

SIX MONTHLY COMPLIANCE REPORT

(FROM JULY-2024 TO DECEMBER-2024)

FOR NARAINGARH SUGAR MILLS LIMITED, NARAINGARH
(AMBALA) –HARYANA,

Naraingarh Sugar Mills Limited

Village –Banondi .P.O. Shahzadpur, Tehsil-Naraingarh

Distt. Ambala, (Haryana) 134202

Six Monthly Progress Reports for the Period of Six Month

from

1st July -2024 to 31st December-2024.

PROJECT: - Environmental Clearance for 25 MW Co-Generation Power Plant and Expansion cum Modernization of Existing sugar Mills from 2500 TCD to 5500 TCD capacity with Existing Premises at Naraingarh Sugar Mills Ltd Naraingarh District Ambala Haryana .

ENVIRONMENTAL CLEARANCE:

Ref.No. SEIAA No. SEIAA/HR/2014/1481 dated 21/12/2013 and 01/11/2014.

STATUS OF COMPLIANCE

CONDITIONS:-

SR. No.	POINTS (A) SPECIFIC CONDITIONS.	STATUS OF COMPLIANCE. (REPLY)
01	Efforts shall be made to reduce PM 2.5, PM10 levels in the ambient air and a time bound action plan shall be submitted .As proposed Electrostatic precipitator (ESP) along with stack of adequate height shall be provided to boiler to control particulate emission with in 100mg/NM3 .at no time , the emission level shall go beyond the prescribed standards . In the event of failure of any pollution control system adopted by the unit, the respective unit shall not be restarted until the control measures are rectified to achieve the desired efficiency. Efficiency of pollution control devices shall be monitored regularly; Stack monitoring report shall be submitted to the regional office MOEF. .	<p>Under Compliance and ESP level has been monitored the report is enclosed herewith. Report Date 09.01.2024. ESP outlet parameter in Online monitoring system always remains under the CPCB norms throughout the crushing season.</p> <p>A adequate measures like water sprinkling on all roads and unpaved areas being under taken to reduce the PM 2.5 and PM 10 level below ambient air quality Standards</p> <p>Latest Report Stack Emission (Boiler ESP) date of reporting 31.12.2024, copy Attached. (Period of analysis 27.12.2024 to 31.12.2024)</p>

02	The National Ambient Air Quality Standards issued by Ministry vide G.S.R.No. 826 (E) dated 16 th November-2009 shall be followed.	We will follow the National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th November, 2009. Ambient Air Quality Standards report 31.12.2024, copy Attached. (Period of analysis 27.12.2024 to 31.12.2024)
03	In plant, Control measures for checking fugitive emission from all the vulnerable sources shall be provided, fugitive emission shall be control by providing closed storage, closed handling & conveyance of chemicals/ materials, multi cyclone separator and water sprinkling system shall be Provided at loading areas to control dust emission Fugitive emission in the work Zone environment, production area, raw materials storage area etc. shall be regularly monitored and recodes shall be marinated. The emission shall confirm to the limits prescribed by Haryana State Pollution Control Board (HSPCB)	Under compliance ,same will be point no.01 and Raw materials storage area: Raw material of Sugar industry is Sugar cane which the farmers bring by their tractor trolley and stay in cane yard for 6-8 hours and feed directly to the cane carrier for crushing in the sugar mill. We have not stored to much bagasse however we have two nos closed shed Other Raw material/chemical store as per norms.
04	Pucca approach road to project shall be constructed prior to commencing construction activity of sugar mill so as to avoid fugitive emission.	Complied. Repairs and maintenance is being done.
05	The gaseous emission from DG set shall be dispersed through adequate stack height as per CPCB guideline .Acoustic enclosure shall be Provided to DG sets to mitigate the Noise Pollution.	As per CPCB guidelines, adequate Stack height to all the DG sets. Acoustic enclosure has been provided to mitigate the noise pollution. Noise level report 31.12.2024, copy Attached. (Period of analysis 27.12.2024 to 31.12.2024) D.G. Set running is negligible.
06	The Company shall upload the status of compliance of the stipulated environmental clearance condition, Including results of monitored data on its website and shall update the same periodically .It shall simultaneously be sent to the respective R.O. of MOEF, CPCB and HSPCB. The level of PM2.5, PM, 10So2, NOX in Ambient Air shall be monitored and displayed at a convenient location near the main Gate of the company and at important Public places.	Same is complied with. The ambient air quality monitoring was Carried out. (Period of analysis 27.12.2024 to 31.12.2024)) Copy Enclosed) Data is displayed near Main gate. (Photo attached) Report is send to the concerned authority.

07	Total fresh water requirement from ground water (Borewell) shall not exceed 970 m3/day for this project and prior permission for drawl of water shall be obtained from concerned authorities.	<p>The fresh water requirement is estimated to be 971 m3/day which is being met by ground water & recycled water. And we are using our existing bore wells and Recirculation water.</p> <p>Ground water test reports (Period of analysis 27.12.2024 to 31.12.2024) and report dated 31.12.2024. copy enclosed</p>
08	Effluent from sugar unit shall be treated in the effluent treatment plant comprising neutralization tank followed by two stage aeration system .ETP treated water should be used for farming /gardening within industry premises. Domestic sewage shall be Transferred into aeration tank for treatment.	<p>Complied with, Same is being Implemented and multimedia filter, carbon filter (tertiary treatment plant) has also provided. STP is provided for domestic sewage. Treated water is being used for farming/gardening. Capacity of equalizing tank increased, new 01 Nos neutralization tank and air diffuser with blower in aeration chamber and equalization tank, sludge drying bed capacity increased. New oil and grease pit constructed and oil skimmer installed etc.</p> <p>ETP operation , Repair & Maintenance cost, 1st July 2024 to 31st December 2024 , Rs. 8.0 Lac /-</p> <p>We are in process of upgration of ETP and installation of anaerobic treatment system. The cost of the project is approx... 2.0 Crore. Work in final stage.</p>
09	As proposed, no effluent from sugar plant shall be Discharged outside the premises and zero discharge shall be adopted.	Unit is operated on Zero Discharge concept.
10	Process effluent /any waste water shall not be allowed to mix with storm water. Storm water drain shall be passed through guard pond.	Separate storm water drains viaguard pond is available. Roof top Rain water harvesting system is also provided.
11	Adequate number of ground water quality monitoring stations by providing piezometers around the project area should be set up. Sampling and trend analysis monitoring must be made onmonthly a basis and report submitted to SPCB and this ministry. The ground water quality monitoring for pH, BOD, COD, Sulphate and TDS should be monitored ,sampling and trend analysis monitoring must be made on monthly basis and report Submitted to RO Ambala and HSPCB.	<p>Ground water samples from different locations were collected and latest test report (Period of analysis 27.12.2024 to 31.12.2024) Copy Enclosed and report dated 31.12.2024.</p> <p>Piezometers are already installed.</p>

12	Bagasse storage shall be done in such a way that it does not get air born or fly ash around due to wind.	Under compliance, same will be as per point no.01 & point no.03
13	Boiler ash shall be stored separately as per CPCB guideline so that it shall not adversely affect the air quality, becoming air born by wind or water regime during rainy season by flowing along with the storm water. Direct exposure of works to fly ash & dust shall be avoided bagasse ash and coal ash shall be stored separately.	Complied as per CPCB guideline. Bagasse ash is stored separately. No coal is used in our unit. Bagasse ash does not mix with storm drain during rainy season. During the dry season we are sprinkling water regularly on fly ash to avoid flue away it the air.
14	Till the plant is ready for expansion the project proponent have to ensure for compliance of pollution control norms stipulated in consent to Operate for existing unit.	Complied. * Consent to operate for the year 2024-2025 is valid upto 30.09.2025. Copy enclosed * Hazardous waste authorization for the year 2024-2025 is valid upto 30.09.2025 and applied for renewal. Copy enclosed
15	Firefighting system shall be as per norms and cover all areas. Firefighting system Progress report (Period of analysis 01.07.2024 to 31.12.2024)	Complied, the firefighting line is laid at every station and around the fuel yard with 20 no. hydrant posts mounted on it. 84 no. fire extinguishers are also provided at various stations in Sugar as well as Power plant. Unit has trained firefighting staff headed with fire safety officer. In this period we have spent Rs. 4354/- for Refill of Fire extinguisher date 10.09.2024

Note: Every month, internal training of fire safety and health is given to all our workers and we have put up banners related to fire safety and health at different places. Photo Enclosed.

16	Risk Assessment shall be carried out to assess the Fire and explosion risk.	Complied. All arrangements like fire safety equipment's have been done at all sensitive stations in the plant.
17	Occupational health surveillance programme shall be undertaken as regular exercise for all the employees. The first aid facilities in the occupational center shall be strengthened and the regular medical test records of each employee shall be maintained separately.	Occupational health surveillance programme is being taken as a regular exercise for all the employees and their records is being maintained.

18	Dedicated parking facility for loading and unloading of materials shall be provided in the factory premises. Unit shall develop and implement good traffic management system for their incoming and outgoing vehicles to avoid congestion on the public road.	Same is being Complied with all parking facility for loading and unloading of material, we have developed and implemented good traffic management system. There is no any congestion on the public road.
19	Green belt shall be developed in 33% of plot area to mitigate the effects of fugitive emission all around the plant as per CPCB guideline in consultation with the local DFO. Thick greenbelt with suitable plant species shall be developed around the Proposed distillery to mitigate the odor problem.	Complied. We have already developed a green belt 35% of the total land area with 2575 no of trees of 30 spices. Parks are well maintained. Copy Enclosed for green belt development.
20	All the commitments made during the public hearing /Public consultation meeting held on 10 th April, 2013 shall be satisfactorily implemented and adequate budget provision shall be made accordingly.	Same is complied with. Efforts are being made for satisfactory implementation.
21	Provision shall be made for the housing for construction labour within the site with all infrastructure and facilities such as fuel for cooking, mobile toilets, mobile sewage treatment plant, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structure to be removed after the completion of the project. All the construction wastes shall be managed so that there is no impact on the surrounding environment.	Same is complied with. Housing with adequate facilities has been provided for all employees accommodated in factory premises. As the unit is in running, there is no any construction Labour.
22	Only bagasse /Biomass should be used as fuel. Not to use wood logs, coal as fuel and no other fuels Should be used.	Same is complied with. Only bagasse is being used as fuel.
23	No ground water shall be drawn for the power plant at any stage. Treated waste water shall be used for sugar cane seed farm/green belt development. There should be no waste water discharge from the plant.	Same is complied with. HSPCB and CPCB guideline are being followed in this regards. Treated waste water discharged from the plant is being used for green belt and agriculture farm.
24	The infrastructure of transport road linking to the nearest main road shall be improved and maintained by proponent.	Same is complied with. Our factory is adjacent to NH 72 (7) and very much near to Hospital, Market and other facilities.

B.	GENERAL CONDITION	
1	The project authorities shall strictly adhere to the Stipulations made by the HSPCB.	Noted and being complied with. We are committed to follow and implement the guidelines of HSPCB and CPCB.
2	No Further expansion or modification in the plant shall be carried out without prior approval of SEIAA/MOEF. In case of deviation or alteration in the project proposed from those submitted to this ministry for clearance, it fresh reference shall be made to ministry to assess the adequacy of condition imposed and to add additional Environment protection measures required, if any.	No further expansion or modifications in the plant will be done carried out without prior approval from SEIAA and /MOEF (The Ministry of Environment and Forests Govt. Of India) ETP up-gradation has been done and new equipment installed.
3	The Locations of Ambient air quality monitoring station shall be decided in consultation with HSPCB and it shall be ensured that at least one station is installed in the up wind and downwind direction as well as where maximum ground level Concentrations are anticipated.	Same IS complied with. AAQM latest report is enclosed. (Period of analysis 27.12.2024 to 31.12.2024) and report dated 31.12.2024 . copy enclosed
4	The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measure including acoustic hoods ,silencers, enclosures etc. on all sources of noise generation. The ambient noise level shall conform to the standards prescribed under Environment (Protection) Act-1986.(75 b DA (day time) and 70 dBA(Night) .	The Same is complied. Following Measures are being adopted: 1.0 Acoustic enclosure for Turbine& D.G. sets is used. 2.0 Green belt development (plantation of dense trees across the boundary) will help in reducing noise levels in the plant as a result of attenuation of noise generated due to plant operations, and Transportation. The noise level monitoring is done and (Period of analysis 27.12.2024 to 31.12.2024) and report dated 31.12.2024 . Copy enclosed D.G. Set running is negligible.
5	The Company shall harvest rainwater from the roof-tops of the building and storm water drains to recharge the ground water and use the same water for the process activities of the project to conserve fresh water	Rainwater harvesting system is installed and water is being utilized to recharge the underground water source through scientifically designed rain water harvesting system. Proposal for surface rain water harvesting is being made for agriculture purpose. It may be implemented in off season. 50 % roof top rain water of boiling house (1200 sqm area) is collected in cooling tower basin and injection channels during rainy season which is utilized for irrigation purpose.

6	The company shall obtain authorization for collection, storage and disposal of hazardous waste under hazardous waste rules, 2008 and its amendment time to time and prior permission from SPCB shall be obtained for disposal of solid /hazardous waste including boiler ash.	Complied with. Copy of authorization for collection, storage and disposal of Hazardous waste is valid upto 30.09.2025.
7	During transfer of materials, spillages shall be avoided and garland drain be constructed to avoid mixing of accidental spillages with domestic Waste water and storm water drain.	Is being implemented. Unit is running on "Zero Effluent Discharge. There is a separate storm water drain.
8	Usage of personnel protection equipment's by all Employees /workers shall be ensured.	Personnel Protection equipment's safety helmet, safety shoes, safety goggles, hand gloves and nose masks are provided to all employees/ workers by the company. Uniform is also provided to the company workers.
9	Training shall be imparted to all employees on safety and health aspects of chemical handling; pre-employment and routine periodical medical examination of all employees shall be undertaken on regular basis. Training to all employees on Handling of chemicals shall be imparted.	Yes, we comply with as per norms; on duty training is being given to the employees. Mock drill also conducted for fire safety at least within three month.
10	The company shall also comply with all the environmental protection measures and safeguards proposed in the project report submitted to ministry. All the recommendations made in the EIA/EMP in respect of environment management, risk mitigation and public hearing relating to the Project shall be implemented.	We ensured that safeguard proposed is adopted.
11	Corporate Environment and social responsibility (CSER) shall be laid down by the project proponent (2% shall be earmarked) as per guideline of MOEF, GOI office memorandum no. J-11013/14/41/2006-IA.II (I) dated 18.05.2012 and Ministry Corporate Affairs, GOI, Notification dated 27/02/2014. A separate audit statement shall be submitted of the in the compliance. Environment related work proposed to be executed under this responsibility shall be undertaken simultaneously. The Project proponent shall select and prepare the list of the work for implementation of CSER of its own choice and shall submit the same before the start of Construction.	The financial condition of our unit is very poor, payment of sugar cane to the cane growers is pending, therefore at present we are unable to take CSR activities & development in the area.
12	The company shall undertake eco-development measures including community welfare measures in the project area for the overall improvement of the Environment.	Agreed and comply with the same.

13	A separate environment management cell equipped with full-fledged laboratory facilities shall be set up to carry out the Environmental Management and monitoring functions.	A separate Environmental Management Cell equipped with full-fledged laboratory Facilities have been set up.
14	As proposed the company shall earmark Rs. 15 Crores and Rs. 1.00 Crores toward capital cost and recurring cost per annum to implement the conditions stipulated by the SEIAA/MOEF and SPCB. The funds so earmarked for environment management /pollution control measures shall not be diverted for any other purpose.	As proposed fund invested.
15	A copy of the clearance letter shall be sent by the project proponent to concerned panchayat Zila Parisad /Municipal Corporation .unban local body and the local NGO. If any from suggestions/ representations, if any were received while Processing the proposal.	Complied with. Same has been sent to the authorities as required
16	The Project proponent shall also submit six monthly reports on the status of compliance of the stipulated environmental clearance including results of monitored data (both in hard copies as well as by email) to SEIAA Haryana and zonal officer of CPCB and HSPCB. a copy of environmental clearance and six monthly compliance status report Shall be posted on the website of the company.	Our Website Link website. www.naraingarhsugar.com
17	The environmental statement for each financial year ending 31 st march in form-V as is mandated shall be submitted to HSPCB, shall also put on website of the company along with the status of compliance of environmental clearance and shall also to the Chandigarh office of Moef by email.	Environmental statement for each financial year ending 31 st March 2024 in Form V/environmental audit report is prepared and submitted to HSPCB every year.
18	The project proponent shall inform the public that the project has been accorded environment clearance by Ministry and copies of clearance letter are available with the SPCB /committee and may also see at website of SEIAA. This shall be advertised within seven days from the that date of issue of the clearance letter at one least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of locality concerned and a copy of the same shall be in forwarded to the concerned regional office of the ministry.	Complied.

19	The project authorities shall inform the regional office as well the ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of start of the Project.	Complied with.
20	The SEIAA may revoke or suspend the clearance, if implementation of any of the above condition is not Satisfactory.	Agreed.
21	The SEIAA reserves the right to stipulate additional condition ,if found necessary .The company in a time bound manner will implement these condition s.	Agreed.
22	The above conditions will be enforced ,inter-alia under the provision of water (Prevention & control of pollution) act,1974 , Air (Prevention & Control of Pollution) Act,1981,the Environment (Protection Act,1986 , Hazardous waste (Management ,Handling and Trans boundary) rules,2008 and the public liability insurance Act, 1991, along with their amendment and rules.	Complied.

FOR NARAINGARH SUGAR MILLS LIMITED



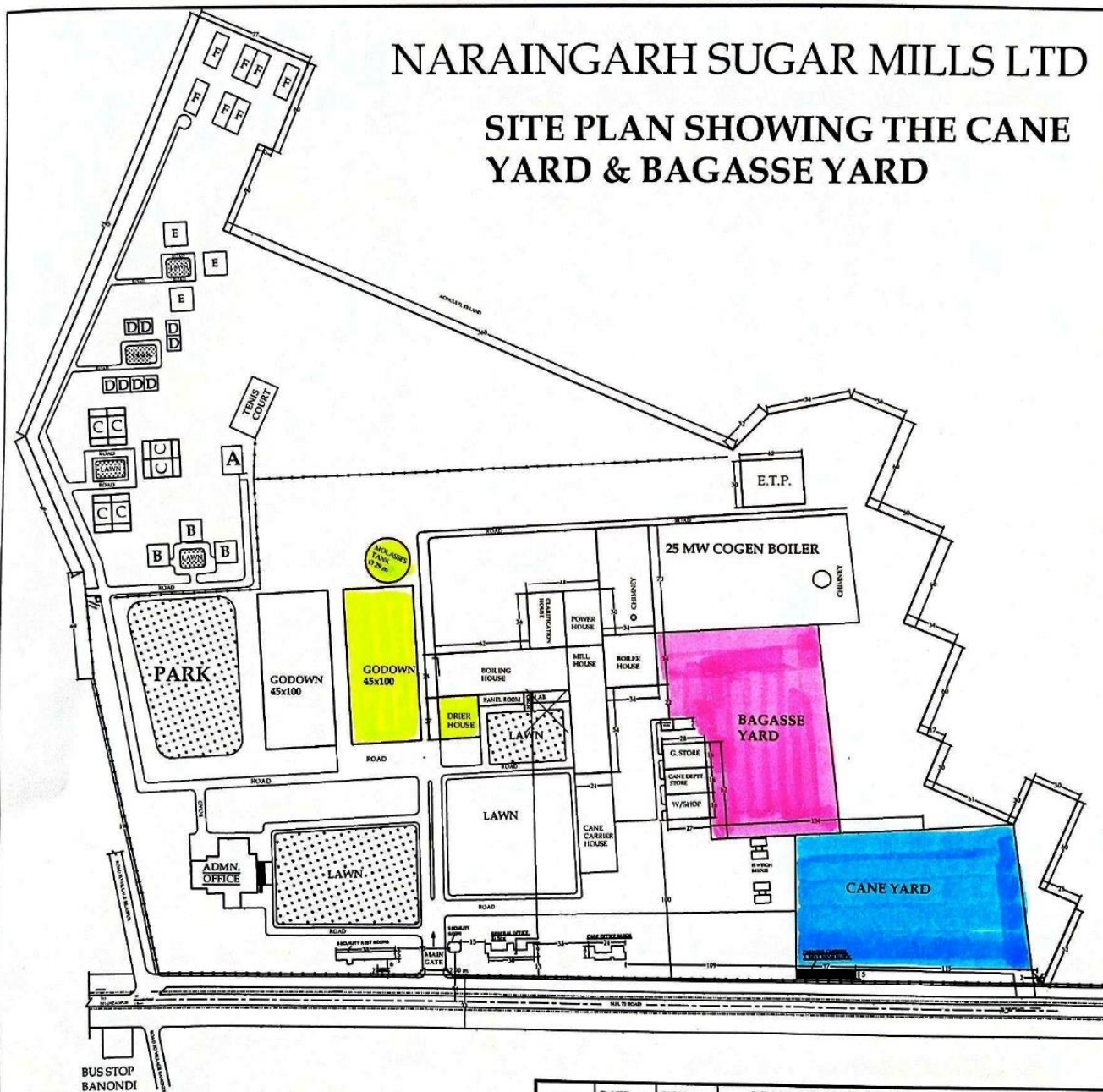
(Unit Head)

Enclosed: As above



1.	Copy of NOC for drawl of ground water and copy of fire NOC. (Sp. Condi. -1,2,6,7,15&16 and Gen. condi. -iii)	Copy of NOC for drawl of ground water: Application for the Ground water NOC is approved by Haryana Water Resources Authority. Copy enclosed. And applied for renewal of NOC.
2.	<p>PP has not submitted the fugitive emission monitoring data of work Zone environment.</p> <p>Production area and raw materials storage area etc. (Sp. Condi. -3)</p>	<p>Fugitive emission monitoring data : Test Report Enclosed</p> <p>Spraying water after a particular interval.</p> <p>Covering of MS sheets to isolate specific areas.</p> <p>Daily spraying of water on unpaved area and roads to avoid fugitive dust to reduce the PM 2.5 and PM 10 levels below ambient air quality standards.</p> <p>We have installed ESP to control the Fugitive emission monitoring.</p> <p>Raw materials storage area: Raw material of Sugar industry is Sugar cane which the farmers bring by their tractor trolley and stay in cane yard for 6-8 hours and feed directly to the cane carrier for crushing in the sugar mill.</p> <p>Other Raw material/chemical store as per norms.</p> <p>Production Area , Cane Yard & Bagasse Yard Drawing enclosed</p>

SITE PLAN SHOWING THE CANE YARD & BAGASSE YARD



	DATE	SIGN	NARAINGARH SUGAR MILLS LTD NARAINGARH
DRN			
CHD			TITLE:- SITE PLAN SHOWING THE CANE YARD & BAGASSE YARD
APPD			
ALL DIMENSION ARE IN METER			DRG. NO. :- CE / NSML / MH / - 300
SCALE :- #			

Production area and raw materials storage area etc. (Sp. Condi. -3)

3.	PP has not provided link of company website where copy of EC, environmental statement & six monthly compliance reports uploaded for public awareness and also not submitted compliance status of EC condition after Dec-2016. (Sp. Condi. -6 and Gen. condi. -xiii, xvi & xvii)	Link of company website : http://www.naraingarhsugarmillsltd.com/ Six monthly compliance reports: web site link available in our website.
4.	PP has not submitted latest ground water quality monitoring data and also not provided closed storage facility of bagasse at project site. (Sp. Condi. -11 & 1	(4a).Latest ground water quality monitoring data :- Copy Enclosed (4b) Closed storage facility of bagasse: We have two nos of sheds to store bagasse.
5.	PP has not submitted the records of health surveillance program conducted for the employees. Noise quality monitoring data and first aid facility at project site. (Sp. Condi. -17 and Gen. condi. -iv)	We organize health monitoring programs for the employees every three months and we have maintain a first aid centre in which free medicine is given to the patients every day after check-up. Some photograph enclosed.
6.	RWH Pit was observed with full' of algae & un-cleaned and also not submitted utilization details of fund allotted for maintenance of RWH pit. (Gen. Condi. -v)	6a. RWH Pit is being got cleaned regularly and filter media (Aggregate & sand) is replaced every year by the Mills daily wages workers. Covering with wire mesh is also done now.
7.	PP has not provided separate storage HW, copy of authorization from HSPCB, not provided collection & segregation facility of the household waste generating at project premises and also observed dumped at open site. (Gen. condi.-vi & xxii)	Separate storage HW, copy of authorization from HSPCB : Copy Enclosed (7a) and authorization shall be valid up to 30/09/2025. Proposal for Collection & segregation facility of the household waste generating at project premises: house hold waste generating storage shed is constructed.
8.	PP has not submitted the records or the training organized for employees regarding health & safety aspects and handling of chemicals. (Gen. condi.-ix)	Records or the training organized for employees regarding health & safety aspects and handling of chemicals. We are providing on the job training for the employees We will take all precaution measures to handle and storing the chemical including the training of personal.
9.	PP has not provided the details of the fund utilized under CSER activities. Separate audit statement of CSER activities and list of the work selected for the implementation under CSER. (Gen. condi.-xi)	9. This Sugar plant is in huge loss for last 3-4 years. This industry run in interest of farmers
10.	PP has not submitted details of environment management cell and details of fund utilized for environment management/pollution control measures form earmarked fund. (Gen. condi.-xiii & xiv)	10a. Environment management cell : Copy Enclosed 10b. Details of fund utilized : Copy Enclosed

No. of Plants Planted in Naraingarh Sugar Mill Complex:

Sr. No.	Name of species of plants	No. of Plants	Remarks
1.	Alstonia	20	
2.	Amaltas	10	
3.	Ashoka	140	
4.	Arocaria	04	
5.	Amia	14	
6.	Bottle Palm	130	
7.	Bottle Brush	190	
8.	Bamboo	10	
9.	Bel	15	
10.	Bahera	15	
11.	Bargad	02	
12.	Casia pink	03	
13.	Casia Guluka	05	
14.	Chiku	20	
15.	Casurina	17	
16.	Chakotra	02	
17.	Dates	03	
18.	Dek	20	
19.	Cheed	02	
20.	Eucaliptus	610	
21.	Ficus	150	
22.	Guava	51	
23.	Gulachin	14	
24.	Gulmohar	03	
25.	Jakranda	05	
26.	Jamun	20	

27	China Palm	16	
28	Ricca Palm	15	
29	Copper Bottle Brush	23	
30	Golden Bottle Brush	10	
31	Silver Oak	52	
32	kachnar	88	
33	Kanakchampa	150	
34	Kikker (Babool)	01	
35	Popular	11	
36	Teak	13	
37	Neem	21	
38	Saroo	01	
39	Lagistromia	15	
40	Rukmani	40	
41	Sheesham	22	
42	Sahtoot	65	
43	Pipal	22	
44	Leechi	60	
45	Peech	08	
46	Pear	30	
47	Mango	98	
48	Kaner	250	
49	Sadabahar	38	
50	Katahal	07	
51	Kinno	09	
52	Siras	02	
53	Lemon	11	
54	Parijat	02	
55	Shammi	01	2560

In this period we planted some trees details mentioned below:-

- | | |
|--------------------------|-------------------|
| 1. Eucalyptus | 4000 No. |
| 2. Barged | 5 Nos |
| 3. Papal | 5 Nos |
| 4. Neem | 5 Nos |
| Total Nos of Tree | = 6575 Nos |

Photo Showing Green Area Development in NSML Offices



Photo Showing Lawn Area in NSML- Main Office



Photo Showing New Plant grown in Near ETP



Medical Expenses details cost for period of 1st July 2024 to 31st December 2024 is Rs. 85968/-



We have given jackets, shoes and other items to all our employees. This is worth around Rs 4,85,000/- lakh.

Some photos of CEO, Unit Head and CFO of the Sugar Mill distributing jackets to NSML officers/workers.



Sugar Mill distributing jackets to NSML offices/workers.



Sugar Mill distributing jackets to NSML offices/workers.



Naraingarh Sugar Mill distributing jackets to NSML officers /workers.

Safety Shoes distributing to NSML workers.



Children from some nearby schools keep visiting the sugar mill for industrial tour.

The sugar mill provides sugarcane juice free of cost to the school children for drinking.



Children's for Prime Steps International School Shahzadpur Photo-1



Industrial Visit

Children's for Prime Steps International School Shahzadpur Photo-2



Children's for Prime Steps International School Shahzadpur –Photo-3

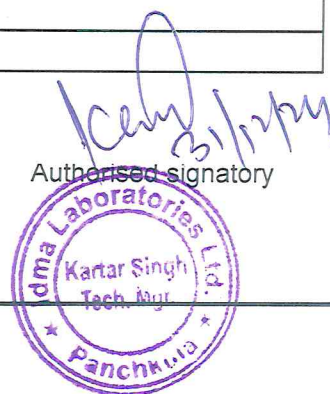


TEST REPORT

Lab No.	271224L-ED-058			Page No. 1/2	
Customer#	Naraingarh Sugar Mills Limited P.O. Shahzadpur, Teh Naraingarh Distt. Ambala -134202 (Haryana) Haryana				
Type of Sample#	Stack Emission (Boiler)				
Customer's Description of Sample#	Stack Emission (Boiler)				
Quantity#	01 No.				
Packing, Markings#	Filter Paper Packed in Polythene Pouch.				
Mode of Collection of Sample	Sampling by Laboratories				
Work Order No.#	NSML/2023-24/97			Dated	27/12/2023
Date of Receipt of Sample	27/12/2024				
Period of Analysis	27/12/2024 To 31/12/2024				
Sampling Team	Idma Representative Team			Client	Mr. Udesb Singh
Sampling Location#	Stack Attach to Boiler ESP Outlet				
Visual Observation	N/A				
Date of Sampling	25/12/2024				
Date of Reporting	31/12/2024				
Sampling Protocol	LATS/80/2013-14 USEPA:2013				
Testing Protocol	CPCB				

RESULTS

S.No.	Test Parameter	Units	Results	Specifications	Test Method
	CHEMICAL TESTING (ATMOSPHERIC POLLUTION):	-	-	-	
	STACK MONITORING -GENERAL INFORMATIONS:	-	-	-	
1	Stack Height	Meters	75	-	-
2	Stack Diameter	Meters	3.5	-	-
3	Ambient Temperature	°C	19	-	-
4	Stack Temperature	°C	161	-	-
5	Velocity	m/s	8.7	-	-
6	Type of Fuel	-	Bagasse	-	-



Idma Laboratories Limited

Idma Corporate Park,

391, industrial Area, Phase - 1,

Panchkula - 134113,

Haryana (India)

Tel No. 0172 - 5064827,- 5064830

Website : www.idmagroup.co.in

Disclaimer :

- The Test Report is only for the sample tested.
- Samples not drawn by us unless otherwise stated.
- Total liability of Idma Laboratories Limited is limited to the invoiced amount.
- If sample(s) not consumed, they will be stored & retained as per Company Policy / quality System Procedure.
- The Test Report shall not be reproduced except in full without the written approval of the laboratory.
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- The Test Report in full or parts shall not be used for promotional or publicity purpose.
- Legal disputes are subjected to Panchkula Jurisdiction only.
- Any complaint/discrepancies in this Test Report Should be communicated in writing within 15 days of the dispatch of Test Report.
- In case of any dispute, the terms & conditions of Idma Laboratories Limited shall prevail.



Idma Laboratories Limited



TEST REPORT

Lab No.		271224L-ED-058				Page No. 2/2
S.No.	Test Parameter	Units	Results	Specifications	Test Method	
7	Sampling Flow rate	LPM	17	-	-	
8	Sampling Time	Minutes	44	-	-	
9	Volumetric Flow rate	Nm ³ /hr	206257.5	-	-	
	PARAMETERS:	-	-	-	-	
10	PM	mg /Nm ³	89.6	Max. 250	IS:11255(Part -1)	
11	NOx	mg /Nm ³	51.2	-	IS: 11255(Part -7)	
12	SO2	mg /Nm ³	64.5	-	IS: 11255(Part -2)	

Represents details provided by the customer.

End of Report



Authorised signatory



Idma Laboratories Limited

Idma Corporate Park,

91, Industrial Area, Phase - 1,

Panchkula - 134113,

Haryana (India)

tel No. 0172 - 5064827, - 5064830

Website : www.idmagroup.co.in

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Idma Laboratories Limited



TC-8207

TEST REPORT

Lab No.	271224L-ED-053/A			Page No. 1/2	
Customer#	Naraingarh Sugar Mills Limited P.O. Shahzadpur, Teh Naraingarh Distt. Ambala -134202 (Haryana) Haryana				
Type of Sample#	Ambient Air				
Customer's Description of Sample#	Ambient Air				
Quantity#	01 No.				
Packing, Markings#	Filter Paper Packed in Polythene Pouch.				
Mode of Collection of Sample	Sampling by Laboratories				
Work Order No.#	NSML/2023-24/97	Dated	27/12/2023		
Date of Receipt of Sample	27/12/2024				
Period of Analysis	27/12/2024 To 31/12/2024				
Sampling Team	Idma Representative Team	Client	Mr. Udesb Singh		
Sampling Location#	Main Gate Area				
Visual Observation	N/A				
Date of Sampling	25/12/2024				
Date of Reporting	31/12/2024				
Sampling Protocol	NAAQMS/36/2012-13 USEPA:2013				
Testing Protocol	NAAQS				

RESULTS

S.No.	Test Parameter	Units	Results	Specifications	Test Method
	CHEMICAL TESTING (ATMOSPHERIC POLLUTION)	-	-	-	-
1	PM 10	µg/m ³	80.8	Max. 100	IS 5182 (Part 23)
2	PM2.5	µg/m ³	39.5	Max. 60	IDL/SP/03, Issue No-1
3	SO ₂	µg/m ³	17.62	Max. 80	IS 5182 (Part 2)
4	NO ₂	µg/m ³	20.41	Max. 80	IS 5182 (Part 6)
5	NH ₃	µg/m ³	22.6	Max. 400	IS 5182 (Part-25)
6	Ozone	µg/m ³	22	Max. 100	IS 5182 (Part 9)
7	Arsenic	ng/m ³	<1.0	Max. 06	EPA/625/R-96/010a
8	Nickel	ng/m ³	<8.0	Max. 20	EPA/625/R-96/010a



Authorised signatory



Idma Laboratories Limited

Idma Corporate Park,

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Tel No. 0172 - 5064827, - 5064830

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TEST REPORT

Lab No.		271224L-ED-053/A				Page No. 2/2
S.No.	Test Parameter	Units	Results	Specifications	Test Method	
9	Lead	µg/m³	0.13	Max. 1.0	EPA/625/R-96/010a	

Represents details provided by the customer.

End of Report



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Idma Laboratories Limited

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Idma Laboratories Limited

TEST REPORT

Lab No.	271224L-ED-053/B		Page No. 1/1
Customer#	Naraingarh Sugar Mills Limited P.O. Shahzadpur, Teh Naraingarh Distt. Ambala -134202 (Haryana) Haryana		
Type of Sample#	Ambient Air		
Customer's Description of Sample#	Ambient Air		
Quantity#	01 No.		
Packing, Markings#	Filter Paper Packed in Polythene Pouch.		
Mode of Collection of Sample	Sampling by Laboratories		
Work Order No.#	NSML/2023-24/97	Dated	27/12/2023
Date of Receipt of Sample	27/12/2024		
Period of Analysis	27/12/2024 To 31/12/2024		
Sampling Team	Idma Representative Team	Client	Mr. Udesb Singh
Sampling Location#	Main Gate Area		
Visual Observation	N/A		
Date of Sampling	25/12/2024		
Date of Reporting	31/12/2024		
Sampling Protocol	NAAQMS/36/2012-13 USEPA:2013		
Testing Protocol	NAAQS		

RESULTS

S.No.	Test Parameter	Units	Results	Specifications	Test Method
1	CO	mg/m ³	0.59	Max. 02	IS 5182 (Part 10)
2	Benzene	µg/m ³	2.15	Max. 05	IS 5182 (Part 11)
3	Benzo-a-Pyrene(BaP) - Particulate phase	ng/m ³	<0.9	Max. 01	IS 5182 (Part 12)

Represents details provided by the customer.

End of Report



Kartar Singh
31/12/24
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Idma Laboratories Limited



TEST REPORT

Lab No.	271224L-ED-054/A			Page No. 1/2	
Customer#	Naraingarh Sugar Mills Limited P.O. Shahzadpur, Teh Naraingarh Distt. Ambala -134202 (Haryana) Haryana				
Type of Sample#	Ambient Air				
Customer's Description of Sample#	Ambient Air				
Quantity#	01 No.				
Packing, Markings#	Filter Paper Packed in Polythene Pouch.				
Mode of Collection of Sample	Sampling by Laboratories				
Work Order No.#	NSML/2023-24/97	Dated	27/12/2023		
Date of Receipt of Sample	27/12/2024				
Period of Analysis	27/12/2024 To 31/12/2024				
Sampling Team	Idma Representative Team	Client	Mr. Udesb Singh		
Sampling Location#	Factory Side Area				
Visual Observation	N/A				
Date of Sampling	25/12/2024				
Date of Reporting	31/12/2024				
Sampling Protocol	NAAQMS/36/2012-13 USEPA:2013				
Testing Protocol	NAAQS				

RESULTS

S.No.	Test Parameter	Units	Results	Specifications	Test Method
	CHEMICAL TESTING (ATMOSPHERIC POLLUTION)	-	-	-	-
1	PM 10	µg/m ³	79.3	Max. 100	IS 5182 (Part 23)
2	PM2.5	µg/m ³	38.7	Max. 60	IDL/SP/03, Issue No-1
3	SO ₂	µg/m ³	17.25	Max. 80	IS 5182 (Part 2)
4	NO ₂	µg/m ³	19.98	Max. 80	IS 5182 (Part 6)
5	NH ₃	µg/m ³	22.2	Max. 400	IS 5182 (Part-25)
6	Ozone	µg/m ³	20	Max. 100	IS 5182 (Part 9)
7	Arsenic	ng/m ³	<1	Max. 06	EPA/625/R-96/010a
8	Nickel	ng/m ³	<8	Max. 20	EPA/625/R-96/010a



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Idma Laboratories Limited



TEST REPORT

Lab No.		271224L-ED-054/A				Page No. 2/2
S.No.	Test Parameter	Units	Results	Specifications	Test Method	
9	Lead	µg/m³	0.12	Max. 1.0	EPA/625/R-96/010a	

Represents details provided by the customer.

End of Report

Reviewed by
31/12/24



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Idma Laboratories Limited

TEST REPORT

Lab No.	271224L-ED-054/B			Page No. 1/1	
Customer#	Naraingarh Sugar Mills Limited P.O. Shahzadpur, Teh Naraingarh Distt. Ambala -134202 (Haryana) Haryana				
Type of Sample#	Ambient Air				
Customer's Description of Sample#	Ambient Air				
Quantity#	01 No.				
Packing, Markings#	Filter Paper Packed in Polythene Pouch.				
Mode of Collection of Sample	Sampling by Laboratories				
Work Order No.#	NSML/2023-24/97	Dated	27/12/2023		
Date of Receipt of Sample	27/12/2024				
Period of Analysis	27/12/2024 To 31/12/2024				
Sampling Team	Idma Representative Team	Client	Mr. Udesb Singh		
Sampling Location#	Factory Side Area				
Visual Observation	N/A				
Date of Sampling	25/12/2024				
Date of Reporting	31/12/2024				
Sampling Protocol	NAAQMS/36/2012-13 USEPA:2013				
Testing Protocol	NAAQS				

RESULTS

S.No.	Test Parameter	Units	Results	Specifications	Test Method
1	CO	mg/m ³	0.61	Max. 02	IS 5182 (Part 10)
2	Benzene	µg/m ³	2.11	Max. 05	IS 5182 (Part 11)
3	Benzo-a-Pyrene(BaP) - Particulate phase	ng/m ³	<0.9	Max. 01	IS 5182 (Part 12)

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Idma Laboratories Limited



TC-8207

TEST REPORT

Lab No.	271224L-ED-055/A			Page No. 1/2	
Customer#	Naraingarh Sugar Mills Limited P.O. Shahzadpur, Teh Naraingarh Distt. Ambala -134202 (Haryana) Haryana				
Type of Sample#	Ambient Air				
Customer's Description of Sample#	Ambient Air				
Quantity#	01 No.				
Packing, Markings#	Filter Paper Packed in Polythene Pouch.				
Mode of Collection of Sample	Sampling by Laboratories				
Work Order No.#	NSML/2023-24/97	Dated	27/12/2023		
Date of Receipt of Sample	27/12/2024				
Period of Analysis	27/12/2024 To 31/12/2024				
Sampling Team	Idma Representative Team	Client	Mr. Udesb Singh		
Sampling Location#	Power Co-gen Side Area				
Visual Observation	N/A				
Date of Sampling	25/12/2024				
Date of Reporting	31/12/2024				
Sampling Protocol	NAAQMS/36/2012-13 USEPA:2013				
Testing Protocol	NAAQS				

RESULTS

S.No.	Test Parameter	Units	Results	Specifications	Test Method
	CHEMICAL TESTING (ATMOSPHERIC POLLUTION)	-	-	-	-
1	PM 10	µg/m ³	81.3	Max. 100	IS 5182 (Part 23)
2	PM2.5	µg/m ³	40.1	Max. 60	IDL/SP/03, Issue No-1
3	SO2	µg/m ³	17.68	Max. 80	IS 5182 (Part 2)
4	NO2	µg/m ³	20.7	Max. 80	IS 5182 (Part 6)
5	NH3	µg/m ³	24.3	Max. 400	IS 5182 (Part-25)
6	Ozone	µg/m ³	21	Max. 100	IS 5182 (Part 9)
7	Arsenic	ng/m ³	<1.0	Max. 06	EPA/625/R-96/010a
8	Nickel	ng/m ³	<8.0	Max. 20	EPA/625/R-96/010a

Reviewed by



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Idma Laboratories Limited



TC-8207

TEST REPORT

Lab No.		271224L-ED-055/A				Page No. 2/2
S.No.	Test Parameter	Units	Results	Specifications	Test Method	
9	Lead	µg/m ³	0.15	Max. 1.0	EPA/625/R-96/010a	

Represents details provided by the customer.

End of Report



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Idma Laboratories Limited

TEST REPORT

Lab No.	271224L-ED-055/B			Page No. 1/1	
Customer#	Naraingarh Sugar Mills Limited P.O. Shahzadpur, Teh Naraingarh Distt. Ambala -134202 (Haryana) Haryana				
Type of Sample#	Ambient Air				
Customer's Description of Sample#	Ambient Air				
Quantity#	01 No.				
Packing, Markings#	Filter Paper Packed in Polythene Pouch.				
Mode of Collection of Sample	Sampling by Laboratories				
Work Order No.#	NSML/2023-24/97		Dated	27/12/2023	
Date of Receipt of Sample	27/12/2024				
Period of Analysis	27/12/2024 To 31/12/2024				
Sampling Team	Idma Representative Team		Client	Mr. Udesb Singh	
Sampling Location#	Power Co-gen Side Area				
Visual Observation	N/A				
Date of Sampling	25/12/2024				
Date of Reporting	31/12/2024				
Sampling Protocol	NAAQMS/36/2012-13 USEPA:2013				
Testing Protocol	NAAQS				

RESULTS

S.No.	Test Parameter	Units	Results	Specifications	Test Method
1	CO	mg/m ³	0.55	Max. 02	IS 5182 (Part 10)
2	Benzene	µg/m ³	2.16	Max. 05	IS 5182 (Part 11)
3	Benzo-a-Pyrene(BaP) - Particulate phase	ng/m ³	<0.9	Max. 01	IS 5182 (Part 12)

Represents details provided by the customer.

End of Report

Reviewed by

Dipi Jain
Asst. Tech. Manager
Idma Laboratories Ltd.
Panchkula

Authorised Signatory

Kartar Singh
Tech. Mgr.
Idma Laboratories Ltd.
Panchkula

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Idma Laboratories Limited



TEST REPORT

Lab No.	271224L-ED-056/A		Page No. 1/2
Customer#	Naraingarh Sugar Mills Limited P.O. Shahzadpur, Teh Naraingarh Distt. Ambala -134202 (Haryana) Haryana		
Type of Sample#	Ambient Air		
Customer's Description of Sample#	Ambient Air		
Quantity#	01 No.		
Packing, Markings#	Filter Paper Packed in Polythene Pouch.		
Mode of Collection of Sample	Sampling by Laboratories		
Work Order No.#	NSML/2023-24/97	Dated	27/12/2023
Date of Receipt of Sample	27/12/2024		
Period of Analysis	27/12/2024 To 31/12/2024		
Sampling Team	Idma Representative Team	Client	Mr. Udesb Singh
Sampling Location#	Colony Side Area		
Visual Observation	N/A		
Date of Sampling	25/12/2024		
Date of Reporting	31/12/2024		
Sampling Protocol	NAAQMS/36/2012-13 USEPA:2013		
Testing Protocol	NAAQS		

RESULTS

S.No.	Test Parameter	Units	Results	Specifications	Test Method
	CHEMICAL TESTING (ATMOSPHERIC POLLUTION)	-	-	-	-
1	PM 10	µg/m ³	78.6	Max. 100	IS 5182 (Part 23)
2	PM2.5	µg/m ³	36.4	Max. 60	IDL/SP/03, Issue No-1
3	SO ₂	µg/m ³	17.22	Max. 80	IS 5182 (Part 2)
4	NO ₂	µg/m ³	19.75	Max. 80	IS 5182 (Part 6)
5	NH ₃	µg/m ³	21.6	Max. 400	IS 5182 (Part-25)
6	Ozone	µg/m ³	19	Max. 100	IS 5182 (Part 9)
7	Arsenic	ng/m ³	<1	Max. 06	EPA/625/R-96/010a
8	Nickel	ng/m ³	<8.0	Max. 20	EPA/625/R-96/010a



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Idma Laboratories Limited



TC-8207

TEST REPORT

Lab No.		271224L-ED-056/A				Page No. 2/2
S.No.	Test Parameter	Units	Results	Specifications	Test Method	
9	Lead	µg/m ³	0.10	Max. 1.0	EPA/625/R-96/010a	

Represents details provided by the customer.

End of Report



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Idma Laboratories Limited

Idma Corporate Park,

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TEST REPORT

Lab No.	271224L-ED-056/B			Page No. 1/1
Customer#	Naraingarh Sugar Mills Limited P.O. Shahzadpur, Teh Naraingarh Distt. Ambala -134202 (Haryana) Haryana			
Type of Sample#	Ambient Air			
Customer's Description of Sample#	Ambient Air			
Quantity#	01 No.			
Packing, Markings#	Filter Paper Packed in Polythene Pouch.			
Mode of Collection of Sample	Sampling by Laboratories			
Work Order No.#	NSML/2023-24/97	Dated	27/12/2023	
Date of Receipt of Sample	27/12/2024			
Period of Analysis	27/12/2024 To 31/12/2024			
Sampling Team	Idma Representative Team	Client	Mr. Udesb Singh	
Sampling Location#	Colony Si8de Area			
Visual Observation	N/A			
Date of Sampling	25/12/2024			
Date of Reporting	31/12/2024			
Sampling Protocol	NAAQMS/36/2012-13 USEPA:2013			
Testing Protocol	NAAQS			

RESULTS



S.No.	Test Parameter	Units	Results	Specifications	Test Method
1	CO	mg/m ³	0.52	Max. 02	IS 5182 (Part 10)
2	Benzene	µg/m ³	2.05	Max. 05	IS 5182 (Part 11)
3	Benzo-a-Pyrene(BaP) - Particulate phase	ng/m ³	<0.9	Max. 01	IS 5182 (Part 12)

Represents details provided by the customer.

End of Report

Reviewed by


Dipti Jain
Asst. Tech. Manager

Authorised signatory


Kartar Singh
Tech. Mgr.

Idma Laboratories Limited

Idma Corporate Park,

391, industrial Area, Phase - 1,

Panchkula - 134113,

Haryana (India)

Tel No. 0172 - 5064827,- 5064830

Website : www.idmagroup.co.in

Email : commercial@idmalab.co.in

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Idma Laboratories Limited



TC-8207

TEST REPORT

ULR : TC82072570000055F

Lab No.	271224L-FD-023	Page No. 1/3
Customer#	Naraingarh Sugar Mills Limited P.O. Shahzadpur, Teh Naraingarh Distt. Ambala -134202 (Haryana) Haryana	
Type of Sample#	Ground Water	
Customer's Description of Sample#	Ground Water	
Quantity#	5 Ltr.	
Packing, Markings, Seal & Quantity#	Plastic Can, Location-Tube Well No. 1	
Mode of Collection of Sample	Sample Collected By Idma Lab Person	
Work Order No.#	NSML/2023-24/97	Dated 27/12/2024
Date of Receipt of Sample	27/12/2024	
Period of Analysis	27/12/2024 To 04/01/2025	
Visual Observation	N/A	
Date of Reporting	04/01/2025	
Testing Protocol	IS 10500:2012 Amdt 1 to 4	

RESULTS

S.No.	Test Parameter	Units	Results	Requirements		Test Methods
				Acceptable Limit (Max)	Permissible Limit (Max)	
	Chemical Testing (Water)	--	-	-	-	-
1	Color	Hazen	<1	Max. 5	Max. 15	IS 3025 (Part 4) : 2021
2	Odour	-	Agreeable	Agreeable	Agreeable	IS 3025 (Part 5) : 2018
3	pH	-	7.58	6.5-8.5	No Relaxation	IS 3025 (Part 11) : 2022
4	Total Alkalinity (as CaCO ₃)	mg/L	99.4	Max. 200	Max. 600	IS 3025 (Part 23) : 2023
5	Boron	mg/L	0.007	Max. 0.5	Max. 2.4	IS 3025 (Part 57) : 2021
6	Calcium (as Ca)	mg/L	46.6	Max. 75	Max. 200	IS 3025 (Part 40) : 1991
7	Chloride (as Cl)	mg/L	18.4	Max. 250	Max. 1000	IS 3025 (Part 32) : 1988
8	Cyanide (as CN)	mg/L	BLQ (LOQ-0.05)	Max. 0.05	No Relaxation	IS 3025 (Part 27) : 1986
9	Fluoride (as F)	mg/L	0.3	Max. 1	Max. 1.5	IS: 3025 (Part 60) : 2008
10	Total Hardness (as CaCO ₃)	mg/L	153.9	Max. 200	Max. 600	IS 3025 (Part 21) : 2009

Reviewed by



Authorised signatory



Idma Laboratories Limited

Idma Corporate Park,

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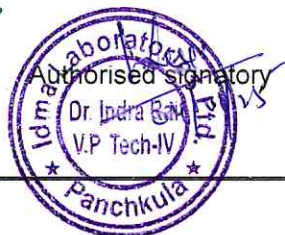


TEST REPORT

ULR : TC82072570000055F

Lab No.		271224L-FD-023				Page No. 2/3
S.No.	Test Parameter	Units	Results	Requirements		Test Methods
				Acceptable Limit (Max)	Permissible Limit (Max)	
11	Nitrate (as NO ₃)	mg/L	3.1	Max. 45	No Relaxation	IS 3025 (Part 34) :1988
12	Total Dissolved Solids	mg/L	224.0	Max. 500	Max. 2000	IS 3025 (Part 16) : 2023
13	Sulphate (as SO ₄)	mg/L	7.6	Max. 200	Max. 400	IS 3025 (Part 24) :1986
14	Turbidity	NTU	<1	Max. 1	Max. 5	IS 3025 (Part 10) : 2023
15	Taste	-	Agreeable	Agreeable	Agreeable	IS 3025 (Part 8) :2023
16	Ammonia (as total ammonia-N)	mg/L	BLQ (LOQ-0.5)	Max. 0.5	No Relaxation	IS 3025 (Part 34) :1988
17	Sulphide (as H ₂ S)	mg/L	BLQ (LOQ-0.01)	Max. 0.05	No Relaxation	IS 3025 (Part 29) : 2022
	METALS:	-	-	-	-	-
18	Cadmium (as Cd)	mg/L	BLQ (LOQ-0.0005)	Max. 0.003	No Relaxation	IS 3025 (Part 41) :2023
19	Copper (as Cu)	mg/L	BLQ (LOQ-0.0005)	Max. 0.05	Max. 1.5	IS 3025 (Part 42) : 1992
20	Iron (as Fe)	mg/L	0.001	Max. 1.0	No Relaxation	IS 3025 (Part 53) : 2003
21	Lead (as Pb)	mg/L	BLQ (LOQ-0.0005)	Max. 0.01	No Relaxation	IS 3025 (Part 47) : 1994
22	Nickel (as Ni)	mg/L	0.002	Max. 0.02	No Relaxation	IS 3025 (Part 54) : 2003
23	Zinc (as Zn)	mg/L	0.001	Max. 5	Max. 15	IS 3025 (Part 49) : 1994
24	Aluminum (as Al)	mg/L	BLQ (LOQ-0.0005)	Max. 0.03	Max. 0.2	IS 3025 (Part 55) : 2003
25	Barium (as Ba)	mg/L	0.021	Max. 0.7	No Relaxation	Annex F of IS :13428 / /2005 IS 3025 (Part 65) : 2022
26	Selenium (as Se)	mg/L	BLQ (LOQ-0.0005)	Max. 0.01	No Relaxation	IS 3025 (Part 56) : 2003 or IS:15303:2003
27	Silver (as Ag)	mg/L	BLQ (LOQ-0.0005)	Max. 0.1	No Relaxation	Annex J of IS: 13428 : 2005

Reviewed by



Idma Laboratories Limited

Idma Corporate Park,

391, industrial Area, Phase - 1,

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TEST REPORT

ULR : TC820725700000055F

Lab No.		271224L-FD-023				Page No. 3/3
S.No.	Test Parameter	Units	Results	Requirements		Test Methods
				Acceptable Limit (Max)	Permissible Limit (Max)	
28	Mercury (as Hg)	mg/L	BLQ (LOQ-0.0005)	Max. 0.001	No Relaxation	IS 3025 (Part 48) :1994
29	Molybdenum (Mo)	mg/L	BLQ (LOQ-0.0005)	Max. 0.07	No Relaxation	IS 3025 (Part 2) : 2019
30	Magnesium (as Mg)	mg/L	9.1	Max. 30	Max. 100	IS 3025 (Part 46) :2023
31	Total Arsenic (as As)	mg/L	BLQ (LOQ-0.0005)	Max. 0.01	No Relaxation	IS 3025 (Part 37) :2022
32	Total Chromium (as Cr)	mg/L	BLQ (LOQ-0.0005)	Max. 0.05	No Relaxation	IS 3025 (Part 52) : 2003
	Biological Testing (Water)	--	-	--	--	--
33	E. coli	/100ml	Absent	Shall not be detectable in any 100ml sample	--	IS 15185: 2016
34	Total Coliform Bacteria	/100ml	Absent	Shall not be detectable in any 100ml sample	--	IS 15185: 2016

Opinion :

Remarks: The Test report pertains to the sample, as collected by the IDMA lab person from the customer premises and the result related only to the tested sample. BLQ: Below Limit of quantification, LOQ: Limit of quantification.

Represents details provided by the customer.

End of Report



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Idma Laboratories Limited



TC-8207

TEST REPORT

ULR : TC82072570000056F

Lab No.	271224L-FD-024	Page No. 1/3
Customer#	Naraingarh Sugar Mills Limited P.O. Shahzadpur, Teh Naraingarh Distt. Ambala -134202 (Haryana) Haryana	
Type of Sample#	Ground Water	
Customer's Description of Sample#	Ground Water	
Quantity#	5 Ltr.	
Packing, Markings, Seal & Quantity#	Plastic Can, Location-Tube Well No. 2	
Mode of Collection of Sample	Sample Collected By Idma Lab Person	
Work Order No.#	NSML/2023-24/97	Dated 27/12/2024
Date of Receipt of Sample	27/12/2024	
Period of Analysis	27/12/2024 To 04/01/2025	
Visual Observation	N/A	
Date of Reporting	04/01/2025	
Testing Protocol	IS 10500:2012 Amdt 1 to 4	

RESULTS

S.No.	Test Parameter	Units	Results	Requirements		Test Methods
				Acceptable Limit (Max)	Permissible Limit (Max)	
	Chemical Testing (Water)	--	-	-	-	-
1	Color	Hazen	<1	Max. 5	Max. 15	IS 3025 (Part 4) : 2021
2	Odour	-	Agreeable	Agreeable	Agreeable	IS 3025 (Part 5) : 2018
3	pH	-	7.84	6.5-8.5	No Relaxation	IS 3025 (Part 11) : 2022
4	Total Alkalinity (as CaCO ₃)	mg/L	82.8	Max. 200	Max. 600	IS 3025 (Part 23) : 2023
5	Boron	mg/L	0.011	Max. 0.5	Max. 2.4	IS 3025 (Part 57) : 2021
6	Calcium (as Ca)	mg/L	135.2	Max. 75	Max. 200	IS 3025 (Part 40) : 1991
7	Chloride (as Cl)	mg/L	20.3	Max. 250	Max. 1000	IS 3025 (Part 32) : 1988
8	Cyanide (as CN)	mg/L	BLQ (LOQ-0.05)	Max. 0.05	No Relaxation	IS 3025 (Part 27) : 1986
9	Fluoride (as F)	mg/L	0.3	Max. 1	Max. 1.5	IS: 3025 (Part 60) : 2008
10	Total Hardness (as CaCO ₃)	mg/L	135.2	Max. 200	Max. 600	IS 3025 (Part 21) : 2009

Reviewed by

Authorised Signatory

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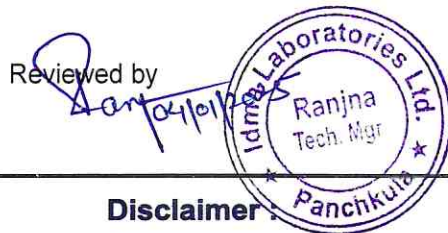


TEST REPORT

ULR : TC820725700000056F

Lab No.		271224L-FD-024				Page No. 2/3
S.No.	Test Parameter	Units	Results	Requirements		Test Methods
				Acceptable Limit (Max)	Permissible Limit (Max)	
11	Nitrate (as NO ₃)	mg/L	3.9	Max. 45	No Relaxation	IS 3025 (Part 34) :1988
12	Total Dissolved Solids	mg/L	208.0	Max. 500	Max. 2000	IS 3025 (Part 16) : 2023
13	Sulphate (as SO ₄)	mg/L	8.3	Max. 200	Max. 400	IS 3025 (Part 24) :1986
14	Turbidity	NTU	<1	Max. 1	Max. 5	IS 3025 (Part 10) : 2023
15	Taste	-	Agreeable	Agreeable	Agreeable	IS 3025 (Part 8) :2023
16	Ammonia (as total ammonia-N)	mg/L	BLQ (LOQ-0.5)	Max. 0.5	No Relaxation	IS 3025 (Part 34) :1988
17	Sulphide (as H ₂ S)	mg/L	BLQ (LOQ-0.01)	Max. 0.05	No Relaxation	IS 3025 (Part 29) : 2022
	METALS:	-	-	-	-	-
18	Cadmium (as Cd)	mg/L	BLQ (LOQ-0.0005)	Max. 0.003	No Relaxation	IS 3025 (Part 41) :2023
19	Copper (as Cu)	mg/L	BLQ (LOQ-0.0005)	Max. 0.05	Max. 1.5	IS 3025 (Part 42) : 1992
20	Iron (as Fe)	mg/L	0.002	Max. 1.0	No Relaxation	IS 3025 (Part 53) : 2003
21	Lead (as Pb)	mg/L	BLQ (LOQ-0.0005)	Max. 0.01	No Relaxation	IS 3025 (Part 47) : 1994
22	Nickel (as Ni)	mg/L	0.001	Max. 0.02	No Relaxation	IS 3025 (Part 54) : 2003
23	Zinc (as Zn)	mg/L	0.0018	Max. 5	Max. 15	IS 3025 (Part 49) : 1994
24	Aluminum (as Al)	mg/L	BLQ (LOQ-0.0005)	Max. 0.03	Max. 0.2	IS 3025 (Part 55) : 2003
25	Barium (as Ba)	mg/L	0.0021	Max. 0.7	No Relaxation	Annex F of IS :13428 / /2005 IS 3025 (Part 65) : 2022
26	Selenium (as Se)	mg/L	BLQ (LOQ-0.0005)	Max. 0.01	No Relaxation	IS 3025 (Part 56) : 2003 or IS:15303:2003
27	Silver (as Ag)	mg/L	BLQ (LOQ-0.0005)	Max. 0.1	No Relaxation	Annex J of IS: 13428 : 2005

Reviewed by



Authorised signatory



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Idma Laboratories Limited



TC-8207

TEST REPORT

ULR : TC820725700000056F

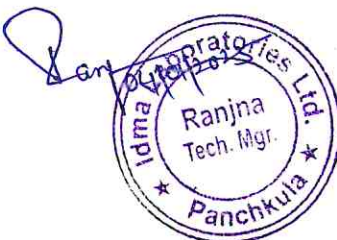
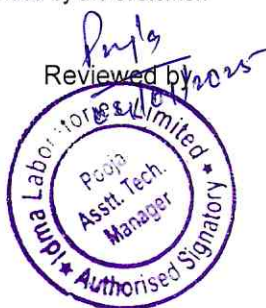
Lab No.		271224L-FD-024				Page No. 3/3
S.No.	Test Parameter	Units	Results	Requirements		Test Methods
				Acceptable Limit (Max)	Permissible Limit (Max)	
28	Mercury (as Hg)	mg/L	BLQ (LOQ-0.0005)	Max. 0.001	No Relaxation	IS 3025 (Part 48) :1994
29	Molybdenum (Mo)	mg/L	BLQ (LOQ-0.0005)	Max. 0.07	No Relaxation	IS 3025 (Part 2) : 2019
30	Magnesium (as Mg)	mg/L	10.6	Max. 30	Max. 100	IS 3025 (Part 46) :2023
31	Total Arsenic (as As)	mg/L	BLQ (LOQ-0.0005)	Max. 0.01	No Relaxation	IS 3025 (Part 37) :2022
32	Total Chromium (as Cr)	mg/L	BLQ (LOQ-0.0005)	Max. 0.05	No Relaxation	IS 3025 (Part 52) : 2003
	Biological Testing (Water)	--	-	--	--	--
33	E. coli	/100ml	Absent	Shall not be detectable in any 100ml sample	--	IS 15185: 2016
34	Total Coliform Bacteria	/100ml	Absent	Shall not be detectable in any 100ml sample	--	IS 15185: 2016

Opinion :

Remarks: The Test report pertains to the sample, as collected by the IDMA lab person from the customer premises and the result related only to the tested sample. BLQ: Below Limit of quantification, LOQ: Limit of quantification.

Represents details provided by the customer.

End of Report



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