	
7.	Cane crushed last year	4567182 Quintals	
8.	Molasses generation	267130 Quintals	
9.	Press Mud generation	138430 Quintals	
10.	Operational status	Non operational	
B: Water Pollution and its Control:			
1.	Water Supply Source(s)	1. Tubewell (2 nos.) – 35000 GPM/tubewell	
	Water Consumption (KLD)	Industrial	375.50 KLD
		Domestic	200 KLD
2.	Water Meter to show consumption	Not available	
3.	Flow measuring device installed at outlet of ETP	Not available	
4.	Waste Water generation (KLD) (before treatment) ➢ Industrial ➢ Domestic	 1200 KLD 160 KLD	
5.	Waste Water treatment capacity (KLD) ➢ Industrial ➢ Domestic	 1200 m^3/day Septic Tank	
6.	Details of ETP ➢ ETP Description with flow diagram ➢ Details of Reverse Osmosis plant, if any ➢ Details of Multi Effect Evaporator, if any	ETP consist of following units namely:- Primary Clarifier, Aeration Tank, Secondary Clarifier and Sludge Drying Beds.	

7.	Waste water discharged (after treatment)(KLD) ➢ Industrial ➢ Domestic	Non Operational				
8.	Mode of disposal of treated effluent (Details)	In local drain, outside the premises, stretch length 5 kms. Meets River Yamuna. However as informed by the unit the treated effluent is being used by farmers for irrigation and reaching River Yamuna.				
9.	Sample distributed into no. of parts (2/3)	-				
10.	Sludge disposal mode	For farming				
11.	Effluent collection locations & analysis results (if collected)	**Locations**	**Parameters**			
			pH	**BOD (mg/l)**	**COD (mg/l)**	**TSS (mg/l)**
		Outlet	-	-	-	-
		Others	-	-	-	-
(I) Information regarding Ferti-irrigation						
1.	Details of treatment effluent before Ferti-irrigation	-				
2.	Command area for irrigation (available land area)	-				
3.	System for dilution of treated effluent required for ferti-irrigation	-				
4.	System of transportation of treated effluent upto field.	-				
5.	Formal agreements with farmers for using treated effluent	-				
6.	Storage facility available for treated effluent during low demand period	-				
7.	Quality of effluent being used for ferti-irrigation	-				
8.	Ground water monitoring network	-				
C: Air Pollution and its Control						
1.	Sources of Air Pollution	Boilers – 3 nos. 30 tonnes, 30 tonnes and 20 tonnes.				
2.	➢ Type of Fuel used with consumption	Bagasse				
3.	➢ Stack details	Height – 30 m each				
4.	➢ APCS details	Multi cyclone & Wet scrubber in each boiler				
5.	Samples collections points (if collected)	**N.A.**				

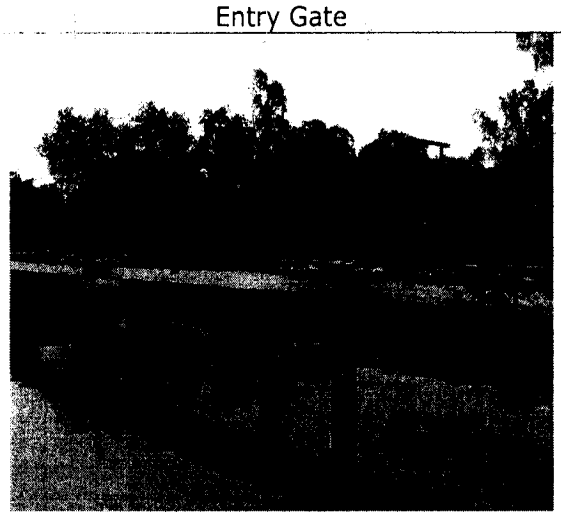
Photographs indicating locations:



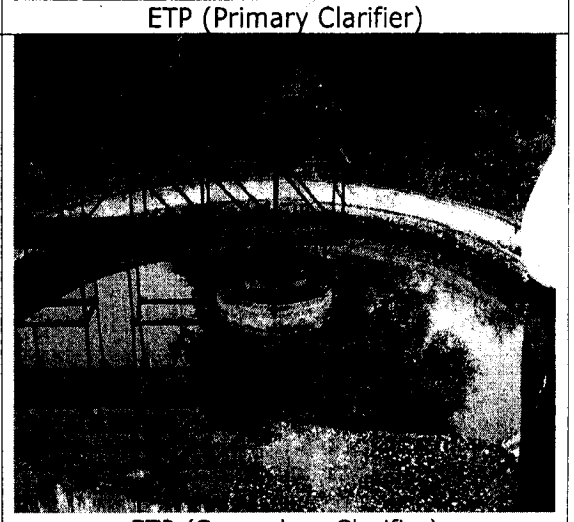
Entry Gate



ETP (Primary Clarifier)



ETP (Aerator)



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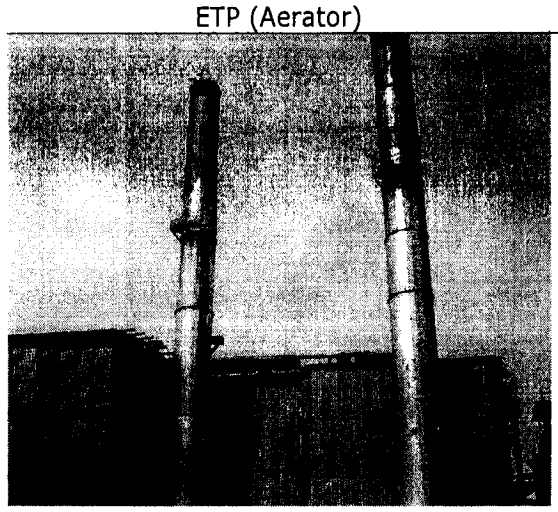
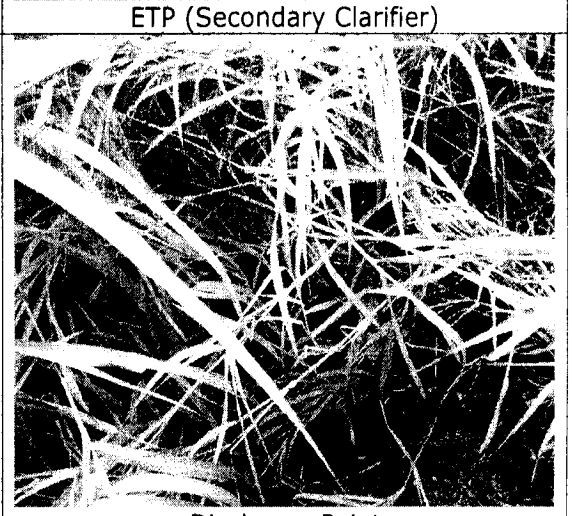


Chimney



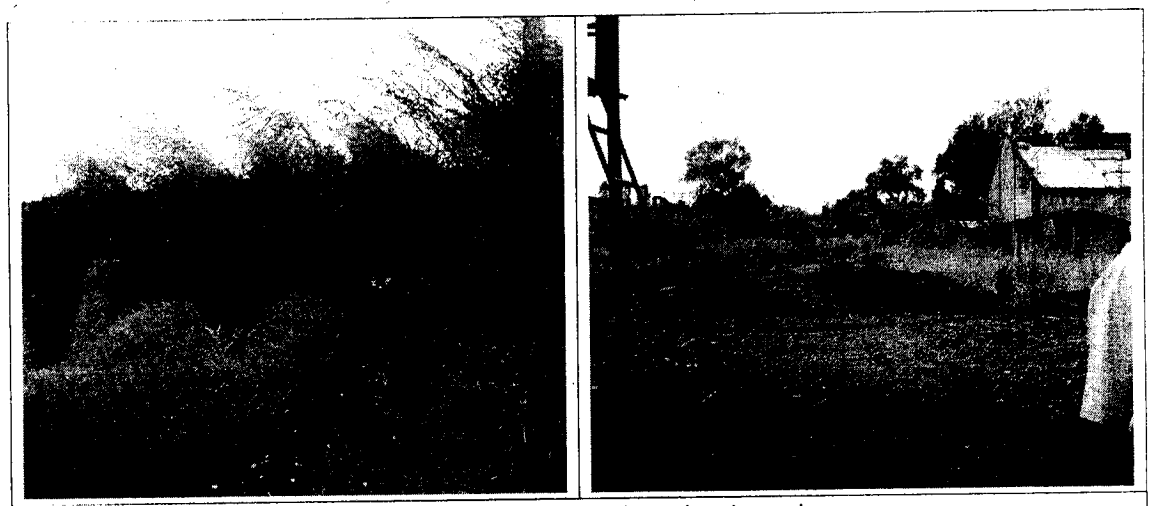
Discharge Point

E. Route of effluent to reach river Ganga/Yamuna
(Please indicate starting from the outlet drain of the unit)

Through local drain (5 km) → Yamuna

Remarks:

1. The wild grass was observed around the ETP area giving it the deserted look and was also not accessible.
2. No effluent was found being generated in the industry premises and ETP units were observed empty except rainy water.
3. Adequacy of pollution control system may be assessed once the industry resumes its operation.
4. No railings on ETP.
5. Boiler ash disposed at backyard.
6. Discharge point was concealed and only outside the industry's premises the outlet was found after crossing the road.
7. No attention given on maintenance of pollution control measures.
8. As per their information, effluent is used in irrigation by farmers.



Disposal of boiler ash at backyard

1	Name of officials inspecting	Name & Designations	Signature
		Sh. Shriance Jain, Sc 'D', CPCB	
		Dr. B.B. Awasthi, R.O. UPPCB, Meerut	
		Shri A.K. Tiwari, AEE, UPPCB, Meerut	
		Shri J.N. Tiwari, JEE, UPPCB, Meerut	
		Dr. Sananda Sinha, RA, CPCB	
		Sh. K.S. Rawat, JLA, CPCB	
2	Date of report Submission	08.09.2014	

CENTRAL POLLUTION CONTROL BOARD

NGRBA Cell

Joint inspection Report: Distillery

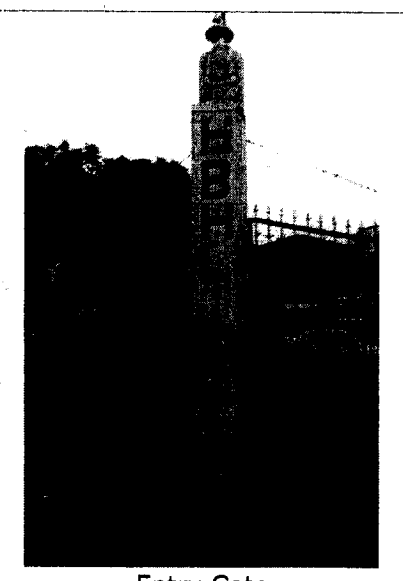
Date of Inspection: 5.9.2014

A: General Information			
1.	Name of the unit and address	M/s. Bajaj Hindustan Limited (Distillery Division), Kinauni – 250502, Meerut, UP	
2.	Name of the Proprietor/ Contact person – Designation Contact No.	Mr. Mukesh Bhatnagar, Gen. Manager 0121-3290501	
3.	Year of Commissioning.	January 2006	
4.	Sector	Private	
5.	Production details. • Products • Installed Prod. Cap. • Consented Prod. Cap • Restricted Prod. Cap.	 RS & ENA 160 KLPD	
6.	Raw materials & their requirement	Molasses – 200000 MT/Annum	
7.	Operational status	Non-operational	
B: Water Pollution and its Control:			
1.	Water Supply Source Water Consumption (KLD)	Tube well (1 no.)	
		Industrial	3450 KLPD
		Domestic	15 KLD
2.	Water Meter to show consumption	The unit was under lockout hence could not be observed	
3.	Flow measuring device installed at outlet of ETP	The unit was under lockout hence could not be observed	
4.	Waste Water generation (KLD) (before treatment) ➢ Industrial ➢ Domestic	 1280 KLPD -	
5.	Waste Water treatment capacity (KLD) ➢ Industrial ➢ Domestic	 1280 KLPD -	
6.	Details of ETP ➢ ETP Description with flow diagram ➢ Details of Reverse Osmosis plant, if any ➢ Details of Multi Effect Evaporator, if any	The unit was under lockout and hence could not be observed.	
7.	Waste water discharged (after treatment)(KLD) ➢ Industrial ➢ Domestic	Industry claims to operate on zero discharge however, it can be verified at the time once industry comes operational.	
8.	Mode of disposal of treated effluent (Details)	Direct into Hindon River.	
9.	Sample distributed into no. of parts (2/3)	-	

10.	Sludge disposal mode	-				
11.	Effluent collection locations & analysis results (if collected)	**Locations**	**Parameters**			
			pH	**BOD (mg/l)**	**COD (mg/l)**	**TSS (mg/l)**
		Outlet	-	-	-	-
		Others	-	-	-	-
(I) Information regarding Bio-composting						
1.	Active area for bio compost preparation **(m^2)**	18 acres [1 ha = 10,000m^2, 1 acre = 0.4046863 hectare, 1 acre = 4046.825 m^2]				
2.	Area for press mud storage **(m^2)**	7 acres				
3.	Area for bio compost storage **(m^2)**	7.23 acres				
4.	Spent wash storage capacity	1 month				
5.	Availability of press mud	From sugar unit				
6.	Quantity of compost prepared (Monthly statement of last year)	15751 MT (2012-13)				
7.	Quantity of pressmen procured (Monthly statement)	As per manufacturing data of sugar production				
8.	Details of wind roses (Number, length, height, width of stacking, space between two wind rose)	Length of window as per yard dimension.				
9.	Quantity of Effluent being used for composting (m^3/day) :	640 m^3/day				
10.	Quantity of press mud being used for one cycle	11000 MT/cycle				
11.	Maturity time in days for one cycle	60 days				
12.	Arrangement for rainy season	Shut down.				
13.	Quality of ground water in the area and depth of ground water table	-				
(II) Information regarding Ferti-irrigation						
1.	Details of treatment of spent wash (details of bio methanisation, primary and secondary treatment)	N.A.				
2.	Command area for irrigation (available land area)	N.A.				
3.	System for dilution of treated effluent required for ferti-irrigation	N.A.				
4.	System of transportation of treated effluent upto field.	N.A.				
5.	Formal agreements with farmers for using treated effluent	N.A.				
6.	Storage facility available for treated effluent during low demand period	N.A.				
7.	Quality of effluent being used for ferti-irrigation	N.A.				
8.	Ground water monitoring network	N.A.				

C: Air Pollution and its Control		
1.	Sources of Air Pollution	Boiler (Cap. 40 TPH)
2.	➢ Type of Fuel used with consumption	Bagasse and Bio Gas
3.	➢ Stack details	RCC made, H=45 m and dia = 2.2 mtr.
4.	➢ APCS details	Wet scrubber
5.	Samples collections points (if collected)	N.A. due to non-operational due to rainly season.

Photographs indicating locations:



Entry Gate

E. Route of effluent to reach river Ganga/Yamuna
(Please indicate starting from the outlet drain of the unit)

Direct discharge into Hindon River.

Remarks:
Unit was under lock out by the Farmers hence could not be inspected and photographs could not be taken.

1	Name of officials inspecting	Name & Designations	Signature
		Sh. Shriance Jain, Sc 'D', CPCB	
		Dr. B.B. Awasthi, R.O. UPPCB, Meerut	
		Shri A.K. Tiwari, AEE, UPPCB, Meerut	
		Shri J.N. Tiwari, JEE, UPPCB, Meerut	
		Dr. Sananda Sinha, RA, CPCB	
		Sh. K.S. Rawat, JLA, CPCB	
2	Date of report Submission	08.09.2014	

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CENTRAL POLLUTION CONTROL BOARD
NGRBA Cell

Joint inspection Report: Slaughter House

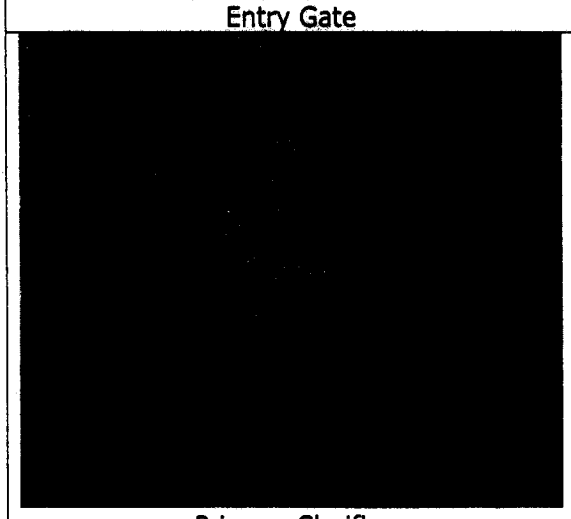
Date of Inspection: 10.9.2014

A: General Information		
1.	Name of the unit and address	M/s. Nagar Nigam Pashuvadhshala, Village Ghoshipur, Meerut, Uttar Pradesh
2.	Name of the Proprietor/ Contact person – Designation Contact No.	Mr. Mohd Naseer S/o Mr. Khacheru, Gate Keeper -

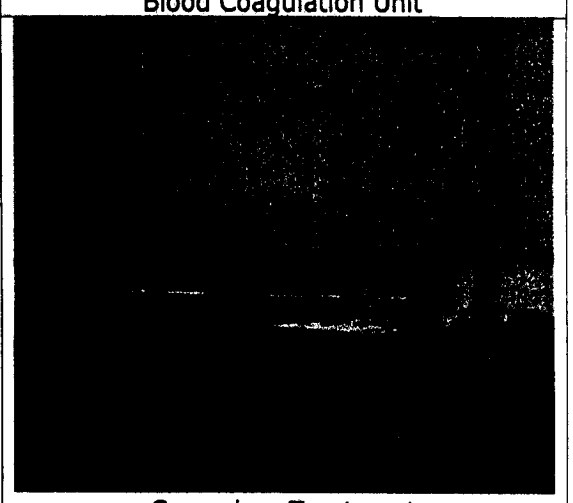
Photographs indicating locations:

Entry Gate

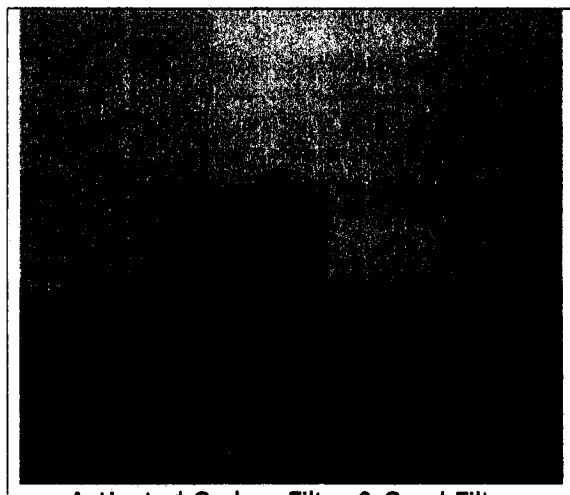
Blood Coagulation Unit



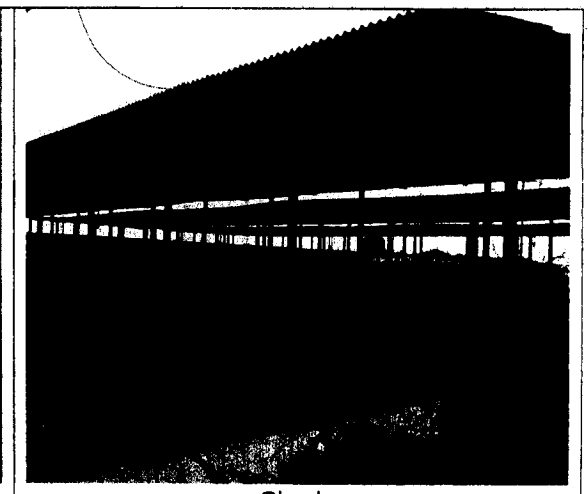
Primary Clarifier



Secondary Treatment



Activated Carbon Filter & Sand Filter



Sheds

Remarks:

The industry was found closed.

Industry is closed since 16-01-2013 as per closure order dated 15.01.2013 issued by Uttar Pradesh Pollution Control Board (copy enclosed) for the reason of discharging the effluent directly into East Kali River without having completing their construction work of ETP.

1	Name of officials inspecting	Name & Designations	Signature
		Shri Shriance Jain, Sc. 'D', CPCB	
		Shri Ankit Singh, AEE, UPPCB, Meerut	
		Shri N.K. Tyagi, AEE, UPPCB, Meerut	
		Shri N.M. Tripathi, S.A. UPPCB, Meerut	
		Dr. Sananda Sinha, RA, CPCB	
		Shri Girish Chand, Attendant	
2	Date of report Submission	10.09.2014	

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उत्तर प्रदेश प्रदूषण नियंत्रण बोर्ड
UTTAR PRADESH POLLUTION CONTROL BOARD

संदर्भ संख्या F15596/सी–3/जल–189/मेरठ/का0व0/12 दिनांक 15.1.13

सेवा में,
मै0 पशुवधशाला
नगर निगम, घोसीपुर,
मेरठ ।

प्रतिलिपि
मै0 नगर निगम पशुवधशाला
ठेकेदार फिरोज कुरैशी
निदेशक अल फहीम मीटेक्स प्रा0लि0
1108, रेलवे रोड सोहराब गेट,
मेरठ ।

HID/ASN/BEB-I

यह कि मै0 पशुवधशाला नगर निगम, घोसीपुर, मेरठ जो कि पशुवध का कार्य करते हुए उपरोक्त वर्णित स्थल पर कार्यरत है, जल (प्रदूषण निवारण एवं नियंत्रण) अधिनियम–1974 की धारा 47 के अन्तर्गत एक कम्पनी है।

यतः दिनांक 8.8.12 को मै0 पशुवधशाला नगर निगम, घोसीपुर [illegible] अधिनियम अन्तर्गत बोर्ड के प्राधिकृत अधिकारी द्वारा किया गया। निरीक्षण के समय पाया गया कि पशुवधशाला [illegible] उत्प्रवाह शुद्धीकरण संयंत्र का निर्माण कार्य पूर्ण किये बिना प्रदूषित [illegible] (पूर्वी) में किया जाता है। प्रक्रिया से जनित ब्लड को सेग्रीगेट कर टैंक में [illegible] निर्माण कार्य नहीं किया गया है एवं पशुवधशाला द्वारा रेण्डरिंग प्लान्ट एवं [illegible] की स्थापना हेतु कोई कार्यवाही नहीं की गई है। इकाई को जल(प्रदूषण निवारण एवं नियंत्रण) अधिनियम–1974 की धारा–33 [illegible] अन्तर्गत कारण बताओ नोटिस बोर्ड के पत्रांक–एफ14331/सी–3/जल–189/मेरठ/12 दिनांक 21.12.12 को प्रेषित किया गया। कारण बताओ नोटिस के अनुक्रम में इकाई से प्राप्त उत्तर सन्तोषजनक नहीं पाया गया है। बोर्ड के क्षेत्रीय कार्यालय, मेरठ के अधिकारियों द्वारा पशुवधशाला का निरीक्षण दिनांक 25.12.12 को किया गया है। दिनांक 25.12.12 को निरीक्षण के समय एकत्रित उत्प्रवाह [illegible] नमूने में बी0ओ0डी0–2166 मिग्रा/ली0, सस्पेन्डेड सालिड–280 मिग्रा/ली0 तथा सी0ओ0डी0–4800 मिग्रा/ली0 पाया गया जो निर्धारित मानकों से अधिक है।

यतः उपरोक्त वर्णित परिस्थितियों में जन स्वास्थ्य के हित मे जल(प्रदूषण निवारण एवं नियंत्रण) अधिनियम–1974 की धारा–33(ए) के अन्तर्गत राज्य बोर्ड को प्रदत्त शक्तियों के अधीन एवं उपरोक्त वर्णित तथ्यों के परिपेक्ष्य मे मै0 पशुवधशाला नगर निगम, घोसीपुर, मेरठ के विरुद्ध निम्न आदेश/निर्देश तत्काल प्रभाव से जारी किये जाते हैं :– .

पिकप भवन, तृतीय तल, बी ब्लाक, विभूति खण्ड,
गोमती नगर, लखनऊ–226016
दूरभाष : 0522– 2720831, 2720828, 2720691
फैक्स–0522–2720764
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Phone: 0522-2720831, 2720691, 2720828
Fax: 0522-2720764
e-mail: info@uppcb.com
Web Site: www.uppcb.com

1. यह कि औद्योगिक संयंत्र मे0 पशुवधशाला नगर निगम, घोसीपुर, मेरठ को औद्योगिक प्रक्रिया के संचालन को तत्काल प्रभाव से बन्द कर दें।

2. यह कि सक्षम प्राधिकारियों से यह अपेक्षा की जाती है कि वे औद्योगिक संयंत्र मे0 पशुवधशाला नगर निगम, घोसीपुर, मेरठ को मिलने वाली बिजली जल की आपूर्ति व सभी अन्य सुविधाओं को तत्काल प्रभाव से बन्द कर दें।

भवदीय

(जे0एस0 यादव)
सदस्य सचिव(प्रभारी)

प्रतिलिपि:-

1. जिलाधिकारी, मेरठ को सूचनार्थ प्रेषित।
2. नगर आयुक्त, नगर निगम,मेरठ को इस आशय से प्रेषित कि वे औद्योगिक संयंत्र पशुवधशाला के निर्धारित निर्देशों की अनुपालन आख्या प्रेषित करें।
3. अधिशासी अभियन्ता, उ0प्र0 पावर कार्पोरेशन, मेरठ।
4. अधिशासी अभियन्ता जल संस्थान, मेरठ।
5. क्षेत्रीय अधिकारी, उ0प्र0प्रदूषण नियंत्रण बोर्ड,मेरठ को अनुपालन आख्या प्रेषण हेतु प्रेषित।

सदस्य सचिव(प्रभारी)

Joint Inspection Report
Sugar & Distillery Industries
Moradabad, Rampur and Sambhal Region (UP)

Hon'ble Tribunal directed, vide order dated August 5, 2014, CPCB & UPPCB to carry out the Joint Inspection of the Sugar & Distillery units functioning on the banks and nearby river Ganga and Yamuna and discharging their effluents into river.

In this view, a team of CPCB & UPPCB comprises of the following officials visited the Sugar & Distillery units in Moradabad, Rampur and Sambhal Regions (UP)

Officials from CPCB, Delhi	Official/s from RO Moradabad UPPCB
ShM K Biswas, Sc 'C'	Shri Vijay, AEE
Shri Ananda Kumar Ngangom, JRF	Shri P P Singh, JE

The following industries were inspected by the above team during 2nd September, 2014 to 4th September, 2014. The summery table indicating the desired information is given below;

Summery Table: Status of Sugar and Distillery Units operating in Moradabad, Rampur and Sambhal Region (Under regional office Moradabad, UPPCB)

Sl. No.	Name & Address of Industry	Category	Date of Inspection	Operational Status	ETP Status Y/N	APCS Status Y/N	Water Requirement (Industrial) (2013-14)	Resource of Water	Water Meter installed for consumption (Yes/ No)	Possible recipient water Bodies	Detailed Inspection report
1	M/s Triveni Engineering & Ind. Ltd.(Sugar Unit), Milak Narayanpur, Tanda, Rampur	Sugar	2/9/2014	Non-operational due to off season	YES	YES	2570	Ground water	Yes	River Kosi (Ramganga)	Annexure -I
2	M/s Rana Sugar Ltd. (Unit 3), Belwara, Manpur, Moradabad.	Sugar	2/9/2014	Non-operational due to off season	YES	YES	4404	Ground water	No	Rajdhara drain (Ramganga)	Annexure -II
3	M/s Triveni Engineering & Ind. Ltd.(Sugar Unit), Rani Nagal, Tehsil-Thakurdwara, Moradabad	Sugar	2/9/2014	Non-operational due to off season	YES	YES	2700	Ground water	Yes	Lapakana drain (Ramganga)	Annexure -III
4	M/s Deewan Sugar Ltd., Agwanpur, Kanth Road, Moradabad	Sugar	3/9/2014	Non-operational due to off season	YES	YES	2265	Ground water	No	Ramganga	Annexure -IV
5	M/s D.S.M. Sugar (Distillery Division), Asmauli, Moradabad	Distillery	3/9/2014	Non-operational closed by own since 9th June 2014	YES	YES	1800	Ground Water	Yes	Soat River (Ganga)	Annexure -V
6	M/s DSM Sugar,	Sug	3/9/	Non-	YES	YES	4050	Ground	No	Soat River	Annexure

	Asmoli, Dist-Sambhal	ar	2014	operational due to off season				water		(Ganga)	-VI
7	M/s DSM Sugar Mills, Vill-Rajpura, Dist-Sambhal	Sug ar	3/9/ 2014	Non-operational	YES	YES	3400	Ground Water	No	Mahava (Ganga)	Annexure -VII
8	M/s Rana Sugar Ltd. (Unit 4), Karimganj, Shahabad, Rampur	Sug ar	3/9/ 2014	Non-operational due to off season	YES	YES	3000	Ground water	Yes	Ramganga	Annexure -VIII
9	M/s Radico Khaitan Ltd., Rampur	Dist iller y	4/9/ 2014	Operational	YES	YES	6600	Ground water	Yes	Kosi River (Ramganga)	Annexure -IX
10	M/s Rudra Bilas Kisan Sahkari Chini Mill, Bilaspur, Rampur	Sug ar	4/9/ 2014	Non-operational due to off season	YES	YES, Howev er, Show casuse notie issued by SPCB to upgrad e	1320	Ground Water	No	Kulli River West Begul River (Ramganga)	Annexure -X
11	M/s National Industrial Corporation Ltd. Raja ka sahaspur, Bilari, Moradabad.	Dist iller y	4/9/ 2014	Operational	YES	YES	1050	Ground water	Yes	Sahaspura Drains-Aril River (Ramganga)	Annexure -XI
12	M/s Ajudhya Sugar Mills, Raja ka sahaspur, Bilari Moradabad	Sug ar	4/9/ 2014	Non-operational due to off season	YES	YES	1900	Ground water	No	Sahaspura Drains-Aril River (Ramganga)	Annexure -XII

Overall Observations:

- All the nine sugar units were not in operation during inspection due to off season. The units are having ETP and APCS installed. However, the APCS installed in M/s Rudra Bilas Kisan Sahkari Chini Mill, Bilaspur, Rampur, needs upgradation and UPPCB has already issued show cause notice for the same. Since, the units were not in operation, the performance of the ETP/APCS were not be evaluated.
- Two distilleries among three were in operation on the day of inspection and one unit was closed by its own since 9th June, 2014.
- Samples (Air & effluent) were collected from the two operational distillery units; the analysis result is awaited from laboratories.

9/9/2014

Shri M K Biswas, SC 'C'
CPCB Delhi

Shri Vijay, AEE
Moradabad, UPPCB

CENTRAL POLLUTION CONTROL BOARD
NGRBA Cell

Joint inspection Report: Sugar

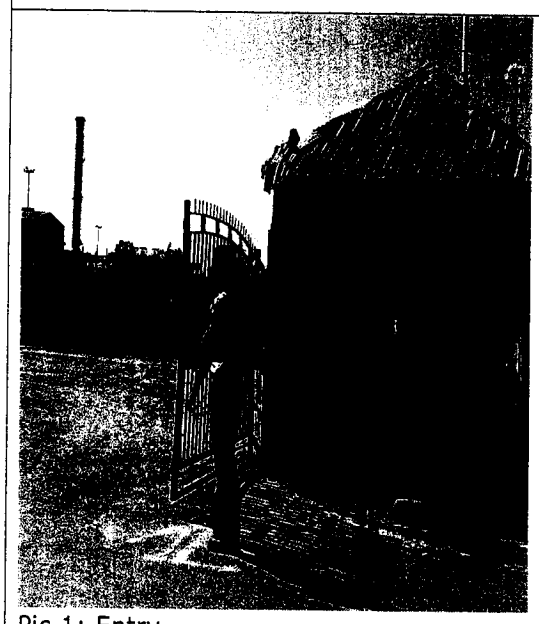
Date of Inspection: 02-09-2014

A: General Information			
1.	Name of the unit and address	M/S Triveni Engineering and Industries Ltd. Vill-Milak Narayanpur, Tehsil-Tanda, Dist-Rampur.	
2.	Name of the Proprietor/ Contact person – Designation Contact No.	Shri Amej Kumar Singh, AGM, HR & Admin, MOB. No- 09719402388	
3.	Year of Commissioning.	2007	
4.	Sector	Private	
5.	Production details. • Products • Installed Prod. Cap • Operating capacity	Sugar 500 MTD	
6.	Cane crushing capacity	5000 TCD	
7.	Cane crushed last year	3600200.799 MT	
8.	Molasses generation (2013-14)	17909.6 MT	
9.	Press Mud generation (2013-14)	16777.9 MT	
10.	Operational status	Non operational due to off season	
B: Water Pollution and its Control:			
1.	Water Supply Source(s)	Tube well	
	Water Consumption (KLD)	Industrial	2570 KLD
		Domestic	330 KLD
2.	Water Meter to show consumption	Available	
3.	Flow measuring device installed at outlet of ETP	Not Available	
4.	Waste Water generation (KLD) (before treatment) (2013-14) ➢ Industrial ➢ Domestic	750 KLD 260 KLD	
5.	Waste Water treatment capacity (KLD) ➢ Industrial ➢ Domestic	750 KLD	

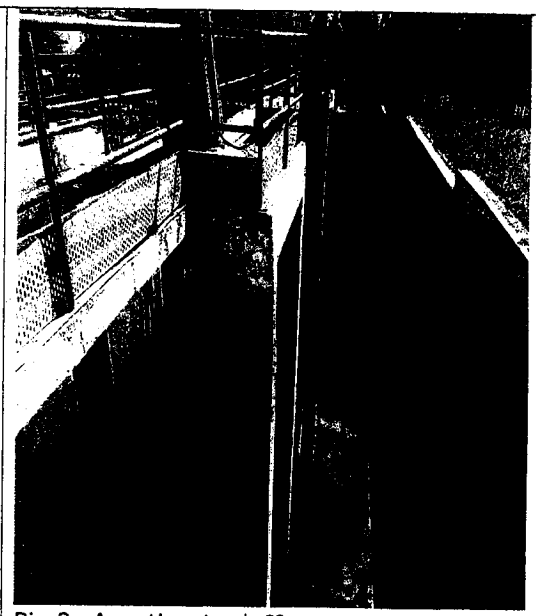
6.	Details of ETP ➢ ETP Description with flow diagram ➢ Details of Reverse Osmosis plant, if any ➢ Details of Multi Effect Evaporator, if any	Oil Skimmer→ Equalization Tank → Primary Clarifier →Aeration Tank (I & II) →Secondary Clarifier → Carbon & Sand filter →Sludge Thinker
7.	Waste water discharged (after treatment)(KLD) ➢ Industrial Domestic	 750 KLD 260 KLD
8.	Mode of disposal of treated effluent (Details)	On Land (Ferti Irrigation)
9.	Sample distributed into no. of parts (2/3)	N/A
10.	Sludge disposal mode	On land as manure
11.	Effluent collection locations & analysis results (if collected)	**Locations** / **Parameters**: pH, BOD (mg/l), COD (mg/l), TSS (mg/l) **Outlet** **Others**
(I) Information regarding Ferti-irrigation		
1.	Details of treatment effluent before Ferti-irrigation	Treated effluent after Carbon & Sand filter is stord in lined lagoon 2800 KL
2.	Command area for irrigation (available land area)	50 Acres
3.	System for dilution of treated effluent required for ferti-irrigation	Not Required
4.	System of transportation of treated effluent upto field.	Flexible pipe line
5.	Formal agreements with farmers for using treated effluent	Consent by farmers
6.	Storage facility available for treated effluent during low demand period	As per (1)
7.	Quality of effluent being used for ferti-irrigation	Not available
8.	Ground water monitoring network	Not available

C: Air Pollution and its Control		
1.	Sources of Air Pollution	Boiler of 90 TPH
2.	➢ Type of Fuel used with consumption	Bagasse- 1080 MTD
3.	➢ Stack details	65 Meter Stack, I.D. of Stack-3.4 M
4.	➢ APCS details	1. Wet Scrubber System.
5.	Samples collections points (if collected)	**PM** (mg/Nm^3):

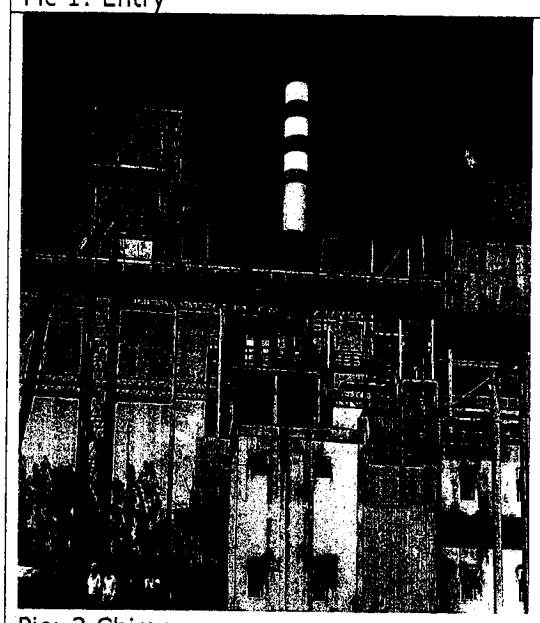
Photographs depicting status of industries:



Pic 1: Entry



Pic 2: Aeration tank II



Pic: 3 Chimney

Pic 4: Treated effluents stored at Lagoons

E. Route of effluent to reach river Ganga/Yamuna

No Drain nearby, River Kosi about 5 KM

1	Name of officials inspecting	**Name & Designations**	**Signature**
		Shri M K Biswas, Sc 'C' CPCB Delhi	
		Shri Vijay, AEE Moradabad, UPPCB	
		Shri P P Singh, JEE RO Moradabad, UPPCB	
		Shri Ananda Kumar Nangom, JRF CPCB Delhi	
2	Date of report Submission	9th September, 2014	

Annexure - II 140

CENTRAL POLLUTION CONTROL BOARD
NGRBA Cell

Joint inspection Report: Sugar

Date of Inspection: 02-09-2014

A: General Information			
1.	Name of the unit and address	M/s Rana Sugar Limited (Unit: BELWARA) P.O. Manpur, Teh. & Distt-Moradabad (U.P.)	
2.	Name of the Proprietor/ Contact person – Designation Contact No.	Shri Sunil Kumar Srivanstava GM (Production) Mob. No.: 9997199316	
3.	Year of Commissioning.	2008	
4.	Sector	Private	
5.	Production details. • Products • Installed Prod. Cap • Operating capacity	Sugar 600 MTD	
6.	Cane crushing capacity	6500 TCD	
7.	Cane crushed last year	5,10,432 MT	
8.	Molasses generation (2013-14)	26763 MT	
9.	Press Mud generation (2013-14)	19944.5 MT	
10.	Operational status	**Non operational due to off season**	
B: Water Pollution and its Control:			
1.	Water Supply Source(s)	1. Tube well	
	Water Consumption (KLD)	Industrial	4404 KLD
		Domestic	20 KLD
2.	Water Meter to show consumption	Not available	
3.	Flow measuring device installed at outlet of ETP	Not available	
4.	Waste Water generation (KLD) (before treatment) (2013-14) ➢ Industrial ➢ Domestic	 2000 KLD 16 KLD	
5.	Waste Water treatment capacity (KLD) ➢ Industrial ➢ Domestic	Capacity-2000 KLD	

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6.	Details of ETP ➢ ETP Description with flow diagram ➢ Details of Reverse Osmosis plant, if any ➢ Details of Multi Effect Evaporator, if any	Oil & Grease Trap → Equalization Tank → Primary Clarifier → Aeration Tank → Secondary Clarifier → Sludge Drying Bed
7.	Waste water discharged (after treatment)(KLD) ➢ Industrial Domestic	2000 KLD 16 KLD
8.	Mode of disposal of treated effluent (Details)	On land (Ferti Irrigation)
9.	Sample distributed into no. of parts (2/3)	Not Required
10.	Sludge disposal mode	1. Oil & Grease burned in Boiler mixed with bagasse 2. used as manure

11.	Effluent collection locations & analysis results (if collected)	**Locations**	**Parameters**			
			pH	**BOD (mg/l)**	**COD (mg/l)**	**TSS (mg/l)**
		Outlet				
		Others				

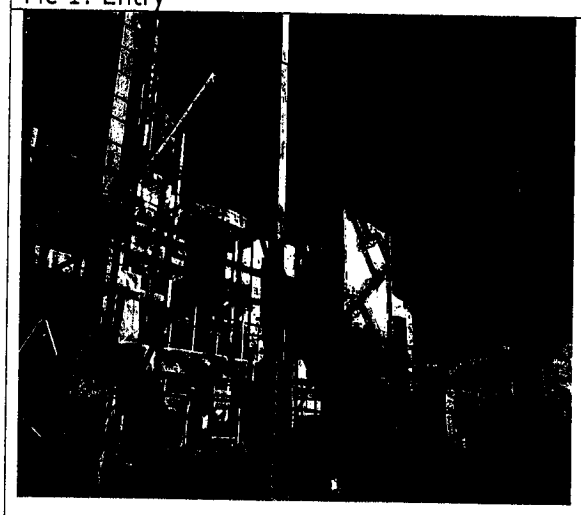
(I) Information regarding Ferti-irrigation		
1.	Details of treatment effluent before Ferti-irrigation	--
2.	Command area for irrigation (available land area)	79 Hectare own (Nearby Farmers Also)
3.	System for dilution of treated effluent required for ferti-irrigation	Not Required
4.	System of transportation of treated effluent upto field.	Through Flexible pipe line
5.	Formal agreements with farmers for using treated effluent	Consent by Farmers
6.	Storage facility available for treated effluent during low demand period	Not Available
7.	Quality of effluent being used for ferti-irrigation	Not Available
8.	Ground water monitoring network	Not available

C: Air Pollution and its Control		
1.	Sources of Air Pollution	Boiler of 120 TPH
2.	➢ Type of Fuel used with consumption	Bagasse- 55 MTH
3.	➢ Stack details	60 Meter (One) I.D.-4.0 Meter
4.	➢ APCS details	1. ESP
5.	Samples collections points (if collected)	**PM** (mg/Nm^3)

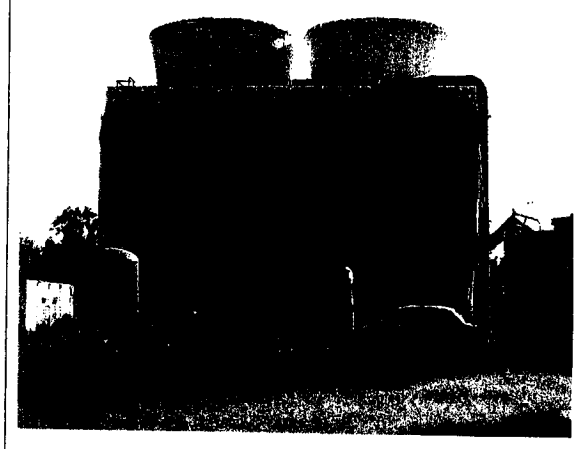
Photographs indicating locations:

Pic 1: Entry

Pic 2: ETP (Primary Clarifier)



Pic: 3 Chimney (All visible)



Pic 4:Cooling Tower

E. Route of effluent to reach river Ganga/Yamuna
(Please indicate starting from the outlet drain of the unit)

Road side drain→ Rajhra Drain→ Ramganga
(15 Km travel to reach Ganga)

1	Name of officials inspecting	**Name & Designations**	**Signature**
		Shri M K Biswas, Sc 'C' CPCB Delhi	
		Shri Vijay, AEE Moradabad, UPPCB	
		Shri P P Singh, JEE RO Moradabad, UPPCB	
		Shri Ananda Kumar Nangom, JRF CPCB Delhi	
2	Date of report Submission	9th September, 2014	

Annexure-III

CENTRAL POLLUTION CONTROL BOARD
NGRBA Cell

Joint inspection Report: Sugar

Date of Inspection: 02-09-2014

A: General Information			
1.	Name of the unit and address	M/S Triveni Engineering and Industries Ltd. Unit-Rani Nagal, Thakurdwara, Moradabad.	
2.	Name of the Proprietor/ Contact person – Designation Contact No.	Shri V. P. Singh, Head HR & Admin. Mob No- 09690021630	
3.	Year of Commissioning.	2007	
4.	Sector	Private	
5.	Production details. • Products • Installed Prod. Cap • Operating capacity	Sugar 500 MTD	
6.	Cane crushing capacity	5000 TCD	
7.	Cane crushed last year(2013-14)	448909.076 MT	
8.	Molasses generation(2013-14)	22273.45 MT	
9.	Press Mud generation(2013-14)	20918.8 MT	
10.	Operational status	**Non operational due to off season**	
B: Water Pollution and its Control:			
1.	Water Supply Source(s)	1. Tube well	
	Water Consumption (KLD)	Industrial	2700 KLD
		Domestic	260 KLD
2.	Water Meter to show consumption	Available	
3.	Flow measuring device installed at outlet of ETP	Available	
4.	Waste Water generation (KLD) (before treatment) ➢ Industrial ➢ Domestic	 750 KLD 200 KLD	
5.	Waste Water treatment capacity (KLD) ➢ Industrial ➢ Domestic	750 KLD	

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6.	Details of ETP ➢ ETP Description with flow diagram ➢ Details of Reverse Osmosis plant, if any ➢ Details of Multi Effect Evaporator, if any	Oil & Grease Trap → Equalization Tank → Primary Clarifier → Aeration Tank (I & II) → Secondary Clarifier → Sludge Thinker→ Carbon & Sand filter
7.	Waste water discharged (after treatment)(KLD) ➢ Industrial Domestic	750 KLD 200 KLD
8.	Mode of disposal of treated effluent (Details)	On land (Ferti Irrigation)
9.	Sample distributed into no. of parts (2/3)	N/A
10.	Sludge disposal mode	On land as manure

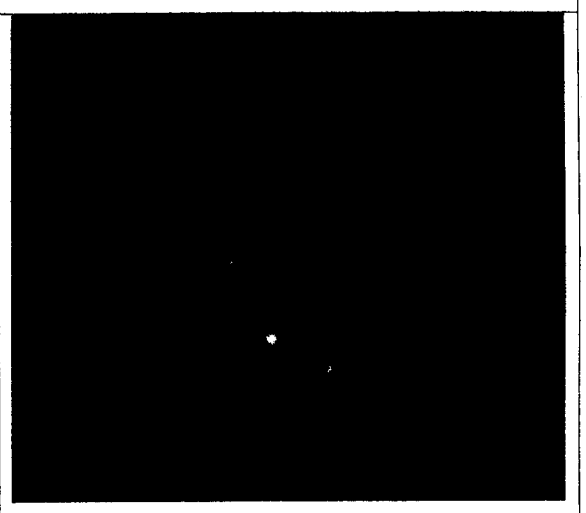
11.	Effluent collection locations & analysis results (if collected)	**Locations**	**Parameters**			
			pH	**BOD (mg/l)**	**COD (mg/l)**	**TSS (mg/l)**
		Outlet				
		Others				

(I) Information regarding Ferti-irrigation		
1.	Details of treatment effluent before Ferti-irrigation	Line lagoons 10,500 m^3
2.	Command area for irrigation (available land area)	14 Acres own (Nearby Farmers Also)
3.	System for dilution of treated effluent required for ferti-irrigation	Not Required
4.	System of transportation of treated effluent upto field.	Flexible pipe
5.	Formal agreements with farmers for using treated effluent	Consent by farmers
6.	Storage facility available for treated effluent during low demand period	As per (1)
7.	Quality of effluent being used for ferti-irrigation	No measuring device
8.	Ground water monitoring network	Not available
C: Air Pollution and its Control		

1.	Sources of Air Pollution	Boiler of 80 TPH
2.	➢ Type of Fuel used with consumption	Bagasse- 864 MTD
3.	➢ Stack details	60 Meter combined stack Inner dia-5.0 meter
4.	➢ APCS details	1. ESP
5.	Samples collections points (if collected)	**PM** (mg/Nm^3):

Photographs indicating locations:

Pic 1: Primary Clarifier



Pic 2: Chimney

E. Route of effluent to reach river Ganga/Yamuna
(Please indicate starting from the outlet drain of the unit)
Local forestry Drain→ Lapakana - Ramganga (Approx. **11Km travels to reach Ramganga**)

1	Name of officials inspecting	**Name & Designations**	**Signature**
		Shri M K Biswas, Sc 'C' CPCB Delhi	
		Shri Vijay, AEE Moradabad, UPPCB	
		Shri P P Singh, JEE RO Moradabad, UPPCB	
		Shri Ananda Kumar Nangom, JRF CPCB Delhi	
2	Date of report Submission	9th September, 2014	

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CENTRAL POLLUTION CONTROL BOARD
NGRBA Cell

Joint inspection Report: Sugar

Date of Inspection: 03-09-2014

A: General Information			
1.	Name of the unit and address	M/s Deewan Sugars Ltd., Vill- Agwanpur, Kanth Road, Distt-Moradabad (U.P.)	
2.	Name of the Proprietor/ Contact person – Designation Contact No.	Shri Atul Goel, G.M. (Production) Mob. No.-07500457555	
3.	Year of Commissioning.	2000	
4.	Sector	Private	
5.	Production details. • Products • Installed Prod. Cap • Operating capacity	Sugar 250 MTD	
6.	Cane crushing capacity	2500 TCD	
7.	Cane crushed last year	344228.428 MT	
8.	Molasses generation(2013-14)	17995.400 MT	
9.	Press Mud generation(2013-14)	15146.032 MT	
10.	Operational status	**Non-operational due to off season**	
B: Water Pollution and its Control:			
1.	Water Supply Source(s)	1. Tube well	
	Water Consumption (KLD)	Industrial	2265 KLD
		Domestic	130 KLD
2.	Water Meter to show consumption	Not available	
3.	Flow measuring device installed at outlet of ETP	Not available	
4.	Waste Water generation (KLD) (before treatment) ➢ Industrial ➢ Domestic	 1000 KLD 100 KLD	
5.	Waste Water treatment capacity (KLD) ➢ Industrial ➢ Domestic	1000 KLD	

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6.	Details of ETP ➢ ETP Description with flow diagram ➢ Details of Reverse Osmosis plant, if any ➢ Details of Multi Effect Evaporator, if any	Bar Screen→ Oil and Grease Trap→ Equalization Tank → Primary Clarifier→ Aeration Tank → Secondary Clarifier→ Polishing Tank→ Sludge Drying Beds.
7.	Waste water discharged (after treatment)(KLD) ➢ Industrial Domestic	 1000 KLD 100 KLD
8.	Mode of disposal of treated effluent (Details)	On land (Ferti Irrigation)
9.	Sample distributed into no. of parts (2/3)	N/A
10.	Sludge disposal mode	On land as manure

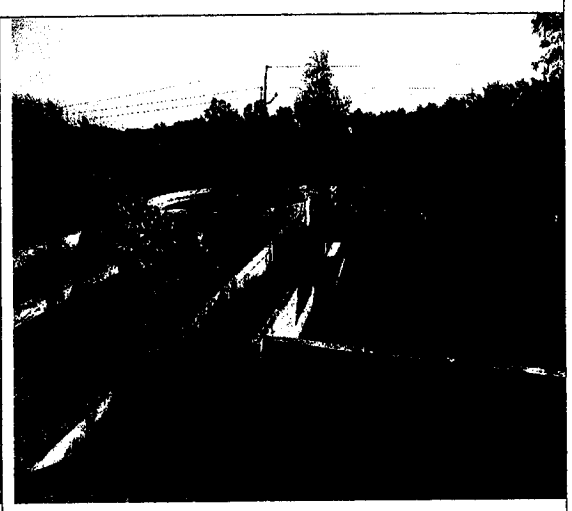
11.	Effluent collection locations & analysis results (if collected)	**Locations**	**Parameters**			
			pH	**BOD (mg/l)**	**COD (mg/l)**	**TSS (mg/l)**
		Outlet				
		Others				

(I) Information regarding Ferti-irrigation		
1.	Details of treatment effluent before Ferti-irrigation	Storage lagoon
2.	Command area for irrigation (available land area)	50 Acres own (Nearby farmers also)
3.	System for dilution of treated effluent required for ferti-irrigation	Not Required
4.	System of transportation of treated effluent upto field.	Through Drain/Flexible pipe line
5.	Formal agreements with farmers for using treated effluent	Consent by farmers
6.	Storage facility available for treated effluent during low demand period	As per (1)
7.	Quality of effluent being used for ferti-irrigation	No measuring device
8.	Ground water monitoring network	Not available

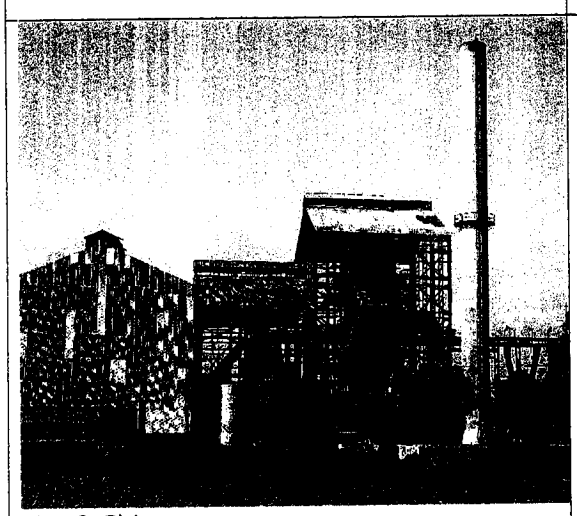
C: Air Pollution and its Control		
1.	Sources of Air Pollution	Boiler of 77 TPH
2.	Type of Fuel used with consumption	Bagasse- 850 MTD
3.	➢ Stack details	50 Meter, Inner dia 3.0 Meter
4.	➢ APCS details	1. Wet Scrubber System 2.
5.	Samples collections points (if collected)	**PM** (mg/Nm^3):

Photographs indicating locations:

Pic 1: ETP flow diagram



Pic 2: ETP



Pic: 3 Chimney

Pic 4: Treated effluent Storage lagoon

E. Route of effluent to reach river Ganga/Yamuna

No Nearby Drain, River Ramganga about 2 k.m. (after Railway crossing)

1	Name of officials inspecting	Name & Designations	Signature
		Shri M K Biswas, Sc 'C' CPCB Delhi	
		Shri Vijay, AEE Moradabad, UPPCB	
		Shri P P Singh, JEE RO Moradabad, UPPCB	
		Shri Ananda Kumar Ngangom, JRF CPCB Delhi	
2	Date of report Submission	9th September, 2014	

CENTRAL POLLUTION CONTROL BOARD
NGRBA Cell

Joint inspection Report: Distillery

Date of Inspection: 03-09-2014

A: General Information			
1.	Name of the unit and address	M/S DSM Sugar (Distillery Division), (A Unit of Dhampur Sugar Mills Ltd.) Vill-Asmoli, Dist- Sambhal.	
2.	Name of the Proprietor/ Contact person – Designation Contact No.	Shri Subhash Pandey Vice President Ph. No.- 05923-241438 -221441	
3.	Year of Commissioning.	2008	
4.	Sector	Private	
5.	Production details. • Products • Installed Prod. Cap. • Consented Prod. Cap • Restricted Prod. Cap.	Rectified Spirit, ENA, Ethanol 100 KLD	
6.	Raw materials & their requirement	Molasses – 450 TPD	
7.	Operational status	Closed by own since 9th June, 2014	
B: Water Pollution and its Control:			
1.	Water Supply Source	Tube well	
	Water Consumption (KLD)	Industrial	1800 KLD
		Domestic	184KLD
2.	Water Meter to show consumption	Available	
3.	Flow measuring device installed at outlet of ETP	Not available	
4.	Waste Water generation (KLD) (before treatment) ➢ Industrial ➢ Domestic	 1000 KLD 160 KLD	
5.	Waste Water treatment capacity (KLD) ➢ Industrial ➢ Domestic	 1000KLD	

6.	Details of ETP ➢ ETP Description with flow diagram ➢ Details of Reverse Osmosis plant, if any ➢ Details of Multi Effect Evaporator, if any	BioRO→MEE→Bio compost Two Reverse Osmosis -500 KLD each followed by MEE-1400 KLD (5 stage) and Bio Compost-19.5 Acre
7.	Waste water discharged (after treatment)(KLD) ➢ Industrial Domestic	-
8.	Mode of disposal of treated effluent (Details)	NA
9.	Sample distributed into no. of parts (2/3)	Not Required
10.	Sludge disposal mode	Not required

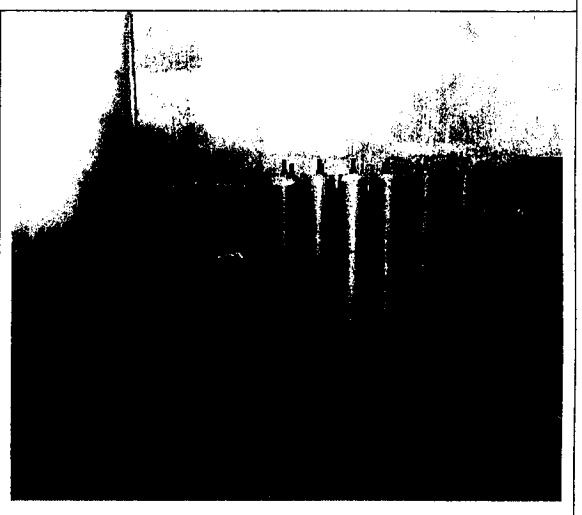
11.	Effluent collection locations & analysis results (if collected)	**Locations**	**Parameters**			
			pH	**BOD (mg/l)**	**COD (mg/l)**	**TSS (mg/l)**
		Outlet				
		Others				

(I) Information regarding Bio-composting		
1.	Active area for bio compost preparation **(m^2)**	19.5 Acres
2.	Area for press mud storage **(m^2)**	3.0 Acres
3.	Area for bio compost storage **(m^2)**	3.0 Acres
4.	Spent wash storage capacity	20,000 KL
5.	Availability of pressmud	From own Sugar Mills
6.	Quantity of compost prepared (Monthly statement of last year)	8400 MT
7.	Quantity of pressmen procured (Monthly statement)	21600 MT
8.	Details of wind roses (Number, length, height, width of stacking, space between two wind rose)	Stopped due to rainy season
9.	Quantity of Effluent being used for composting (m^3/day) :	2.5 m^3/tonnes of press mud

10.	Quantity of press mud being used for one cycle	10,800 MT
11.	Maturity time in days for one cycle	45-50 days
12.	Arrangement for rainy season	Bio Composting Closed
13.	Quality of ground water in the area and depth of ground water table	No measuring device
(II) Information regarding Ferti-irrigation		
1.	Details of treatment of spent wash (details of bio methanisation, primary and secondary treatment)	
2.	Command area for irrigation (available land area)	Not Required
3.	System for dilution of treated effluent required for ferti-irrigation	Not Required
4.	System of transportation of treated effluent upto field.	
5.	Formal agreements with farmers for using treated effluent	
6.	Storage facility available for treated effluent during low demand period	
7.	Quality of effluent being used for ferti-irrigation	
8.	Ground water monitoring network	Not available
C: Air Pollution and its Control		
1.	Sources of Air Pollution	170 TPH Boiler
2.	Type of Fuel used with consumption	1632 MTD, Bagasse and Biogas (10000m3/day)
3.	➢ Stack details	72 Meters (Inner Dia 3.4 Meter)
4.	➢ APCS details	1. ESP
5.	Samples collections points (if collected)	**PM** (mg/Nm^3):

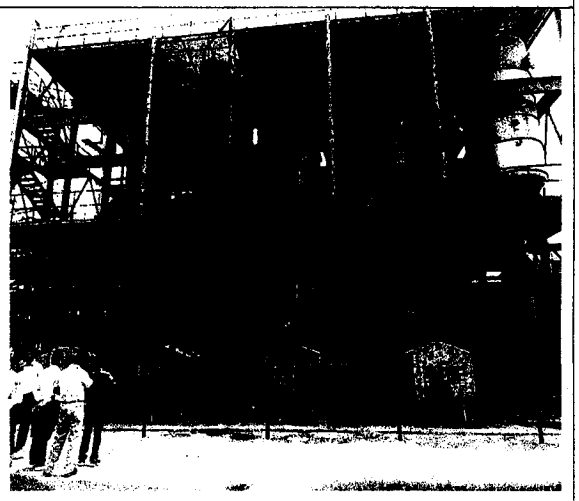
Photographs depicting status of industry:

Pic 1: Entry of unit



Pic 2:RO

Pic 3: Compost Yard



Pic MEE

Pic: 5 Chimney

Pic 6: Spent wash storage Lagoon

E. Route of effluent to reach river Ganga/Yamuna

Soat River→River Ganga

1	Name of officials inspecting	Name & Designations	Signature
		Shri M K Biswas, Sc 'C' CPCB Delhi	
		Shri Vijay, AEE Moradabad, UPPCB	
		Shri P P Singh, JEE RO Moradabad, UPPCB	
		Shri Ananda Kumar Nangom, JRF CPCB Delhi	
2	Date of report Submission	9th September, 2014	

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CENTRAL POLLUTION CONTROL BOARD

NGRBA Cell

Joint inspection Report: Sugar

Date of Inspection: 03-09-2014

A: General Information			
1.	Name of the unit and address	M/s D.S.M. Sugar, Asmoli, Dist-Sambhal.	
2.	Name of the Proprietor/ Contact person – Designation Contact No.	Shri Subhash Pandey, Vice President, Mob. No.- 05923221438	
3.	Year of Commissioning.	1994	
4.	Sector	Private	
5.	Production details. • Products • Installed Prod. Cap • Operating capacity	Sugar 900 MTD	
6.	Cane crushing capacity	9000 TCD	
7.	Cane crushed last year	837647.314 MT	
8.	Molasses generation (2013-14)	40946.00 MT	
9.	Press Mud generation(2013-14)	32333 MT	
10.	Operational status	Non operational due to off season	
B: Water Pollution and its Control:			
1.	Water Supply Source(s)	1. Tube well	
	Water Consumption (KLD)	Industrial	4050 KLD
		Domestic	180 KLD
2.	Water Meter to show consumption	Not available	
3.	Flow measuring device installed at outlet of ETP	Not available	
4.	Waste Water generation (KLD) (before treatment) ➢ Industrial ➢ Domestic	 1800 KLD 140 KLD	
5.	Waste Water treatment capacity (KLD) ➢ Industrial ➢ Domestic	2500KLD	

6.	Details of ETP ➢ ETP Description with flow diagram ➢ Details of Reverse Osmosis plant, if any ➢ Details of Multi Effect Evaporator, if any	Bar Screen→ Oil & Grease Trap → Equalization Tank → Primary Settling Tank→ Aeration Tank → Secondary Settling Tank→ Sludge Drying Bed
7.	Waste water discharged (after treatment)(KLD) ➢ Industrial Domestic	 1800 KLD 140 KLD
8.	Mode of disposal of treated effluent (Details)	On land (Ferti Irrigation)
9.	Sample distributed into no. of parts (2/3)	N/A
10.	Sludge disposal mode	On land as manure

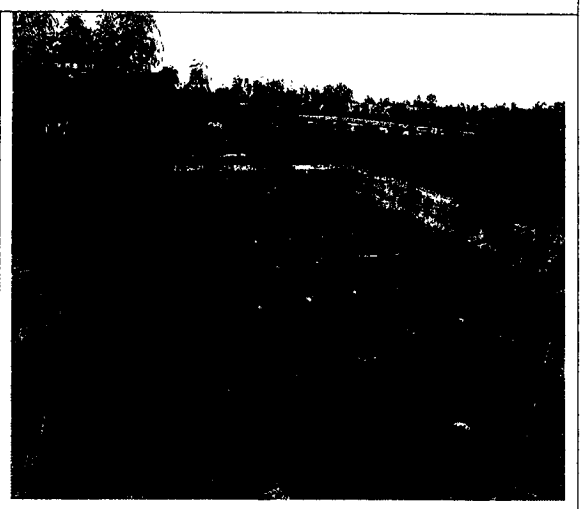
11.	Effluent collection locations & analysis results (if collected)	**Locations**	**Parameters**			
			pH	**BOD (mg/l)**	**COD (mg/l)**	**TSS (mg/l)**
		Outlet				
		Others				

(I) Information regarding Ferti-irrigation		
1.	Details of treatment effluent before Ferti-irrigation	40000 KL Lined Lagoon
2.	Command area for irrigation (available land area)	50 Acres own (Nearby Farmers Also)
3.	System for dilution of treated effluent required for ferti-irrigation	Not Required
4.	System of transportation of treated effluent upto field.	Flexible Pipe line
5.	Formal agreements with farmers for using treated effluent	Consent by farmers
6.	Storage facility available for treated effluent during low demand period	As (1)
7.	Quality of effluent being used for ferti-irrigation	No Measuring device
8.	Ground water monitoring network	(Not available)
C: Air Pollution and its Control		

1.	Sources of Air Pollution	Boiler of 60 TPH (2 no.s)
2.	Type of Fuel used with consumption	Bagasse- 672 MTD
3.	➢ Stack details	60 Meter combined (Inner Dia 3.4 Meter)
4.	➢ APCS details	1. Wet Scrubber System
5.	Samples collections points (if collected)	**PM** (mg/Nm^3):

Photographs depicting the status of the Industry:

Pic 1: Entry



Pic 2: ETP

E. Route of effluent to reach river Ganga/Yamuna

Nearby River Soat

1	Name of officials inspecting	**Name & Designations**	**Signature**
		Shri M K Biswas, Sc 'C' CPCB Delhi	
		Shri Vijay, AEE Moradabad, UPPCB	
		Shri P P Singh, JEE RO Moradabad, UPPCB	
		Shri Ananda Kumar Ngangom, JRF CPCB Delhi	
2	Date of report Submission	9th September, 2014	

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Annexure- VII

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CENTRAL POLLUTION CONTROL BOARD

NGRBA Cell

Joint inspection Report: Sugar

Date of Inspection: 03-09-2014

A: General Information			
1.	Name of the unit and address	M/s Dhampur Sugar Mills, Vill & Post- Rajpura, Tehsil- Gunnaur, Dist-Sambhal.	
2.	Name of the Proprietor/ Contact person – Designation Contact No.	Shri Subodh Singh A.G.M. Mob. No.- 07895003355	
3.	Year of Commissioning.	2006	
4.	Sector	Private	
5.	Production details. • Products • Installed Prod. Cap • Operating capacity	 Sugar 700 MTD	
6.	Cane crushing capacity(2013-14)	7000 TCD	
7.	Cane crushed last year(2013-14)	623775.436 MT	
8.	Molasses generation(2013-14)	35128.80 MT	
9.	Press Mud generation(2013-14)	23828 MT	
10.	Operational status	**Non operational due to off season**	
B: Water Pollution and its Control:			
1.	Water Supply Source(s)	1. Tube well	
	Water Consumption (KLD)	Industrial	3400 KLD
		Domestic	200 KLD
2.	Water Meter to show consumption	Not available	
3.	Flow measuring device installed at outlet of ETP	Not available	
4.	Waste Water generation (KLD) (before treatment) ➢ Industrial ➢ Domestic	 2100 KLD 160 KLD	

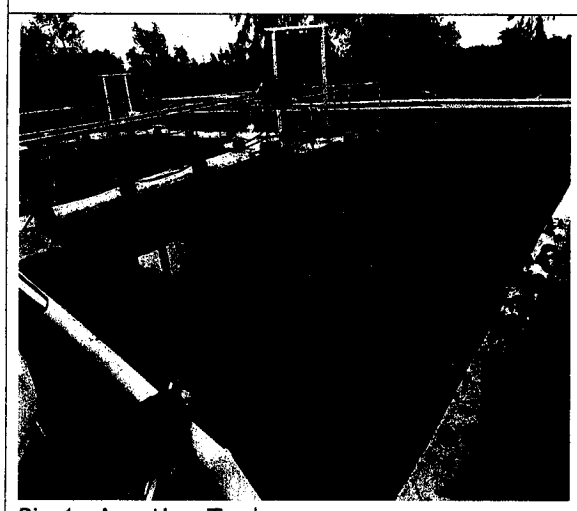
5.	Waste Water treatment capacity (KLD) ➢ Industrial ➢ Domestic	Capacity-2100 KLD
6.	Details of ETP ➢ ETP Description with flow diagram ➢ Details of Reverse Osmosis plant, if any ➢ Details of Multi Effect Evaporator, if any	Bar Screen→ Oil & Grease Trap → Primary Settling Tank→ Aeration Tank → Secondary Settling Tank→ Sludge Drying Bed
7.	Waste water discharged (after treatment)(KLD) ➢ Industrial Domestic	2100 KLD 160 KLD
8.	Mode of disposal of treated effluent (Details)	On land (Ferti Irrigation)
9.	Sample distributed into no. of parts (2/3)	N/A
10.	Sludge disposal mode	On land as manure

11.	Effluent collection locations & analysis results (if collected)	**Locations**	**Parameters**			
			pH	**BOD (mg/l)**	**COD (mg/l)**	**TSS (mg/l)**
		Outlet				
		Others				

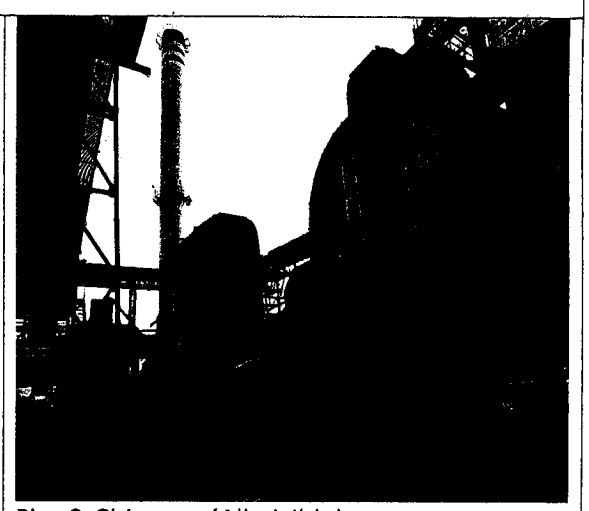
(I) Information regarding Ferti-irrigation		
1.	Details of treatment effluent before Ferti-irrigation	lined lagoons
2.	Command area for irrigation (available land area)	70 Acre own (Nearby Farmers Also)
3.	System for dilution of treated effluent required for ferti-irrigation	Not Required
4.	System of transportation of treated effluent upto field.	Flexible Pipe line
5.	Formal agreements with farmers for using treated effluent	Consent by farmers
6.	Storage facility available for treated effluent during low demand period	As (1)

7.	Quality of effluent being used for ferti-irrigation	No Measuring device
8.	Ground water monitoring network	(Not available)
C: Air Pollution and its Control		
1.	Sources of Air Pollution	Boiler of 120 TPH
2.	➢ Type of Fuel used with consumption	Baggase- 1250 MTD
3.	➢ Stack details	60 Meter (ID 3.5m)
4.	➢ APCS details	1. Wet Scrubber System
5.	Samples collections points (if collected)	**PM** (mg/Nm^3):

Photographs indicating the status of the Industry

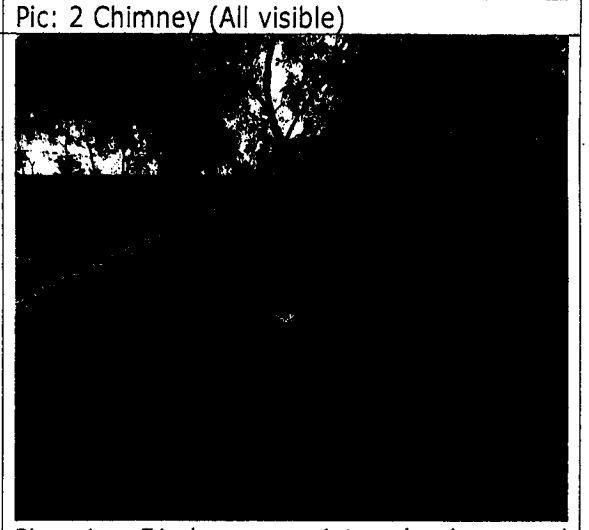


Pic 1: Aeration Tank



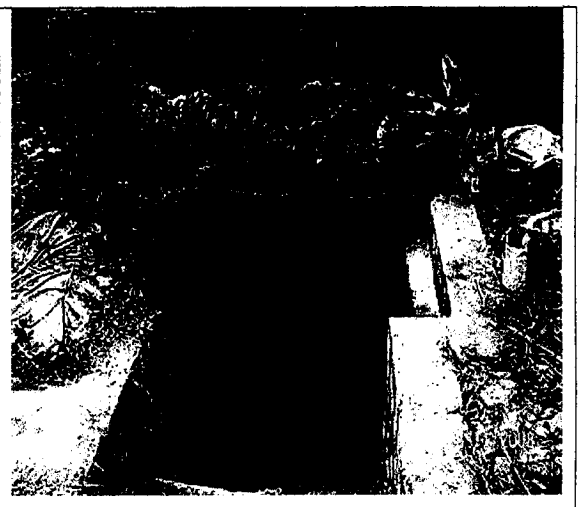
Pic: 2 Chimney (All visible)

Pic 3:Treated effluent storage tank



Pic 4: Discharge points (underground pipeline)

Pic 5: Underground pipeline being closed



Pic 6: Underground pipeline closed

E. Route of effluent to reach river Ganga/Yamuna
Under Ground Drain (blocked), which meets River Mahava about 1 km and finally meets Ganga

1	Name of officials inspecting	**Name & Designations**	**Signature**
		Shri M K Biswas, Sc 'C' CPCB Delhi	
		Shri Vijay, AEE Moradabad, UPPCB	
		Shri P P Singh, JEE RO Moradabad, UPPCB	
		Shri Ananda Kumar Ngangom, JRF CPCB Delhi	
2	Date of report Submission	9th September, 2014	

Annexure - VIII

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CENTRAL POLLUTION CONTROL BOARD

NGRBA Cell

Joint inspection Report: Sugar

Date of Inspection: 03-09-2014

A: General Information			
1.	Name of the unit and address	M/s Rana Sugar Limited, Unit- Karimganj, Post-Shahabad, Distt-Rampur (U.P.)	
2.	Name of the Proprietor/ Contact person – Designation Contact No.	Shri Sudhir Kumar, Chief General Manager, Mob. No.-09634090209	
3.	Year of Commissioning.	2008	
4.	Sector	Private	
5.	Production details. • Products • Installed Prod. Cap • Operating capacity	Sugar 500 MTD	
6.	Cane crushing capacity	5000 TCD	
7.	Cane crushed last year	561761.621 MT	
8.	Molasses generation	28782 MT	
9.	Press Mud generation	21066 MT	
10.	Operational status	Non operational due to off season	
B: Water Pollution and its Control:			
1.	Water Supply Source(s)	1. Tube well	
	Water Consumption (KLD)	Industrial	3000 KLD
		Domestic	20 KLD
2.	Water Meter to show consumption	Available	
3.	Flow measuring device installed at outlet of ETP	Not available	
4.	Waste Water generation (KLD) (before treatment) ➢ Industrial ➢ Domestic	2000 KLD 16 KLD	
5.	Waste Water treatment capacity (KLD) ➢ Industrial ➢ Domestic	Capacity-2000 KLD	

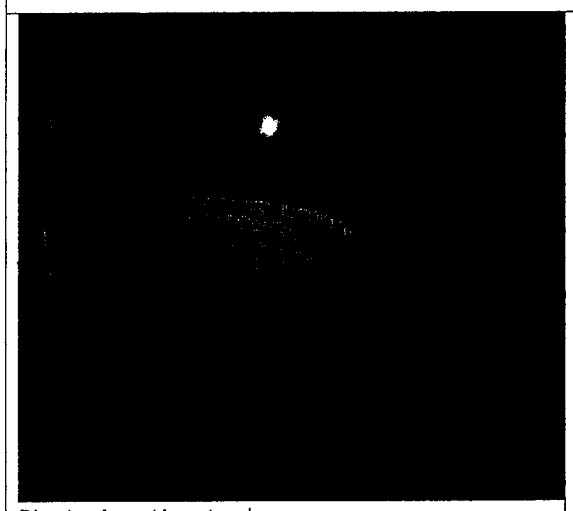
6.	Details of ETP ➢ ETP Description with flow diagram ➢ Details of Reverse Osmosis plant, if any ➢ Details of Multi Effect Evaporator, if any	Bar Screen→ Oil and Grease Trap→ Equalization Tank → Primary Settling Tank→ Aeration Tank → Secondary Settling Tank → Carbon sand filter→ Sludge Drying Beds.
7.	Waste water discharged (after treatment)(KLD) ➢ Industrial Domestic	2000 KLD -
8.	Mode of disposal of treated effluent (Details)	On land (Ferti Irrigation)
9.	Sample distributed into no. of parts (2/3)	Not Required
10.	Sludge disposal mode	On land as manure and oil and grease is burnt with bagasse in boiler

11.	Effluent collection locations & analysis results (if collected)	**Locations**	**Parameters**			
			pH	**BOD (mg/l)**	**COD (mg/l)**	**TSS (mg/l)**
		Outlet				
		Others				

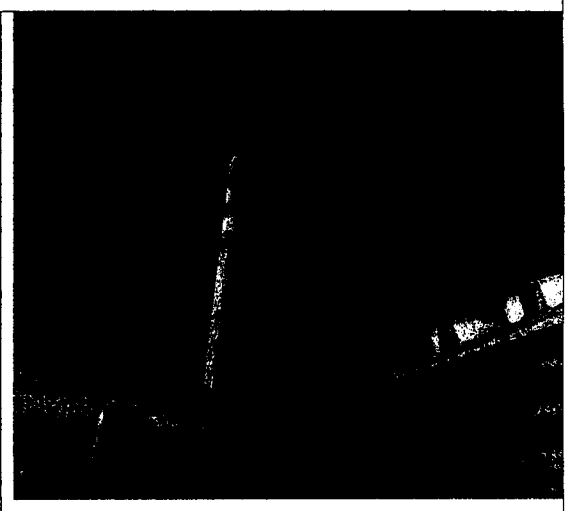
(I) Information regarding Ferti-irrigation		
1.	Details of treatment effluent before Ferti-irrigation	line lagoons 4500 K.L.
2.	Command area for irrigation (available land area)	30 Acres own (nearby farmers also)
3.	System for dilution of treated effluent required for ferti-irrigation	Not Required
4.	System of transportation of treated effluent upto field.	Flexible pipe line
5.	Formal agreements with farmers for using treated effluent	Consent by farmers
6.	Storage facility available for treated effluent during low demand period	As per (1)
7.	Quality of effluent being used for ferti-irrigation	No measuring device
8.	Ground water monitoring network	(Not available)

C: Air Pollution and its Control		
1.	Sources of Air Pollution	Boiler of 120 TPH
2.	➢ Type of Fuel used with consumption	Bagasse- 1100 MTD
3.	➢ Stack details	72 Meter, Inner dia 4.0 meter
4.	➢ APCS details	1. ESP
5.	Samples collections points (if collected)	**PM** (mg/Nm^3):

Photographs indicating the status of the Industry



Pic 1: Aeration tank



Pic: 2 Chimney

E. Route of effluent to reach river Ganga/Yamuna
No nearby drain. River Ramganga about 10 KM

1	Name of officials inspecting	**Name & Designations**	**Signature**
		Shri M K Biswas, Sc 'C' CPCB Delhi	
		Shri Vijay, AEE Moradabad, UPPCB	
		Shri P P Singh, JEE RO Moradabad, UPPCB	
		Shri Ananda Kumar Ngangom, JRF CPCB Delhi	
2	Date of report Submission	9th September, 2014	

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CENTRAL POLLUTION CONTROL BOARD

NGRBA Cell

Joint inspection Report: Distillery

Date of Inspection: 04-09-2014

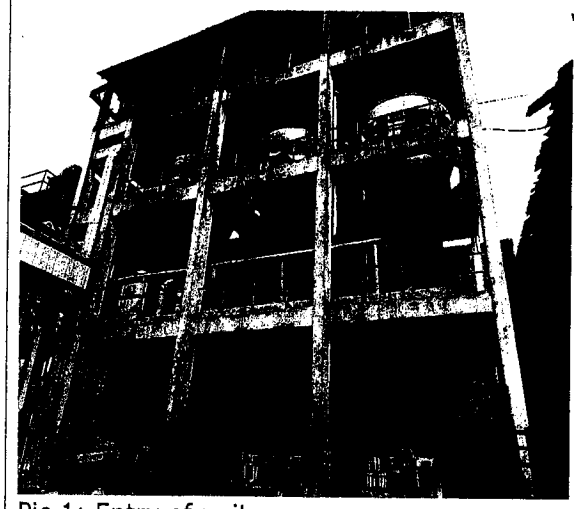
A: General Information			
1.	Name of the unit and address	M/S Radico Khetan Ltd., Bareilly Road, District-Rampur.	
2.	Name of the Proprietor/ Contact person – Designation Contact No.	Shri Devendra Singh, Senior Vice President Mob No- 09837471443	
3.	Year of Commissioning.	1943	
4.	Sector	Private	
5.	Production details. • Products • Installed Prod. Cap. • Consented Prod. Cap • Restricted Prod. Cap.	Rectified Spirit, ENA, Absolute Alcohol (Molasses based 220 KLD, Grain based 80 KLD, Malt based 2.5 KLD)	
6.	Raw materials & their requirement	Molasses, Grain, Malt	
7.	Operational status	Operating	
B: Water Pollution and its Control:			
1.	Water Supply Source	Tube well	
	Water Consumption (KLD)	Industrial	6600 KLD
		Domestic	380 KLD
2.	Water Meter to show consumption	Available	
3.	Flow measuring device installed at outlet of ETP	Not available	
4.	Waste Water generation (KLD) (before treatment) ➢ Industrial ➢ Domestic	 2900 KLD 300 KLD	
5.	Waste Water treatment capacity (KLD) ➢ Industrial ➢ Domestic	 240 KLD	

6.	Details of ETP ➢ ETP Description with flow diagram ➢ Details of Reverse Osmosis plant, if any ➢ Details of Multi Effect Evaporator, if any	Molasses- MEE→ Biomethanisation→ RO→ Bio Composting, Lagoons (58000 KL, 20000KL, 12000 KL) Grain- Cyclone separator →MEE →Cattle feed, Malt- Biomethanisation				
7.	Waste water discharged (after treatment)(KLD) ➢ Industrial Domestic	240 KLD (bottle washing, boiler blowdown)				
8.	Mode of disposal of treated effluent (Details)	Surface water (Municipal Drain)				
9.	Sample distributed into no. of parts (2/3)	03				
10.	Sludge disposal mode	Mixed with Biocompost				
11.	Effluent collection locations & analysis results (if collected)	**Locations**	**Parameters**			
			pH	**BOD (mg/l)**	**COD (mg/l)**	**TSS (mg/l)**
		Outlet				
		Others				
(I) Information regarding Bio-composting						
1.	Active area for bio compost preparation **(m^2)**	52 Acre (two locations)				
2.	Area for press mud storage **(m^2)**	3.0 Acre				
3.	Area for bio compost storage **(m^2)**	3.0 Acre				
4.	Spent wash storage capacity	3 Lagoons(58000 KL, 20000KL, 12000 KL)				
5.	Availability of pressmud	Sugar Mills				
6.	Quantity of compost prepared (Monthly statement of last year)	26036 MT				
7.	Quantity of press mud procured (Monthly statement)	89350 MT				
8.	Details of wind roses (Number, length, height, width of stacking, space between two wind rose)	31, length-—100) Height-1.5 m Width 2.5 m Gap-1.5 m				

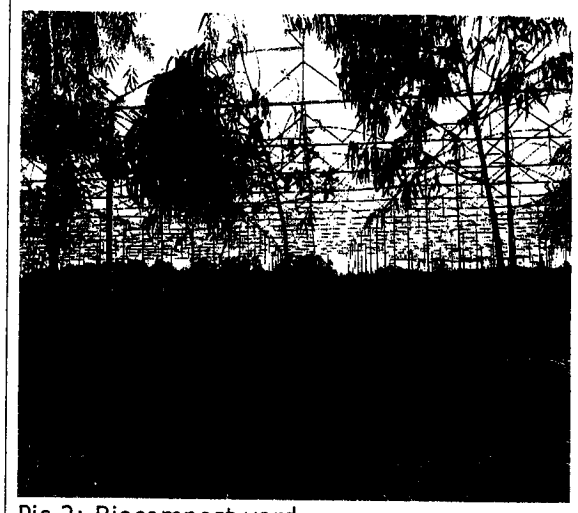
9.	Quantity of Effluent being used for composting (m^3/day) :	550 KLD (provision made to burn 120 KLD in boiler)
10.	Quantity of press mud being used for one cycle	36,000 MT per cycle
11.	Maturity time in days for one cycle	50-55 days
12.	Arrangement for rainy season	6.5 Acres covered land for Bio composting
13.	Quality of ground water in the area and depth of ground water table	Not measuring device
(II) Information regarding Ferti-irrigation N/A		
1.	Details of treatment of spent wash (details of bio methanisation, primary and secondary treatment)	
2.	Command area for irrigation (available land area)	Not Required
3.	System for dilution of treated effluent required for ferti-irrigation	Not Required
4.	System of transportation of treated effluent upto field.	
5.	Formal agreements with farmers for using treated effluent	
6.	Storage facility available for treated effluent during low demand period	
7.	Quality of effluent being used for ferti-irrigation	
8.	Ground water monitoring network	Not available
C: Air Pollution and its Control		
1.	Sources of Air Pollution	2 Boilers of 26 TPH & 30 TPH
2.	➢ Type of Fuel used with consumption	Biogass-69600 M^3/day with 26 TPH Boiler Rice Husk-120 MTD & Biogass 32000 M^3/day with 30 TPH Boiler
3.	➢ Stack details	45 M (Inner Dia 1.5 M) with 26 TPH Boiler 45 M (Inner Dia 1.5 M) with 30 TPH Boiler
4.	➢ APCS details	1. ESP with 30 TPH Boiler

5.	Samples collections points (if collected)	**PM** (mg/Nm^3): Result Awaited

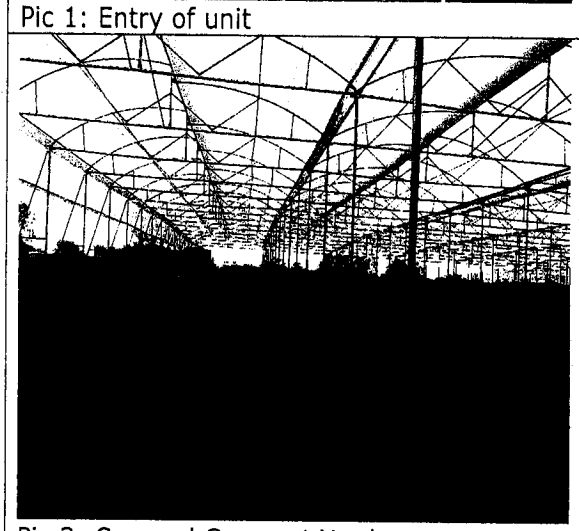
Photographs indicating the status of the Industry



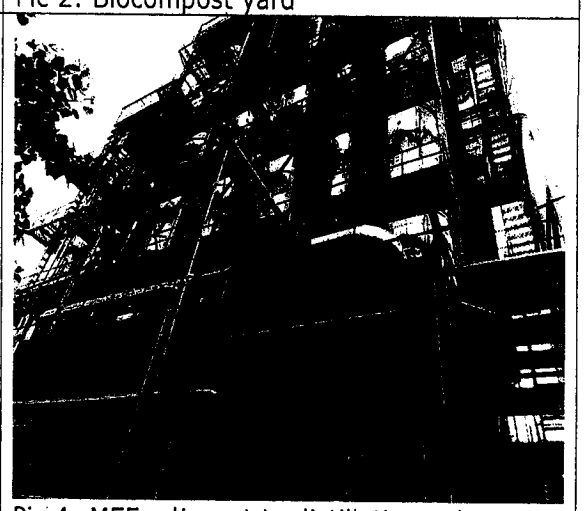
Pic 1: Entry of unit



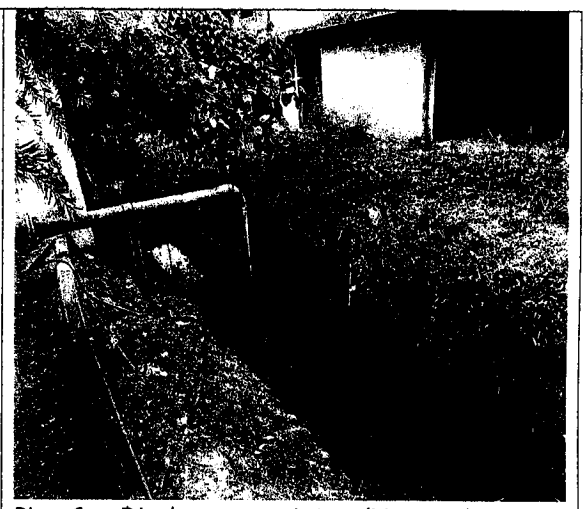
Pic 2: Biocompost yard



Pic 3: Covered Compost Yard



Pic 4: MEE adjacent to distillation column

 Pic: 5 Chimney	 Pic 6: Discharge points (V notch not available)

E. Route of effluent to reach river Ganga/Yamuna

Outlet of Unit→Municipal Drain→ Kosi Rive→ Ramganga

1	Name of officials inspecting	**Name & Designations**	**Signature**
		Shri M K Biswas, Sc 'C' CPCB Delhi	
		Shri Vijay, AEE Moradabad, UPPCB	
		Shri U C Shukla, ASO, Moradabad, UPPCB	
		Shri A K Vishwakarma, SA, Moradabad, UPPCB	
		Shri P P Singh, JEE RO Moradabad, UPPCB	
		Shri Ananda Kumar Ngangom, JRF CPCB Delhi	
		Shri D C Mishra, Monitoring Asst. RO Moradabad, UPPCB	
2	Date of report Submission	**9th September, 2014**	

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CENTRAL POLLUTION CONTROL BOARD
NGRBA Cell

Joint inspection Report: Distillery

Date of Inspection: 04-09-2014

A: General Information			
1.	Name of the unit and address	M/S Radico Khetan Ltd., Bareilly Road, District-Rampur.	
2.	Name of the Proprietor/ Contact person – Designation Contact No.	Shri Devendra Singh, Senior Vice President Mob No- 09837471443	
3.	Year of Commissioning.	1943	
4.	Sector	Private	
5.	Production details. • Products • Installed Prod. Cap. • Consented Prod. Cap • Restricted Prod. Cap.	Rectified Spirit, ENA, Absolute Alcohol (Molasses based 220 KLD, Grain based 80 KLD, Malt based 2.5 KLD)	
6.	Raw materials & their requirement	Molasses, Grain, Malt	
7.	Operational status	Operating	
B: Water Pollution and its Control:			
1.	Water Supply Source	Tube well	
	Water Consumption (KLD)	Industrial	6600 KLD
		Domestic	380 KLD
2.	Water Meter to show consumption	Available	
3.	Flow measuring device installed at outlet of ETP	Not available	
4.	Waste Water generation (KLD) (before treatment) ➢ Industrial ➢ Domestic	 2900 KLD 300 KLD	
5.	Waste Water treatment capacity (KLD) ➢ Industrial ➢ Domestic	 240 KLD	

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6.	Details of ETP ➢ ETP Description with flow diagram ➢ Details of Reverse Osmosis plant, if any ➢ Details of Multi Effect Evaporator, if any	Molasses- MEE→ Biomethanisation→ RO→ Bio Composting, Lagoons (58000 KL, 20000KL, 12000 KL) Grain- Cyclone separator →MEE →Cattle feed, Malt- Biomethanisation
7.	Waste water discharged (after treatment)(KLD) ➢ Industrial Domestic	240 KLD (bottle washing, boiler blowdown)
8.	Mode of disposal of treated effluent (Details)	Surface water (Municipal Drain)
9.	Sample distributed into no. of parts (2/3)	03
10.	Sludge disposal mode	Mixed with Biocompost
11.	Effluent collection locations & analysis results (if collected)	

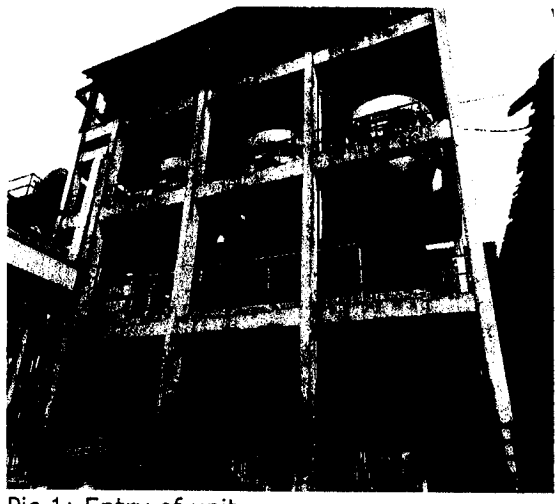
Locations (NGDL)	Parameters			
	pH	BOD (mg/l)	COD (mg/l)	TSS (mg/l)
Outlet (CPCB)	7.96	10	24	BDL
~~Others~~ outlet (SGS)	7.6	3	11	7.0

(I) Information regarding Bio-composting		
1.	Active area for bio compost preparation **(m^2)**	52 Acre (two locations)
2.	Area for press mud storage **(m^2)**	3.0 Acre
3.	Area for bio compost storage **(m^2)**	3.0 Acre
4.	Spent wash storage capacity	3 Lagoons(58000 KL, 20000KL, 12000 KL)
5.	Availability of pressmud	Sugar Mills
6.	Quantity of compost prepared (Monthly statement of last year)	26036 MT
7.	Quantity of press mud procured (Monthly statement)	89350 MT
8.	Details of wind roses (Number, length, height, width of stacking, space between two wind rose)	31, length-—100) Height-1.5 m Width 2.5 m Gap-1.5 m

9.	Quantity of Effluent being used for composting (m^3/day) :	550 KLD (provision made to burn 120 KLD in boiler)
10.	Quantity of press mud being used for one cycle	36,000 MT per cycle
11.	Maturity time in days for one cycle	50-55 days
12.	Arrangement for rainy season	6.5 Acres covered land for Bio composting
13.	Quality of ground water in the area and depth of ground water table	Not measuring device
(II) Information regarding Ferti-irrigation N/A		
1.	Details of treatment of spent wash (details of bio methanisation, primary and secondary treatment)	
2.	Command area for irrigation (available land area)	Not Required
3.	System for dilution of treated effluent required for ferti-irrigation	Not Required
4.	System of transportation of treated effluent upto field.	
5.	Formal agreements with farmers for using treated effluent	
6.	Storage facility available for treated effluent during low demand period	
7.	Quality of effluent being used for ferti-irrigation	
8.	Ground water monitoring network	Not available
C: Air Pollution and its Control		
1.	Sources of Air Pollution	2 Boilers of 26 TPH & 30 TPH
2.	➢ Type of Fuel used with consumption	Biogass-69600 M^3/day with 26 TPH Boiler Rice Husk-120 MTD & Biogass 32000 M^3/day with 30 TPH Boiler
3.	➢ Stack details	45 M (Inner Dia 1.5 M) with 26 TPH Boiler 45 M (Inner Dia 1.5 M) with 30 TPH Boiler
4.	➢ APCS details	1. ESP with 30 TPH Boiler

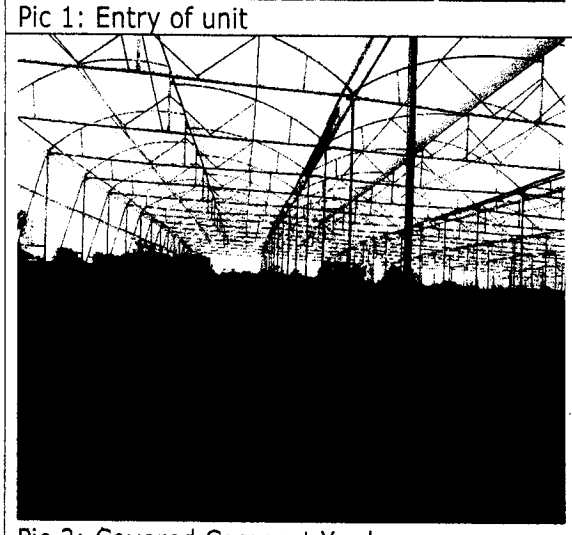
5.	Samples collections points (if collected)	**PM** (mg/Nm^3): Result Awaited

Photographs indicating the status of the Industry

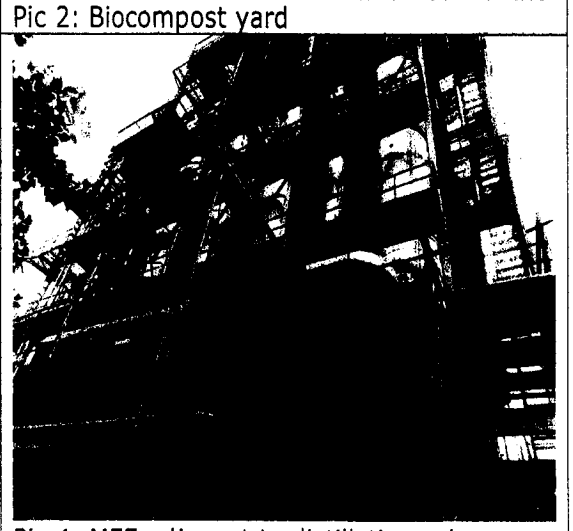


Pic 1: Entry of unit

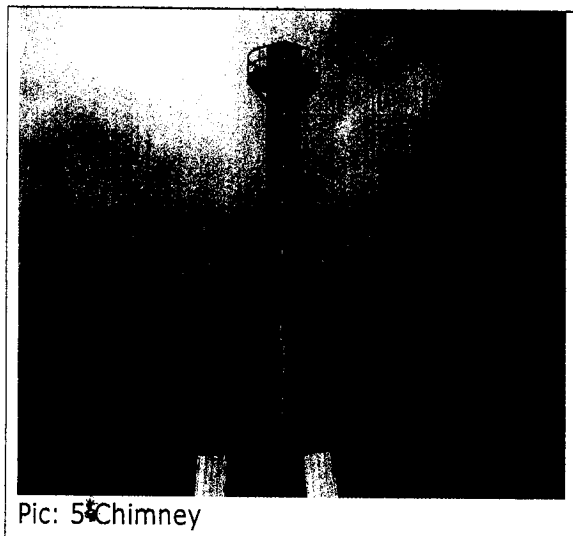
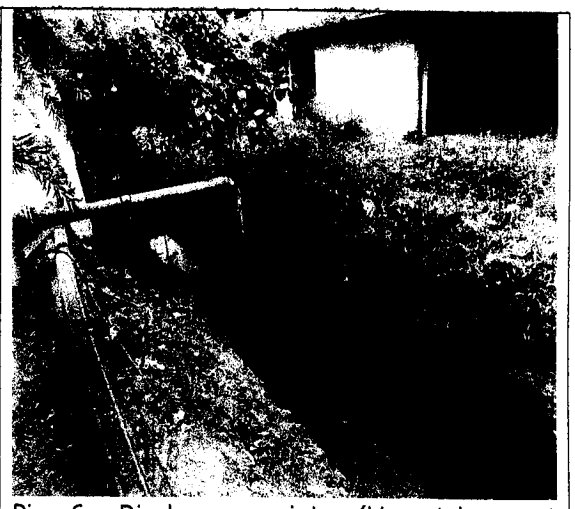
Pic 2: Biocompost yard



Pic 3: Covered Compost Yard



Pic 4: MEE adjacent to distillation column

 Pic: 5 Chimney	 Pic 6: Discharge points (V notch not available)

E. Route of effluent to reach river Ganga/Yamuna

Outlet of Unit→Municipal Drain→ Kosi Rive→ Ramganga

1	Name of officials inspecting	**Name & Designations**	**Signature**
		Shri M K Biswas, Sc 'C' CPCB Delhi	
		Shri Vijay, AEE Moradabad, UPPCB	
		Shri U C Shukla, ASO, Moradabad, UPPCB	
		Shri A K Vishwakarma, SA, Moradabad, UPPCB	
		Shri P P Singh, JEE RO Moradabad, UPPCB	
		Shri Ananda Kumar Ngangom, JRF CPCB Delhi	
		Shri D C Mishra, Monitoring Asst. RO Moradabad, UPPCB	
2	Date of report Submission	**9th September, 2014**	

CENTRAL POLLUTION CONTROL BOARD

NGRBA Cell

Joint inspection Report: Sugar

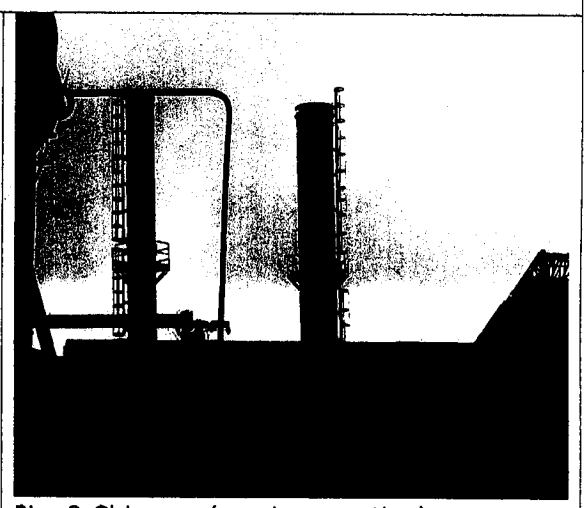
Date of Inspection: 04-09-2014

A: General Information			
1.	Name of the unit and address	M/S Rudra Bilas Kisan Sahkari Chini Mills Ltd., Bilaspur, Rampur	
2.	Name of the Proprietor/ Contact person – Designation Contact No.	Shri A. K. Sahni, Chief Chemist MOB. No- 09412849864	
3.	Year of Commissioning.	1978	
4.	Sector	Cooperative	
5.	Production details. • Products • Installed Prod. Cap • Operating capacity	Sugar 220 MTD	
6.	Cane crushing capacity	2200 TCD	
7.	Cane crushed last year	172315.499 MT	
8.	Molasses generation	7852.9 MT	
9.	Press Mud generation	5169.45 MT	
10.	Operational status	Non Operational due to off season	
B: Water Pollution and its Control:			
1.	Water Supply Source(s)	Tube well	
	Water Consumption (KLD)	Industrial	1320 KLD
		Domestic	302.94 KLD
2.	Water Meter to show consumption	Not Available	
3.	Flow measuring device installed at outlet of ETP	Not Available	
4.	Waste Water generation (KLD) (before treatment) ➢ Industrial ➢ Domestic	 400 KLD 240 KLD	
5.	Waste Water treatment capacity (KLD) ➢ Industrial ➢ Domestic	400 KLD	

1.	Sources of Air Pollution	Two Boilers of 20 TPH each
2.	➢ Type of Fuel used with consumption	Bagasse- 575 MTD
3.	➢ Stack details	30 Meter combined stack, Inner dia of Stack- 2.3 M
4.	➢ APCS details	1. Dust collector (Show cause notice issued by UPPCB to upgrade AMCS)
5.	Samples collections points (if collected)	**PM** (mg/Nm^3):

Photographs indicating locations:

Pic 1:Clarifier



Pic: 2 Chimney (one in operation)

E. Route of effluent to reach river Ganga/Yamuna

Kulli River→ West Begul River → Ramganga

1	Name of officials inspecting	**Name & Designations**	**Signature**
		Shri M K Biswas, Sc 'C' CPCB Delhi	
		Shri Vijay, AEE Moradabad, UPPCB	
		Shri P P Singh, JEE RO Moradabad, UPPCB	
		Shri Ananda Kumar Ngangom, JRF CPCB Delhi	
2	Date of report Submission	9th September, 2014	

6.	Details of ETP ➢ ETP Description with flow diagram ➢ Details of Reverse Osmosis plant, if any ➢ Details of Multi Effect Evaporator, if any	Bar Screen→ Oil & Grease Trap→ Equalization Tank → Aeration Tank →Secondary Clarifier → Sludge Drying Beds
7.	Waste water discharged (after treatment)(KLD) ➢ Industrial Domestic	 400 KLD 240 KLD
8.	Mode of disposal of treated effluent (Details)	On Land (Ferti Irrigation)
9.	Sample distributed into no. of parts (2/3)	N/A
10.	Sludge disposal mode	On land as manure

11.	Effluent collection locations & analysis results (if collected)	**Locations**	**Parameters**			
			pH	**BOD (mg/l)**	**COD (mg/l)**	**TSS (mg/l)**
		Outlet				
		Others				

(I) Information regarding Ferti-irrigation		
1.	Details of treatment effluent before Ferti-irrigation	Storage Lined Lagoon 4000 KL
2.	Command area for irrigation (available land area)	50 Acre own (Nearby Farmers Also)
3.	System for dilution of treated effluent required for ferti-irrigation	Not Required
4.	System of transportation of treated effluent upto field.	through Flexible pipe line
5.	Formal agreements with farmers for using treated effluent	Consent by farmers
6.	Storage facility available for treated effluent during low demand period	As per (1)
7.	Quality of effluent being used for ferti-irrigation	No measuring device
8.	Ground water monitoring network	Not available
C: Air Pollution and its Control		

CENTRAL POLLUTION CONTROL BOARD

NGRBA Cell

Joint inspection Report: Distillery

Date of Inspection: 04-09-2014

A: General Information			
1.	Name of the unit and address	M/S National Industrial Corporation Ltd., Raja Ka Sahaspur, Billari, District- Moradabad.	
2.	Name of the Proprietor/ Contact person – Designation Contact No.	Shri V.N. Ojha, General Manager, Ph. NO-09012270066	
3.	Year of Commissioning.	1943	
4.	Sector	Private	
5.	Production details. • Products • Installed Prod. Cap. • Consented Prod. Cap • Restricted Prod. Cap.	 ENA/RS/Absolute Alcohol 60 KLD 40 KLD 40 KLD	
6.	Raw materials & their requirement	Molasses-200 MTD	
7.	Operational status	Operating	
B: Water Pollution and its Control:			
1.	Water Supply Source Water Consumption (KLD)	Tube well	
		Industrial	1050 KLD
		Domestic	12 KLD
2.	Water Meter to show consumption	Available	
3.	Flow measuring device installed at outlet of ETP	Not available	
4.	Waste Water generation (KLD) (before treatment) ➢ Industrial ➢ Domestic	10 KL/kl oppr at 40 KLD 400 KLD 10 KLD	
5.	Waste Water treatment capacity (KLD) ➢ Industrial ➢ Domestic	750 KLD	

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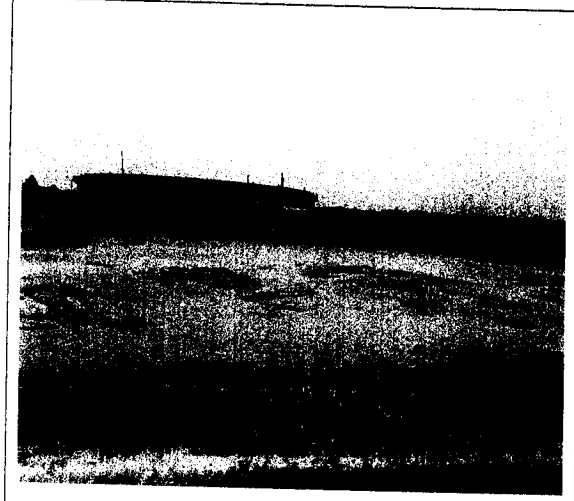
6.	Details of ETP ➢ ETP Description with flow diagram ➢ Details of Reverse Osmosis plant, if any ➢ Details of Multi Effect Evaporator, if anỹ	Bio digester → Settling pit→RO→Concentrated Effluent used in Bio composition Capacity of R O Plant-750 KLD Not installed
7.	Waste water discharged (after treatment)(KLD) ➢ Industrial Domestic	RO permeate after degasification used in cooling tower and Agriculture About 10 KLD
8.	Mode of disposal of treated effluent (Details)	On land (other than spent wash)
9.	Sample distributed into no. of parts (2/3)	3
10.	Sludge disposal mode	---

11.	Effluent collection locations & analysis results (if collected)	**Locations** (NGRD2)	**Parameters**			
			pH	**BOD (mg/l)**	**COD (mg/l)**	**TSS (mg/l)**
	CPCB	**RO permeate** after degasification	8.21	22	43	BDL
	SAS	~~**Others**~~ II	7.9	14	47	90

(I) Information regarding Bio-composting		
1.	Active area for bio compost preparation **(m^2)**	7.5 Acre
2.	Area for press mud storage **(m^2)**	2.0 Acre
3.	Area for bio compost storage **(m^2)**	2.5 Acre
4.	Spent wash storage capacity	22500 KL
5.	Availability of pressmud	Sugar Mills
6.	Quantity of compost prepared (Monthly statement of last year)	5400 MT
7.	Quantity of pressmen procured (Monthly statement)	17500 MT
8.	Details of wind roses (Number, length, height, width of stacking, space between two wind rose)	30, L-90 M, H-1.8 M, W-3 M. Distance between two windows 2 M.
9.	Quantity of Effluent being used for composting (m^3/day) :	190-200 M^3/day
10.	Quantity of press mud being used	3500-4200 MT

	for one cycle	
11.	Maturity time in days for one cycle	55-60 days
12.	Arrangement for rainy season	No such arrangement for covered composting observed however, Lining, catch pits and patch drains were present.
13.	Quality of ground water in the area and depth of ground water table	No measuring device
(II) Information regarding Ferti-irrigation		
1.	Details of treatment of spent wash (details of bio methanisation, primary and secondary treatment)	
2.	Command area for irrigation (available land area)	Not Required
3.	System for dilution of treated effluent required for ferti-irrigation	Not Required
4.	System of transportation of treated effluent upto field.	
5.	Formal agreements with farmers for using treated effluent	
6.	Storage facility available for treated effluent during low demand period	
7.	Quality of effluent being used for ferti-irrigation	
8.	Ground water monitoring network	(Available /Not available)
C: Air Pollution and its Control		
1.	Sources of Air Pollution	10 TPH
2.	➢ Type of Fuel used with consumption	Pet coke – 4.0 MTD Bio gas – 13000 m^3/day
3.	➢ Stack details	33 Meters (Inner Dia 1.8 Meter)
4.	➢ APCS details	1. Multi cyclone Dust Collector 2. 3. 4.
5.	Samples collections points (if collected)	**PM** (mg/Nm^3): Result Awaited

Photographs depicting status of the industry:



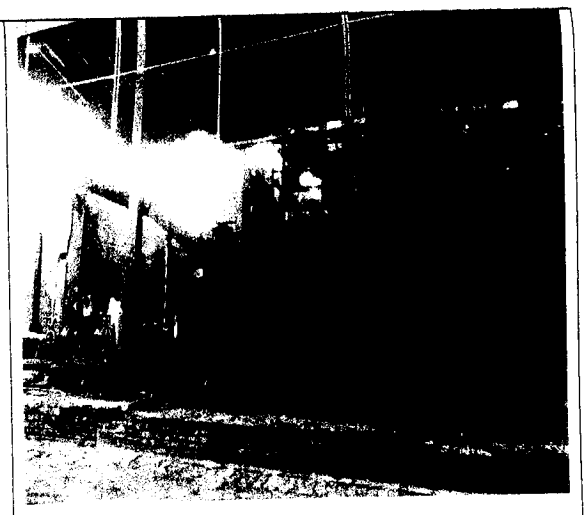
Pic 1: Bio digester and spent wash holding lagoons

Pic 2: RO

Pic 3: RO permeate after degasifier

Pic 3: Compost Yard

Pic: 5 Chimney



Pic 6: Multi cyclone

E. Route of effluent to reach river Ganga/Yamuna

Sahaspura Drains-→Aril Rive→ Ramganga River

1	Name of officials inspecting	**Name & Designations**	**Signature**
		Shri M K Biswas, Sc 'C' CPCB Delhi	
		Shri Vijay, AEE Moradabad, UPPCB	
		Shri U C Shukla, ASO, Moradabad, UPPCB	
		Shri A K Vishwakarma, SA, Moradabad, UPPCB	
		Shri P P Singh, JEE RO Moradabad, UPPCB	
		Shri Ananda Kumar Ngangom, JRF CPCB Delhi	
		Shri D C Mishra, Monitoring Asst. RO Moradabad, UPPCB	
2	Date of report Submission	**9th September, 2014**	

Annexure-XII 189

CENTRAL POLLUTION CONTROL BOARD

NGRBA Cell

Joint inspection Report: Sugar

Date of Inspection: 04-09-2014

A: General Information			
1.	Name of the unit and address	M/s Ajudhya Sugar Mills, Raja ka sahaspur, Bilari, Distt-Moradabad (U.P.)	
2.	Name of the Proprietor/ Contact person – Designation Contact No.	Shri Sachendra Singh, D.G.M. Production Mob. No.-08392912302	
3.	Year of Commissioning.	1940 New group operating since 2006	
4.	Sector	Private	
5.	Production details. • Products • Installed Prod. Cap • Operating capacity	 Sugar 300 MTD	
6.	Cane crushing capacity	3000 TCD	
7.	Cane crushed last year	224269.531 MT	
8.	Molasses generation(2013-14)	10272.8 MT	
9.	Press Mud generation (2013-14)	8881.06 MT	
10.	Operational status	**Non operational due to off season**	
B: Water Pollution and its Control:			
1.	Water Supply Source(s)	1. Tube well	
	Water Consumption (KLD)	Industrial	1900 KLD
		Domestic	62 KLD
2.	Water Meter to show consumption	Not available	
3.	Flow measuring device installed at outlet of ETP	Not available	
4.	Waste Water generation (KLD) (before treatment) ➢ Industrial ➢ Domestic	 1070 KLD 50 KLD	
5.	Waste Water treatment capacity (KLD) ➢ Industrial ➢ Domestic	Capacity-650 KLD	

6.	Details of ETP ➢ ETP Description with flow diagram ➢ Details of Reverse Osmosis plant, if any ➢ Details of Multi Effect Evaporator, if any	Bar Screen→ Oil and Grease Trap→ Equalization Tank → Primary Settling Tank→ Aeration Tank → Secondary Settling Tank → Carbon sand filter→ Sludge Drying Beds.
7.	Waste water discharged (after treatment)(KLD) ➢ Industrial Domestic	1070 KLD 50 KLD
8.	Mode of disposal of treated effluent (Details)	On land (Ferti Irrigation)
9.	Sample distributed into no. of parts (2/3)	N/A
10.	Sludge disposal mode	On land as manure

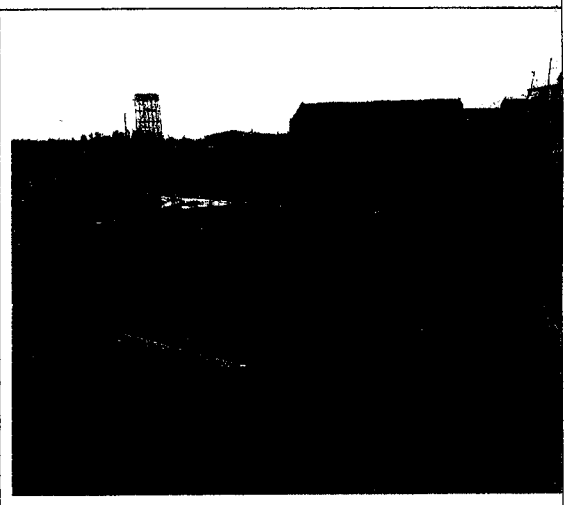
11.	Effluent collection locations & analysis results (if collected)	**Locations**	**Parameters**			
			pH	**BOD (mg/l)**	**COD (mg/l)**	**TSS (mg/l)**
		Outlet				
		Others				

(I) Information regarding Ferti-irrigation		
1.	Details of treatment effluent before Ferti-irrigation	Under Construction
2.	Command area for irrigation (available land area)	22 Acres own (Nearby farmers also)
3.	System for dilution of treated effluent required for ferti-irrigation	Not Required
4.	System of transportation of treated effluent upto field.	Flexible pipe line
5.	Formal agreements with farmers for using treated effluent	Consent by farmers
6.	Storage facility available for treated effluent during low demand period	As (1)
7.	Quality of effluent being used for ferti-irrigation	Not available
8.	Ground water monitoring network	Not available

C: Air Pollution and its Control		
1.	Sources of Air Pollution	Boiler of 26 TPH and 32 TPH
2.	➢ Type of Fuel used with consumption	Bagasse- 312 MTD with 26 TPH Boiler Bagasse- 360 MTD with 32 TPH Boiler
3.	➢ Stack details	with 26 TPH Boiler → Height 60 M, I.D. 2.5 m with 32 TPH Boiler→ Height 40 M, I.D.3.0 m
4.	➢ APCS details	1. Cyclone Type Dust Collector Separately with both boilers. (Unit under Maintenance)
5.	Samples collections points (if collected)	**PM** (mg/Nm^3):

Photographs depicting status of the industry

Pic 1: Entry



Pic 2: ETP (at least 1)

E. Route of effluent to reach river Ganga/Yamuna

Sahaspura Nala → Aril River → Ramganga → Ganga

1	Name of officials inspecting	**Name & Designations**	**Signature**
		Shri M K Biswas, Sc 'C' CPCB Delhi	
		Shri Vijay, AEE Moradabad, UPPCB	
		Shri P P Singh, JEE RO Moradabad, UPPCB	
		Shri Ananda Kumar Ngangom, JRF CPCB Delhi	
2	Date of report Submission	9th September, 2014	

Joint Inspection Report
Sugar & Distillery Industries
Muzaffarnagar (U.P)

Hon'ble Tribunal directed CPCB & UPPCB to carry out the Joint Inspection of the Sugar & Distillery industrial units operating and discharging the effluents in Rivers Ganga and Yumuna.
In this view, a team of CPCB & UPPCB comprises of following officials visited the Sugar & Distillery industrial units in Muzaffarnagar area:

Officials from CPCB, Delhi	Official/s from UPPCB
Sh. Suneel Dave, Sc. 'D' & I/c NGRBA Cell	Sh. Vivek Rai, RO
Sh. Azad Singh, RA-I	Sh. Yogender, Senior Officer

The following industries were inspected by the above team during 1st September, 2014 to 2nd September, 2014:

Sr. No.	Name & Address of Industrial Unit, visited	Joint Inspection Report
1.	M/s D.S.M Sugar, Mansurpur, Meerut Road Muzaffarnagar (U.P).	**Annexure-I**
2.	M/s Sir Shadi Lal Distillery & Chemical Works, Mansurpur, Muzaffarnagar (U.P).	**Annexure-II**
3.	M/s Triveni Enggineering & Industries Ltd (Sugar unit), Khatauli, Muzaffarnagar (U.P).	**Annexure-III**
4.	M/s Tikaula Sugar Mills Lts; Tikaula, Ramray, Muzaffarnagar (U.P).	**Annexure-IV**
5.	M/s Tikaula Distillery, Tikaula, Muzaffarngar (U.P).	**Annexure-V**
6.	M/s Triveni Engg. & Industries Ltd., Bilaspur, Jolly Road, Muzaffarnagar (U.P).	**Annexure-VI**
7.	M/s Bajaj Hindustan Ltd., Bhaisana, Muzaffarrnagar (U.P).	**Annexure-VII**
8.	M/s Upper Doab Sugar Mill, Shamli, Muzaffarnagar (U.P)	**Annexure-VIII**
9.	M/s Shamli Distilleries & Chemical Works, Shamli, Muzaffarnagar (U.P).	**Annexure-IX**
10.	M/s Unn Sugar Complex, Unn, Shamli, Muzaffarnagar (U.P).	**Annexure-X**
11.	M/s Bajaj Hindustan Ltd.,Thanabhawan, Shamli, Muzaffarnagar (U.P).	**Annexure-XI**

Observations:

1. All the Industrial plants were found not in operation during inspection and hence no production.
2. This implies that the Effluent Treatment Plants were also not in operation.

02/09/2014
(Suneel Dave)
Sc. 'D' & I/c NGRBA Cell
CPCB, Delhi

01/09/2014
(Vivek Rai)
Regional Officer
UPPCB, Muzaffarnagar

CENTRAL POLLUTION CONTROL BOARD

NGRBA Cell

Joint inspection Report: Sugar

Date of Inspection: 02-09-2014

A: General Information		
1.	Name of the unit and address	M/s Bajaj Hindustan Ltd., Thanabhawan Shamli, Muzaffarnagar (U.P).
2.	Name of the Proprietor/ Contact person – Designation Contact No.	Sh. Sanjay Tripathi (V.P)
3.	Year of Commissioning.	2005
4.	Sector	Private
5.	Production details. • Products • Installed Prod. Cap • Operating capacity	 Sugar 10000 TCD -
6.	Cane crushing capacity	10000 TCD
7.	Cane crushed last year	850897.192 Tonns
8.	Molasses generation	45276.800 Tonns
9.	Press Mud generation	37269.297 Tonns
10.	Operational status	Closed by direction.

B: Water Pollution and its Control:			
1.	Water Supply Source(s) Water Consumption (KLD)	1. Tube Well	
		Industrial	3280
		Domestic	70
2.	Water Meter to show consumption	Available	
3.	Flow measuring device installed at outlet of ETP	V notch (Flow measurement through calibration and manual means).	
4.	Waste Water generation (KLD) (before treatment) ➢ Industrial ➢ Domestic	 1000 (approx.) 50	
5.	Waste Water treatment capacity (KLD) ➢ Industrial ➢ Domestic	 1000 50	

6.	Details of ETP ➢ ETP Description with flow diagram ➢ Details of Reverse Osmosis plant, if any ➢ Details of Multi Effect Evaporator, if any	Oil & Grease trap ⟶ Chemical mixing Tank ⟶ Equalisation Tank ⟶ Primary Clarifier⟶ Aeration Tank⟶ Secondary Clarifier⟶ ACF/Sand filter & Sludge drying beds. - -
7.	Waste water discharged (after treatment)(KLD) ➢ Industrial Domestic	 1000 (approx) 50
8.	Mode of disposal of treated effluent (Details)	On land (Within factory premises).Howevei no assessment of same due to non-operatior of unit.
9.	Sample distributed into no. of parts (2/3)	Sample not collected as unit was not ir operation.
10.	Sludge disposal mode	On Horticulture land as manure.
11.	Effluent collection locations & analysis results (if collected) (No Sample)	**Locations** / **Parameters**: pH, BOD (mg/l), COD (mg/l), TSS (mg/l) **Outlet**: - - - - **Others**: - - - -
(I) Information regarding Ferti-irrigation		
1.	Details of treatment effluent before Ferti-irrigation	Activated sludge Treatment followed by sludge separation.
2.	Command area for irrigation (available land area)	Factory premises
3.	System for dilution of treated effluent required for ferti-irrigation	No details provided.
4.	System of transportation of treated effluent upto field.	Nill
5.	Formal agreements with farmers for using treated effluent	No record provided.
6.	Storage facility available for treated effluent during low demand period	No storage provided.
7.	Quality of effluent being used for ferti-irrigation	After secondary Treatment
8.	Ground water monitoring network	Available

C: Air Pollution and its Control		
1.	Sources of Air Pollution	Boilers
2.	➢ Type of Fuel used with consumption	Bagasses
3.	➢ Stack details	Stack Height > 30 mtrs.
4.	➢ APCS details	1. Wet Scrubber 2. 3. 4.
5.	Samples collections points (if collected) (No Sample)	**PM** (mg/Nm^3): --- ---

Photographs indicating locations: Photographs could not be taken due to out o battery-power of smart phone.

3.2" x3.2" Pic 1: Entry	Pic 2: ETP (at least 1)
Pic: 3 Chimney (All visible)	Pic 4: Discharge points

E. Route of effluent to reach river Ganga/Yamuna
(Please indicate starting from the outlet drain of the unit)

Effluent (Raw/Treated) from outlet drain of unit —Via Surface run-off from catchment→ Discharge to

River Yamuna via seasonal drain.

1	Name of officials inspecting	Name & Designations	Signature
		Sh. Suneel Dave, Sc 'D', CPCB	08/09/2014
		Sh. Vivek Roy, R.O UPPCB, Muzaffarnagar.	08/9/14
		Sh. Yogender, UPPCB, Muzaffarnagar.	08/9/14
		Sh. Azad Singh, RA-1, CPCB	08/09/14
2	Date of report Submission		08/09/2014

CENTRAL POLLUTION CONTROL BOARD
NGRBA Cell
Joint inspection Report: Sugar

Date of Inspection: 02-09-2014

A: General Information		
1.	Name of the unit and address	M/s Unn Sugar Complex, Unn, Shamli Muzaffarnagar (U.P).
2.	Name of the Proprietor/ Contact person – Designation Contact No.	Sh. Anil Gupta (G.M; Engg.) 09759215635
3.	Year of Commissioning.	1996
4.	Sector	Private
5.	Production details. • Products • Installed Prod. Cap • Operating capacity	Sugar 4200 TCD 4000-4200 TCD
6.	Cane crushing capacity	4200 TCD
7.	Cane crushed last year	517634.970 Tonns
8.	Molasses generation	27339.500 Tonns
9.	Press Mud generation	25208.823 Tonns
10.	Operational status	Non Operational (Seasonal industry)

B: Water Pollution and its Control:			
1.	Water Supply Source(s) Water Consumption (KLD)	1. Tube Well	
		Industrial	2000
		Domestic	231
2.	Water Meter to show consumption	Available	
3.	Flow measuring device installed at outlet of ETP	Available-V notch. Flow measurement by calibration and manual means.	
4.	Waste Water generation (KLD) (before treatment) ➢ Industrial ➢ Domestic	 1000 (approx.) 170	
5.	Waste Water treatment capacity (KLD) ➢ Industrial ➢ Domestic	 1200 170	

6.	Details of ETP ➢ ETP Description with flow diagram ➢ Details of Reverse Osmosis plant, if any ➢ Details of Multi Effect Evaporator, if any	Screens → Oil & Grease trap → Lime Tank → Primary Clarifier → Aeration Tank → Secondary Clarifier → Lagoon & Sludge drying beds. - -
7.	Waste water discharged (after treatment)(KLD) ➢ Industrial Domestic	 1000 (approx) Nill
8.	Mode of disposal of treated effluent (Details)	On land. However no assessment of same due to non-operation of unit.
9.	Sample distributed into no. of parts (2/3)	Sample not collected as unit was not in operation.
10.	Sludge disposal mode	On Agriculture land as manure.
11.	Effluent collection locations & analysis results (if collected) (No Sampe)	**Locations** / **Parameters**: pH, BOD (mg/l), COD (mg/l), TSS (mg/l) **Outlet**: - - - - **Others**: - - - -
(I) Information regarding Ferti-irrigation		
1.	Details of treatment effluent before Ferti-irrigation	Aerobic Treatment followed by secondary clarifier & lagooning.
2.	Command area for irrigation (available land area)	23 Hectare approx (Own farm)
3.	System for dilution of treated effluent required for ferti-irrigation	Nill
4.	System of transportation of treated effluent upto field.	Direct (via channel) as well as through Tankers
5.	Formal agreements with farmers for using treated effluent	No record provided/
6.	Storage facility available for treated effluent during low demand period	Lagoon
7.	Quality of effluent being used for ferti-irrigation	After Secondary treatment
8.	Ground water monitoring network	Available
C: Air Pollution and its Control		

1.	Sources of Air Pollution	Boilers
2.	➢ Type of Fuel used with consumption	Bagasses 900 TPD (approx.)
3.	➢ Stack details	Stack Height >30 mtrs.
4.	➢ APCS details	1. 2. 3. 4.
5.	Samples collections points (if collected) (No sample)	**PM** (mg/Nm^3): --- --------

Photographs indicating locations: Photographs could not be saved due to low battery.

3.2" x3.2" Pic 1: Entry	Pic 2: ETP (at least 1)
Pic: 3 Chimney (All visible)	Pic 4: Discharge points

E. Route of effluent to reach river Ganga/Yamuna
(Please indicate starting from the outlet drain of the unit)

Effluent (Raw/Treated) from outlet drain of unit —Via Surface run-off from catchment→ Discharge to River Yamuna via seasonal drain.

1	Name of officials inspecting	Name & Designations	Signature
		Sh. Suneel Dave, Sc 'D', CPCB	08/09/2014
		Sh. Vivek Roy, R.O UPPCB, Muzaffarnagar.	08/09/14.
		Sh. Yogender, UPPCB, Muzaffarnagar.	08/9/14
		Sh. Azad Singh, RA-1, CPCB	08/09/14
		—	—
2	Date of report Submission		08/09/2014

CENTRAL POLLUTION CONTROL BOARD

NGRBA Cell

Joint inspection Report: Sugar

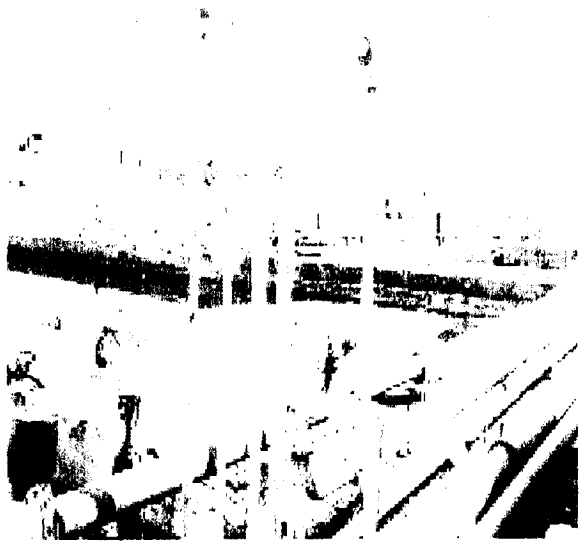
Date of Inspection: 02-09-2014

A: General Information			
1.	Name of the unit and address	M/s Upper Doab Sugar Mill, Shamli, Distt-Muzaffarnagar (U.P).	
2.	Name of the Proprietor/ Contact person – Designation Contact No.	 Sh. A.M. Garg (A.G.M) 09412212082	
3.	Year of Commissioning.	1933	
4.	Sector	Private	
5.	Production details. • Products • Installed Prod. Cap • Operating capacity	 Sugar 600 Tonns/day -	
6.	Cane crushing capacity	6250 Tonn/day	
7.	Cane crushed last year	879203.500 Tonns	
8.	Molasses generation	43676.100 Tonns (During last year)	
9.	Press Mud generation	37102.400 Tonns (During last year)	
10.	Operational status	Closed by Owner (due to off-season)	
B: Water Pollution and its Control:			
1.	Water Supply Source(s)	1. Tube Well	
		Industrial	2900 (approx.)
	Water Consumption (KLD)	Domestic	500
2.	Water Meter to show consumption	Available	
3.	Flow measuring device installed at outlet of ETP	Not available	
4.	Waste Water generation (KLD) (before treatment) ➢ Industrial ➢ Domestic	 1500 (approx.) 350	
5.	Waste Water treatment capacity (KLD) ➢ Industrial ➢ Domestic	 1600 (approx.) -	

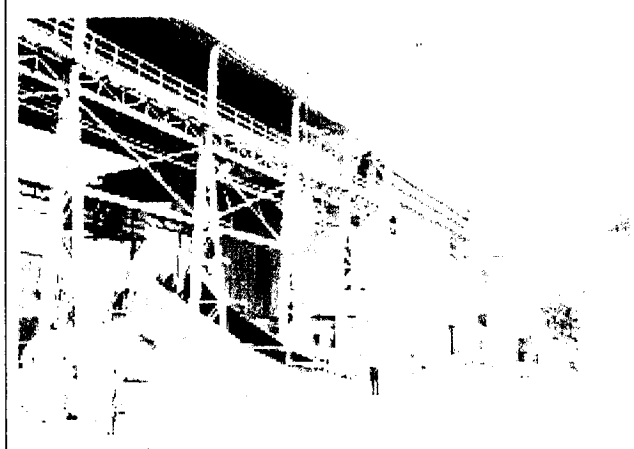
6.	Details of ETP ➢ ETP Description with flow diagram ➢ Details of Reverse Osmosis plant, if any ➢ Details of Multi Effect Evaporator, if any	Roori filter ⟶ Oil & Grease trap ⟶ Lime Tank ⟶ Aerobic Lagoon ⟶ Clarifier ⟶ Sludge drying beds. - -
7.	Waste water discharged (after treatment)(KLD) ➢ Industrial Domestic	1500 (approx). -
8.	Mode of disposal of treated effluent (Details)	On land. However no assessment of same due to non-operation of unit.
9.	Sample distributed into no. of parts (2/3)	Sample not collected as unit was not in operation.
10.	Sludge disposal mode	On Agriculture/Horticulture land as manure.
11.	Effluent collection locations & analysis results (if collected) **(No Sample)**	**Locations** / **Parameters**: pH, BOD (mg/l), COD (mg/l), TSS (mg/l) **Outlet**: - | - | - | - **Others**: - | - | - | -
(I) Information regarding Ferti-irrigation		
1.	Details of treatment effluent before Ferti-irrigation	Aerobic lagooning followed by sludge separation.
2.	Command area for irrigation (available land area)	20 acre app
3.	System for dilution of treated effluent required for ferti-irrigation	Not provided.
4.	System of transportation of treated effluent upto field.	Not provided.
5.	Formal agreements with farmers for using treated effluent	N/A
6.	Storage facility available for treated effluent during low demand period	Storage Tank provided
7.	Quality of effluent being used for ferti-irrigation	After Secondary treatment
8.	Ground water monitoring network	Available
C: Air Pollution and its Control		
1.	Sources of Air Pollution	Boilers 4 Nos
2.	➢ Type of Fuel used with consumption	

		Bagasses approx. 1500 TPD
3.	➢ Stack details	Stack Height> 30 mtrs.
4.	➢ APCS details	1. Wet Scrubber 2. 3. 4.
5.	Samples collections points (if collected) **(No Sample)**	**PM** (mg/Nm^3): --- ---
Photographs indicating locations:		
3.2" x3.2"		

Pic 1: Entry



Pic 2: ETP (at least 1)

 Pic: 3 Chimney (All visible)	 Pic 4: Discharge points

E. Route of effluent to reach river Ganga/Yamuna
(Please indicate starting from the outlet drain of the unit)

Effluent (Raw/Treated) from outlet drain of unit → (Surface run-off/Intentional bypass) → Storm-line/ Sewer line → Municipal main sewer/Nalla → Discharge to River Yamuna via seasonal drain.

1	Name of officials inspecting	Name & Designations	Signature
		Sh. Suneel Dave, Sc 'D', CPCB	08/09/2014
		Sh. Vivek Roy, R.O UPPCB, Muzaffarnagar.	08/09/14
		Sh. Yogender, UPPCB, Muzaffarnagar.	08/9/14
		Sh. Azad Singh, RA-1, CPCB	08/09/14
2	Date of report Submission	08/09/2014	

CENTRAL POLLUTION CONTROL BOARD
NGRBA Cell

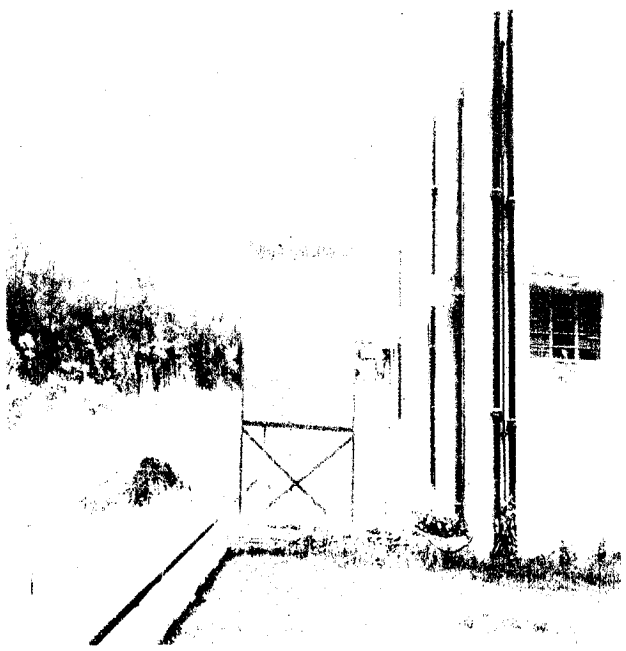
Joint inspection Report: Sugar

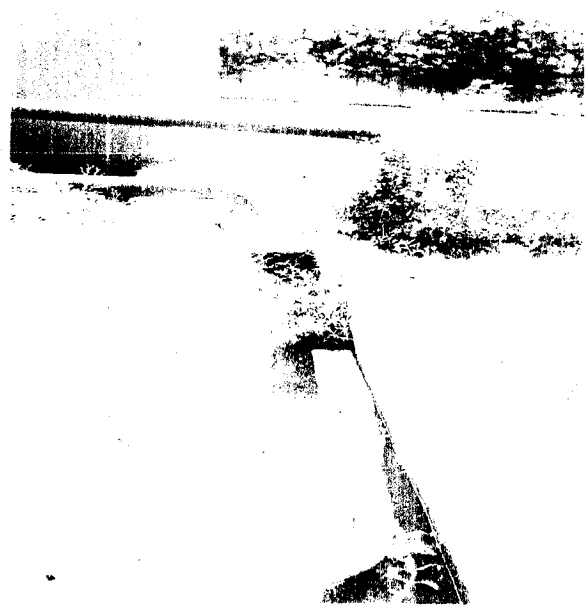
Date of Inspection: 02-09-2014

A: General Information			
1.	Name of the unit and address	M/s Bajaj Hindustan Ltd., Bhaisana, Muzaffarrnagar (U.P).	
2.	Name of the Proprietor/ Contact person – Designation Contact No.	Sh. R.S.Choudhary (Vice President & unit head)	
3.	Year of Commissioning.	2005	
4.	Sector	Private	
5.	Production details. • Products • Installed Prod. Cap • Operating capacity	Sugar 10000 TCD -	
6.	Cane crushing capacity	10000 TCD	
7.	Cane crushed last year	1084824.320 Tonns	
8.	Molasses generation	58044.200 Tonns	
9.	Press Mud generation	47406.822 Tonns	
10.	Operational status	Closed by direction.	
B: Water Pollution and its Control:			
1.	Water Supply Source(s) Water Consumption (KLD)	1. Tube Well	
		Industrial	3460
		Domestic	70
2.	Water Meter to show consumption	Available	
3.	Flow measuring device installed at outlet of ETP	V notch (Flow measurement through calibration and manual means).	
4.	Waste Water generation (KLD) (before treatment) ➢ Industrial ➢ Domestic	 1000 50	
5.	Waste Water treatment capacity (KLD) ➢ Industrial ➢ Domestic	 1000 (approx.) 50 (Septic Tank)	

6.	Details of ETP ➢ ETP Description with flow diagram ➢ Details of Reverse Osmosis plant, if any ➢ Details of Multi Effect Evaporator, if any	Oil & Grease trap ⟶ Chemical mixing Tank ⟶ Equalisation Tank ⟶ Primary Clarifier⟶ Aeration Tank⟶ Secondary Clarifier⟶ ACF/Sand filter & Sludge drying beds. - -
7.	Waste water discharged (after treatment)(KLD) ➢ Industrial Domestic	 1000 (approx) 50
8.	Mode of disposal of treated effluent (Details)	On land (Within factory premises). However no assessment of same due to non-operation of unit.
9.	Sample distributed into no. of parts (2/3)	Sample not collected as unit was not in operation.
10.	Sludge disposal mode	On Horticulture land as manure.
11.	Effluent collection locations & analysis results (if collected) (No Sample)	**Locations** / **Parameters**: pH, BOD (mg/l), COD (mg/l), TSS (mg/l) **Outlet**: - - - - **Others**: - - - -

(I) Information regarding Ferti-irrigation		
1.	Details of treatment effluent before Ferti-irrigation	Activated sludge Treatment followed by sludge separation.
2.	Command area for irrigation (available land area)	Factory premises
3.	System for dilution of treated effluent required for ferti-irrigation	No details provided.
4.	System of transportation of treated effluent upto field.	Nill
5.	Formal agreements with farmers for using treated effluent	No record provided.
6.	Storage facility available for treated effluent during low demand period	No storage provided.
7.	Quality of effluent being used for ferti-irrigation	After secondary Treatment
8.	Ground water monitoring network	Available

C: Air Pollution and its Control		
1.	Sources of Air Pollution	Boilers
2.	➢ Type of Fuel used with consumption	Bagasses
3.	➢ Stack details	Stack Height >30 meters.
4.	➢ APCS details	1. Wet Scrubber 2. 3. 4.
5.	Samples collections points (if collected) (No Sample)	**PM** (mg/Nm^3): --- ---
Photographs indicating locations:		
3.2" x3.2"  Pic 1: Entry		 Pic 2: ETP (at least 1)

 Pic: 3 Chimney (All visible)	 Pic 4: Discharge points

E. Route of effluent to reach river Ganga/Yamuna
(Please indicate starting from the outlet drain of the unit)

Effluent (Raw/Treated) from outlet drain of unit —Via Surface run-off from catchment→ Discharge to River Yamuna via seasonal drain.

1	Name of officials inspecting	Name & Designations	Signature
		Sh. Suneel Dave, Sc 'D', CPCB	08/09/2014
		Sh. Vivek Roy, R.O UPPCB, Muzaffarnagar.	08/09/14
		Sh. Yogender, UPPCB, Muzaffarnagar.	08/9/14
		Sh. Azad Singh, RA-1, CPCB	08/09/14
2	Date of report Submission		08/09/2014

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CENTRAL POLLUTION CONTROL BOARD

NGRBA Cell

Joint inspection Report: Sugar

Date of Inspection: 01-09-2014

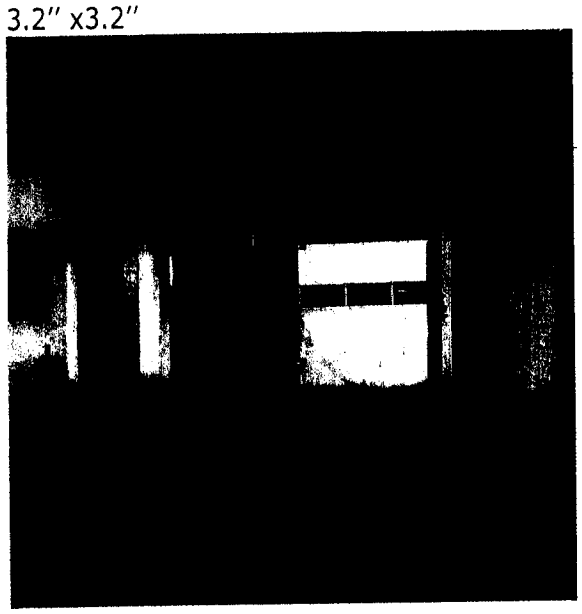
A: General Information		
1.	Name of the unit and address	M/s Tikaula Sugar Mills Lts; Tikaula, Ramray Muzaffarnagar (U.P).
2.	Name of the Proprietor/ Contact person – Designation Contact No.	Sh. R.K Jain (Occupier)
3.	Year of Commissioning.	1998-1999
4.	Sector	Private
5.	Production details. • Products • Installed Prod. Cap • Operating capacity	 Sugar 700 MT 700 MT
6.	Cane crushing capacity	7000 Tonn/day
7.	Cane crushed last year	651342.171 Tonns
8.	Molasses generation	30850.00 Tonns
9.	Press Mud generation	28791.9 Tonns
10.	Operational status	Closed by Own (due to off- season)
B: Water Pollution and its Control:		
1.	Water Supply Source(s) Water Consumption (KLD)	1. 2 Nos. Tube Well Industrial 3600 Domestic 200
2.	Water Meter to show consumption	Not available
3.	Flow measuring device installed at outlet of ETP	V Notch available (Flow recording through calibration & manual measurement).
4.	Waste Water generation (KLD) (before treatment) ➢ Industrial ➢ Domestic	 1200 40
5.	Waste Water treatment capacity (KLD) ➢ Industrial ➢ Domestic	 1200 -

6.	Details of ETP ➢ ETP Description with flow diagram ➢ Details of Reverse Osmosis plant, if any ➢ Details of Multi Effect Evaporator, if any	Oil & Grease trap ⟶ Primary Clarifier ⟶ Aeration Tank ⟶ Secondary Clarifier⟶ Sludge drying beds. - -
7.	Waste water discharged (after treatment)(KLD) ➢ Industrial Domestic	 1200 -
8.	Mode of disposal of treated effluent (Details)	On land. However no assessment of same due to non-operation of unit.
9.	Sample distributed into no. of parts (2/3)	Sample not collected as unit was not in operation.
10.	Sludge disposal mode	Bio-composting.
11.	Effluent collection locations & analysis results (if collected) **(No Sample)**	**Locations** / **Parameters**: pH, BOD (mg/l), COD (mg/l), TSS (mg/l) **Outlet**: - - - - **Others**: - - - -
(I) Information regarding Ferti-irrigation		
1.	Details of treatment effluent before Ferti-irrigation	Aerobic treatment followed by sludge separation.
2.	Command area for irrigation (available land area)	Nearby agriculture land
3.	System for dilution of treated effluent required for ferti-irrigation	Not available
4.	System of transportation of treated effluent upto field.	Through tankers.
5.	Formal agreements with farmers for using treated effluent	Record not provided.
6.	Storage facility available for treated effluent during low demand period	Lagoons in ETP of Tikaula distillery.
7.	Quality of effluent being used for ferti-irrigation	After secondary Treatment
8.	Ground water monitoring network	Available
C: Air Pollution and its Control		
1.	Sources of Air Pollution	Boilers 3 Nos; (Total capacity 145 Tonns)
2.	➢ Type of Fuel used with consumption	Bagasses

3.	➢ Stack details	Stack Height >30 mtrs.
4.	➢ APCS details	1. Wet scrubber 2. 3. 4.
5.	Samples collections points (if collected) **(No Sample)**	**PM** (mg/Nm^3): ---------- ------

Photographs indicating locations:

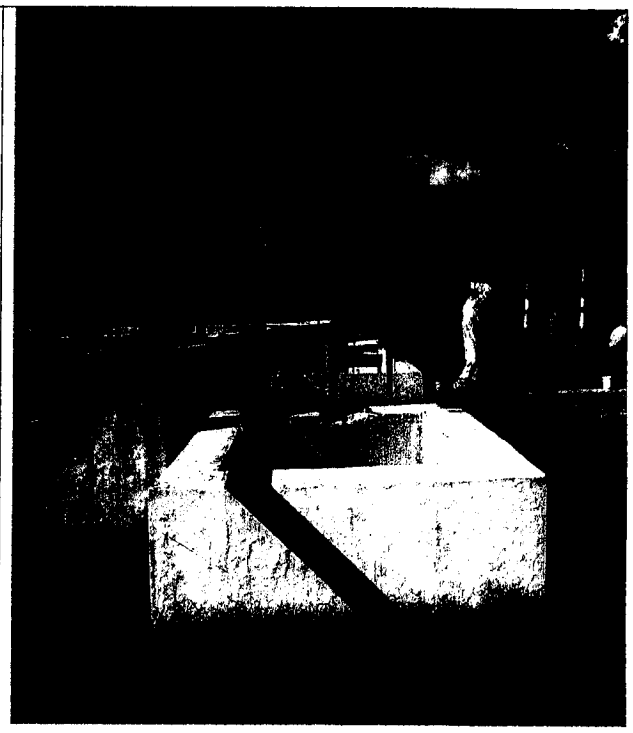
3.2" x3.2"



Pic 1: Entry

Pic 2: ETP (at least 1)

Pic: 3 Chimney (All visible)



Pic 4: Discharge points

E. Route of effluent to reach river Ganga/Yamuna
(Please indicate starting from the outlet drain of the unit)

Effluent (Raw/Treated) from outlet drain of unit —via Surface run-off from catchment→ Discharge to River Ganga via tributary/seasonal drain.

1	Name of officials inspecting	Name & Designations	Signature
		Sh. Suneel Dave, Sc 'D', CPCB	08/09/14
		Sh. Vivek Roy, R.O UPPCB, Muzaffarnagar.	08/09/14
		Sh. Yogender, UPPCB, Muzaffarnagar.	08/9/14
		Sh. Azad Singh, RA-1, CPCB	08/09/14
2	Date of report Submission		

CENTRAL POLLUTION CONTROL BOARD
NGRBA Cell

Joint inspection Report: Sugar

Date of Inspection: 01-09-2014

A: General Information			
1.	Name of the unit and address	M/s Triveni Enggineering & Industries Ltd (Sugar unit), Khatauli, Muzaffarnagar (U.P).	
2.	Name of the Proprietor/ Contact person – Designation Contact No.	Sh. Niranjan Singh (AGM;legal)/ Sh. Deep Malik (Sr. Manager; Process) 09897055900/09634105999	
3.	Year of Commissioning.	1933	
4.	Sector	Private	
5.	Production details. • Products • Installed Prod. Cap • Operating capacity	 Refined Sugar 1600 TPD -	
6.	Cane crushing capacity	16000 Tonn/day	
7.	Cane crushed last year	1264959.556 Tonns	
8.	Molasses generation	62532.80 Tonns	
9.	Press Mud generation	62615.495 Tonns	
10.	Operational status	Closed by Own (due to off-season)	
B: Water Pollution and its Control:			
1.	Water Supply Source(s) Water Consumption (KLD)	1. Tube Well	
		Industrial	5500
		Domestic	1000
2.	Water Meter to show consumption	Available	
3.	Flow measuring device installed at outlet of ETP	V Notch; flow measurement through calibration and manual means.	
4.	Waste Water generation (KLD) (before treatment) ➢ Industrial ➢ Domestic	 1800 (approx.) 600	
5.	Waste Water treatment capacity (KLD) ➢ Industrial ➢ Domestic	 1650 600	

6.	**Details of ETP** ➢ ETP Description with flow diagram ➢ Details of Reverse Osmosis plant, if any ➢ Details of Multi Effect Evaporator, if any	Oil & Grease trap ⟶ Anaerobic Pond ⟶ Aeration Tank ⟶ Clarifier ⟶ Lagoon & Sludge drying beds. - ETP units needs upgradation in maintenance practices. - Unlikely.
7.	Waste water discharged (after treatment)(KLD) ➢ Industrial Domestic	 1650. 600
8.	Mode of disposal of treated effluent (Details)	On land. However no assessment of same due to non-operation of unit.
9.	Sample distributed into no. of parts (2/3)	Sample not collected as unit was not in operation.
10.	Sludge disposal mode	As manure on land for agriculture.
11.	Effluent collection locations & analysis results (if collected) **(No Sample)**	

Locations	**Parameters**			
	pH	**BOD (mg/l)**	**COD (mg/l)**	**TSS (mg/l)**
Outlet	-	-	-	-
Others	-	-	-	-

(I) Information regarding Ferti-irrigation		
1.	Details of treatment effluent before Ferti-irrigation	Anaerobic-Aerobic treatment followed by sludge separation and lagooning.
2.	Command area for irrigation (available land area)	Nearby agriculture land (approx. 34 hectare)
3.	System for dilution of treated effluent required for ferti-irrigation	Mixing with ground water.
4.	System of transportation of treated effluent upto field.	Through Hume Pipe
5.	Formal agreements with farmers for using treated effluent	No record provided.
6.	Storage facility available for treated effluent during low demand period	Lagoons
7.	Quality of effluent being used for ferti-irrigation	After secondary Treatment
8.	Ground water monitoring network	Available
C: Air Pollution and its Control		
1.	Sources of Air Pollution	Boilers 3 Nos; (Total capacity 145 Tonns)
2.	➢ Type of Fuel used with consumption	Bagasses

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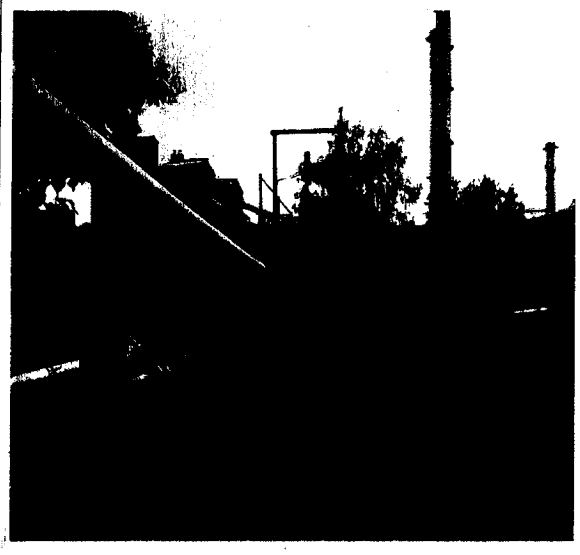
3.	➢ Stack details	Stack Height >30 mtrs.
4.	➢ APCS details	1. 2. 3. 4.
5.	Samples collections points (if collected) **(No Sample)**	**PM** (mg/Nm^3): ----------

Photographs indicating locations:

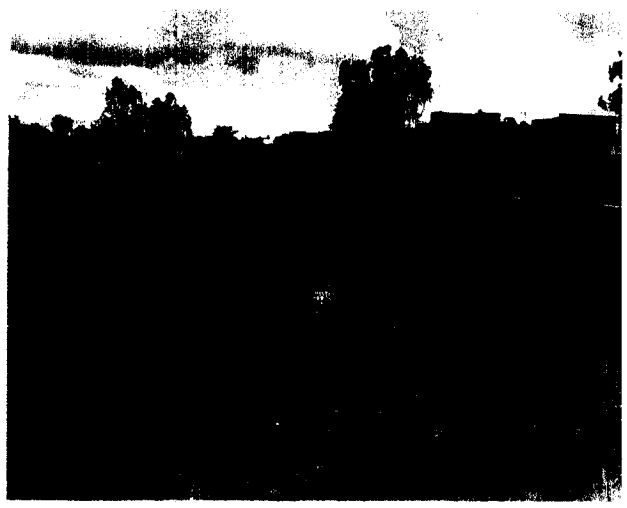
3.2" x3.2"

Pic 1: Entry

Pic 2: ETP (at least 1)



Pic: 3 Chimney (All visible)



Pic 4: Discharge points

E. Route of effluent to reach river Ganga/Yamuna
(Please indicate starting from the outlet drain of the unit)

Effluent (Raw/Treated) from outlet drain of unit —Surface run-off/Intentional bypass→ Storm-line/ Sewer line → Municipal main sewer/Nalla → Discharge to River Ganga via tributary/seasonal drain.

1	Name of officials inspecting	Name & Designations	Signature
		Sh. Suneel Dave, Sc 'D', CPCB	08/9/2014
		Sh. Vivek Roy, R.O UPPCB, Muzaffarnagar.	08/9/14
		Sh. Yogender, UPPCB, Muzaffarnagar.	08/9/14
		Sh. Azad Singh, RA-1, CPCB	08/09/14
		—	—
2	Date of report Submission	08/09/2014	

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CENTRAL POLLUTION CONTROL BOARD

NGRBA Cell

Joint inspection Report: Sugar

Date of Inspection: 01-09-2014

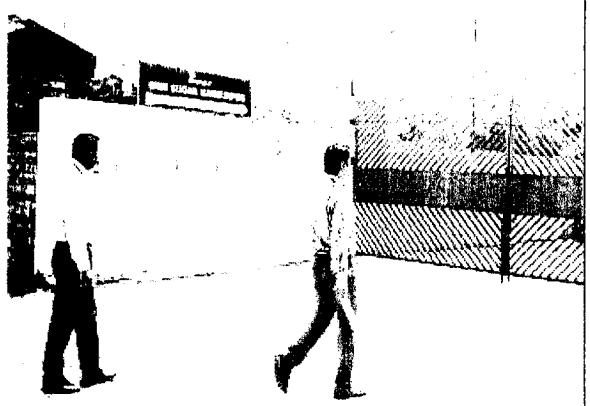
A: General Information			
1.	Name of the unit and address	M/s D.S.M Sugar, Mansurpur, Meerut Road Muzaffarnagar (U.P).	
2.	Name of the Proprietor/ Contact person – Designation Contact No.	Sh. Sanjay Sharma (V.P)/ Sh. Sarad Raz Khan (Dy Mgr, Q.C) 0171717833	
3.	Year of Commissioning.	1933	
4.	Sector	Private	
5.	Production details. • Products • Installed Prod. Cap • Operating capacity	 Sugar 7000 TCD -	
6.	Cane crushing capacity	7000 Tonn/day	
7.	Cane crushed last year	848700 Tonns	
8.	Molasses generation	42100 Tonns (During last year)	
9.	Press Mud generation	29700 Tonns (During last year)	
10.	Operational status	Closed by Own (due to off season)	
B: Water Pollution and its Control:			
1.	Water Supply Source(s)	1. 3 Nos. Tube Well	
	Water Consumption (KLD)	Industrial	2500 (approx.)
		Domestic	100
2.	Water Meter to show consumption	Not available	
3.	Flow measuring device installed at outlet of ETP	Not available	
4.	Waste Water generation (KLD) (before treatment) ➢ Industrial ➢ Domestic	 1500 (approx.) 100	
5.	Waste Water treatment capacity (KLD) ➢ Industrial ➢ Domestic	 1500 (approx.) -	

6.	Details of ETP ➢ ETP Description with flow diagram ➢ Details of Reverse Osmosis plant, if any ➢ Details of Multi Effect Evaporator, if any	Oil & Grease trap ⟶ Primary Clarifier ⟶ Equalization Tank⟶ Aeration Tank⟶ Secondary Clarifier - -
7.	Waste water discharged (after treatment)(KLD) ➢ Industrial Domestic	1500 (approx.) -
8.	Mode of disposal of treated effluent (Details)	In Surface Water (through nalla/drain).
9.	Sample distributed into no. of parts (2/3)	Sample not collected as unit was not in operation.
10.	Sludge disposal mode	On Agriculture land as manure.
11.	Effluent collection locations & analysis results (if collected) **(No Sample)**	**Locations** / **Parameters**: pH, BOD (mg/l), COD (mg/l), TSS (mg/l) **Outlet**: - - - - **Others**: - - - -
(I) Information regarding Ferti-irrigation -		**Not practiced**
1.	Details of treatment effluent before Ferti-irrigation	-
2.	Command area for irrigation (available land area)	-
3.	System for dilution of treated effluent required for ferti-irrigation	- -
4.	System of transportation of treated effluent upto field.	-
5.	Formal agreements with farmers for using treated effluent	-
6.	Storage facility available for treated effluent during low demand period	-
7.	Quality of effluent being used for ferti-irrigation	-
8.	Ground water monitoring network	-
C: Air Pollution and its Control		
1.	Sources of Air Pollution	Boilers2 Nos;capacity 90Tonns & 100 Tonns)
2.	➢ Type of Fuel used with consumption	Bagasses
3.	➢ Stack details	Stack Height >30 mtrs.

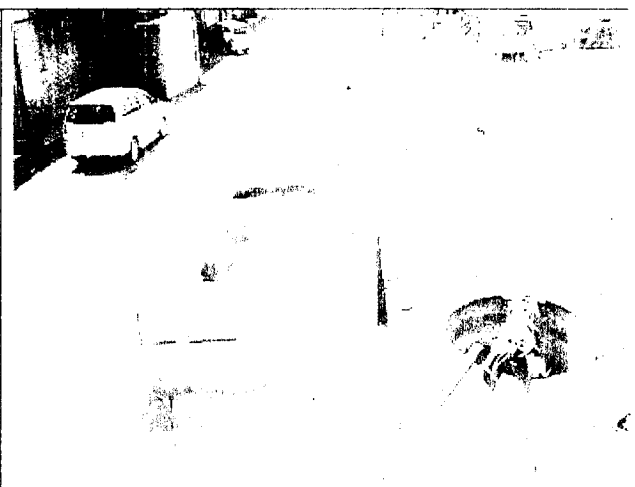
4.	➢ APCS details	1. Electro-static precipitator 2. 3. 4.
5.	Samples collections points (if collected) **(No Sample)**	**PM** (mg/Nm^3): --- -

Photographs indicating locations:

3.2″ x3.2″

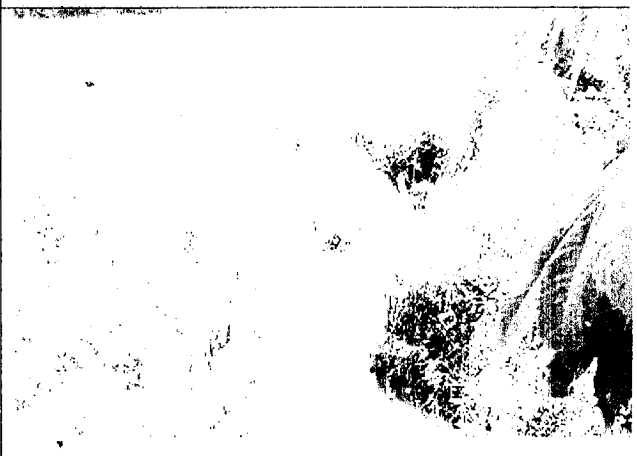


Pic 1: Entry



Pic 2: ETP (at least 1)

Pic: 3 Chimney (All visible)



Pic 4: Discharge points

E. Route of effluent to reach river Ganga/Yamuna
(Please indicate starting from the outlet drain of the unit)

Effluent (Raw/Treated) from outlet drain of unit ⟶ Nearb Nalla ⟶ Municipal main sewer/Nalla ⟶ Discharge to River Ganga via tributary/seasonal drain.

1	Name of officials inspecting	Name & Designations	Signature
		Sh. Suneel Dave, Sc 'D', CPCB	08/09/2014
		Sh. Vivek Roy, R.O UPPCB, Muzaffarnagar.	08/09/14
		Sh. Yogender, UPPCB, Muzaffarnagar.	08/9/14
		Sh. Azad Singh, RA-1, CPCB	08/09/14
		—	—
2	Date of report Submission	08/09/2014	

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CENTRAL POLLUTION CONTROL BOARD

NGRBA Cell

Joint inspection Report: Distillery

Date of Inspection:01/09/2014

A: General Information			
1.	Name of the unit and address	M/s Sir Shadi Lal Distillery & Chemical Works, Mansurpur, Muzaffarnagar.	
2.	Name of the Proprietor/ Contact person – Designation Contact No.	Sh. S.K. Gupta (Associate V.P)/ Sh. Ompal Singh (G.M Prouction) 01396-252249	
3.	Year of Commissioning.	1961	
4.	Sector	Private	
5.	Production details. • Products • Installed Prod. Cap. • Consented Prod. Cap • Restricted Prod. Cap.	 Rectified Sprit 82 KLD - -	
6.	Raw materials & their requirement	Molasses; 350 MT/day	
7.	Operational status	Closed by own.	
B: Water Pollution and its Control:			
1.	Water Supply Source	Tube well	
	Water Consumption (KLD)	Industrial	8200 KLD
		Domestic	5 KLD
2.	Water Meter to show consumption	Not available	
3.	Flow measuring device installed at outlet of ETP	Not available	
4.	Waste Water generation (KLD) (before treatment) ➢ Industrial ➢ Domestic	 1148 KLD 5 KLD	
5.	Waste Water treatment capacity (KLD) ➢ Industrial ➢ Domestic	 1225 KLD (Ana. digestion & Bio composting) 5 KLD (Soak Pit)	

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5.	Waste Water treatment capacity (KLD) ➢ Industrial ➢ Domestic	1225 KLD (Ana. digestion & Bio composting) 5 KLD (Soak Pit)
6.	Details of ETP ➢ ETP Description with flow diagram	Primary Sedimentation Tank → Anaerobic digester coupled with gas holder → R.O ↳ Lagoon & composting
	➢ Details of Reverse Osmosis plant, if any	R.O of capacity 540 KLD has been provided.
	➢ Details of Multi Effect Evaporator, if any	No MEE has been provided.
7.	Waste water discharged (after treatment)(KLD) ➢ Industrial Domestic	Zero-liquid discharge as UPPCB has stipulated consent condition of Zero-liquid discharge. However no assessment of same due to non-operation of unit.
8.	Mode of disposal of treated effluent (Details)	On land/ Surface water: N/A. Bio-composting leading to Zero liquid discharge. However no assessment of same due to non-operation of unit.
9.	Sample distributed into no. of parts (2/3)	Samples not collected as the unit was not in operation.
10.	Sludge disposal mode	Bio-composting

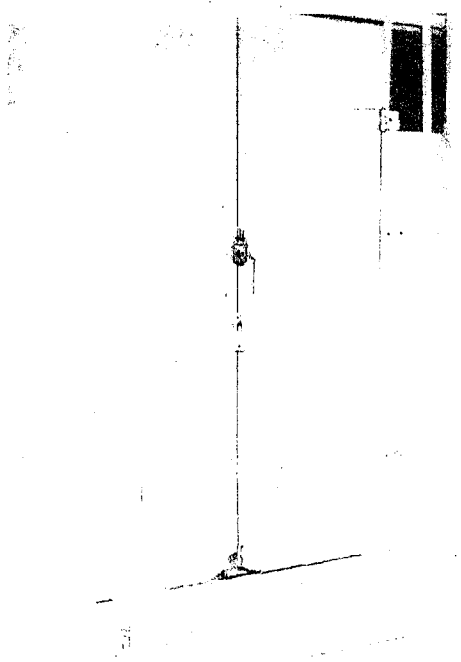
11.	Effluent collection locations & analysis results (if collected) **(No Sample)**	**Locations**	**Parameters**			
			pH	**BOD (mg/l)**	**COD (mg/l)**	**TSS (mg/l)**
		Outlet	-	-	-	-
		Others	-	-	-	-

(I) Information regarding Bio-composting		
1.	Active area for bio compost preparation **(m^2)**	59880.8
2.	Area for press mud storage **(m^2)**	16187.2
3.	Area for bio compost storage **(m^2)**	6474.912
4.	Spent wash storage capacity	20,275 cum
5.	Availability of pressmud	9301 MT approx
6.	Quantity of compost prepared (Monthly statement of last year)	1133 MT/month
7.	Quantity of pressmen procured (Monthly statement)	7121.69 MT/month approx
8.	Details of wind roses (Number,	Approx 20 No per cycle and of dimension

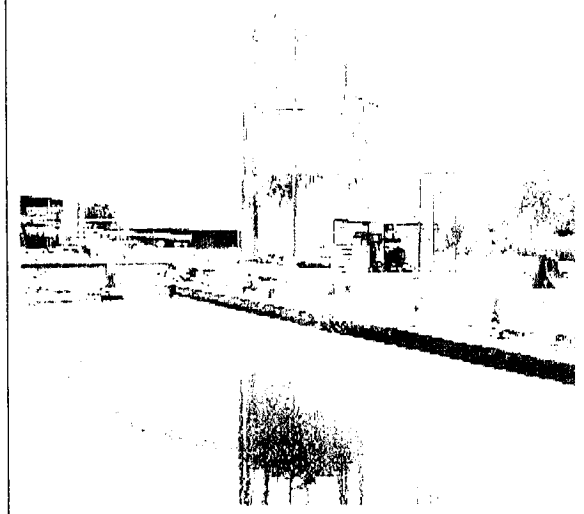
	length, height, width of stacking, space between two wind rose)	120mx3mx1.25m at a spacing of 2-3m. Approx 10 cycle per annum.
9.	Quantity of Effluent being used for composting (m^3/day) :	550 KLD approx
10.	Quantity of press mud being used for one cycle	Approx 7500MT
11.	Maturity time in days for one cycle	60 days
12.	Arrangement for rainy season	Effluent storage lagoons provided.
13.	Quality of ground water in the area and depth of ground water table	-
(II) Information regarding Ferti-irrigation N/A		
1.	Details of treatment of spent wash (details of bio methanisation, primary and secondary treatment)	-
2.	Command area for irrigation (available land area)	-
3.	System for dilution of treated effluent required for ferti-irrigation	-
4.	System of transportation of treated effluent upto field.	-
5.	Formal agreements with farmers for using treated effluent	-
6.	Storage facility available for treated effluent during low demand period	-
7.	Quality of effluent being used for ferti-irrigation	-
8.	Ground water monitoring network	-
C: Air Pollution and its Control		
1.	Sources of Air Pollution	Boiler
2.	➢ Type of Fuel used with consumption	Bio-gas, Rice Husk
3.	➢ Stack details	Stack height > 30 mtrs.
4.	➢ APCS details	1. Dust collectors 2. 3. 4.
5.	Samples collections points (if collected)	**PM** (mg/Nm^3):

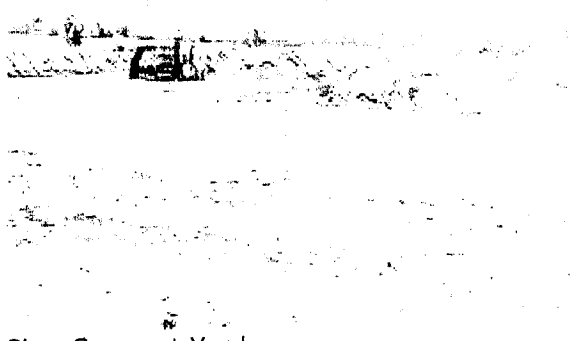
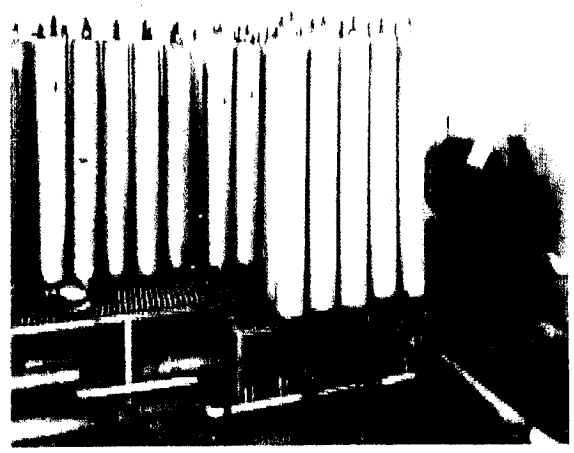
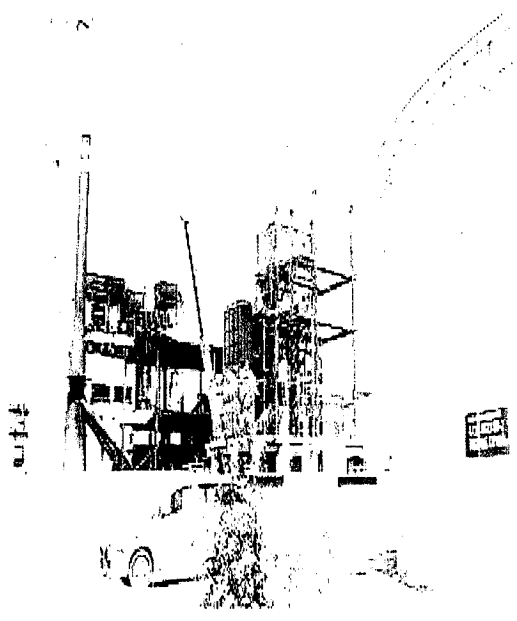
	(No Sample)	----------

Photographs indicating locations:



Entry of Bottling plant

3.2" x3.2"  Pic : Entry of unit	 Pic : ETP (at least 1)

 Pic : Compost Yard	 Pic : RO
 Pic: Chimney (All visible)	 Pic : Discharge points

E. Route of effluent to reach river Ganga/Yamuna
(Please indicate starting from the outlet drain of the unit)

Effluent (Raw/Treated) from outlet drain of unit —Surface run-off/Intentional bypass→ Municipal main sewer/Nalla → Discharge to River Ganga via tributary/seasonal drain.

Contd

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Contd: M/s. Shadilal Distillery, Muzaffarnagar.

1	Name of officials inspecting	Name & Designations	Signature
		Sh. Suneel Dave, Sc 'D', CPCB	08/09/2014
		Sh. Vivek Roy, R.O UPPCB, Muzaffarnagar.	08/09/14
		Sh. Yogender, UPPCB, Muzaffarnagar.	08/9/14
		Sh. Azad Singh, RA-1, CPCB	08/09/14
2	Date of report Submission	08/09/2014	

CENTRAL POLLUTION CONTROL BOARD

NGRBA Cell

Joint inspection Report: Distillery

Date of Inspection:01/09/2014

A: General Information			
1.	Name of the unit and address	M/s Tikaula Distillery, Tikaula, Muzaffarnagar.	
2.	Name of the Proprietor/ Contact person – Designation Contact No.	Sh. O.P Sharma (V.P)/ Sh. G.K.Gupta (G.M) 01396-246508/246528	
3.	Year of Commissioning.	2003	
4.	Sector	Private	
5.	Production details. • Products • Installed Prod. Cap. • Consented Prod. Cap • Restricted Prod. Cap.	Rectified Sprit, Special Denatured Sprit 30 KLD 30 KLD -	
6.	Raw materials & their requirement	Molasses; 1100-1200 MT/day (Approx.)	
7.	Operational status	Closed by own/Non-operational.	
B: Water Pollution and its Control:			
1.	Water Supply Source	Tube well	
	Water Consumption (KLD)	Industrial	612 KLD
		Domestic	Nill
2.	Water Meter to show consumption	Not available	
3.	Flow measuring device installed at outlet of ETP	Not available	
4.	Waste Water generation (KLD) (before treatment) ➢ Industrial ➢ Domestic	300 KLD Nill	
5.	Waste Water treatment capacity (KLD) ➢ Industrial ➢ Domestic	300 KLD (Ana. digestion & Bio composting) Nill	

6.	Details of ETP ➢ ETP Description with flow diagram ➢ Details of Reverse Osmosis plant, if any ➢ Details of Multi Effect Evaporator, if any	Primary Sedimentation Tank ⟶ Buffer Tank ⟶ Anaerobic digester coupled with gas holder ↳ Lagoon & compost yard - No R.O Unit - No M.E.E. Unit
7.	Waste water discharged (after treatment)(KLD) ➢ Industrial Domestic	Zero-liquid discharge as UPPCB has stipulated consent condition of Zero-liquid discharge. However no assessment of same due to non-operation of unit.
8.	Mode of disposal of treated effluent (Details)	On land/ Surface water: N/A. Bio-composting leading to Zero liquid discharge. However no assessment of same due to non-operation of unit.
9.	Sample distributed into no. of parts (2/3)	Samples not collected as the unit was not in operation.
10.	Sludge disposal mode	Bio-composting
11.	Effluent collection locations & analysis results (if collected) **(No Sample)**	

Locations	**Parameters**			
	pH	**BOD (mg/l)**	**COD (mg/l)**	**TSS (mg/l)**
Outlet	-	-	-	-
Others	-	-	-	-

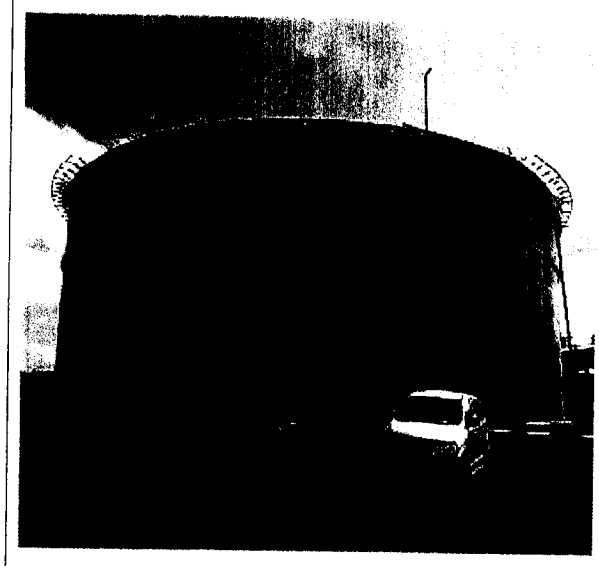
(I) Information regarding Bio-composting		
1.	Active area for bio compost preparation **(m^2)**	36000
2.	Area for press mud storage **(m^2)**	25600
3.	Area for bio compost storage **(m^2)**	2100
4.	Spent wash storage capacity	28987.5 KL
5.	Availability of pressmud	10780 MT approx
6.	Quantity of compost prepared (Monthly statement of last year)	6916 MT
7.	Quantity of pressmen procured (Monthly statement)	28792 MT approx
8.	Details of wind roses (Number, length, height, width of stacking, space between two wind rose)	40 Wind roses (120mx3mx1.25m) @ 2m c/c

9.	Quantity of Effluent being used for composting (m^3/day) :	250-300 KLD approx
10.	Quantity of press mud being used for one cycle	Approx 2750MT
11.	Maturity time in days for one cycle	45-60 days
12.	Arrangement for rainy season	Lagoons are available.
13.	Quality of ground water in the area and depth of ground water table	-
(II) Information regarding Ferti-irrigation N/A		
1.	Details of treatment of spent wash (details of bio methanisation, primary and secondary treatment)	-
2.	Command area for irrigation (available land area)	-
3.	System for dilution of treated effluent required for ferti-irrigation	-
4.	System of transportation of treated effluent upto field.	-
5.	Formal agreements with farmers for using treated effluent	-
6.	Storage facility available for treated effluent during low demand period	-
7.	Quality of effluent being used for ferti-irrigation	-
8.	Ground water monitoring network	-
C: Air Pollution and its Control		
1.	Sources of Air Pollution	Boiler (12 T.P.H)
2.	➢ Type of Fuel used with consumption	Bio-gas, Bagasses
3.	➢ Stack details	Stack of height 30 mts
4.	➢ APCS details	1. Multi-cyclone 2. 3. 4.
5.	Samples collections points (if collected) **(No. Sample)**	**PM** (mg/Nm^3): ----------

Photographs indicating locations:

3.2" x3.2"

Pic 1: Entry of unit



Pic 2: ETP (at least 1)

Pic 3: Compost Yard

Pic 4: RO & MEE

Pic: 5 Chimney (All visible)

Pic 6: Discharge points

E. Route of effluent to reach river Ganga/Yamuna
(Please indicate starting from the outlet drain of the unit)

Effluent (Raw/Treated) from outlet drain of unit —Via Surface run-off from catchment→ Discharge to River Ganga via tributary/seasonal drain.

1	Name of officials inspecting	Name & Designations	Signature
		Sh. Suneel Dave, Sc 'D', CPCB	08/09/2014
		Sh. Vivek Roy, R.O UPPCB, Muzaffarnagar.	08/09/14.
		Sh. Yogender, UPPCB, Muzaffarnagar.	08/9/14
		Sh. Azad Singh, RA-1, CPCB	08/09/14
2	Date of report Submission		08/09/2014

CENTRAL POLLUTION CONTROL BOARD

NGRBA Cell

Joint inspection Report: Distillery

Date of Inspection:01/09/2014

A: General Information			
1.	Name of the unit and address	M/s Triveni Engg. & Industries Ltd (Alco-chemical complex), Bilaspur, Jolly road, Muzaffarnagar.	
2.	Name of the Proprietor/ Contact person – Designation Contact No.	Sh. R. Kandpal (G.M) 07895900632	
3.	Year of Commissioning.	2007	
4.	Sector	Private	
5.	Production details. • Products • Installed Prod. Cap. • Consented Prod. Cap • Restricted Prod. Cap.	ENA, Absolute alcohol & Rectified Sprit 160 KLD 160 KLD	
6.	Raw materials & their requirement	Molasses; 720 Tonns/day (approx.)	
7.	Operational status	Closed by own/Non-operational.	
B: Water Pollution and its Control:			
1.	Water Supply Source	Tube well	
	Water Consumption (KLD)	Industrial	2620
		Domestic	16
2.	Water Meter to show consumption	Available	
3.	Flow measuring device installed at outlet of ETP	Available	
4.	Waste Water generation (KLD) (before treatment) ➢ Industrial ➢ Domestic	1600 12	
5.	Waste Water treatment capacity (KLD) ➢ Industrial ➢ Domestic	1600 12	

6.	Details of ETP ➢ ETP Description with flow diagram	Primary Sedimentation Tank/Collection tank → Anaerobic digester coupled with gas holder → R.O ↓ ↓ Lagoon & compost yard
	➢ Details of Reverse Osmosis plant, if any	R.O of capacity1600 KLD has been provided.
	➢ Details of Multi Effect Evaporator, if any	No MEE has provided.
7.	Waste water discharged (after treatment)(KLD) ➢ Industrial Domestic	Zero-liquid discharge as UPPCB has stipulated consent condition of Zero-liquid discharge. However no assessment of same due to non-operation of unit.
8.	Mode of disposal of treated effluent (Details)	On land/ Surface water: N/A. Bio-composting leading to Zero liquid discharge. However no assessment of same due to non-operation of unit.
9.	Sample distributed into no. of parts (2/3)	Samples not collected as the unit was not in operation.
10.	Sludge disposal mode	Bio-composting

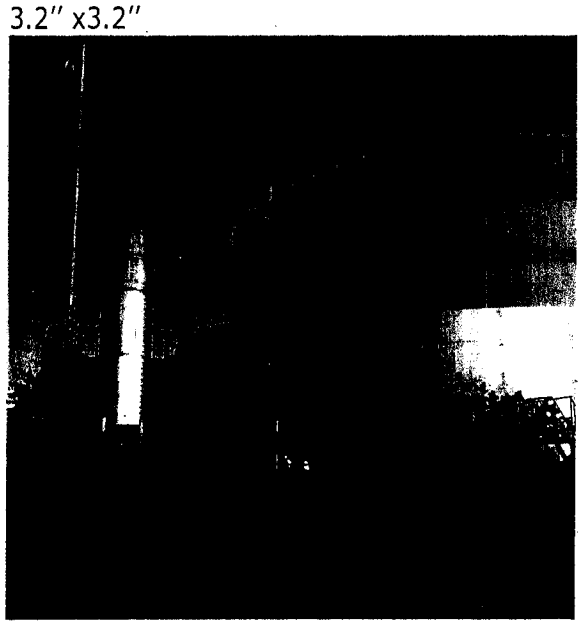
11.	Effluent collection locations & analysis results (if collected) **(No Sample)**	**Locations**	**Parameters**			
			pH	**BOD (mg/l)**	**COD (mg/l)**	**TSS (mg/l)**
		Outlet	-	-	-	-
		Others	-	-	-	-

(I) Information regarding Bio-composting		
1.	Active area for bio compost preparation **(m^2)**	80936.5
2.	Area for press mud storage **(m^2)**	20234.12
3.	Area for bio compost storage **(m^2)**	26709
4.	Spent wash storage capacity	48000 KL
5.	Availability of pressmud	100000 MT (from own sugar unit).
6.	Quantity of compost prepared (Monthly statement of last year)	20460 MT
7.	Quantity of pressmen procured (Monthly statement)	66500 MT (approx.)
8.	Details of wind roses (Number, length, height, width of stacking, space between two wind rose)	85 Nos of Wind roses of dimension 100mx3mx1.5m at a distance of 2m c/c

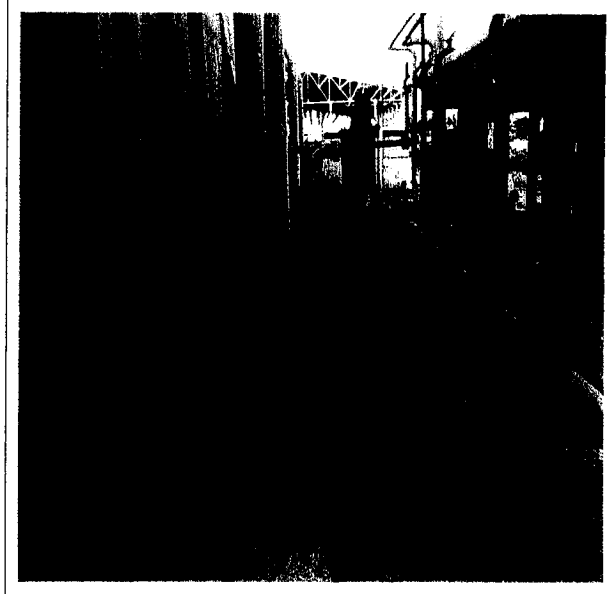
9.	Quantity of Effluent being used for composting (m^3/day) :	800 KLD (approx.)
10.	Quantity of press mud being used for one cycle	15000-16000 MT (Approx.)
11.	Maturity time in days for one cycle	60 days (approx.)
12.	Arrangement for rainy season	Lagoons are available.
13.	Quality of ground water in the area and depth of ground water table	-
(II) Information regarding Ferti-irrigation N/A		
1.	Details of treatment of spent wash (details of bio methanisation, primary and secondary treatment)	-
2.	Command area for irrigation (available land area)	-
3.	System for dilution of treated effluent required for ferti-irrigation	-
4.	System of transportation of treated effluent upto field.	-
5.	Formal agreements with farmers for using treated effluent	-
6.	Storage facility available for treated effluent during low demand period	-
7.	Quality of effluent being used for ferti-irrigation	-
8.	Ground water monitoring network	-
C: Air Pollution and its Control		
1.	Sources of Air Pollution	Boiler
2.	➢ Type of Fuel used with consumption	Bio-gas, Bagasses
3.	➢ Stack details	Stack of height >30 mts
4.	➢ APCS details	1. Wet Scrubber 2. 3. 4.
5.	Samples collections points (if collected) **(No. Sample)**	**PM** (mg/Nm^3): ----------

Photographs indicating locations:

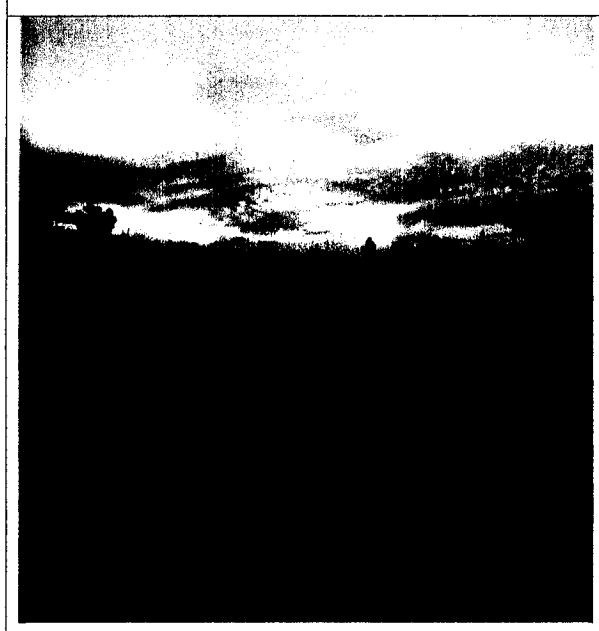
3.2″ x3.2″



Pic 1: Entry of unit



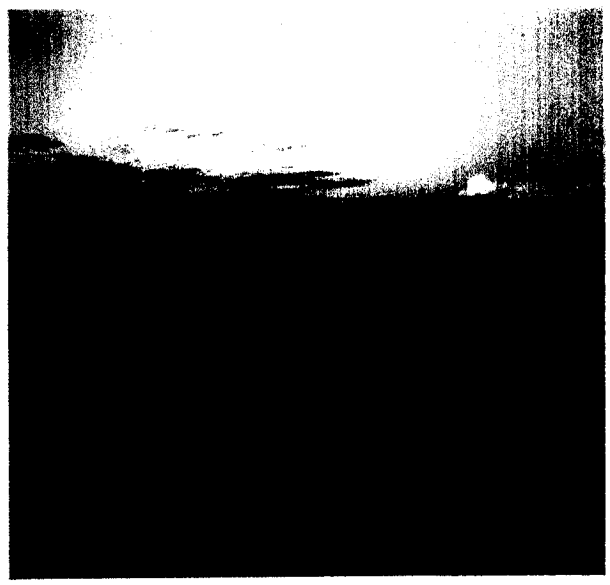
Pic 2: ETP (at least 1)



Pic 3: Compost Yard

Pic 4: RO

Pic: 5 Chimney (All visible)



Pic 6: Discharge points

E. Route of effluent to reach river Ganga/Yamuna
(Please indicate starting from the outlet drain of the unit)

Effluent (Raw/Treated) from outlet drain of unit —Via Surface run-off from catchment→ Discharge to River Ganga via tributary/seasonal drain.

1	Name of officials inspecting	Name & Designations	Signature
		Sh. Suneel Dave, Sc 'D', CPCB	08/09/2014
		Sh. Vivek Roy, R.O UPPCB, Muzaffarnagar.	08/09/14.
		Sh. Yogender, UPPCB, Muzaffarnagar.	08/9/14
		Sh. Azad Singh, RA-1, CPCB	08/09/14
		—	—
2	Date of report Submission		08/09/2014

MCENTRAL POLLUTION CONTROL BOARD

NGRBA Cell

Joint inspection Report: Distillery

Date of Inspection:02/09/2014

A: General Information			
1.	Name of the unit and address	M/s Shamli Distilleries & Chemical Works, Shamli, Muzaffarnagar (U.P).	
2.	Name of the Proprietor/ Contact person – Designation Contact No.	Sh. S.P Singh (V.P) 09411276220	
3.	Year of Commissioning.	1945	
4.	Sector	Private	
5.	Production details. • Products • Installed Prod. Cap. • Consented Prod. Cap • Restricted Prod. Cap.	Rectified Sprit 7364 KL/Annum 7364 KL/Annum -	
6.	Raw materials & their requirement	Molasses; 30765.2 Tonns/Annum	
7.	Operational status	Closed by own/Non-operational.	
B: Water Pollution and its Control:			
1.	Water Supply Source	Tube well	
	Water Consumption (KLD)	Industrial	950 KLD.
		Domestic	-
2.	Water Meter to show consumption	Available	
3.	Flow measuring device installed at outlet of ETP	Not available	
4.	Waste Water generation (KLD) (before treatment) ➢ Industrial ➢ Domestic	300 KLD (approx.) -	

5.	Waste Water treatment capacity (KLD) ➢ Industrial ➢ Domestic	300 KLD -
6.	Details of ETP ➢ ETP Description with flow diagram ➢ Details of Reverse Osmosis plant, if any ➢ Details of Multi Effect Evaporator, if any	Anaerobic digester coupled with gas holder ⟶ Settling Tank/Lagoon ⟶ Compost Yard. R.O Plant has been provided. , R.O plant has been provided photo attached No MEE has been provided.
7.	Waste water discharged (after treatment)(KLD) ➢ Industrial Domestic	Zero-liquid discharge as UPPCB has stipulated consent condition of Zero-liquid discharge. However no assessment of same due to non-operation of unit.
8.	Mode of disposal of treated effluent (Details)	On land/ Surface water: N/A. Bio-composting leading to Zero liquid discharge. However no assessment of same due to non-operation of unit.
9.	Sample distributed into no. of parts (2/3)	Samples not collected as the unit was not in operation.
10.	Sludge disposal mode	Bio-composting. **Compost yard is located at a distance of more than 12 km from the unit & the effluent of the distillery is taken to the compost yard by tankers.**

11.	Effluent collection locations & analysis results (if collected) (No Sample)	**Locations**	**Parameters**			
			pH	**BOD (mg/l)**	**COD (mg/l)**	**TSS (mg/l)**
		Outlet	-	-	-	-
		Others	-	-	-	-

(I) Information regarding Bio-composting

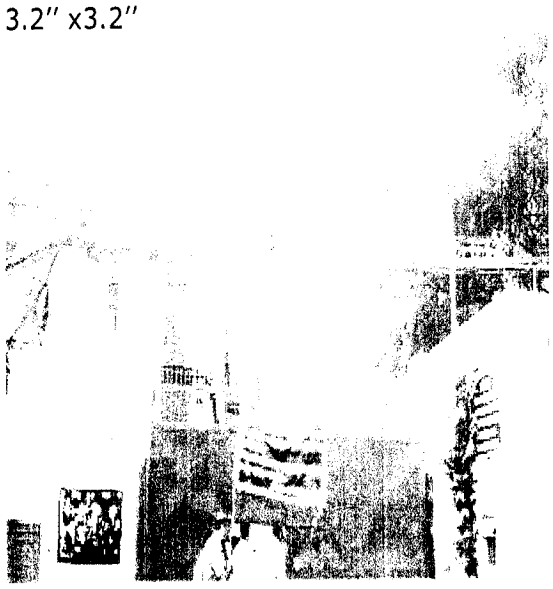
1.	Active area for bio compost preparation **(m^2)**	10 acre (Approx.)
2.	Area for press mud storage **(m^2)**	1.0 acre (Approx.)
3.	Area for bio compost storage **(m^2)**	1.0 acre (Approx.)
4.	Spent wash storage capacity	Approx. 20 days
5.	Availability of pressmud	From own sugar mill
6.	Quantity of compost prepared (Monthly statement of last year)	5500 MT/Annum (Approx.)
7.	Quantity of pressmen procured (Monthly statement)	16491.105 Tonns during last financial year.

8.	Details of wind roses (Number, length, height, width of stacking, space between two wind rose)	Wind roses 20-25 No./ cycle & 100mx1.5mx3m in dimension at spacing of 2-3 meters.
9.	Quantity of Effluent being used for composting (m^3/day) :	130-170 KLD approx
10.	Quantity of press mud being used for one cycle	Approx 3500-4000 MT
11.	Maturity time in days for one cycle	60 days
12.	Arrangement for rainy season	Storage not provided.
13.	Quality of ground water in the area and depth of ground water table	-
(II) Information regarding Ferti-irrigation N/A		
1.	Details of treatment of spent wash (details of bio methanisation, primary and secondary treatment)	-
2.	Command area for irrigation (available land area)	-
3.	System for dilution of treated effluent required for ferti-irrigation	-
4.	System of transportation of treated effluent upto field.	-
5.	Formal agreements with farmers for using treated effluent	-
6.	Storage facility available for treated effluent during low demand period	-
7.	Quality of effluent being used for ferti-irrigation	-
8.	Ground water monitoring network	-
C: Air Pollution and its Control		
1.	Sources of Air Pollution	Boiler
2.	➢ Type of Fuel used with consumption	Bio-gas approx. 14400 cum/day Bagasse approx. 40 MT/Day
3.	➢ Stack details	Stack height >30 mtrs.
4.	➢ APCS details	1. Twin cyclone 2.

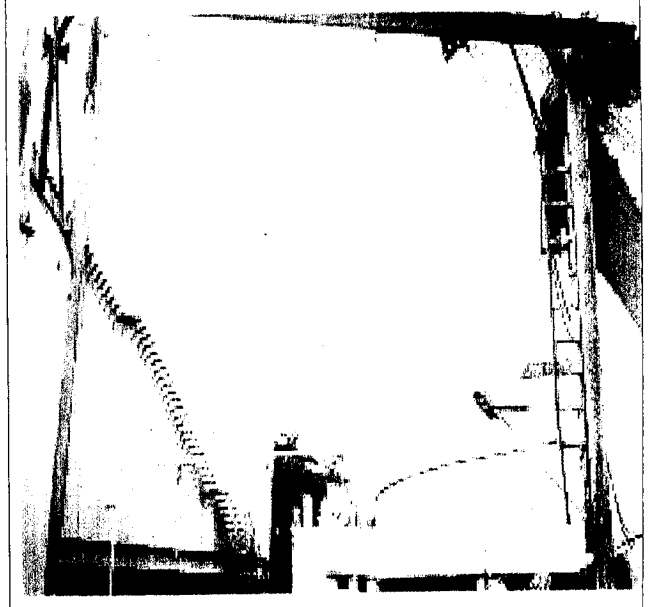
		3. 4.
5.	Samples collections points (if collected) **(No Sample)**	**PM** (mg/Nm^3): ----------

Photographs indicating locations:

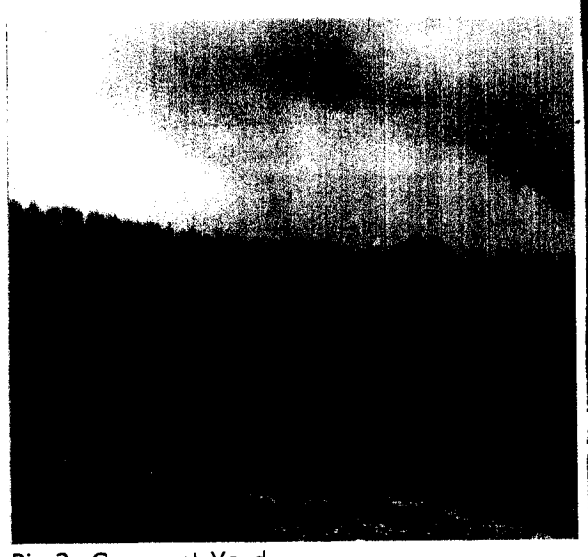
3.2" x3.2"



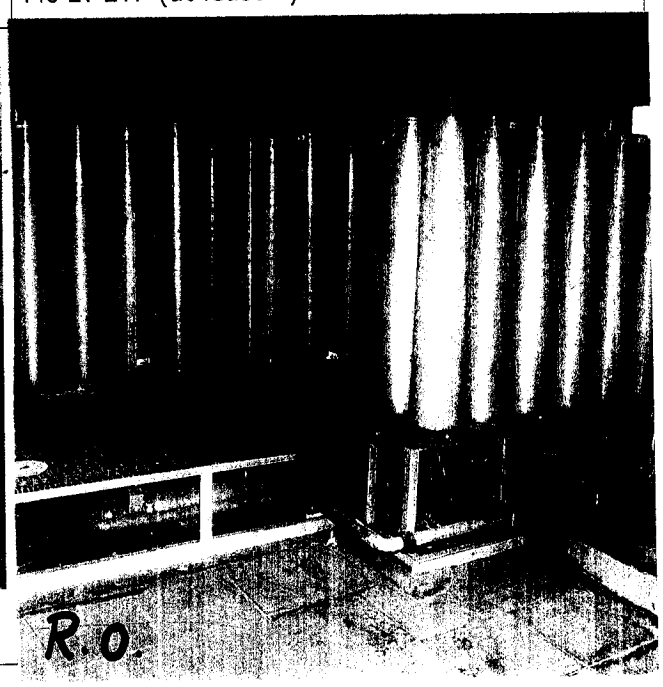
Pic 1: Entry of unit

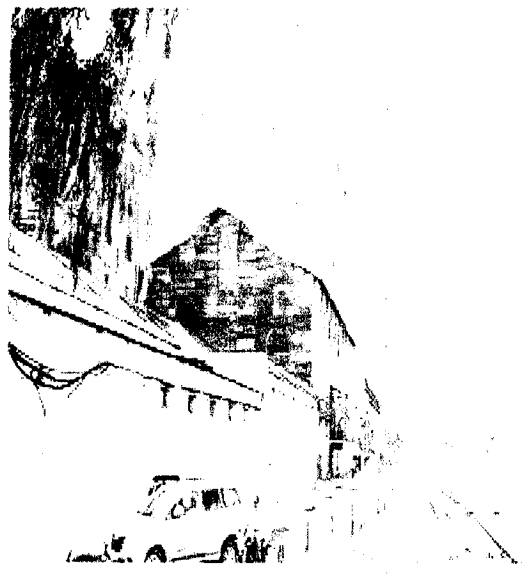


Pic 2: ETP (at least 1)

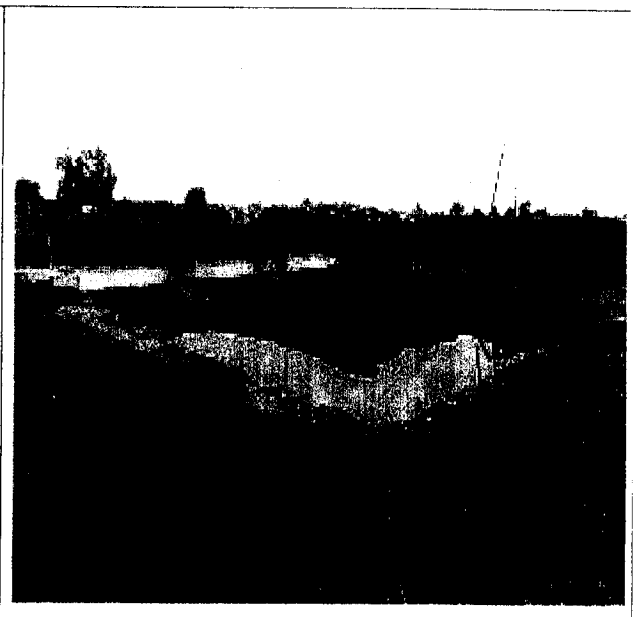


Pic 3: Compost Yard





Pic: 5 Chimney (All visible)



Pic 6: Discharge points

E. Route of effluent to reach river Ganga/Yamuna
(Please indicate starting from the outlet drain of the unit)

Effluent (Raw/Treated) from outlet drain of unit —Surface run-off/Intentional bypass→ Storm-line/ Sewer line → Municipal main sewer/Nalla → Discharge to River Yamuna via seasonal drain.

1	Name of officials inspecting	Name & Designations	Signature
		Sh. Suneel Dave, Sc 'D', CPCB	08/09/2014
		Sh. Vivek Roy, R.O UPPCB, Muzaffarnagar.	08/09/14
		Sh. Yogender, UPPCB, Muzaffarnagar.	08/9/14
		Sh. Azad Singh, RA-1, CPCB	08/09/14
		—	—
2	Date of report Submission	08/09/2014	

Joint Inspection Report

Sugar & Distillery Industries

Saharanpur Distt. U.P

Hon'ble Tribunal directed CPCB & UPPCB to carry out the Joint Inspection of the Sugar and Distilleries Industries operating and discharging the effluent in Rivers Ganga and Yamuna. .

In this view, team of CPCB & UPPCB comprises of following officials visited the Sugar & Distillery Industries in Saharanpur areas:

Team from CPCB, Delhi	Team from UPPCB
Sh. Sharandeep Singh , Scientist 'C'	Sh. Rajiv, Regional Officer, Saharanpur Distt
Dr. Ishaq Ahmad ,RA-I	Sh. A.K Mishra , SA, Saharanpur

The following Industries were inspected by the above team between 2nd September, 2014 & 3rd September, 2014

S.No	Units Visited	Industrial Detail
1	M/s Kissan Cooperative Sugar Factory Ltd, Sarsawa	**Annexure -I**
2	M/s Pilakhni Distillery & Chemical Works , Pilakhni ,Saharanpur	**Annexure -II**
3	M/s U.P Cooperative Sugar Factory Federation, Nanautaa Distillery Unit, Nanautaa	**Annexure –III**
4	M/sThe Kisan Sahkari Chini Mill,Nanauta, Saharanpur	**Annexure –IV**
5	M/s Triveni Engg & Industries Ltd (Sugar Unit) –Deoband, Distt Saharanpur	**Annexure –V**
6	M/s Bajaj Hindusthan Ltd.Unit Gangnauli (Distillery Unit) ,Saharanpur	**Annexure –VIA**
7	M/s Bajaj Hindusthan Ltd.Unit Gangnauli (Sugar Unit) ,Saharanpur	**Annexure –VIB**

Overall Observations:

1. All the Plants were found closed during inspection
2. There was no production process going on during the period of inspection.
3. In all the above industries Effluent Treatment Plant. were not operational

(Sharandeep Singh)
Scientist "C"
CPCB, Delhi

(Rajiv)
Regional Officer
Saharanpur, (UPPCB)

Annexure-I

CENTRAL POLLUTION CONTROL BOARD

NGRBA Cell

Joint inspection Report: Sugar

Date of Inspection: 02/9/14

A: General Information		
1.	Name of the unit and address	Kisan Cooperative Sugar factory Ltd Sarsawa (Saharanpur) U.P
2.	Name of the Proprietor/ Contact person – Designation Contact No.	Sh. S.K. Saraf G.M. Contact No - 01331 - 244235
3.	Year of Commissioning.	Nov 1962
4.	Sector	Cooperative/~~Public~~/Private
5.	Production details. • Products • Installed Prod. Cap • Operating capacity	Product - Sugar Installed Capacity at present = 2750 TCD
6.	Cane crushing capacity	2750 Ton Cane Crushed Per Day
7.	Cane crushed last year	1992915.57 Qtls in Crushing Season 2013-14
8.	Molasses generation	Total Mol Produce = 157374 Qtls during Season
9.	Press Mud generation	118100 Qtls during Season 2013-14
10.	Operational status	1. Operating 2. Non operational due rainy season 3. Closed by direction off Season 4. Closed by own

B: Water Pollution and its Control:			
1.	Water Supply Source(s)	1. Own Tubewell	
	Water Consumption (KLD) During Crushing Session	Industrial	Appx 4250 KL/day
		Domestic	Appx 197 KL/day
2.	Water Meter to show consumption	Available / Not available – NA –	
3.	Flow measuring device installed at outlet of ETP	Available / Not available V Notch.	

4.	Waste Water generation (KLD) (before treatment) ➢ Industrial ➢ Domestic	300 M3/day Approx
5.	Waste Water treatment capacity (KLD) ➢ Industrial ➢ Domestic	1200 M3/day
6.	Details of ETP ➢ ETP Description with flow diagram ➢ Details of Reverse Osmosis plant, if any ➢ Details of Multi Effect Evaporator, if any	Enclosed flow Diagram of ETP
7.	Waste water discharged (after treatment)(KLD) ➢ Industrial Domestic	Used in Irrigation & Recycled.
8.	Mode of disposal of treated effluent (Details)	On land/ Surface water Irrigation on land and Recycled
9.	Sample distributed into no. of parts (2/3)	—
10.	Sludge disposal mode	Used as manure for farmers
11.	Effluent collection locations & analysis results (if collected)	

Locations	Parameters			
	pH	BOD (mg/l)	COD (mg/l)	TSS (mg/l)
Outlet				
Others				

(I) Information regarding Ferti-irrigation		
1.	Details of treatment effluent before Ferti-irrigation	
2.	Command area for irrigation (available land area)	
3.	System for dilution of treated effluent required for ferti-irrigation	
4.	System of transportation of treated effluent upto field.	
5.	Formal agreements with farmers for using treated effluent	

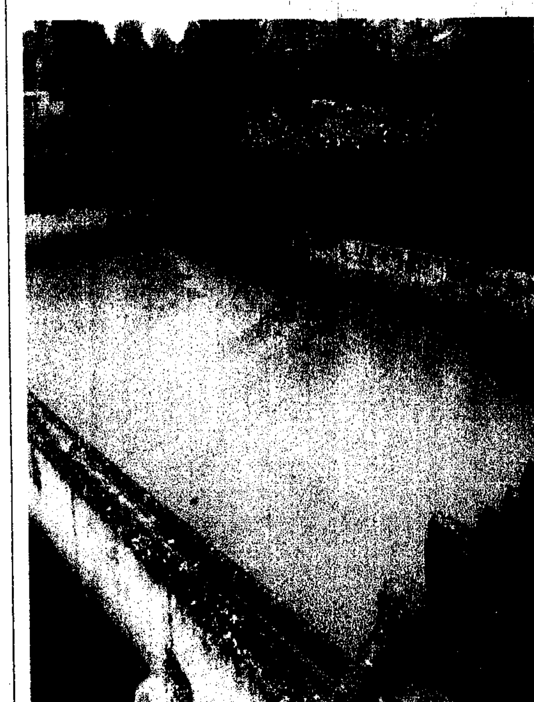
6.	Storage facility available for treated effluent during low demand period	Treated water storage Reservoir installed
7.	Quality of effluent being used for ferti-irrigation	—
8.	Ground water monitoring network	(Available /Not available) —
C: Air Pollution and its Control		
1.	Sources of Air Pollution	Boilers.
2.	➢ Type of Fuel used with consumption	1. Bagasse.
3.	➢ Stack details	Chimney 1 — Height = 30 mt 2 — " = 30 mt
4.	➢ APCS details	1. Wet Scrubber type installed 2. in both stack 3. 4.
5.	Samples collections points (if collected)	**PM** (mg/Nm^3): Not collected.
Photographs indicating locations:		
3.2" x3.2"		Picture enclosed

Pic 1: Entry	Pic 2: ETP (at least 1)
Picture enclosed Pic: 3 Chimney (All visible)	Pic 4: Discharge points

E. Route of effluent to reach river Ganga/Yamuna
(Please indicate starting from the outlet drain of the unit)

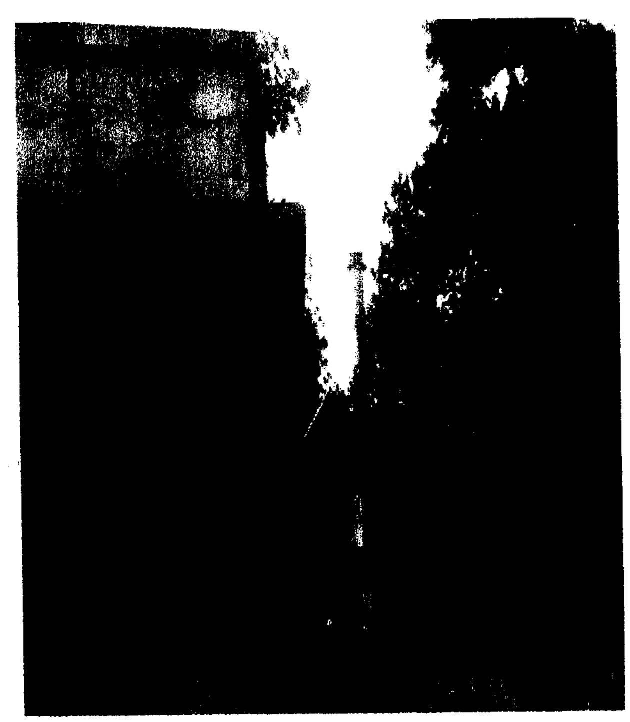
1	Name of officials inspecting	Name & Designations	Signature
		Sh. Rajiv. RO	
		Sh. Sharandeep Singh	
		Sh. A.K Mishra.	
2	Date of report Submission		

Picture of M/S Kissan Co-operative Sugar Mills Ltd. Sarsawa



Equalization tank

Clarifier



Stack

Annexure-II

CENTRAL POLLUTION CONTROL BOARD
NGRBA Cell

Joint inspection Report: Distillery

Date of Inspection: 02-9-14

A: General Information			
1.	Name of the unit and address		Pilkhani Distillery & chemical works, Pilkhani
2.	Name of the Proprietor/ Contact person – Designation Contact No.		Sh. R.B. Singh (Vice-President) 09568999888
3.	Year of Commissioning.		1959
4.	Sector		Cooperative/Public/Private Private
5.	Production details. • Products • Installed Prod. Cap. • Consented Prod. Cap • Restricted Prod. Cap.		Rectified Spirit 36.0KLPD – –
6.	Raw materials & their requirement		Molasses, 150MT/day
7.	Operational status		1. Operating No 2. Non operational due rainy season Yes 3. Closed by direction No 4. Closed by own No
B: Water Pollution and its Control:			
1.	Water Supply Source		Deep Tubewell
	Water Consumption (KLD)	Industrial	835 KLPD
		Domestic	20 KLPD
2.	Water Meter to show consumption	Available / Not available	Available
3.	Flow measuring device installed at outlet of ETP	Available / Not available	Zero discharge
4.	Waste Water generation (KLD) (before treatment) ➢ Industrial ➢ Domestic		432 KLPD 432 KLPD 14 KLPD to Bio-composting
5.	Waste Water treatment capacity (KLD) ➢ Industrial ➢ Domestic		432 KLPD 432 KLPD 14 KLPD to Bio-composting

6.	Details of ETP ➢ ETP Description with flow diagram ➢ Details of Reverse Osmosis plant, if any ➢ Details of Multi Effect Evaporator, if any	8345 m^3 (Bio-digester) Flow Diagram attached 360 KLPD NA
7.	Waste water discharged (after treatment)(KLD) ➢ Industrial Domestic	252 KLPD 14 KLPD
8.	Mode of disposal of treated effluent (Details)	On land/ Surface water Achieving zero discharge
9.	Sample distributed into no. of parts (2/3)	Plant closed & no effluent available
10.	Sludge disposal mode	Bio-composting

11.	Effluent collection locations & analysis results (if collected) Plant closed since April - 2013, Presently no effluent available	Locations	Parameters			
			pH	BOD (mg/l)	COD (mg/l)	TSS (mg/l)
		Outlet			NA	
		Others				

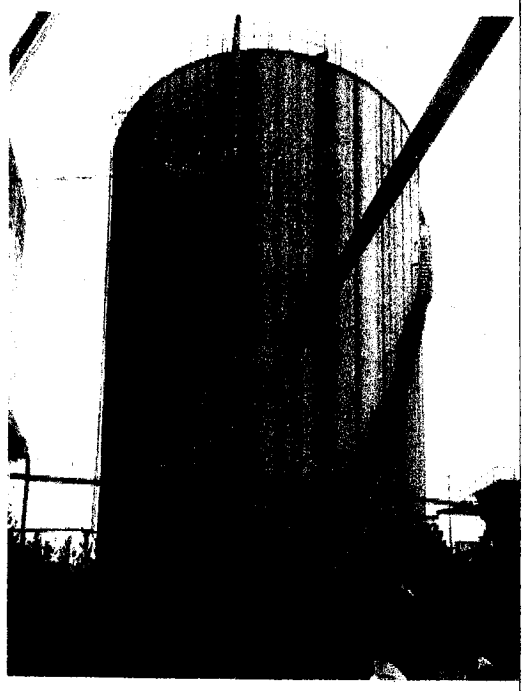
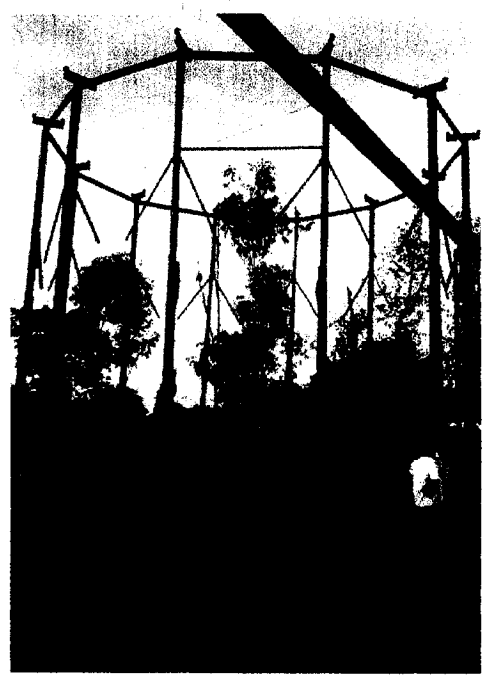
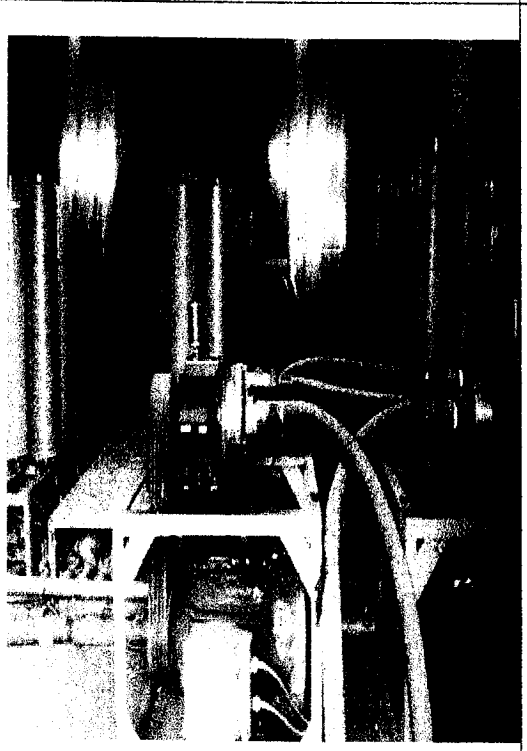
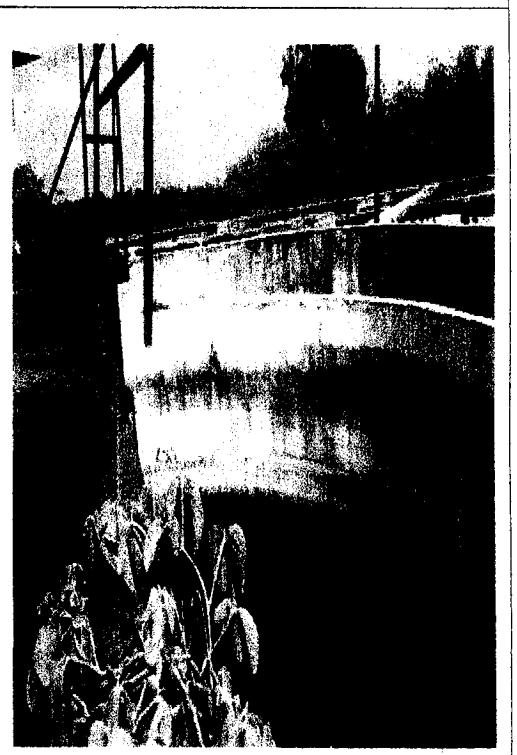
(I) Information regarding Bio-composting

1.	Active area for bio compost preparation (m^2)	5.71 Acres
2.	Area for press mud storage (m^2)	0.60 Acres
3.	Area for bio compost storage (m^2)	0.51 Acres
4.	Spent wash storage capacity	for 30 days
5.	Availability of pressmud	Available as per requirement
6.	Quantity of compost prepared (Monthly statement of last year)	390.0 m.T (As per last year record)
7.	Quantity of pressmen procured (Monthly statement)	NIL, since plant not in operation)
8.	Details of wind roses (Number, length, height, width of stacking, space between two wind rose)	7 Nos, 84 mtr, 1.25 mtr & 3.0 mtr 1.5 mtr - 3.0 mtr for moving Aerotiller
9.	Quantity of Effluent being used for composting (m^3/day) :	56.8 m^3/day (As per last year record)

10.	Quantity of press mud being used for one cycle	Av. 980MT/cycle
11.	Maturity time in days for one cycle	60 days
12.	Arrangement for rainy season	covered shade for B/c, Tarpolene sheet to cover press mud
13.	Quality of ground water in the area and depth of ground water table	Analysis report attached Ground water table attached
(II) Information regarding Ferti-irrigation		
1.	Details of treatment of spent wash (details of bio methanisation, primary and secondary treatment)	
2.	Command area for irrigation (available land area)	
3.	System for dilution of treated effluent required for ferti-irrigation	
4.	System of transportation of treated effluent upto field.	
5.	Formal agreements with farmers for using treated effluent	
6.	Storage facility available for treated effluent during low demand period	
7.	Quality of effluent being used for ferti-irrigation	
8.	Ground water monitoring network	(Available /Not available)
C: Air Pollution and its Control		
1.	Sources of Air Pollution	Stack of Boiler 900 Nm^3/hr, 2.0MT/hr
2.	➢ Type of Fuel used with consumption	Bio-gas & Bagasse
3.	➢ Stack details	H = 41.5 mtr, dia = 1.68 mtr
4.	➢ APCS details	1. 2. 3. 4. } multi effect dust collector
5.	Samples collections points (if collected)	PM (mg/Nm^3): Plant closed.

A

Photographs indicating locations:	
3.2" x3.2" Picture enclosed	
Pic 1: Entry of unit	Pic 2: ETP (at least 1)
Picture enclosed	
Pic 3: Compost Yard	Pic 4: RO & MEE

Picture of M/S Pilakhni Distillary & Chemical Works, Pilakhni, Saharanpur	
	
Bio-digester (Methanation Plant)	Gas Holder Under Construction
	
R.O.	Clarifier

Annexure-III

253

CENTRAL POLLUTION CONTROL BOARD

NGRBA Cell

Joint inspection Report: Distillery

Date of Inspection: _____

A: General Information		
1.	Name of the unit and address	U.P. Cooperative Sugar Factories Federation Ltd. Manaura Distillery Unit, Manaura, Saharanpur
2.	Name of the Proprietor/ Contact person – Designation Contact No.	Sh. D.C. Gupta, General Manager Sh. G.C. Sharma, Distillery Manager - 01336-296281
3.	Year of Commissioning.	1985-86
4.	Sector	Cooperative/Public/Private
5.	Production details. • Products • Installed Prod. Cap. • Consented Prod. Cap • Restricted Prod. Cap.	Rectified Spirit 30 kL per Day
6.	Raw materials & their requirement	Molasses, 16482=80MT (2013-14)
7.	Operational status	1. Operating 2. Non operational due rainy season 3. Closed by direction 4. Closed by own
B: Water Pollution and its Control:		
1.	Water Supply Source	Tube well
	Water Consumption (KLD)	Industrial: 2880 kL/Day Domestic: 100 kL/Day
2.	Water Meter to show consumption	Available / Not available
3.	Flow measuring device installed at outlet of ETP	Available / Not available
4.	Waste Water generation (KLD) (before treatment) ➢ Industrial ➢ Domestic	450 kL/Day 100 kL/Day
5.	Waste Water treatment capacity (KLD) ➢ Industrial ➢ Domestic	450 kL/Day 100 kL/Day

6.	Details of ETP ➢ ETP Description with flow diagram ➢ Details of Reverse Osmosis plant, if any ➢ Details of Multi Effect Evaporator, if any	N.A.
7.	Waste water discharged (after treatment)(KLD) ➢ Industrial Domestic	Zero discharge.
8.	Mode of disposal of treated effluent (Details)	On land/ Surface water —
9.	Sample distributed into no. of parts (2/3)	—
10.	Sludge disposal mode	Used in bio-composting.
11.	Effluent collection locations & analysis results (If collected)	

Locations	Parameters			
	pH	BOD (mg/l)	COD (mg/l)	TSS (mg/l)
Outlet				
Others				

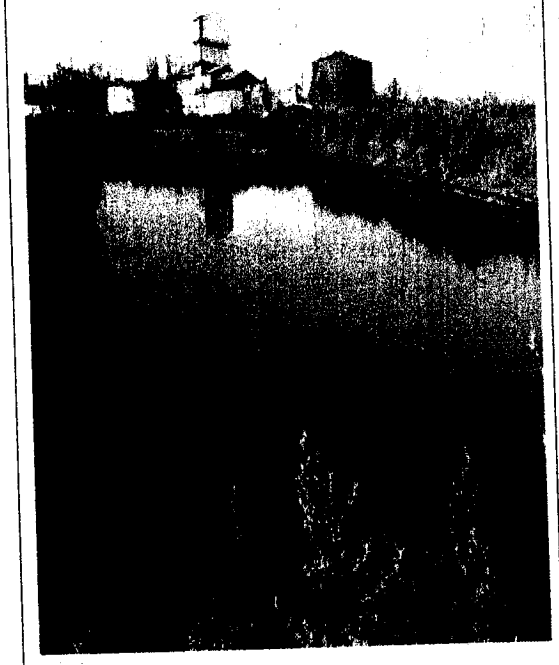
(I) Information regarding Bio-composting

1.	Active area for bio compost preparation (m^2)	7.5 acre
2.	Area for press mud storage (m^2)	0.30 acre
3.	Area for bio compost storage (m^2)	0.20 acre
4.	Spent wash storage capacity	2800 K.L.
5.	Availability of pressmud	2300 M.T.
6.	Quantity of compost prepared (Monthly statement of last year)	900 M.T. (2013-14)
7.	Quantity of pressmen procured (Monthly statement)	—
8.	Details of wind roses (Number, length, height, width of stacking, space between two wind rose)	40, 80.0 Mtr., 1.00 Mtr., 2.5 Mtr. Space 2.00 Mtr.
9.	Quantity of Effluent being used for composting (m^3/day) :	450 K.L./Day

10.	Quantity of press mud being used for one cycle	4480.0 MT.
11.	Maturity time in days for one cycle	45 days.
12.	Arrangement for rainy season	Production Not Stopped.
13.	Quality of ground water in the area and depth of ground water table	-
(II) Information regarding Ferti-irrigation		N.A.
1.	Details of treatment of spent wash (details of bio methanisation, primary and secondary treatment)	
2.	Command area for irrigation (available land area)	
3.	System for dilution of treated effluent required for ferti-irrigation	
4.	System of transportation of treated effluent upto field.	
5.	Formal agreements with farmers for using treated effluent	
6.	Storage facility available for treated effluent during low demand period	
7.	Quality of effluent being used for ferti-irrigation	
8.	Ground water monitoring network	(Available /Not available)
C: Air Pollution and its Control		
1.	Sources of Air Pollution	5.0 Ton per hr. Boiler.
2.	➢ Type of Fuel used with consumption	Bagasse & Rice husk
3.	➢ Stack details	30.0 mtr. Height Multicyclone.
4.	➢ APCS details	1. Multicyclone, 24 Hrs. 2. 3. 4.
5.	Samples collections points (if collected)	**PM** (mg/Nm^3): N.A.

Observation: Plant was closed.

Picture of M/S U.P. Cooperative Sugar Factory Nanauta,Saharanpur



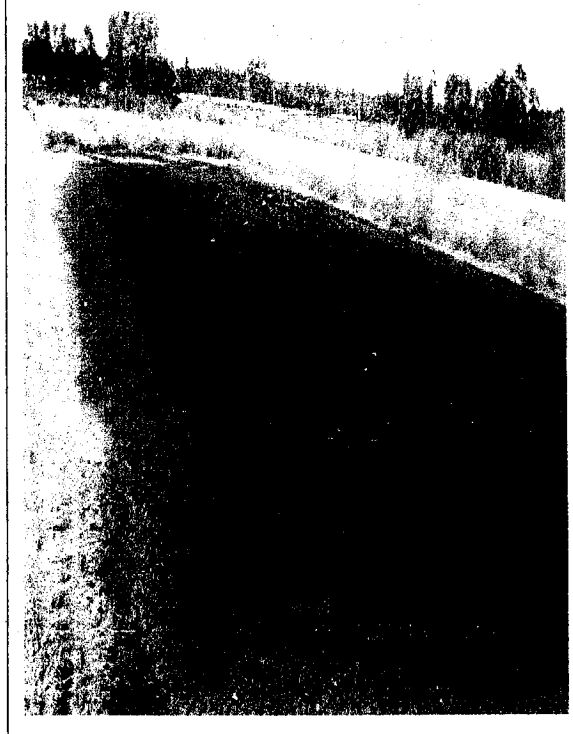
Lagoon

Bio-composting Yard Showing Compost

Side View of the Bio-composting Yard

Another Side View of the Bio-composting Yard

Showing over flow of the spent wash to nearby drain meeting river Trishini

	
Lagoon	Bio-composting Yard

Updated 253

Annexure-IV

CENTRAL POLLUTION CONTROL BOARD

NGRBA Cell

Joint inspection Report: Sugar

Date of Inspection: 2/9/14

A: General Information		
1.	Name of the unit and address	KISAN SAHKARI CHINI MILL LTD NANAUTA, SAHARANPUR 01336 - 254264 254255
2.	Name of the Proprietor/ Contact person - Designation Contact No.	Chairman — D. M. Saharanpur General Manager / Chief Chemist - 9412873578
3.	Year of Commissioning.	1979 - 1980
4.	Sector	Cooperative/Public/Private
5.	Production details. • Products • Installed Prod. Cap • Operating capacity	Sugar 5000 Tone cane crush/Day 5000 Tone Cane crush/Day
6.	Cane crushing capacity (expanded)	5000 Tons/Day
7.	Cane crushed last year	58 lac Tons.
8.	Molasses generation	0.298 lac Tone 5.5%, on Cane
9.	Press Mud generation	0.22 lac Tones. 3.8%. on Cane.
10.	Operational status	✓1. Operating 2. Non operational due rainy season 3. Closed by direction 4. Closed by own
B: Water Pollution and its Control:		
1.	Water Supply Source(s)	1. Tub well
	Water Consumption (KLD)	Industrial: 9255 m^3/day
		Domestic: 250 m^3/day
2.	Water Meter to show consumption	Available / Not available
3.	Flow measuring device installed at outlet of ETP	Available / Not available V Notch

4.	Waste Water generation (KLD) (before treatment) ➢ Industrial ➢ Domestic	2200 m^3/day
5.	Waste Water treatment capacity (KLD) ➢ Industrial ➢ Domestic	2400 m^3/day
6.	Details of ETP ➢ ETP Description with flow diagram ➢ Details of Reverse Osmosis plant, if any ➢ Details of Multi Effect Evaporator, if any	Attached. — Quintuple Effect Evaporation at Boiler House.
7.	Waste water discharged (after treatment)(KLD) ➢ Industrial Domestic	
8.	Mode of disposal of treated effluent (Details)	On land/ Surface water drain
9.	Sample distributed into no. of parts (2/3)	2-3
10.	Sludge disposal mode	Used as manure

11.	Effluent collection locations & analysis results (if collected)	Locations	Parameters			
			pH	BOD (mg/l)	COD (mg/l)	TSS (mg/l)
		Outlet	7.30	28	240	20
		Others				

(I) Information regarding Ferti-irrigation		
1.	Details of treatment effluent before Ferti-irrigation	—
2.	Command area for irrigation (available land area)	
3.	System for dilution of treated effluent required for ferti-irrigation	—
4.	System of transportation of treated effluent upto field.	Through drains
5.	Formal agreements with farmers for using treated effluent	—

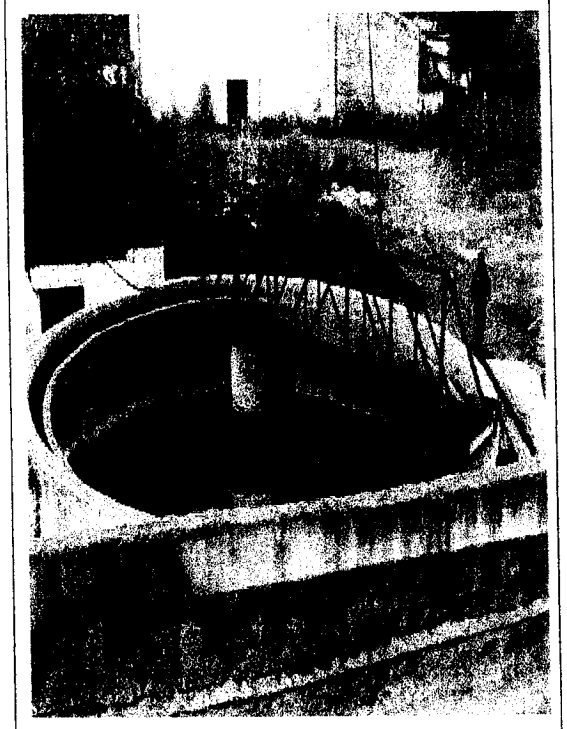
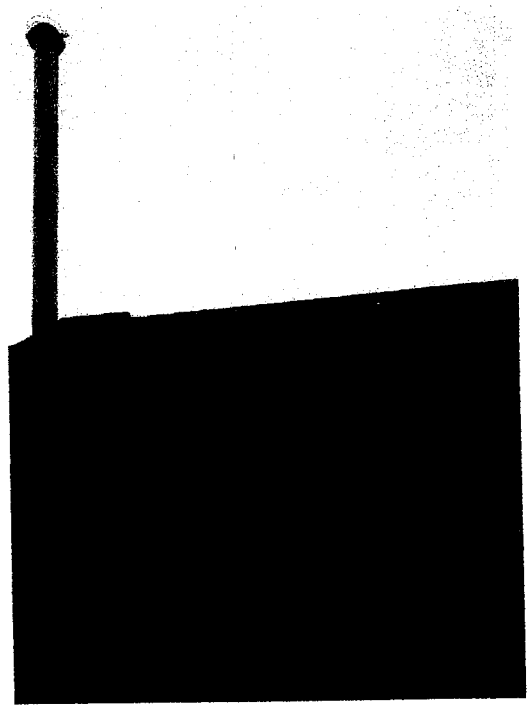
6.	Storage facility available for treated effluent during low demand period	Nil
7.	Quality of effluent being used for ferti-irrigation	treated
8.	Ground water monitoring network	(Available /Not available)
C: Air Pollution and its Control		
1.	Sources of Air Pollution	
2.	➢ Type of Fuel used with consumption	Bagasse 30 – 32% on Cane
3.	➢ Stack details	Height-30 Mtr each
4.	➢ APCS details	1. Wet Scrubber 2. 3. 4.
5.	Samples collections points (if collected)	**PM** (mg/Nm^3): 1 125.55 2 115.74 3 227.10
Photographs indicating locations:		
3.2" x3.2"		Picture enclosed for your reference

Pic 1: Entry	Pic 2: ETP (at least 1)
Picture enclosed for reference Pic: 3 Chimney (All visible)	Pic 4: Discharge points

E. Route of effluent to reach river Ganga/Yamuna
(Please indicate starting from the outlet drain of the unit)

Plant was closed.

1	Name of officials inspecting	Name & Designations	Signature
		Sh. Rajiv, RO	Rajiv
		Sh. Shavandeep Singh	Shavandeep
		Sh. A.K. Mishra,	
2	Date of report Submission		

Picture of M/S Kisan Shakari Chini Mills Nanauta	
	
Entry of Unit	Aeration Tank
	
Clarifier	Stack

Updated

Annexure V

CENTRAL POLLUTION CONTROL BOARD

NGRBA Cell

Joint inspection Report: Sugar

Date of Inspection: 02-09-2014

A: General Information			
1.	Name of the unit and address	TRIVENI ENGG & IND. LTD, SUGAR UNIT- DEOBAND SAHARANPUR - U.P 247554	
2.	Name of the Proprietor/ Contact person – Designation Contact No.	SH. DEENA NATH MISHRA (VICE PRESIDENT) 01336-222185, 222497, 222866	
3.	Year of Commissioning.	1933	
4.	Sector	Cooperative/Public/Private	
5.	Production details. • Products • Installed Prod. Cap • Operating capacity	SUGAR 14000 TCD 9000 TCD	
6.	Cane crushing capacity	14000 TCD	
7.	Cane crushed last year	8060722.65 QTLS	
8.	Molasses generation	429545 QTLS	
9.	Press Mud generation	457262.91 QTLS	
10.	Operational status	1. Operating ✓2. Non operational due rainy season (OFF-SEASON) 3. Closed by direction 4. Closed by own	
B: Water Pollution and its Control:			
1.	Water Supply Source(s)	1. GROUND WATER	
	Water Consumption (KLD)	Industrial	APRIL 2014 CONSUMPTION
		Domestic	REPORT IS ATTACHED
2.	Water Meter to show consumption	Available / Not available	AVAILABLE
3.	Flow measuring device installed at outlet of ETP	Available / Not available	V- NOTCH

4.	Waste Water generation (KLD) (before treatment) ➢ Industrial ➢ Domestic	12.00 KLD
5.	Waste Water treatment capacity (KLD) ➢ Industrial ➢ Domestic	2592 KLD
6.	Details of ETP ➢ ETP Description with flow diagram ➢ Details of Reverse Osmosis plant, if any ➢ Details of Multi Effect Evaporator, if any	FLOW DIAGRAM ATTACHED -- --
7.	Waste water discharged (after treatment)(KLD) ➢ Industrial Domestic	1120 KLD
8.	Mode of disposal of treated effluent (Details)	On land/ Surface water
9.	Sample distributed into no. of parts (2/3)	
10.	Sludge disposal mode	SLUDGE DRYING BED

11.	Effluent collection locations & analysis results (if collected) RESULTS ARE AS PER TEST REPORT OF 16.12.2013	Locations	Parameters			
			pH	BOD (mg/l)	COD (mg/l)	TSS (mg/l)
		Outlet	7.4	26	118	132
		Others				

(I) Information regarding Ferti-irrigation		
1.	Details of treatment effluent before Ferti-irrigation	-
2.	Command area for irrigation (available land area)	-
3.	System for dilution of treated effluent required for ferti-irrigation	-
4.	System of transportation of treated effluent upto field.	THROUGH DRAINS
5.	Formal agreements with farmers for using treated effluent	

Chandeep

6.	Storage facility available for treated effluent during low demand period	YES
7.	Quality of effluent being used for ferti-irrigation	—
8.	Ground water monitoring network	(Available /Not available) AVAILABLE
C: Air Pollution and its Control		BOILER
1.	Sources of Air Pollution	① ② ③ ④ ⑤
2.	➢ Type of Fuel used with consumption	20TPH 25TPH 65TPH 60TPH 20TPH BAGASSE
3.	➢ Stack details (HEIGHT IN MTRS)	① ② ③ ④ ⑤ 30.5 30.5 40.0 40.0 30.5
4.	➢ APCS details	1. WET SCRUBBER 2. WET SCRUBBER 3. WET SCRUBBER 4. WET SCRUBBER
5.	Samples collections points (if collected) SAMPLE COLLECTED ON 16.12.13	**PM** (mg/Nm³) 144

Photographs indicating locations:

3.2" x3.2"

Picture enclosed

Mittal
(R. K. Mittal)
Dy. G.M (Mfg)
THL - Deoband

Shaukeen

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Pic 1: Entry	Pic 2: ETP (at least 1)
Pic: 3 Chimney (All visible)	Pic 4: Discharge points

Picture enclosed

E. Route of effluent to reach river Ganga/Yamuna
(Please indicate starting from the outlet drain of the unit)

Plant was closed

1	Name of officials inspecting	Name & Designations	Signature
		Sh. Rajiv, RO	Rajiv
		Sh. Sharandeep Singh	Sharandeep
		Sh. A.K Mishra	
2	Date of report Submission		

Picture of M/S Triveni Engg & Industries Ltd. Sugar Unit Deoband Saharanpur

Inlet

Drain

Clarifier

Aeration

Annexure - VI 268

CENTRAL POLLUTION CONTROL BOARD

NGRBA Cell

Joint inspection Report: Distillery

Date of Inspection: 3 [illegible]

A: General Information		
1.	Name of the unit and address	Bajaj Hindusthan Ltd Unit Gangnauli [illegible] Distt - Saharanpur U.P. 247 [illegible]
2.	Name of the Proprietor/ Contact person – Designation Contact No.	[illegible] [illegible] 01336-2357[illegible]
3.	Year of Commissioning.	2007
4.	Sector	Cooperative/Public/Private
5.	Production details. • Products • Installed Prod. Cap. • Consented Prod. Cap • Restricted Prod. Cap.	Rectified spirit Absolute alcohol 160KLD
6.	Raw materials & their requirement	Molasses [illegible]
7.	Operational status	1. Operating 2. Non operational due rainy season 3. Closed by direction 4. Closed by own

B: Water Pollution and its Control:			
1.	Water Supply Source	Tube well	
	Water Consumption (KLD)	Industrial	2400 KLD
		Domestic	22 KLD
2.	Water Meter to show consumption	Available / Not available	
3.	Flow measuring device installed at outlet of ETP	Available / Not available V. Notch	
4.	Waste Water generation (KLD) (before treatment) ➢ Industrial ➢ Domestic	800 KLD 10KLD	
5.	Waste Water treatment capacity (KLD) ➢ Industrial ➢ Domestic	850KLD (Biomethanation, [illegible] composting)	

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6.	Details of ETP ➢ ETP Description with flow diagram ➢ Details of Reverse Osmosis plant, if any ➢ Details of Multi Effect Evaporator, if any	
7.	Waste water discharged (after treatment)(KLD) ➢ Industrial Domestic	
8.	Mode of disposal of treated effluent (Details)	On land/ Surface water
9.	Sample distributed into no. of parts (2/3)	
10.	Sludge disposal mode	
11.	Effluent collection locations & analysis results (if collected)	

Locations	Parameters			
	pH	BOD (mg/l)	COD (mg/l)	TSS (mg/l)
Outlet				
Others				

(I) Information regarding Bio-composting

1.	Active area for bio compost preparation (m^2)	
2.	Area for press mud storage (m^2)	
3.	Area for bio compost storage (m^2)	
4.	Spent wash storage capacity	
5.	Availability of pressmud	
6.	Quantity of compost prepared (Monthly statement of last year)	
7.	Quantity of pressmen procured (Monthly statement)	
8.	Details of wind roses (Number, length, height, width of stacking, space between two wind rose)	
9.	Quantity of Effluent being used for composting (m^3/day) :	

10.	Quantity of press mud being used for one cycle	15525 MT
11.	Maturity time in days for one cycle	50 – 60 day
12.	Arrangement for rainy season	Removed from yard [illegible] Plant shut down [illegible]
13.	Quality of ground water in the area and depth of ground water table	Analysis Report Attached
(II) Information regarding Ferti-irrigation		
1.	Details of treatment of spent wash (details of bio methanisation, primary and secondary treatment)	
2.	Command area for irrigation (available land area)	
3.	System for dilution of treated effluent required for ferti-irrigation	
4.	System of transportation of treated effluent upto field.	NA
5.	Formal agreements with farmers for using treated effluent	
6.	Storage facility available for treated effluent during low demand period	
7.	Quality of effluent being used for ferti-irrigation	
8.	Ground water monitoring network	(Available /Not available)
C: Air Pollution and its Control		
1.	Sources of Air Pollution	Boiler Stack (Installed at Sugar Unit)
2.	➢ Type of Fuel used with consumption	Bagasse and Biogas
3.	➢ Stack details	RCC made, 5.6 mtr dia, 65 mtr height
4.	➢ APCS details	1. Wet tray type wet scrubber 2. 3. 4.
5.	Samples collections points (if collected)	**PM** (mg/Nm^3):

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Pic 1: Entry	Pic 2: ETP (at least 1)
Pictures attached for reference Pic: 3 Chimney (All visible)	Pic 4: Discharge points

E. Route of effluent to reach river Ganga/Yamuna
(Please indicate starting from the outlet drain of the unit)

Plant was closed

1	Name of officials inspecting	Name & Designations	Signature
		Sh. Rajiv, RO.	Rajiv
		Sh. Shanandeep Singh, Sc'c'	Shanandeep
		Sh. A.K Mishra.	
2	Date of report Submission		

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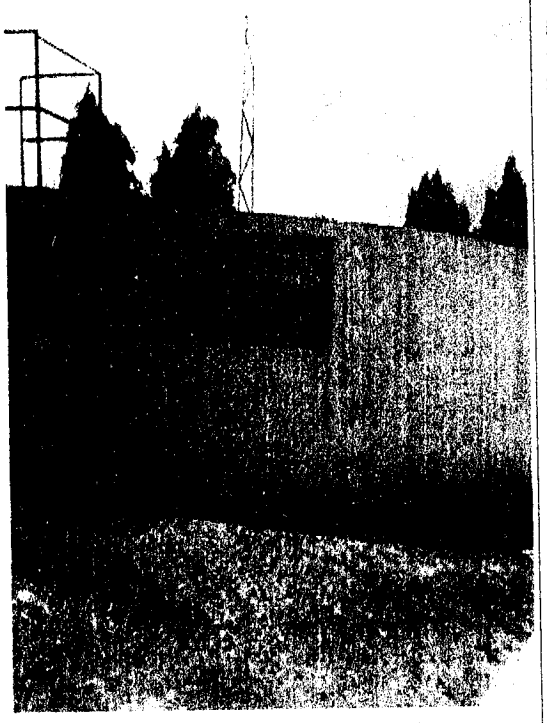
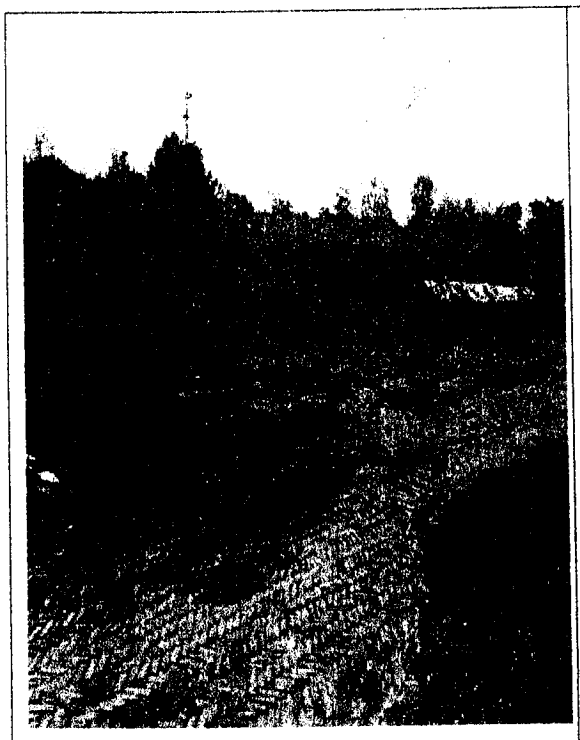
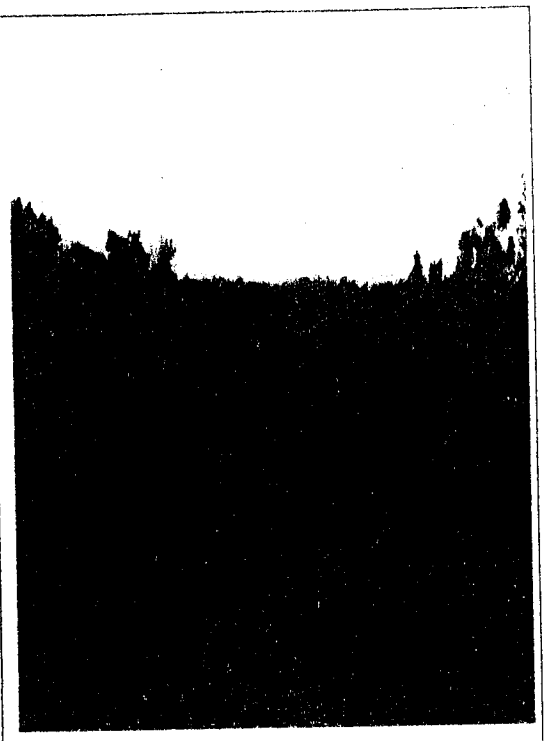
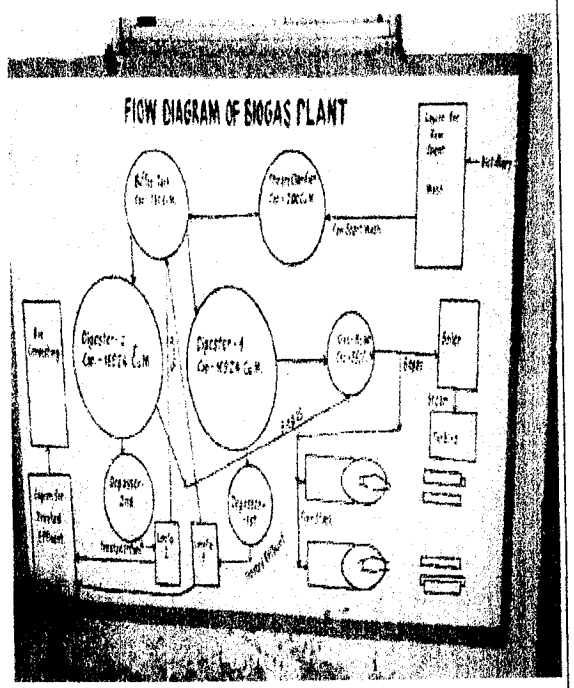
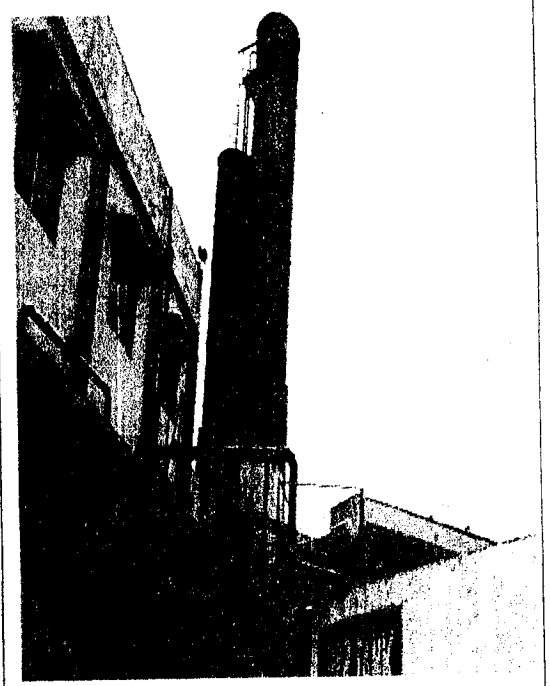
Picture of M/S Bajaj Hindusthan Ltd. Unit Gangnoli, Saharanpur (Distillery)	
	
Side view of Buffer Tank	Top view of Buffer Tank
	
Lagoon	Bio- methanation Plant Gas Holder





Bio Composting Yard





Flow Diagram

Stack

Copies (RO)

Updated

Annexure VII

CENTRAL POLLUTION CONTROL BOARD

NGRBA Cell

Joint inspection Report: Sugar

Date of Inspection: _____

A: General Information		
1.	Name of the unit and address	
2.	Name of the Proprietor/ Contact person - Designation Contact No.	
3.	Year of Commissioning.	
4.	Sector	Cooperative/Public/Private
5.	Production details. ◦ Products ◦ Installed Prod. Cap ◦ Operating capacity	
6.	Cane crushing capacity	
7.	Cane crushed last year	
8.	Molasses generation	
9.	Press Mud generation	
10.	Operational status	1. Operating 2. Non operational due rainy season 3. Closed by direction 4. Closed by own

B: Water Pollution and its Control:			
1.	Water Supply Source(s)	1.	
	Water Consumption (KLD)	Industrial	
		Domestic	
2.	Water Meter to show consumption	Available / Not available	
3.	Flow measuring device installed at outlet of ETP	Available / Not available	

4.	Waste Water generation (KLD) (before treatment) ➢ Industrial ➢ Domestic	
5.	Waste Water treatment capacity (KLD) ➢ Industrial ➢ Domestic	
6.	Details of ETP ➢ ETP Description with flow diagram ➢ Details of Reverse Osmosis plant, if any ➢ Details of Multi Effect Evaporator, if any	
7.	Waste water discharged (after treatment)(KLD) ➢ Industrial Domestic	
8.	Mode of disposal of treated effluent (Details)	On land/ Surface water
9.	Sample distributed into no. of parts (2/3)	
10.	Sludge disposal mode	

11.	Effluent collection locations & analysis results (if collected)	**Locations**	**Parameters**			
			pH	**BOD (mg/l)**	**COD (mg/l)**	**TSS (mg/l)**
		Outlet				
		Others				

(I) Information regarding Ferti-irrigation		
1.	Details of treatment effluent before Ferti-irrigation	
2.	Command area for irrigation (available land area)	
3.	System for dilution of treated effluent required for ferti-irrigation	
4.	System of transportation of treated effluent upto field.	
5.	Formal agreements with farmers for using treated effluent	

6.	Storage facility available for treated effluent during low demand period	
7.	Quality of effluent being used for ferti-irrigation	
8.	Ground water monitoring network	(Available /Not available)
C: Air Pollution and its Control		
1.	Sources of Air Pollution	
2.	➢ Type of Fuel used with consumption	
3.	➢ Stack details	
4.	➢ APCS details	1. 2. 3. 4.
5.	Samples collections points (if collected)	PM (mg/Nm^3):
Photographs indicating locations:		
3.2" x3.2"		

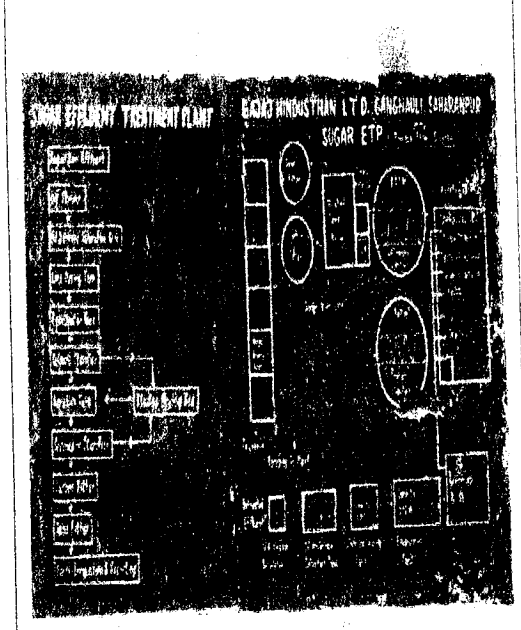
Pic 1: Entry	Pic 2: ETP (at least 1)
Pictures enclosed for reference	
Pic: 3 Chimney (All visible)	Pic 4: Discharge points

E. Route of effluent to reach river Ganga/Yamuna
(Please indicate starting from the outlet drain of the unit)

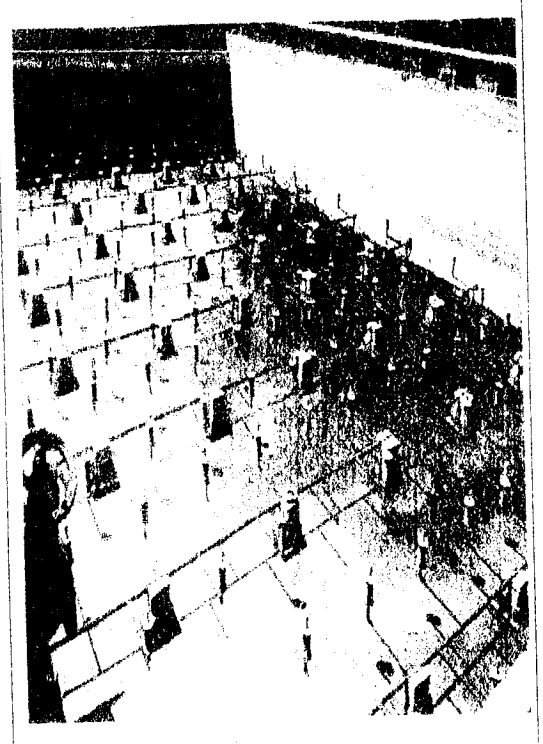
Plant was closed

1	Name of officials inspecting	Name & Designations	Signature
		Sh. Rajiv. RO.	
		Sh. Sharandeep Singh SEE	
		Sh. A.K Mishra.	
2	Date of report Submission		

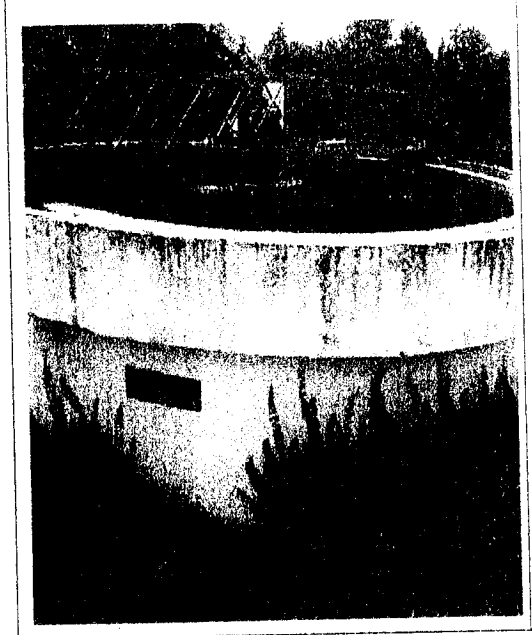
Picture of M/S Bajaj Hindusthan Ltd. Unit Gangnoli, Saharanpur (Sugar)

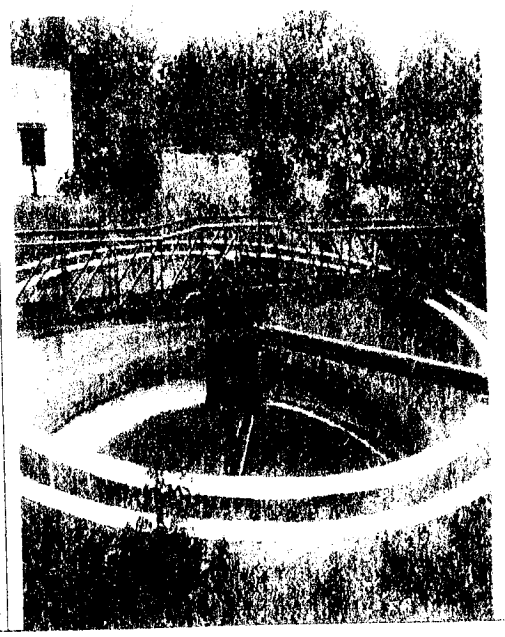


Block Diagram



Aeration Tank





Clarifier