SAEL
SUSTAINABLE & AFFORDABLE ENERGY FOR LIFE

Date: 01.05.2025

To

The Joint Director
Ministry of Environment, Forest & Climate Change
Northern, Regional Office, Bays No. 24-25
Sector-31-A, Chandigarh-160030

Sub: - Half Yearly Compliance Report (Period 01.10.2024 to 31.03.2025) of conditions of Environmental Clearance granted vide no. DECC/SEIAA/2019/962 dated 02.12.2019 for 18 MWH Biomass Thermal Power Plant– M/s SAEL Limited, (Formerly Sukhbir Agro Energy Limited), Moga Road, Village Hakumat Singh Wala, Distt. -Ferozepur, Punjab-142052.

Sir,

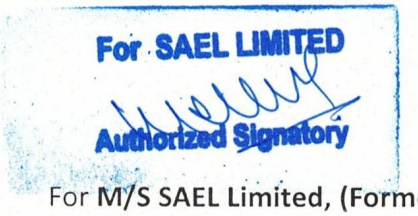
It is submitted that Environmental Clearance was granted to the industry vide no. DECC/SEIAA/2019/962 dated 02.12.2019.

We hereby, submit the half yearly Compliance Report of conditions of Environmental Clearance for the period w.e.f. **01.10.2024 to 31.03.2025** for your kind information & further necessary action please.

The receipt of the same may kindly be acknowledged.

Thanking You,

Yours Sincerely,



For **M/S SAEL Limited, (Formerly Sukhbir Agro Energy Limited).**

C.C. to the following for information & necessary action: -

1. The Secretary to Govt. of India, Ministry of Environment and Forest, Indira Paryavaran Bhavan, Jorbagh Road, New Delhi - 110 003, India.
2. The Member Secretary, State Level Environment Impact Assessment Authority, Punjab, Ministry of Environment, Forest & Climate Change, Govt. of India O/o Directorate of Environment & Climate Change C/o PSCST, MGSIPA Complex, Sector-26, Chandigarh-160019.

COMPLIANCE REPORT
OF
CONDITIONS IMPOSED
IN
ENVIRONMENTAL CLEARANCE

18 MWH Biomass Based Thermal Power Plant
(Granted Vide no. DECC/SEIAA/2019/962 dated 02.12.2019)

(w.e.f. 01.10.2024 to 31.03.2025)

SAEL
SUSTAINABLE & AFFORDABLE ENERGY FOR LIFE



SAEL LIMITED

(Formerly Sukhbir Agro Energy Limited)
Moga Road, Village Hakumat Singh Wala,
Distt. -Ferozepur-142052, Punjab

Prepared By:

Er. R.K. Gupta
Senior Environmental Engineer (Retd.)
CHARTERED ENGINEER
Punjab Pollution Control Board
Mob. 99147-67267, 98789-50510
E-mail: - gupta1958rk@gmail.com

R4 ENVIRO
ENVIRONMENTAL CONSULTANTS
#7, Sukh Enclave, New Officers Colony
Patiala (Punjab) – 147001
Mob: - 98145-39397, 01755 202 707
E-mail: - info@r4enviro.com

INDEX

Sr. No.	Particulars	Annexures
1.	Brief About the Industry & Salient Features of the Project	
2.	Compliance Report of EC Conditions w.e.f. 01.10.2024 to 31.03.2025	
3.	Permission for Withdrawal of Canal Water	**Annexure – I**
4.	Change of Land Use (CLU) of the industry	**Annexure – II**
5.	Analysis Report of Ambient Noise Level conducted by NABL Lab on dated 29.01.2025	**Annexure – III**
6.	Analysis Report of Surface Water conducted by NABL Lab on dated 30.01.2025	**Annexure – IV**
7.	Analysis Report of Waste Water conducted by NABL Lab on dated 30.01.2025	**Annexure – V**
6.	Photographs of Green Belt	**Annexure – VI**
7.	Environment Audit Report & Environmental Statement for F.Y. 2023-24	**Annexure – VII**
8.	Analysis Report of Stack Emissions & Ambient Air conducted by NABL Lab on dated 30.01.2025	**Annexure – VIII**
9.	Photographs of CSR Activities alongwith Expenditure	**Annexure – IX**

Brief About the Industry &
Salient Features of the Project

(01.10.2024 to 31.03.2025)

1.	**Project Type**	**Biomass Power Plant**
2.	**Name of the Project**	**SAEL Limited** (Formerly Sukhbir Agro Energy Limited) Moga Road, Village Hakumat Singh Wala, Distt. -Ferozepur-142052, Punjab
3.	**Clearance letter (s)/OM no. and date**	SEIAA/PB/THE/30702/2019
4.	**Location:**	
	a) District	Ferozepur
	b) State	Punjab
	c) Location: Lat/Long	$30^0$51'45.46" N / $74^0$49'41.41" E
5.	**Address for correspondence**	Sukhbir Agro Energy Ltd. A-4, Main Green Park, New Delhi - 110016 Email: info@sael.co
6.	**Salient Features**	
a)	**Of the Project**	The projects are 18 MWH biomass (100% agro – waste/residue-paddy straw) based thermal Power plant

b)	**Of the Environment Management Plans**	• Adequate arrangement for air pollution mitigation and control (From material haulage, on site material handling, combustion emission. • Adequate arrangement for noise control Suitable planning for water management and conservation (including Storm water management). Adequate arrangement for waste water treatment and disposal. • Adequate Arrangement for management and disposal of Solid wastes and hazardous wastes. • Occupational health and safety system has been suitably planned and implemented. • On site/of site disaster and emergency response management has been suitably planned and implemented Adequate green belt has been developed.
7.	**Break-up of Project area**	Total Area=171708.12 Sq.m. Build-up Land =19950 Sq.m. Road Development =15000 Sq.m Green Belt =56700 Sq.m. Biomass Storage=50500 Sq.n. Open Areas=29558.12 Sq.m.
	a) Submergence forest area and non-forest area	Not Applicable
	b) Others	N.A.
8.	**Break-up of the project affected population with enumeration of those losing houses/dwelling units only agricultural land only both dwelling units & agricultural land & landless labourers /artisans:**	
	a) SC/ST/Adivasis	Not Applicable

	b) Others (Please indicate whether these figures are based on any scientific and systematic survey carried out or only provisional figures. If a survey has been carried out give details and year of survey.	
9.	Financial Details: **a) Project Cost as originally planned and subsequent revised estimates and the year of price reference**	Planned cost of project =144.66 crore Actual cost of project =159.32 crore
	b) Allocations made for environmental management with item wise and year of assessment	Capital cost =125 lacs Recurring cost=60 lacs/annum
	c) Benefit cost ratio/Internal rate of return and year of assessment	9.25%
	d) Whether (c) includes the cost of environmental management as shown in (b) above.	Yes
	e) Actual expenditure incurred on project so far.	159.32 Crores
	f) Actual expenditure incurred on EMP so far.	Consultant
10.	**Forest Land Requirement:**	N.A.
	a) The status of approval for diversion of forest land for non-forestry use.	N.A.

	b) The status of clearing felling, if any	Nil
	c) The Status of compensatory afforestation, if any	Nil
	d) Comments on the viability & sustainability of CA program in the light of actual field experience so far	Nil
11.	**The status of clear felling in the non-forest areas Such as submerge areas of reservoir, approach road) if any, with quantitative information.**	Nil
12.	**Status of Construction**	
	a) Date of commencement (actual and/or planned)	March, 2019
	b) Date of completion (actual and/or planned)	December, 2019
13.	**Reason for delay if the project is yet to start**	N.A.

Half Yearly Compliance Report of the conditions of Environmental Clearance under EIA notification dated 14.09.2006 granted vide no. DECC/SEIAA/2019/962 dated 02.12.2019 for 18 MWH Biomass Based Thermal Power Plant M/s SAEL Limited, (Formerly Sukhbir Agro Energy Limited) Moga Road, Village Hakumat Singh Wala, Distt. -Ferozepur-142052, Punjab (Period 01.10.2024 to 31.03.2025).

EC Conditions:

I.	Statutory Compliance:	
Sr. No.	**Condition**	**Action Taken / Compliance**
1.	**SPECIAL CONDITION**	
i.	In case, MOEF & CC make it mandatory for thermal plant to provide electrostatic precipitator as air pollution control device or in event of failure to achieve the prescribed emission standards with the proposed Bag Filter House Technology, the project proponent shall replace the bag house filters with electrostatic precipitator or better technology (if any prescribed by the MOEF & CC), with a period of six months as undertaken by it.	The industry installed bag filters as APCD. In the initial stage, the APCD were working efficiently. After some period, the bag filters started choking/burning. The industry took decision to replace the bag filters with better technology i.e. Electrostatic precipitator (ESP). So, the industry replaced the bag filters with ESP as APCD during May, 2023.
A.	**STATUTORY COMPLIANCE**	
i.	Emission standard for the thermal plant as per -2 2015 G S R S 93 (E) dated 28-06-2018 and as amended from time to time shall be complied.	The industry is complying with the emissions standards.

ii.	MoEF&CC notification G.S.R. 02 (E) dated 2.1 2014 as amended time to time regarding use of raw or blended or beneficiated/washed coal with ash content not exceeding 34% shall be complied with, as applicable.	The industry is based on agro fuel, in which paddy straw is being used as fuel and no coal is used, hence, not applicable.
iii.	MoEF&CC notification on fly ash utilization S. O. 763(E) dated 14.09.1999, S. O. 979(E) dated 27.08.2003, S.O. 2804(E) 3.11.2009, S.O. 254(E) dated 25.01.2016 as amended from time to time shall be complied.	Since, the plant is not based on coal as fuel, hence, not applicable. However, the ash is being disposed off in an environmentally sound manner, for land filling and covering the same with good earth.
iv.	The recommendation from standing committee of NBWL under the Wildlife Protection Act, 1972 should be obtained, if applicable.	Not applicable, as the project is not located near to forest area.
v.	No Objection Certificate from Ministry of Civil Aviation be obtained for installation of requisite chimney height and its siting criteria for height clearance.	Not Applicable.
vi.	Ground Water shall not be drawn during construction of the project. In case, ground Water is drawn during construction, necessary permission be obtained from CGWA.	The industry is not using ground water. The canal water is being used since the establishment of the industry. Hence, no permission from CGWA/ PWRDA is required. The copy of permission for canal water supply obtained by the industry from Competent Authority is enclosed as per ***Annexure – I.***

vii.	The project site shall confirm to the suitability as prescribed under the previous laid down under the master plan of respective city/town. For that, the project proponent shall either to submit the NOC/land use conformity certificate from depth of Town and country. Planning or other concerned authority under whom jurisdiction, the site falls.	The project has been established after change of land use. The industry has obtained CLU from Competent Authority. The copy of which is enclosed as per ***Annexure – II.***
viii.	Besides above, the project proponent shall also comply with siting criteria/guidelines, standard operating practices, code of practice and guidelines if any prescribed by the SPCB/CPCB/MoEF&CC for such type of projects.	Not applicable, as no siting criteria has been laid for such type of industries. However, the project meets with other guidelines laid down by PPCB.
B	**ASH CONTENT/MODE OF TRANSPORTATION OF BIOMASS:**	
i.	EC is given on the basis of assumption of 15% of ash content and 50 km radial distance of transportation in rail/road/conveyor/any other mode. Any increase of % ash content by more than 1 %, and/or any change in transportation mode or increase in transport distance (except for rail) require application for modifications of EC conditions after conducting the 'incremental impact assessment' and proposal for mitigation measures.	The ash content from the fuel is less than 15%. It remains near to 14%.
C.	**AIR QUALITY MONITORING AND MANAGEMENT:**	
i.	Flue Gas desulphurization system shall be installed based on Lime/Ammonia dosing to capture sulphur in the flue gases to meet the SO_2 emissions standard of 100 mg/Nm3, if required.	Not applicable, as the industry is not using coal as fuel.

ii.	Selective Catalytic Reduction (SCR) system or the Selective Non-Catalytic Reduction (SNCR) system or NOx burners with Over Fire Air (OFA) system shall be installed to achieve NOx emission standard of 100 mg/Nm^3, if required	The industry is using paddy straw as fuel. The Nox level always remain less than 100 mg/ Nm^3.
iii.	High efficiency bag filter shall be installed in each unit to ensure that particulate matter (PM) emission to meet the stipulated standards of 30 mg/Nm^3	The industry installed bag filters as APCD and afterwards replaced the same with ESP during May, 2023.
iv.	Stacks of prescribed height of 70 m shall be provided with continuous online monitoring instruments for SOx, NOx and particulate matter as per extant rules.	Adequate stack height of 70.75 meter has been provided by the industry.
v.	Exit velocity of flue gases shall not be less than 20-25 m/s. Mercury emissions from stack shall also be monitored periodically.	Not applicable, as coal is not used as fuel.
vi.	Continuous Ambient Air Quality Monitoring system shall be set up to monitored periodically. common/criteria pollutants from the flue gases such as PM-10, PM2.5, SO2, NOx within the plant area at least at one location. The monitoring of other locations (at least three locations outside the plant area covering upwind and downwind directions at an angle of 120° each) shall be carried out manually.	The Ambient Air Quality Monitoring is got conducted by the industry periodically.
vii.	Adequate dust extraction/suppression system shall be installed in raw material handling, ash handling areas and material transfer points to control fugitive emissions.	The ash is handled and disposed off in wet form and hence, no fugitive emissions are generated.

viii.	Appropriate Air Pollution Control measures (DE/DSs) be provided at all the dust generating sources including sufficient water sprinkling arrangements at various locations viz., roads, excavation sites, crusher plants, transfer points, loading and unloading areas, etc.	Adequate measures have already been taken by the industry. No dust pollution is generated inside or outside the industry.
D.	**NOISE POLLUTION AND ITS CONTROL MEASURES:**	
i.	The Ambient Noise levels shall meet the standards prescribed as per the Noise pollution (Regulation and control) rules, 2000.	The noise levels always remain within prescribed limits. The copies of analysis reports are enclosed as per ***Annexure – III.***
ii.	Person exposed to high noise generating equipment shall use Personal Protective Equipment (PPE) like earplugs/ear muffs, etc.	The workers have been provided with PPE kits i.e. gum shoes, gloves, waist jackets, goggles and ear plugs etc.
iii.	Periodical medical examination on hearing loss shall be carried out for all the workers and maintain audiometric record and for treatment of any hearing loss including rotating to non-noisy/less noisy areas.	Periodical medical examination of the workers is got conducted by the industry.
E.	**HUMAN HEALTH ENVIRONMENT:**	
i.	Bi-annual health check-up of all the workers is to be conducted. The study shall take into account of chronic exposure to noise which may lead to adverse effects like increase in heart rate and blood pressure, hypertension and peripheral vasoconstriction and thus increased peripheral vascular resistance. Similarly, the study shall also assess the health impacts due to air polluting agents.	Health check-up of all the workers is conducted by the industry at least twice a year.

ii.	Baseline health status within study area shall be assessed and report be prepared. Mitigation measures should be taken to address the endemic diseases.	Suitable measures have been taken regarding the health of the workers.
iii.	Impact of operation of power plant on agricultural crops, large water bodies (as applicable) once in two years by engaging an institute of repute. The study shall also include impact due to heavy metals associated with emission from power plant.	No complaints have been received from the nearby farmers or any other source since the establishment of the industry.
iv.	Sewage Treatment plant shall be provided for domestic waste water.	Sewage Treatment Plant (STP) of capacity 50 KLD has been provided by the industry for treatment of domestic effluent.
F.	**WATER QUALITY MONITORING AND MANAGEMENT:**	
i.	Induced/natural draft closed cycle wet cooling system including cooling towers shall be setup with minimum cycles of concentration (COC) of 5.0 or above for power plants using fresh water to achieve specific water consumption of 2.5 m3/MW hr (or) Induced/Natural draft open cycle cooling system shall be set up with minimum cycles of concentration (COC) of 1.5 or above for power plants using sea water.	Already implemented. The cycle of concentration (COC) is being maintained by the industry more than 5.0.
ii.	Records pertaining to measurements of daily water withdrawal and river flows (obtained from irrigation department/water resources department) immediately upstream and downstream of withdrawal site shall be maintained.	The records of the canal water supply are being maintained on daily basis.

iii.	Rainwater harvesting in and around the plant area be taken up to reduce drawl of fresh water. If possible, recharge of groundwater to be taken to improve the ground water table in the area.	There is no withdrawal of underground water. The canal water is used in the process. The roof top rain water is also taken into the water reservoir, so as, to reduce the drawl of canal water supply.
iv.	Regular (at least once in six months) monitoring of groundwater quality in and around the ash pond area including presence of heavy metals (Hg, Cr, As, Pb, etc.) shall be carried out as per CPCB guidelines. Surface water quality monitoring shall be undertaken for major surface water bodies as per the EMP. The data so obtained should be compared with the baseline data so as to ensure that the groundwater and surface water quality is not adversely impacted due to the project & and its activities.	Not applicable, as there is no ash pond area. However, surface water monitoring is being conducted. The analysis report of surface water is enclosed herewith as per ***Annexure – IV.***
v.	The treated effluents emanating from the different processes such as DM plant, boiler blow down, ash pond/dyke, sewage etc. conforming to the prescribed standards shall be re-circulated and reused. Sludge/rejects will be disposed in accordance with the hazardous waste management rules.	The reject from D.M. plant is used for plantation after pH correction. The domestic effluent is also used for plantation after treatment in STP. The boiler blow down etc is taken into the reservoir.
vi.	Hot water dispensed from the condenser should be adequately cooled to ensure the temperature of the released surface water is not more than 5 degrees Celsius above the temperature of the intake water.	It is being ensured. No water is discharged into any water body.

vii.	Based on the commitment made by the project proponent, Sewage treatment plants within the radius of 50 km proposed project, the treated sewage shall be used as an alternative to the fresh water source to minimize the fresh water drawl from surface water bodies.	The treated water from STP is utilized for plantation, so as, to reduce the uses of fresh water for plantation.
viii.	Wastewater generation of from various sources (viz. cooling tower blowdown, boiler blow down) shall be used for ash quenching purposes within the premises.	The waste water i.e. from cooling tower blow down and boiler blow down is taken back into the water reservoir.
ix.	Sewage will be treated by setting up sewerage treatment plant of adequate capacity to maintain the treated sewage characteristics of pH:6.5-9.0; Bio-Chemical Oxygen Demand:30 mg/l; Total Suspended Solids: Coliforms (Most Probable Number): <1000 per 100 ml.	STP has already been installed and the treated effluent is meeting the norms prescribed by the PPCB. The copy of analysis reports of treated domestic effluent is enclosed as per ***Annexure – V.***
x.	During Construction phase, the project proponent shall ensure that the waste water being generated from the labour quarters/toilets shall be treated and disposed in environment friendly manner. The project proponent shall also exercise the option of modular bio-toilets or will provide proper and adequately design septic tanks for the treatment of such waste water and treated effluents shall be utilized for green area/plantation.	The project is now in the commissioning stage for the last more than 5 years.

G.	**RISK MITIGATION AND DISASTER MITIGATION AND DISASTER MANAGEMENT:**	
i.	Adequate safety measures and environmental safeguards shall be provided in the plant area to control spontaneous fires in coal yard, especially during dry and humid season.	No coal is used in the industry. However, in the fuel yard and in other places, adequate measures have been taken like fire hydrants, mobile water tankers etc.
ii.	Storage facility for auxiliary liquid fuel such as LDO and HFO/LSHS shall be made as per the extant rules in the plant area in accordance with the directives of petroleum & explosives safety organization (PESO). Sulphur content in the liquid fuel should not exceed 0.5%.	No liquid fuel is used such as LDO/HFO/LSHS. Only HSD is used in the D.G. set which is stored in adequate manner.
iii.	Ergonomic working conditions with first aid and sanitation arrangements shall be made for the drivers and other contract workers during construction phase.	The project is now in the commissioning stage for the last more than 5 years.
iv.	Safety management plan based on risk assessment shall be prepared to limit the risk exposure to the workers within the plant boundary.	Safety management plan has already been prepared and adequate measures have already been taken for the safety of the workers.
v.	Regular mock drills for on-site emergency management plan and integrated Emergency Response system shall be developed for all kind of possible disaster situations.	Onsite emergency plan has already been prepared by the industry. The mock drills are conducted periodically.

H.	GREEN BELT AND BIODIVERSITY CONSERVATION:	
i.	Green belt shall be developed in an area of 335 of the total project with indigenous native tree species in accordance with CPCB guidelines/SEIAA guidelines. The green belt shall inter-alia cover an entire periphery of the plant.	Sufficient green belt has been provided by the industry inside the industrial plant. The photographs are as per ***Annexure – VI.*** The industry has also made agreements with nearby Panchayat/Schools etc. for carrying out more plantation.
ii.	In-situ/ex-situ Conservation Plan for the conservation of flora and fauna should be prepared and implemented.	The industry is not discharging any type of effluent outside the industry. As such, there is no impact on In-situ/ex-situ flora and fauna.
I.	**WASTE MANAGEMENT:**	
i.	Solid waste management should be planned in accordance with extant solid waste management rules, 2016.	Solid waste is disposed off in an environmentally sound manner.
ii.	Toxicity Characteristic Leachate procedure (TCLP) test shall be conducted for any substance, potential of leaching heavy metals into the surrounding areas as well as into the groundwater.	There is no ash dykes, as such, not applicable.
iii.	Ash pond shall be lined with impervious liner as per the soil conditions. The project proponent shall store as in the silos. From silos, the ash will be transported to the brick kilns/paver block industries by trucks. The project proponent will ensure that the frequency of trucks is adequate vis-a-vis the storage capacity of the silos.	Not applicable, as there are no ash ponds.

iv.	Fly ash shall be collected in dry form and ash generated shall be used in phased manner as per provisions of the notification on fly ash utilization issued by the Ministry and amendment thereto. By the end of the 4th year, 100 % fly ash utilization should be ensured. Unutilized ash should be disposed off in the ash pond in the form of high concentration slurry. Mercury and heavy metals (As, Hg, cr, Pb etc.) will be monitored in the bottom ash also in the effluents emanating from the existing ash pond. Fly ash utilization details shall be submitted to concern regional office along with the six-monthly compliance reports and utilization data shall be published on company's website.	Since, the industry is not using coal as fuel, as such, no fly ash is generated. The ash generated is disposed off in an environmentally sound manner.
v.	Unutilized ash shall be disposed-off in the ash pond in the form of high concentration slurry/medium concentration Slurry/Lean Concentration slurry method. Ash water recycling system shall be set up to recover supernatant water.	Not applicable, as there are no ash ponds, as no coal is used as fuel.
J.	**MONITORING OF COMPLIANCE**	
i.	Environmental Audit of the project be taken up the third party for preparation of Environmental Statement as per Form-V & Conditions stipulated in the EC and report be submitted to the ministry.	The Environment Audit is conducted by the Chartered Engineer. The Environment Audit Report F.Y. 2023-24 is enclosed herewith as per ***Annexure – VII.***
ii.	Resettlement & Rehabilitation plan per the extant rules of Govt. of India and respective State Govt. shall be followed, if applicable.	Not Applicable.

iii.	Energy Conservation Plan to be implemented as envisaged in the EIA/ EMP report. Renewable Energy Purchase obligation as set by Mop / State Government shall be met either by establishing renewable energy power plant (such as solar, wind, etc.) or by purchasing Renewable Energy Certificates.	The industry is a power plant, which generate the electricity hence, not applicable.
iv.	Monitoring of Carbon emission from the existing power plants as well as for the proposed power project shall be carried out annually from a reputed institute and report be submitted to Ministry's Regional office.	Monitoring is got conducted by the industry from NABL approved lab periodically.
v.	Energy and water Audit shall be conducted at least once in two years and recommendations arising out of the Report should be followed. A report in the regards shall be submitted to ministry's Regional office.	Water Audit also conducted which has been reflected in the Environmental Audit report.
vi.	Environment Cell (EC) shall be constituted by taking members from different division, headed by qualified person on the subject, who shall be reporting directly to the head of the project.	Environment Cell has already been constituted.
vii.	The project proponent shall (Post-EC Monitoring)'	
I)	Send a copy of environmental clearance letter to the head of Local Bodies, Panchayat, Municipal bodies and relevant officers of the Government.	The industry has already sent. The Environmental Clearance (EC) letter to the Concerned Authority.
II)	Upload the clearance letter on the web site of the company as a part or information to the general public.	Already uploaded on website of the industry.

III)	Inform the public through advertisement within seven days from the date of issue of the clearance letter , at least in two local newspaper that are widely circulated in the region of which one shall be in the vernacular language that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SCBP and may also be seen at website the ministry of Environment, Forest and Climate Change (MoEF&CC) at http://parviesh.nic.in.	Already informed the surrounding public after getting Environmental Clearance (EC).
IV)	Upload the status of compliance of the stipulated environment clearance condition, including result of monitored data on their website and update the same periodically;	Complying with. The industry is uploading the status of compliance of the Environment Clearance (EC) conditions on the website of the industry.
V)	Monitor the criteria pollutants level namely; PM (PM-10&PM-2.5 in case of ambient AAQ), SO2, NOx (ambient levels as well as stack emission) or critical sectoral parameters, indicated for the project and display the same at a convenient location for discloser to the public and put on the website of the company;	Monitoring is being conducted periodically. The analysis reports of stack emissions and ambient air are enclosed as per ***Annexure – VIII.***
VI)	Submit six monthly reports on the status of the compliance of the stipulated environmental condition including result monitored data (both in hard copies as well as by e-mail) to the Regional office of MoEF&CC, the respective Zonal office of CPCB and the SPCB;	Submitting the six-monthly compliance reports regularly.
VII)	Submit the environmental statement for each financial year in Form V to the concerned State Pollution Control Board as prescribed under the Environment (protection) Rules, 1986, as amended subsequently and put on the website of the company;	Submitting the Environment Audit Report & Environmental Statement regularly to be Competent Authority.

VIII)	Inform the Regional office as well as the Ministry, data of financial closure and final approval of the project and the data of commencement of the land development work.	Already complied with.
K.	**CORPORATE ENVIRONMENTAL RESPONSIBILITY (CER) ACTIVITIES;**	
1.	CER activities will be carried out as per OM No. 22-65/2017-IA-II dated 01.05.2018 or as proposed by the PP in reference to Public Hearing or as earmarked in the EIA/EMP report along with the detailed scheduled of implementation with appropriate budgeting.	The industry is undertaking activities under CER annually. The activities under taken during the F.Y. 2024-25 are as per ***Annexure – IX.***
XI.	**VALIDITY**	
i.	This environmental clearance will be valid for a period of seven years from the data of its issue for till the completion of the project, whichever is earlier.	O.K. Agreed and Noted Please.
XII.	**MISCELLANEOUS**	
i.	The project authorities must strictly adhere to the stipulation made by the State Pollution Control board and the State Government.	Complying with the stipulation made by the Punjab Pollution Control Board (PPCB).
ii.	The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during public Hearing and also that during their presentation to the Expert Appraisal Committee.	Complying with all the commitments & recommendations.

iii.	No further expansion or modification in the plant shall be carried out without prior approval of the ministry of Environmental, Forests and climate change (MoEF&CC).	O.K. noted please. No expansion is carried out beyond 18 MWH.
iv.	Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance, and attract action under the provision of Environment (Protection) Act,1986.	O.K. Agreed & Noted Please.
v.	The SEIAA may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	O.K. Agreed & Noted Please.
vi.	The SEIAA reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.	O.K. Agreed & Noted Please.
vii.	The Regional office of this ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full corporation to the officer (s) of the Regional office by Famishing the requisite data/information/monitoring reports.	O.K. Agreed & Noted Please.
viii.	The above conditions shall be enforced, inter-alia under the provision of the Water (Prevention & Control of Pollution) Act, 1974, the Air (prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Trans boundary Movement) Rules, 2016 and the public Liability Insurance Act,1991 along with their	O.K. Agreed & Noted Please.

	amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India /High Courts and any other court of law relating to the subject matter.	
ix.	Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of national Green Tribunal Act, 2010.	O.K. Agreed & Noted Please.

Annexure - I

ਨੰਬਰ 1229 /111-ਆਰ

ਸੁਪਰਡੈਂਟ/ਇੰਜੀ./R.C./P.C.
ਮੰਡਲ ਲੇਖਾ ਅਫਸਰ/HRC
DHD

ਮਿਤੀ 19/05/2021

ਸੇਵਾ ਵਿਖੇ,

ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ,
ਹੁਸੈਨੀਵਾਲਾ ਨਹਿਰੀ ਮੰਡਲ,
ਫਿਰੋਜਪੁਰ ।

ਐਕਸ. ਈਐਨ.

ਵਿਸ਼ਾ:- ਸੁਖਬੀਰ ਐਗਰੋ ਐਨਰਜੀ ਲਿਮ: ਲਈ ਸਰਹੰਦ ਫੀਡਰ ਨਹਿਰ ਦੀ ਬੁਰਜੀ 62009-ਐਲ ਤੇ ਲੱਗੇ ਮੋਘੇ ਦਾ ਡਿਸਚਾਰਜ 3.0 ਕਿਊਸਿਕ ਤੋਂ ਘਟਾਕੇ 1.0 ਕਿਊਸਿਕ ਕਰਨ ਸਬੰਧੀ ਅਤੇ ਪਾਣੀ ਦੇ ਪੈਂਡਿੰਗ ਬਿੱਲਾਂ ਦੀ ਅਦਾਇਗੀ ਕਰਨ ਸਬੰਧੀ ਪਿੰਡ ਹਕੂਮਤ ਸਿੰਘ ਵਾਲਾ, ਤਹਿਸੀਲ ਤੇ ਜਿਲ੍ਹਾ ਫਿਰੋਜ਼ਪੁਰ ।

ਹਵਾਲਾ:- ਆਪ ਜੀ ਦਾ ਪੱਤਰ ਨੰਬਰ 162/21-ਐਚ ਮਿਤੀ 19-05-2021 .

ਉਪਰੋਕਤ ਵਿਸੇ ਤੇ ਹਵਾਲੇ ਸਬੰਧੀ ਆਪ ਵਲੋਂ ਕੀਤੀ ਗਈ ਸ਼ਿਫਾਰਸ਼ ਅਨੁਸਾਰ ਸੁਖਬੀਰ ਐਗਰੋ ਐਨਰਜੀ ਲਿਮ: ਪਿੰਡ ਹਕੂਮਤ ਸਿੰਘ ਵਾਲਾ, ਤਹਿਸੀਲ ਤੇ ਜਿਲ੍ਹਾ ਫਿਰੋਜ਼ਪੁਰ ਲਈ ਸਰਹੰਦ ਫੀਡਰ ਨਹਿਰ ਦੀ ਬੁਰਜੀ 62009-ਐਲ ਤੇ ਲੱਗ ਮਘ ਦਾ ਡਿਸਚਾਰਜ 3.0 ਕਿਊਸਿਕ ਤੋਂ ਘਟਾਕੇ 1.0 ਕਿਊਸਿਕ ਬਲਕ ਸਪਲਾਈ ਦੀ ਮੰਨਜੂਰੀ ਹੇਠ ਲਿਖੀਆਂ ਸ਼ਰਤਾਂ ਦੇ ਅਧਾਰ ਤੇ ਦਿੱਤੀ ਜਾਂਦੀ ਹੈ :-

1) ਪਾਣੀ ਦੀ ਕੀਮਤ ਕੰਪਨੀ ਵੱਲੋਂ ਸਾਲ 2019-20 ਅਤੇ 2020-21 ਦੇ ਪੈਂਡਿੰਗ ਬਿੱਲਾਂ ਦੀ ਬਕਾਇਆ ਰਕਮ ਦਿੱਤੇ ਗਏ Indemnity Bond ਮੁਤਾਬਕ 10 ਕਿਸ਼ਤਾਂ ਵਿੱਚ ਮਹੀਨਾ ਮਈ-2021 ਤੋਂ ਫਰਵਰੀ-2022 ਦੌਰਾਨ ਜਮਾਂ ਕਰਵਾਉਣੀ ਪਵੇਗੀ।
2) ਪਾਣੀ ਦੀ ਕੀਮਤ ਵਾਧਾ ਹੋਣ ਤੇ ਉਸ ਵਾਧੇ ਦੀ ਦਰ ਨਾਲ ਰਕਮ ਜਮਾਂ ਕਰਵਾਉਣੀ ਪਵੇਗੀ।
3) ਜੇਕਰ ਪਾਣੀ ਮਿੱਥੇ ਗਏ ਮੰਤਵ ਤੋਂ ਇਲਾਵਾ ਕਿਸੇ ਹੋਰ ਮੰਤਵ ਲਈ ਵਰਤਿਆ ਗਿਆ ਤਾਂ ਉਸ ਹਾਲਤ ਵਿੱਚ ਪਾਣੀ ਦੀ ਸਪਲਾਈ ਬੰਦ ਕਰ ਦਿੱਤੀ ਜਾਵੇਗੀ।
4) ਕਿਸੇ ਕਾਰਣ ਪਾਣੀ ਦੀ ਸਪਲਾਈ ਬੰਦ ਹੋਣ ਦੀ ਸੂਰਤ ਵਿੱਚ ਸਿੰਚਾਈ ਵਿਭਾਗ ਕਿਸੇ ਨੁਕਸਾਨ/ਮੁਆਵਜਾ ਆਦਿ ਦੇਣ ਲਈ ਜਿੰਮੇਵਾਰ ਨਹੀਂ ਹੋਵੇਗਾ।
5) ਸਬੰਧਤ ਫਰਮ/ ਸੰਸਥਾ ਜੇਕਰ ਪੈਸੇ ਜਮਾਂ ਕਰਾਉਣ ਤੋਂ ਬਾਦ ਪਾਣੀ ਦੀ ਸਪਲਾਈ ਕਿਸੇ ਕਾਰਣ ਨਹੀਂ ਲੈਦਾ ਹੈ ਤਾਂ ਜਮਾਂ ਕਰਵਾਈ ਗਈ ਰਕਮ ਵਾਪਿਸ/ ਅਡਜਸਟ ਨਹੀਂ ਕੀਤੀ ਜਾਵੇਗੀ।

ਨਿਗਰਾਨ ਇੰਜੀਨੀਅਰ,
ਫਿਰੋਜਪੁਰ ਕੈਨਾਲ ਸਰਕਲ,
ਫਿਰੋਜਪੁਰ।
19/5/21

Scanned with CamScanner

DEPARTMENT OF TOWN & COUNTRYPLANNING, PUNJAB
Puda Bhawan, Block 'A' 6th Floor, Sector 62, SAS NAGAR.

To

M/s Sukhbir Agro Energy Ltd.
Village Hakumat Singh Wala
Tehsil & Distt. Ferozepur.

Memo No. 107 CTP(Pb) SP-432(FZR)
Dated: 8-1-2019.

Subject: Permission for Change of land use for Industrial purpose for Biomas Power Project by M/s Sukhbir Agro Energy Ltd. at Vill Hakumat Singh Wala, Tehsil & Distt. Ferozepur. (Area 40.2375 Acre)

Reference: Your request dated Nil.

2. Your request for change of land use for an area measuring 40.2375 acre falling at Vill Hakumat Singh Wala, Tehsil & Distt. Ferozepur for Industrial purpose (Biomas Power Project) has been considered at Government level. The permission for change of land use is hereby granted on the following terms and conditions. The detail of land as verified by Tehsildar Ferozepur is as under:-

Sr.No.	Khasra No. and area	Area for CLU Permission.
2.	As per Annexure -'A'	Permission granted for CLU 40.2375 acre(Although 0.043 acres area falls under Road widening out of Total 40.2375 acre)

i. Change of landuse shall be in the hands of M/s Sukhbir Agro Energy Ltd
ii. Applicant shall deposit CLU/EDC/License/permission Fee and all other charges levied or to be levied by the Housing and Urban Development Department from time to time.
iii. Layout /Building Plan of the project shall be got approved from the Competent Authority before undertaking any development on site.
iv. The issue of ownership of land is independent and exclusive of permission of Change of Land Use. Therefore, this permission of CLU does not in any manner grant or effect ownership right of this land, which have to be determined by grant or effect ownership right of this land which have to be determined by Competent Authority.
v. The Applicant shall be responsible for any litigation, if any, regarding land in any court of law.
vi. Thorough revenue rastas / khals and pucca roads if any, passing through the site shall be unobstructed.
vii. The Applicant shall obtain approval/NOC from Competent Authority to fulfill the requirement of notification dated 14.09.2006 of Ministry of Environment and Forest, Government of India before starting the development works of the colony.
viii. Applicant shall obtain NOC from PPCB under the Water (Prevention and Control of Pollution) Act, 1974, Municipal Solid Waste Management and Handling Rules, 2008 or any other relevant act before undertaking the development at the site.
ix. The applicant shall ensure the minimum distance from the nearby residential area, if any, as prescribed by PPCB, Deptt. of Environment or other Competent Authority in this regard and as per Notification dt. 25.7.2008 of the Deptt.of Science, Technology & Environment, Punjab
x. Applicant shall not make any construction under H.T. electric lines passing through the colony or shall get these lines shifted by applying to the concerned authority.
xi. This permission will not provide any immunity from any other Act/Rules/Regulations applicable to the land in question.
xii. Applicant shall obtain permission from the Forest Deptt. Government of India under Forest Act 1980 before undertaking development at the site.

Scanned with CamScanner

xiii. Applicant shall make necessary arrangements for fire fighting as per NOC granted by the Competent Authority.

xiv. Applicant shall make provision for the disposal of rain/storm water the project area at its own cost and shall not obstruct the flow of rain/storm water of the surrounding area and shall obtain the NOC from the Drainage/ Irrigation Deptt. regarding drain/choe passing through the site.

xv. Applicant shall make provision of rain water harvesting within the project area at its own cost.

xvi. Applicant shall leave 8'-6" wide strip of land to widen the existing 33'-0" wide approach road to 50' -0" as per undertaking submitted.

xvii. Applicant would make its own suitable provision for drinking water supply and disposal of sewage & solid waste management.

xviii. Applicant shall obtain any other permission required under any other Act at his own level.

xix. Applicant would start development works only after taking demarcation level from concerned Development Authority. Similarly, depth and size of water supply and sewerage lines would also be got verified from concerned authority.

xx. Service Plans shall be got approved from the concerned Development Authority.

xxi. Applicant shall develop the land as per the proposals of Master Plan, Talwandi Bhai-Ghali Khurd and shall keep the proposed land use, roads, green buffer, park and choe etc. intact as per the proposal of Master Plan in its site.

xxii. As per notification issued vide Memo No. PUDA/CA/2013/1713-16, dated 27.02.2013, the promoter shall not use underground water for construction of development works in the notified area. They shall use surface water sources or treated sewage from nearby Sewage Treatment Plant.

No change of land use charges has been charged as per notification No. 17/17/2001-5Hg2/P.F./ 7481681/17 dated 06.05.2016

Chief Town Planner,
Punjab. Chandigarh

Endst.No. CTP(Pb)/ Dated

Copy is forwarded to the Chief Administrator GLADA, Ludhiana in the light of Notification No. 13/64/17-5HG-2/1880 dated 16.11.2018 for information and necessary action.

Sd/-
Chief Town Planner,
Punjab, Chandigarh.

Endst.No. CTP(Pb)/ Dated

Copy is forwarded to the Chief Administrator, PUDA, SAS Nagar Notification No. 13/64/17-5HG-2/1880 dated 16.11.2018 for information and necessary action.

Sd/-
Chief Town Planner,
Punjab, Chandigarh.

Endst.No. CTP(Pb)/ Dated

Copy is forwarded to the following for information and necessary action:-

1) Chairman, Punjab Pollution Control Board, Patiala.
2) Managing Director, PSIEC, Punjab Chandigarh
3) The Chief Conservator of Forests, Punjab, Chandigarh.
4) Senior Town Planner, Ludhiana.
5) Distt. Town Planner, Ferozepur.

Sd/-
Chief Town Planner,
Punjab, Chandigarh.
U-1

Scanned with CamScanner

DIRECTORATE OF TOWN & COUNTRY PLANNING, PUNJAB
PUDA Bhawan, Block-'A', Sector 62, SAS NAGAR.

To

M/s. Sukhbir Agro Energy Ltd.,
Village: Hakumat Singh Wala,
Tehsil & Distt. Ferozpur.

Memo No. 5117 -GTP(Pb)/ S.P-432-F2R
Dated: 11-04-2018

Subject:- Change of Land Use for Industrial purpose for (Biomas Power Project) by M/s. Sukhbir Agro Energy Ltd. at Village: Hakumat Singh Wala (H.B.No.186), Tehsil Talwandi Bhai , Distt. Ferozpur (Area 3.00Acre).

Reference:- Your request dated Nil

2. Your request for change of land use for additional area measuring 3.00 Acre in continuation to the earlier approved CLU of 40.2375 Acre falling at Village: Hakumat Singh Wala (H.B.No.186), Tehsil Talwandi Bhai, Distt. Ferozpur for industrial purpose (Bio-mass Power Project) has been considered in this office. The permission for change of land use for Bio-mass Power Project is hereby granted on the following terms and conditions. The detail of land as verified by Naib Tehsildar- Talwandi Bhai is as under:-

Sr. No.	Khasra No. and area as per Jamabandi (K-M)	Area for CLU Permission.
1.	20//1/2(9-16), 18(8-0), 19(6-4) Total 24 K-0M(3.00Acres)	Permission granted for CLU 3.00 acres

1) The Change of Land Use shall be in the hands of M/s. Sukhbir Agro Energy Ltd.
2) Applicant shall deposit CLU, EDC/ License/ Permission Fee and all other charges levied or to be levied by Housing and Urban Development Department from time to time.
3) Applicant shall get the Layout/building plans approved from the Competent Authority before carrying out development on site.
4) The issue of ownership of land is independent and exclusive of permission of Change of Land Use. Therefore, this permission of CLU does not in any manner grant or effect ownership right of this land which have to be determined by Competent Authority. The Applicant in whose hands this Change of Land Use lies shall be bound by the decision of such Competent Authority.
5) Applicant shall be responsible for any litigation, if any, regarding land in any court of law.
6) Thorough revenue rastas/khals and pucca roads if any, passing through the site shall be kept unobstructed.
7) Applicant shall obtain NOC from PPCB required under the Water (Prevention and Control of Pollution) Act, 1974, Municipal Solid Waste Management and Handling Rules, 2008 or any other relevant Act before undertaking any development at the site.
8) Applicant shall ensure the minimum distance from the nearby residential area, if any, as prescribed by PPCB, Deptt. of Environment or other Competent Authority in this regard and as per Notification dt. 25.7.2008 of the Deptt. of Science, Technology & Environment, Punjab.
9) Applicant shall not make any construction under HT/LT. electric lines if passing through the site or shall get these lines shifted by applying to the concerned authority.
10) This permission will not provide any immunity from any other Act/Rules/ Regulations applicable to the land in question.
11) Applicant shall obtain NOC from the Forest Department, under Forest Act, 1980 or any other relevant act before undertaking development at the site.
12) Applicant shall make necessary arrangements for fire fighting as per NOC granted by the Competent Authority.

Scanned by CamScanner

Scanned with CamScanner

13) Applicant shall make provision for the disposal of rain/storm water of the proposed project and shall not obstruct the flow of rain/ storm water of the surrounding area.

14) Applicant shall make provision of rain water harvesting within the project area at its own cost.

15) Applicant shall make its own suitable provision for drinking water supply and disposal of sewage & solid waste management.

16) Applicant shall obtain any other permission required under any other Act at his own level.

17) Applicant shall develop the land as per proposal of Master Plan, Talwandi Bhai/Ghall Khurd and shall keep the proposal land use roads, green buffer, park and choe etc., intact as per the proposal of Master Plan in its site.

18) Applicant shall abide by all the condition levied by Executive Engineer, Central Works Division, PWD(B&R), Ferozepur vide letter No.3154, dt.29.11.2018.

19) Applicant shall obtain permission to derive access from the Scheduled Road from the Competent Authority under Section 143 of the Punjab Regional and Town Planning and Development Act 1995, before undertaking development at the site and shall leave 5mtrs. 'no construction zone' as per the provisions of the Act.

20) As per notification issued vide Memo No.PUDA/CA/2013/1713-16, dated 27.02.2013, the promoter shall not use underground water for construction of development works in the notified area. Applicant shall use surface water sources or treated sewage from nearby Sewage Treatment Plant.

C.L.U. charges for industries are exempted as per Notification No. 17/17/2001-5Hg2/P.F./ 7481681/17 dated 16th May, 2016 & EDC/L.R. are exempted as per notification No.17/17/2001-5Hg2/PF/299539/1 dated 29.08.2014

Chief Town Planner,
Punjab, Chandigarh.

Endst.No. CTP(Pb)/ Dated:

Copy is forwarded to the Chief Administrator, GLADA, Ludhiana for information and necessary action.

Chief Town Planner,
Punjab, Chandigarh.

Endst.No. CTP(Pb)/ Dated:

A copy is forwarded to Chief Administrator, PUDA, SAS Nagar for information and necessary action.

Chief Town Planner,
Punjab, Chandigarh.

Endst.No. CTP(Pb)/ Dated:

Copy is forwarded to the following for information and necessary action:-

1) Chairman Punjab Pollution Control Board, Patiala.
2) Chief Conservator of Forests, Punjab, Chandigarh.
3) Senior Town Planner, Ludhiana.
4) District Town Planner, Ferozpur.

Chief Town Planner,
Punjab, Chandigarh.
'Sekhon'

Scanned by CamScanner

Centre for Environment and Food Technology Pvt. Ltd.

An ISO 9001; 2015, ISO 45001; 2018 (OHSAS); ISO/IEC 17025; 2017
NABL & IQAS Accredited, FSSAI and MoEF Recognised Testing Laboratory

TEST REPORT

ISSUED TO: M/s SUKHBIR AGRO ENERGY LTD.
FEROZEPUR – MOGA ROAD,
VILLAGE HAKUMAT SINGH WALA, DISTRICT FEROZEPUR, PUNJAB

Report No.	**CEFT|2501|332 to 337**	**Report Date**	**06.02.2025**
Your Ref. No	**Nil**	**Type of sample**	**Ambient Noise (Day)**
Sample Code given by Customer	**Nil**	**Date of Monitoring**	**29.01.2025**
Sampling Location	**Within premises**		
Sample Monitored By	**Lab Person**	**Sample I.D.**	**CEFT|GEN|2501|332 to 337**
Sampling procedure	**As per SOP**	**Date of test**	**29.01.2025**

Sr. No.	Location	Results dB(A) Leq	Standards dB(A) Leq	Test Method
1	Village Thether Kalan	50.2	55(DAY) As per Noise Rule 2000	IS 9989
2	Village Saleyani	51.5	55(DAY) As per Noise Rule 2000	IS 9989
3	Village Machi Bugra	52.8	55(DAY) As per Noise Rule 2000	IS 9989
4	Village Hakumat Singh Wala	53.6	55(DAY) As per Noise Rule 2000	IS 9989
5	Village Ghall Khurd	52.4	55(DAY) As per Noise Rule 2000	IS 9989
6	Village Bhangali	51.3	55(DAY) As per Noise Rule 2000	IS 9989

****End of Report****

Centre For Environment and Food Technology Pvt. Ltd. New Delhi

Authorised Signatory

Note : 1. The test results are related to the sample/ tested as identified.
2. The sample will be discarded after retention time of 7 days unless otherwise specified.
3. Any Discrepancy found in the test report may be communicated within seven days.
4. This report shall not be reproduced, cannot be used as evidence in the court of law and should not be used in any advertising media without written permission of CEO, CEFT Pvt. Ltd.
5. The Court Jurisdiction will be Delhi.
6. Customer complaint register is available at the laboratory.

Regd. Address - Bldg. No. 17, 1st & 2nd Floor, DLF Industrial Area, Moti Nagar, New Delhi - 110015 Ph.: - 011-45012722
Email: info@ceftlab.com, Website : www.ceftlab.com

TEST REPORT

ISSUED TO:M/s SUKHBIR AGRO ENERGY LTD.
FEROZEPUR – MOGA ROAD,
VILLAGE HAKUMAT SINGH WALA, DISTRICT FEROZEPUR, PUNJAB

Report No.	**CEFT|2501|338 to 343**	**Report Date**	**06.02.2025**
Your Ref. No	**Nil**	**Type of sample**	**Ambient Noise(Night)**
Sample Code given by Customer	**Nil**	**Date of Monitoring**	**29.01.2025**
Sampling Location	**Within premises**		
Sample Monitored By	**Lab Person**	**Sample I.D.**	**CEFT|GEN|2501|338 to 343**
Sampling procedure	**As per SOP**	**Date of test**	**29.01.2025**

Sr. No.	Location	Results dB(A) Leq	Standards dB(A) Leq	Test Method
1	Village Thether Kalan	41.2	45(Night) As per Noise Rule 2000	IS 9989
2	Village Saleyani	40.8	45(Night) As per Noise Rule 2000	IS 9989
3	Village Machi Bugra	42.3	45(Night) As per Noise Rule 2000	IS 9989
4	Village Hakumat Singh Wala	41.6	45(Night) As per Noise Rule 2000	IS 9989
5	Village Ghall Khurd	40.4	45(Night) As per Noise Rule 2000	IS 9989
6	Village Bhangali	41.5	45(Night) As per Noise Rule 2000	IS 9989

****End of Report****

Authorised Signatory

Note : 1. The test results are related to the sample/ tested as identified.
2. The sample will be discarded after retention time of 7 days unless otherwise specified.
3. Any Discrepancy found in the test report may be communicated within seven days.
4. This report shall not be reproduced, cannot be used as evidence in the court of law and should not be used in any advertising media without written permission of CEO, CEFT Pvt. Ltd.
5. The Court Jurisdiction will be Delhi.
6. Customer complaint register is available at the laboratory.

Regd. Address - Bldg. No. 17, 1st & 2nd Floor, DLF Industrial Area, Moti Nagar, New Delhi - 110015 Ph.: - 011-45012722
Email: info@ceftlab.com, Website : www.ceftlab.com

Centre for Environment and Food Technology Pvt. Ltd.

An ISO 9001; 2015, ISO 45001; 2018 (OHSAS); ISO/IEC 17025; 2017
NABL & IQAS Accredited, FSSAI and MoEF Recognised Testing Laboratory

TEST REPORT

ISSUED TO: M/s SUKHBIR AGRO ENERGY LTD.
FEROZEPUR – MOGA ROAD,
VILLAGE HAKUMAT SINGH WALA, DISTRICT FEROZEPUR, PUNJAB

Report No.	**CEFT|2501|356**	**Report Date**	**06.02.2025**
Your Ref. No.	**Nil**	**Type of sample**	**Canal Water (Surface Water)**
Sample Code Given by Customer	**Nil**	**Quantity**	**05 LITER**
		Date of sampling	**29.01.2025**
Sampling Location	**Village Thether Kalan**	**Date of sample receipt**	**30.01.2025**
Sample Collected By	**Lab Person**	**Sample I.D.**	**CEFT|GEN|2501|356**
Sampling procedure	**As per SOP**	**Date of test**	**30.01.2025-06.02.2025**

S. No.	Parameters	Results	Limits of IS: 10500 – 2012		Test method
			Requirement (Acceptable Limit)	Permissible limit in absence of alternate source	
1	pH	7.52	6.5 – 8.5	No relaxation	IS 3025 (Part-11)
2	Total Dissolved Solids mg/l Max	158	500	2000	IS 3025 (Part-16)
3	Alkalinity (as $CaCO_3$)mg/l ,Max	84	200	600	IS 3025 (Part-23)
4	Chloride (as Cl), mg/l, Max	11.6	250	1000	IS 3025 (Part-32)
5	Sulphate (as SO_4) mg/l, Max	10.4	200	400	IS 3025 (Part-24)
6	Calcium (as Ca) mg/l Max	18	75	200	IS 3025 (Part-40)
7	Magnesium (as Mg) mg/l, Max	5.4	30	100	IS 3025 (Part-46)
8	Total Hardness(as $CaCO_3$)mg/l, Max	77	200	600	IS 3025 (Part-21)
9	Nickel (as Ni), mg/l, Max	ND	0.02	No relaxation	APHA 24th Edition
10	Silver (as Ag), mg/l, Max	ND	0.1	No relaxation	APHA 24th Edition
11	Nitrate (as NO_3) mg/l, Max	3.1	45	No relaxation	IS 3025 (Part-34)
12	Fluoride (as F) mg/l Max	0.11	1.0	1.5	APHA 24th Edition
13	Colour, Hazen unit, max	<1	5	25	IS 3025 (Part-4)
14	Odour	Agreeable	Agreeable	-----	IS 3025 (Part-5)
15	Turbidity, NTU max	<1	5	10	IS 3025 (Part-10)
16	Taste	Agreeable	Agreeable	-----	IS 3025 (Part -8)
17	Iron (as Fe) mg/l Max	0.13	0.3	No relaxation	IS 3025 (Part-53)
18	Boron (as B) mg/l Max	ND	0.5	1.0	IS 3025 (Part-57)
19	Manganese (as Mn) mg/l Max	ND	0.1	0.3	IS 3025 (Part-59)
20	Zinc (as Zn) mg/l Max	0.9	5	15	IS 3025 (Part-49)
21	Copper (as Cu) mg/l Max	ND	0.05	1.5	IS 3025 (Part-42)
22	Cadmium (as Cd) mg/l Max	ND	0.003	No relaxation	IS 3025 (Part-41)
23	Lead (as Pb) mg/l Max	ND	0.01	No relaxation	IS 3025 (Part-47)
24	Aluminium (as Al) mg/l Max	ND	0.03	0.2	IS: 3025 (Part 31)
25	Selenium (as Se) mg/l Max	ND	0.01	No relaxation	IS 3025 (Part-56)
26	Mercury (as Hg) mg/l Max	ND	0.001	No relaxation	IS 3025 (Part-48)
27	Arsenic (as As) mg/l	ND	0.01	0.05	IS 3025 (Part-37)
28	Chromium (as Cr) mg/l Max	ND	0.05	No relaxation	IS 3025 (Part-52)
29	Cyanide (as CN) mg/l Max	ND	0.05	No relaxation	IS 3025 (Part-27)
30	Residual free chlorine, mg/l Min	ND	0.2	1.0	IS 3025 (Part-26)

Bacteriological Examination:-

S. NO.	PARAMETERS	TEST RESULTS	LIMITS	TEST METHOD
1	E.coli/100ml	ABSENT	ABSENT	IS 15185:2016
2	Coliform /100ml	ABSENT	ABSENT	IS 15185:2016
3	Aerobic Plate Count cfu/ml at 37°C for 24 hours)	17	...	IS 1622 :1981

Note: ND Denotes Not Detectable

****End of Report****

For Centre for Environment and Food Technology Pvt. Ltd. Sr. Microbiologist

For Centre for Environment and Food Technology Pvt. Ltd. New Delhi Authorised Signatory

Note : 1. The test results are related to the sample/ tested as identified.
2. The sample will be discarded after retention time of 7 days unless otherwise specified.
3. Any Discrepancy found in the test report may be communicated within seven days.
4. This report shall not be reproduced, cannot be used as evidence in the court of law and should not be used in any advertising media without written permission of CEO, CEFT Pvt. Ltd.
5. The Court Jurisdiction will be Delhi.
6. Customer complaint register is available at the laboratory.

Regd. Address - Bldg. No. 17, 1st & 2nd Floor, DLF Industrial Area, Moti Nagar, New Delhi - 110015 Ph.: - 011-45012722
Email: info@ceftlab.com, Website : www.ceftlab.com

Centre for Environment and Food Technology Pvt. Ltd.

An ISO 9001; 2015, ISO 45001; 2018 (OHSAS); ISO/IEC 17025; 2017
NABL & IQAS Accredited, FSSAI and MoEF Recognised Testing Laboratory

TEST REPORT

ISSUED TO: M/s SUKHBIR AGRO ENERGY LTD.
FEROZEPUR – MOGA ROAD,
VILLAGE HAKUMAT SINGH WALA, DISTRICT FEROZEPUR, PUNJAB

Report No.	**CEFT|2501|325**	**Report Date**	**06.02.2025**
Your Ref. No.	**Nil**	**Type of sample**	**STP (OUT-LET) Water**
Sample Code given by customer	**Nil**	**Quantity**	**02 Liter HDPE Bottle + 1 Liter Glass Bottle**
		Date of sampling	**29.01.2025**
Sampling Location	**Within Premises**	**Date of sample receipt**	**30.01.2025**
Sample Collected By	**Lab Person**	**Sample I.D.**	**CEFT|GEN|2501|325**
Sampling procedure	**As per SOP**	**Date of test**	**30.01.2025 – 06.02.2025**

S. NO.	PARAMETERS	TEST RESULTS	STANDARDS			TEST METHODS
			Inland surface Water	Public Sewer	Land for Irrigation	
1.	pH	7.56	5.5 – 9.0	5.5 – 9.0	5.5 – 9.0	IS 3025(Part-11)
2.	Total Suspended Solids, mg/L	39	100	600	200	IS 3025 (Part-17)
3.	Total Dissolved Solid, mg/L	1411	2100	2100	2100	IS 3025 (Part-16)
4.	Bio-chemical Oxygen Demand at 27°C 3 days, mg/L	26	30	350	100	IS 3025 (Part-44)
5.	Chemical Oxygen Demand, mg/L	120	250	No guideline	No guideline	IS 3025 (part-58)
6.	Oil and Grease, mg/L	7.4	10	20	10	IS 3025 (Part-39)

****End of Report****

Centre For Environment and Food Technology Pvt. Ltd. New Delhi

Authorised Signatory

Note : 1. The test results are related to the sample/ tested as identified.
2. The sample will be discarded after retention time of 7 days unless otherwise specified.
3. Any Discrepancy found in the test report may be communicated within seven days.
4. This report shall not be reproduced, cannot be used as evidence in the court of law and should not be used in any advertising media without written permission of CEO, CEFT Pvt. Ltd.
5. The Court Jurisdiction will be Delhi.
6. Customer complaint register is available at the laboratory.

Annexure - VI




























SAEL





































Annexure - VII

Environment Audit Report
&
Environmental Statement
F.Y. 2023-24



SAEL
SUSTAINABLE & AFFORDABLE ENERGY FOR LIFE

SAEL Limited

(Formerly Sukhbir Agro Energy Limited)
Moga Road, Village Hakumat Singh Wala,
Distt. -Ferozepur-142052, Punjab

Prepared By:

Er. R.K. Gupta
Senior Environmental Engineer (Retd.)
CHARTERED ENGINEER
Punjab Pollution Control Board
Mob. 99147-67267, 98789-50510
E-mail: - gupta1958rk@gmail.com

R4 ENVIRO
ENVIRONMENTAL CONSULTANTS
#7, Sukh Enclave, New Officers Colony
Patiala (Punjab) – 147001
Mob: - 98145-39397, 01755 202 707
E-mail: - info@r4enviro.com

ACKNOWLEDGEMENT

First of all I am grateful to the management of M/s SAEL Limited (Formerly Sukhbir Agro Energy Limited) for providing us an opportunity to be a part of it by assigning the job regarding preparation of Environment Audit Report &Environmental Statement for the financial year 2023-24.

I wish to express my sincere thanks to Sh. Anant Mishra, Chief Operating Officer for his constant support, encouragement and for providing necessary inputs.

I am also grateful to Mr. Ambuj Mishra, Vice President (ESG & S) and Mr. Bharat Bhushan Mahajan, DGM (EHS & S) for their coordination in conducting the Environmental Audit.

I place on record, my sincere gratitude to Sh. Ashwani Mehta (Plant Head) and Mr. Rohit Kumar Verma, Manager (EHS & S) for providing necessary documents, technical support& visit to the industry.

I take this opportunity to record my sincere thanks to all the team members of R4 Enviro Pvt. Ltd., Environmental Consultants for helping me for analysing the data, typing and preparation of the report with their best efforts.



Er. R.K. Gupta
Senior Environmental Engineer (Retd.)
CHARTERED ENGINEER (PPCB)
Managing Director
R4 Enviro Private Limited
Environmental Consultants

INDEX

Chapter No.	Contents	Page No.
1.	Introduction	1 – 5
2.	Objective of Environmental Statement	6
3.	Manufacturing Process	7 – 9
4.	Water Requirement	10 – 11
5.	Water Pollution Generation & its Management	12 – 13
6.	Air Pollution Generation & its Management	14
7.	Hazardous Waste Generation & its Management	15 – 18
8.	Solid Waste Generation & its Management	19
9.	Statutory Permissions	20 – 37
10.	Compliance of Environmental Standards	38 – 41
11.	Form V – Environmental Statement	42 – 53

Chapter – 1

INTRODUCTION

1.1 OVERVIEW

Environmental regulations are becoming increasingly complex and costly for both private and public sector regulated entities as rapid industrialization and urbanization has caused environment degradation of varied nature. Degradation of Environment poses great threat to eco-system and general health of public. There is need to take effective steps by an individual entrepreneur to arrest environment degradation. Federal agencies, however, differ from the private sector in how they must comply with those regulations. Thus, Federal agencies are being asked to do more with less -- comply with all applicable environmental regulations while utilizing fewer resources to accomplish the goal of full compliance. An environmental audit is one tool that an industry can use to comply with the regulations, as well as to improve the efficiency of operations and conserve limited fiscal and labour resources. A number of factors must be considered when designing and implementing an environmental audit program. In developing an effective audit program, an agency environmental manager must always remain aware that:

(1) the audit program should complement and contribute to the company mission

(2) securing funding for the audit program and the implementation of audit findings must be an integral part of the agency budgeting process.

1.2 EPA'S 1986 ENVIRONMENTAL AUDIT POLICY

The U.S. Environmental Protection Agency (EPA) recognizes that environmental auditing -- and sound environmental management generally -- can provide potentially powerful tools toward protection of public health and the environment. In encouraging the use of these tools, EPA has announced the "Environmental Auditing Policy Statement" on July 9, 1986(51 FR 25004) (1986 audit policy) and the "Incentives for Self-Policing: Discovery,

Disclosure,Correction and Prevention of Violations" on December 22, 1995 (60 FR 66706) (1995 or final audit or self-policing policy).

The 1986 audit policy states that "it is EPA policy to encourage the use of environmental auditing by regulated industries to help, achieve and maintain compliance with environmental laws and regulation, as well as to help identify and correct unregulated environmental hazards." The policy also specifically endorses environmental auditing at federal facilities.

In the 1986 policy, EPA defines environmental auditing as "a systematic, documented, periodic, and objective review of facility operations and practices related to meeting environmental requirements."

The policy identifies several objectives for environmental audits: -

- Verifying compliance with environmental requirements
- Evaluating the effectiveness of in-place environmental management systems; and
- Assessing risks from regulated and unregulated materials and practices.

1.3 DEFINITION - ENVIRONMENTAL AUDIT

The environmental audit is a management tool consisting of a systematic, documented, periodic and objective evaluation of environmental performance, management systems and equipment with the aim of firstly, facilitating management control of environmental practices and secondly, assessing compliance with an operation's or activity's environmental policies, including meeting regulatory requirements. Examples include:

- internal auditing of systems and procedures for measuring, recording and reporting performance data
- independent validation of systems and procedures for measuring, recording, and reporting performance data
- Independent evaluations and commentaries by external experts regarding an organisation's economic, environmental, and social performance and/or management processes.

1.4 ENVIRONMENTAL AUDITING – BACKGROUND

There is increasing need for companies to demonstrate good environmental management practice to a wide range of interested parties. ISO 14001 and the EU's voluntary Eco-Management and Audit Scheme [EMAS] require that participating organisations have their environmental performance measured and verified.

Environmental auditing is not a legal requirement under any specific law or regulation. Rather, it is a proactive management tool that is used to consciously identify environmental problems before they occur in order to take preventative measures. Environmental auditing is an internal management tool for use by an organization or activity in carrying out its environmental management responsibilities.

Auditing is a long-established tool commonly used to evaluate and monitor financial and production performance.In recent years, the audit tool has been adapted to workplace environmental programs, systems and practices to evaluate their effectiveness and to identify deficiencies that require corrective action.

Auditing all or part of that system can measure the performance of a company's environmental management system. The results of such audits can assist companies in demonstrating their commitment to continuously improving their environmental performance. Full commitment from senior company management is essential if the audit process is to be a success. This commitment requires an involvement and interest in the whole audit process.The environmental audit is a voluntary action which can be undertaken by the manager of an organization or activity or by a third party and which serves as an instrument for managing and monitoring the environment.

1.5 WHY ENVIRONMENTAL AUDIT IS REQUIRED ?

An environmental audit can provide valuable information to help a company to meet the agreed standards of environmental performance (which should be defined in company policy) and stay ahead of the requirements placed on them by law.

The possible functions and benefits of an environmental audit are:

Management

- Demonstrate a visible commitment to improving an organisation's environmental performance.
- Use as a basis for the development of environmental management policies or efforts to improve existing plans.
- Identify environmental risks, impacts and review of management controls and systems and associated liabilities, liabilities and risks from past and present activities of the site or surroundings and implementation of recommendations.
- Review process and plant operating procedures or activity's current environmental standards of operation and company environmental management procedures, including emergency response planning, monitoring and reporting systems and planning for future changes in Processes or Regulations.
- Increasing actions undertaken or needing to be undertaken by an organization or activity to meet environmental goals such as sustainable development, Responsible Care®, recycling and efficient use of resources.

Financial

- Prevention of financial losses: through remediation or the closure of an organization or activity; government restrictions or negative publicity caused by bad management or monitoring of the environment.
- Fair assessment of financial implications of environmental issues, liabilities and impact of new regulations.
- Highlight where costs can be saved (e.g. through energy conservation or minimisation, improved use of raw materials, process changes, waste reduction, reuse and recycling etc).

Legal

- To measure and improve an organization's or activity's compliance with environmental legislation and regulations such as operating permits, air emission standards, effluent standards, waste management standards, transport regulations, etc.,thus avoiding legal sanctions against an organization or activity or its management under prevailing laws and regulations.
- Provision of evidence of the implementation of environmental management in court if requested.

Training

- To facilitate the sharing of best environmental practices and increase in the awareness of the management and staff of an organization regarding environmental policies and responsibilities.
- Assessment of training, knowledge and awareness of employees.

Reporting

- Provision of an environmental audit report for use by an organization, or activity in dealings with environmental groups, government and the mass media.
- Provision of information required by insurance companies, financial institutions, shareholders and other stakeholders.

It is also important to recognise the limitations of the audit process when deciding to conduct an environmental audit. The following points may be helpful to remember in this respect:

- An audit should not be used as a chance to tell the audited unit how to do their job
- It is not a technical investigation in itself (although can be used in support).
- It should not be used to provide a public statement of performance (although it may be used to back up and support any such statements made).

Chapter – 2

OBJECTIVE OF ENVIRONMENTAL STATEMENT

The Ministry of Environment, Forests & Climate Change (MOEF & CC) Govt. of India vide notification no. G.S.R. 329 (E) dated 13.03.1992 and G.S.R. 386 (E) dated 22.04.1993 made some amendments in the Environment (Protection) Rules, 1986 framed under Environment (Protection) Act, 1986.

Rule 14 of the above stated EPA rules reads as under: -

"Every person carrying on an industry, operation or process requiring consent under section 25 of the Water (Prevention and Control of Pollution) Act, 1974 (6 of 1974) or under section 21 of the Air (Prevention and Control of Pollution) Act, 1981 (14 of 1981) or both or authorization under the Hazardous Wastes (Management and Handling) Rules, 1989 issued under the Environment (Protection) Act, 1986 (29 of 1986) shall submit an environmental statement for the financial year ending the 31st March in Form V to the concerned State Pollution Control Board on or before the thirtieth day of September every year, beginning 1993."

According to the said rule, each and every industryis required to submit Environmental Statement by 30th September every year for the preceding financial year ending 31st March.

M/s SAEL Limited has engaged the services of Er. R.K. Gupta, Former S.E.E., Punjab Pollution Control Board and has been recognised as Chartered Engineer by the PPCB. The Consultant is Managing Director of M/s R4 Enviro Pvt. Ltd., Environmental Consultants who has engaged by the industry for preparing the Environmental Statement of the industry for the financial year 2023-24. The Environment Audit Report & Environmental Statement has been prepared basedon data/information supplied by the industry in compliance to the provisions of the EPA, Rules 1986 as amended to date.

Chapter – 3

MANUFACTURING PROCESS

ABOUT THE INDUSTRY

M/s SAEL Limited has Biomass based Thermal Power Plant with capacity of 18 MWH at Moga Road, Village Hakumat Singh Wala, Distt. -Ferozepur, Punjab. Paddy Straw is used as Raw material for this project. This project is purely independent and not interlinked with any project.

SAEL Limited (Formerly Sukhbir Agro Energy Limited) was established with a vision to contribute significantly to the renewable energy sector in India. Headquartered in Delhi, the company focuses on the production of renewable energy through biomass and other sustainable sources. Initially recognized for its pioneering efforts in biomass power generation, SAEL Limited expanded its operations to include various renewable energy projects across the country. The company has played a crucial role in promoting environmental sustainability while contributing to India's energy security goals.

SAEL Limited (Formerly Sukhbir Agro Energy Limited) has more than 30 Year experience in agriculture & agro based industries. The Company was incorporated in 1999 as a Private Limited Company and in 2006 reconstituted as a Limited Company. The first Venture of the group was setting up of Rice mill in 1977.The major expansion and diversification was carried out during 2006 by setting up an integrated Food processing unit and 15 MW biomass-based power plant at Fatehullapur, Ghazipur, UP & 14.5 MW at Channu, near Bhatinda, Punjab.

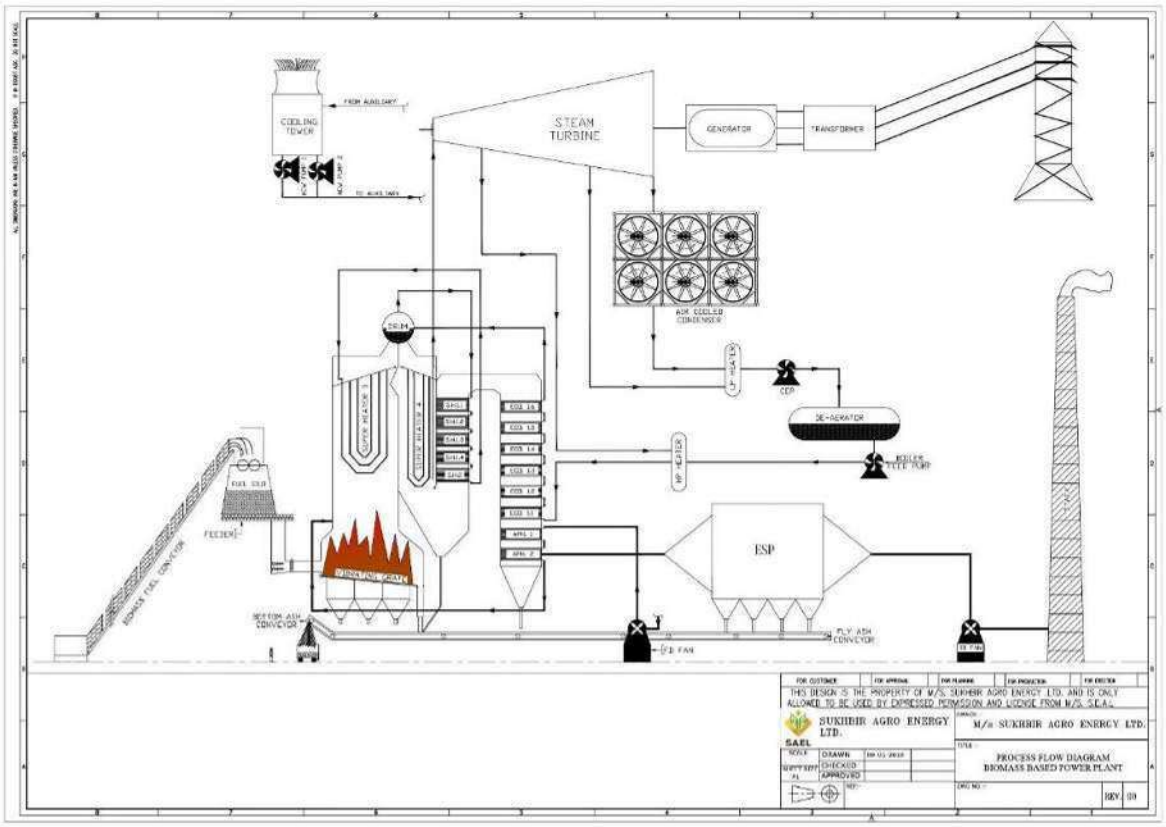
Electricity known to be vital utility & stimulating the economic development of the nation. India has witnessed significant growth in power generation sector. However, the demand has escalated so high in spite of high generation. The thermal power always has major component among the different type of power generation in India.

Renewable energy sector in India has emerged as a significant player in the grid connected power generation capacity. It supports the government agenda of sustainable growth, while, emerging as an integral part of the solution to meet the nation's energy needs and an essential player for energy access. It has been realized that renewable energy has to play a much deeper role in achieving energy security in the years ahead and be an integral part of the energy planning process.

The Biomass Based Thermal Power Project has generated employment in the surroundings for the local people during the construction as well as during operation period. Unskilled/semi-skilled manpower related to industrial activities are drawn locally or from nearby places. Preference during recruitment is given to the people of surrounding areas according to their qualification and experience. Apart from direct employment, indirect employment opportunity in term of transport operation, repair garages, various ancillaries, shops & market etc. has been generated.

The industry is engaged in the manufacturing ofElectricity / Electric Power for which the industry has installed plant of capacity 18 MWH. The industry has manufactured Electricity @ 12,05,81,100 KWH i.e. 1,20,581.100 MWH during the financial year 2022-23 and Electricity @ 15,13,38,600 KWH i.e. 1,51,338.600 MWH during the financial year 2023-24. The raw material used by the industry is Biomass (Paddy Straw / Paddy Bales). The raw material used by the industry during the financial year 2022-23 is Paddy Bales @ 1,41,216.56 MT and during the financial year 2023-24 is 1,81,163.14 MT.

The Manufacturing Process Flow Chart of the industry are as per figure. 3.1.



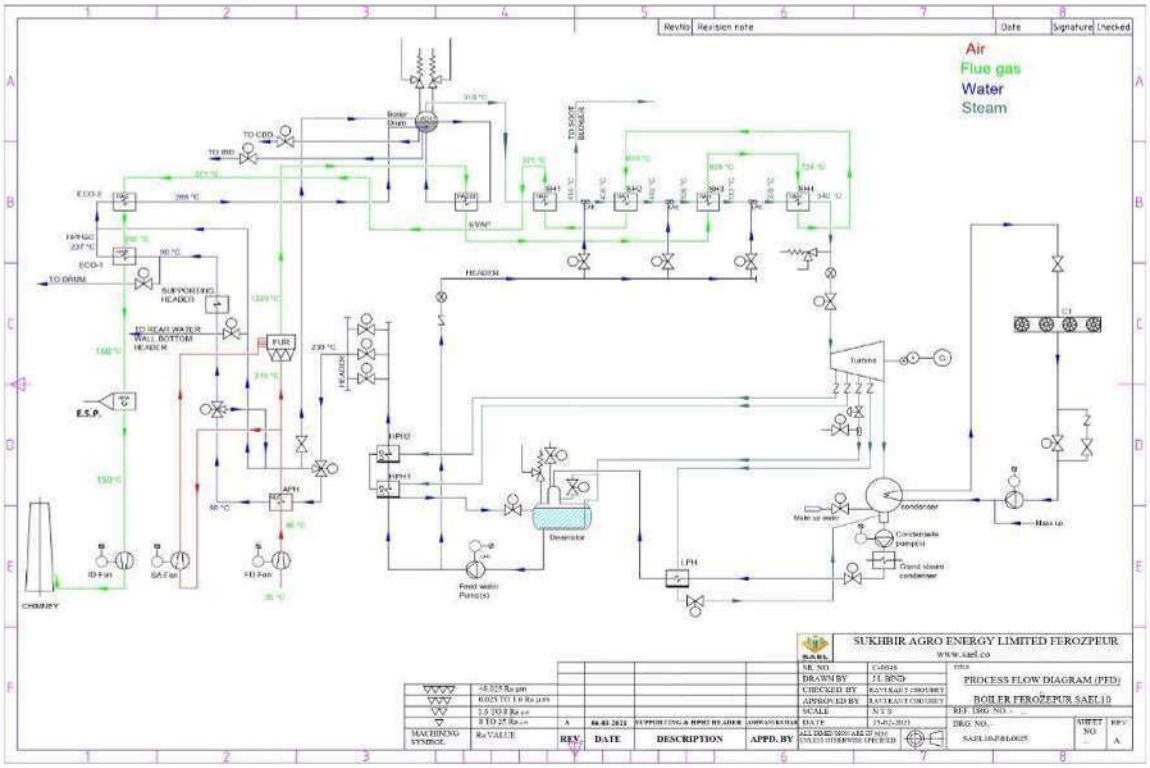


Fig. 3.1 - Process Flow Diagrams of Industry

Chapter – 4

WATER REQUIREMENT

The industry has a fresh water requirement for Boiler Feed, Cooling Towers and for the Domestic use. The industry is having Canal Water supply and is not having any ground water supply and has not installed any borewell in the industry. The industry has installed reservoir of size 85m x 75m x 5.0m meter of capacity 31,875 M^3.

- The total fresh water Consumption of the industry during the financial year 2022-23 was 3,95,969 KL i.e. 1084.85 KLD and total fresh water consumption during the financial year 2023-24 was 4,16,118 KL i.e. 1140.05 KLD.

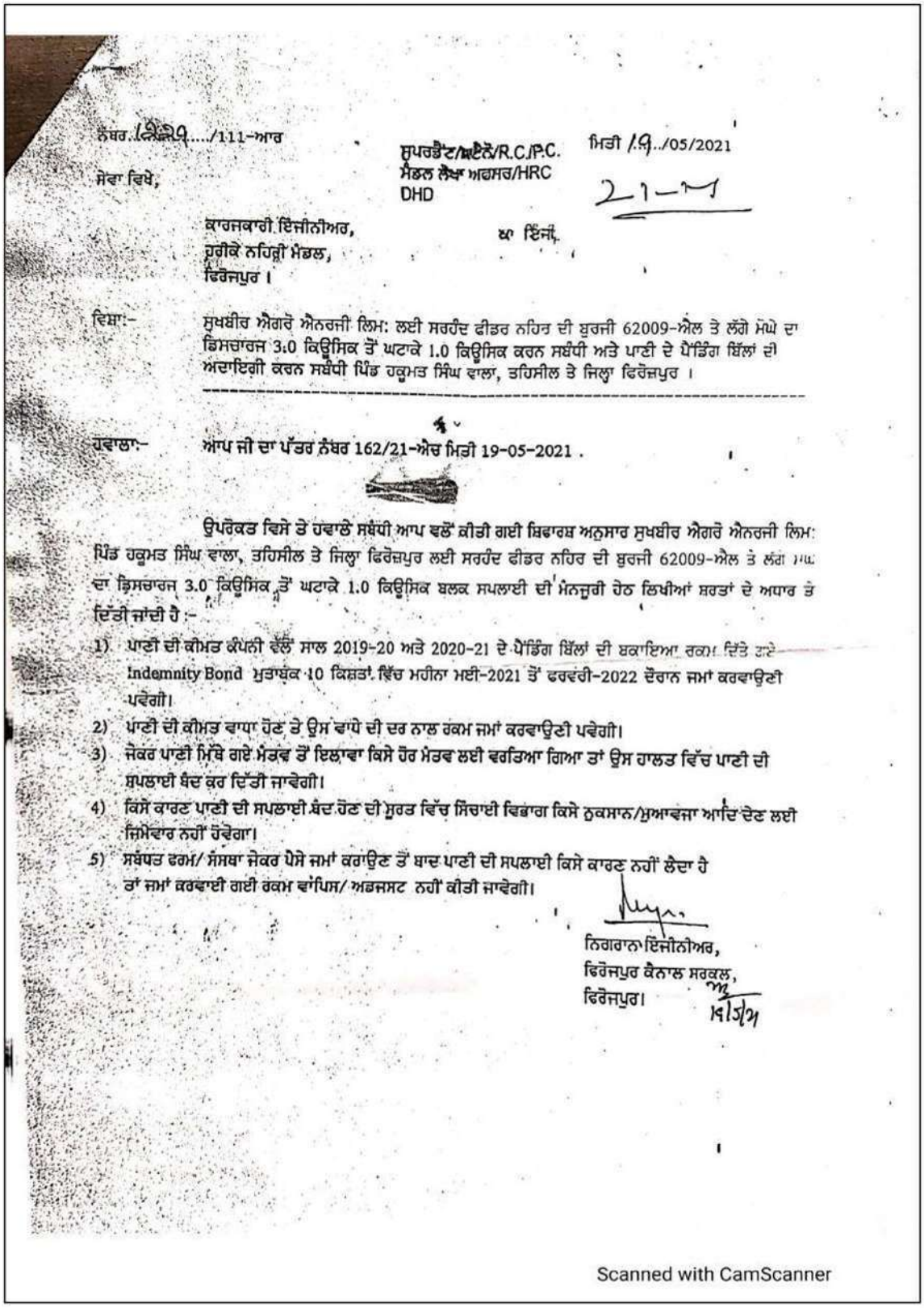
- The industry is maintaining record of total consumption of water in the industry. Electromagnetic flow water meters have been installed. Water meter readings are recorded on daily basis.

- The industry is also maintaining record of consumption of water for every activity.

- The industry has obtained the permission from the Irrigation Department vide letter no. 1229/111-R dated 19.05.2021. The copy of the permission granted to the industry is enclosed herewith as per **Annexure – 4.1**.

- The industry is using the canal water in the process after treatment through clarifier and then through RO system and treatment in DM Plant.

Annexure – 4.1



ਨੰਬਰ 1229 /111-ਆਰ

ਸੁਪਰਡੈਂਟ/ਐਟੋ/R.C./P.C.
ਮੈਡਲ ਲੈਖਾ ਅਫਸਰ/HRC
DHD

ਮਿਤੀ 19/05/2021

ਸੇਵਾ ਵਿਖੇ,

ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ,
ਹੁਸੈਨੀਵਾਲਾ ਨਹਿਰੀ ਮੰਡਲ,
ਫਿਰੋਜਪੁਰ ।

ਵਿਸ਼ਾ:- ਸੁਖਬੀਰ ਐਗਰੋ ਐਨਰਜੀ ਲਿਮ: ਲਈ ਸਰਹੰਦ ਫੀਡਰ ਨਹਿਰ ਦੀ ਬੁਰਜੀ 62009-ਐਲ ਤੇ ਲੱਗੇ ਮੋਘੇ ਦਾ ਡਿਸਚਾਰਜ 3.0 ਕਿਊਸਿਕ ਤੋਂ ਘਟਾਕੇ 1.0 ਕਿਊਸਿਕ ਕਰਨ ਸਬੰਧੀ ਅਤੇ ਪਾਣੀ ਦੇ ਪੈਂਡਿੰਗ ਬਿੱਲਾਂ ਦੀ ਅਦਾਇਗੀ ਕਰਨ ਸਬੰਧੀ ਪਿੰਡ ਹਕੂਮਤ ਸਿੰਘ ਵਾਲਾ, ਤਹਿਸੀਲ ਤੇ ਜਿਲ੍ਹਾ ਫਿਰੋਜ਼ਪੁਰ ।

ਹਵਾਲਾ:- ਆਪ ਜੀ ਦਾ ਪੱਤਰ ਨੰਬਰ 162/21-ਐਚ ਮਿਤੀ 19-05-2021 .

ਉਪਰੋਕਤ ਵਿਸੇ ਤੇ ਹਵਾਲੇ ਸਬੰਧੀ ਆਪ ਵਲੋਂ ਕੀਤੀ ਗਈ ਸਿਫਾਰਸ਼ ਅਨੁਸਾਰ ਸੁਖਬੀਰ ਐਗਰੋ ਐਨਰਜੀ ਲਿਮ: ਪਿੰਡ ਹਕੂਮਤ ਸਿੰਘ ਵਾਲਾ, ਤਹਿਸੀਲ ਤੇ ਜਿਲ੍ਹਾ ਫਿਰੋਜ਼ਪੁਰ ਲਈ ਸਰਹੰਦ ਫੀਡਰ ਨਹਿਰ ਦੀ ਬੁਰਜੀ 62009-ਐਲ ਤੇ ਲੱਗ ਮੋਘ ਦਾ ਡਿਸਚਾਰਜ 3.0 ਕਿਊਸਿਕ ਤੋਂ ਘਟਾਕੇ 1.0 ਕਿਊਸਿਕ ਬਲਕ ਸਪਲਾਈ ਦੀ ਮੰਨਜੂਰੀ ਹੇਠ ਲਿਖੀਆਂ ਸ਼ਰਤਾਂ ਦੇ ਅਧਾਰ ਤੇ ਦਿੱਤੀ ਜਾਂਦੀ ਹੈ :-

1) ਪਾਣੀ ਦੀ ਕੀਮਤ ਕੰਪਨੀ ਵੱਲੋਂ ਸਾਲ 2019-20 ਅਤੇ 2020-21 ਦੇ ਪੈਂਡਿੰਗ ਬਿੱਲਾਂ ਦੀ ਬਕਾਇਆ ਰਕਮ ਦਿੱਤੇ ਗਏ Indemnity Bond ਮੁਤਾਬਕ 10 ਕਿਸ਼ਤਾਂ ਵਿੱਚ ਮਹੀਨਾ ਮਈ-2021 ਤੋਂ ਫਰਵਰੀ-2022 ਦੌਰਾਨ ਜਮਾਂ ਕਰਵਾਉਣੀ ਪਵੇਗੀ।
2) ਪਾਣੀ ਦੀ ਕੀਮਤ ਵਾਧਾ ਹੋਣ ਤੇ ਉਸ ਵਾਧੇ ਦੀ ਦਰ ਨਾਲ ਰਕਮ ਜਮਾਂ ਕਰਵਾਉਣੀ ਪਵੇਗੀ।
3) ਜੇਕਰ ਪਾਣੀ ਮਿੱਥੇ ਗਏ ਮੰਤਵ ਤੋਂ ਇਲਾਵਾ ਕਿਸੇ ਹੋਰ ਮੰਤਵ ਲਈ ਵਰਤਿਆ ਗਿਆ ਤਾਂ ਉਸ ਹਾਲਤ ਵਿੱਚ ਪਾਣੀ ਦੀ ਸਪਲਾਈ ਬੰਦ ਕਰ ਦਿੱਤੀ ਜਾਵੇਗੀ।
4) ਕਿਸੇ ਕਾਰਣ ਪਾਣੀ ਦੀ ਸਪਲਾਈ ਬੰਦ ਹੋਣ ਦੀ ਸੂਰਤ ਵਿੱਚ ਸਿੰਚਾਈ ਵਿਭਾਗ ਕਿਸੇ ਨੁਕਸਾਨ/ਮੁਆਵਜਾ ਆਦਿ ਦੇਣ ਲਈ ਜ਼ਿਮੇਵਾਰ ਨਹੀਂ ਹੋਵੇਗਾ।
5) ਸਬੰਧਤ ਫਰਮ/ ਸੰਸਥਾ ਜੇਕਰ ਪੈਸੇ ਜਮਾਂ ਕਰਾਉਣ ਤੋਂ ਬਾਦ ਪਾਣੀ ਦੀ ਸਪਲਾਈ ਕਿਸੇ ਕਾਰਣ ਨਹੀਂ ਲੈਦਾ ਹੈ ਤਾਂ ਜਮਾਂ ਕਰਵਾਈ ਗਈ ਰਕਮ ਵਾਪਿਸ/ ਅਡਜਸਟ ਨਹੀਂ ਕੀਤੀ ਜਾਵੇਗੀ।

ਨਿਗਰਾਨ ਇੰਜੀਨੀਅਰ,
ਫਿਰੋਜਪੁਰ ਕੈਨਾਲ ਸਰਕਲ,
ਫਿਰੋਜਪੁਰ।

Scanned with CamScanner

Chapter – 5

WATER POLLUTION GENERATION & ITS MANAGEMENT

The effluent from Process section which includes Boiler Blow Down, reject from DM Plant and domestic effluent. The boiler blow down is taken into water reservoir, the reject from DM plant is used for plantation in the industry after pH correction in a tank. The industry generated domestic effluent @ 11.3 KLD on an average basis during the F.Y. 2023-24. The domestic effluent is used for plantation inside the industry after treatment in Sewage Treatment Plant (STP).

SEWAGE TREATMENT PLANT (STP)

The Sewage Treatment Plant (STP) installed by the industry for treatment of domestic effluent is based on biological treatment.The capacity of the Sewage Treatment Plant (STP)installed by the industry is 50 KLD.

The components of the Sewage Treatment Plant (STP) which have been installed are as under: -

1. Bar Screen
2. Oil & Grease Trap
3. Collection Tank
4. Aeration Tank
5. Anoxic Reactor
6. MBBR-1 & MBBR-2
7. Clarifier / Settler
8. MGF & ACF
9. Sludge Drying Beds

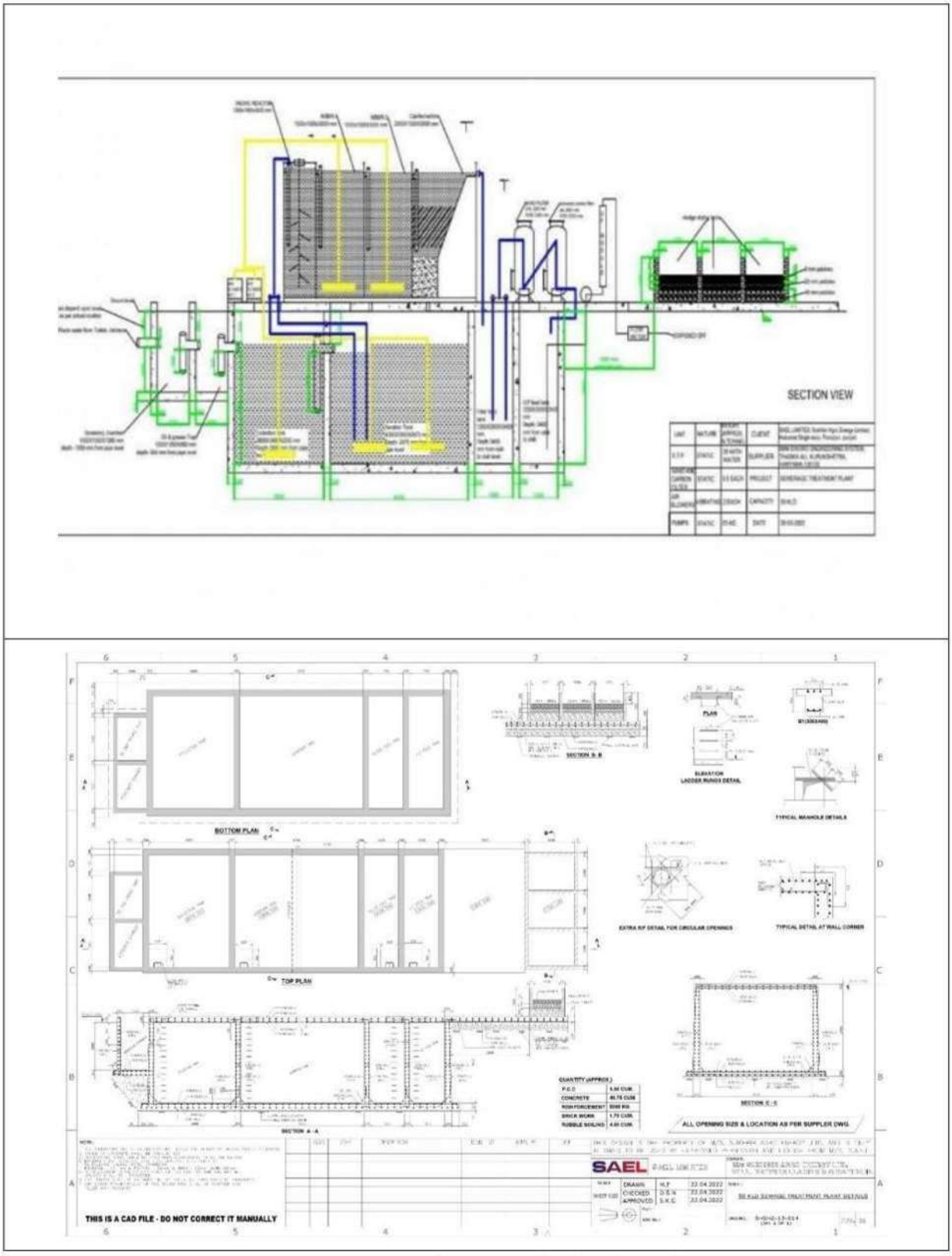


Fig: - 5.1 – Drawing of STP installed by the Industry

Chapter – 6

AIR POLLUTION GENERATION – ITS MANAGEMENT

The industry has installed 01 no. boiler of capacity 80 TPH for steam generation. In the boiler, paddy straw is used as fuel in the boiler furnace. The boiler was in operation during visit. Paddy straw @ 500 T/day (on average basis) is used as fuel in the boiler furnace. The boiler is provided with Electrostatic precipitator (ESP) as Air Pollution Control Device (APCD). The emissions are discharged through stack of 70.75 meter above ground level.

The industry has also installed 01 no. D.G. set of capacity 500 KVA. The D.G. set is provided with canopy. HSD is used as fuel in the D.G. set. The industry has provided adequate stack height of 4.5 meter above shed roof.

The industry is getting stack monitoring done from Board's Lab / NABL Accredited Laboratories.

Chapter – 7

HAZARDOUS WASTE GENERATION & ITS MANAGEMENT

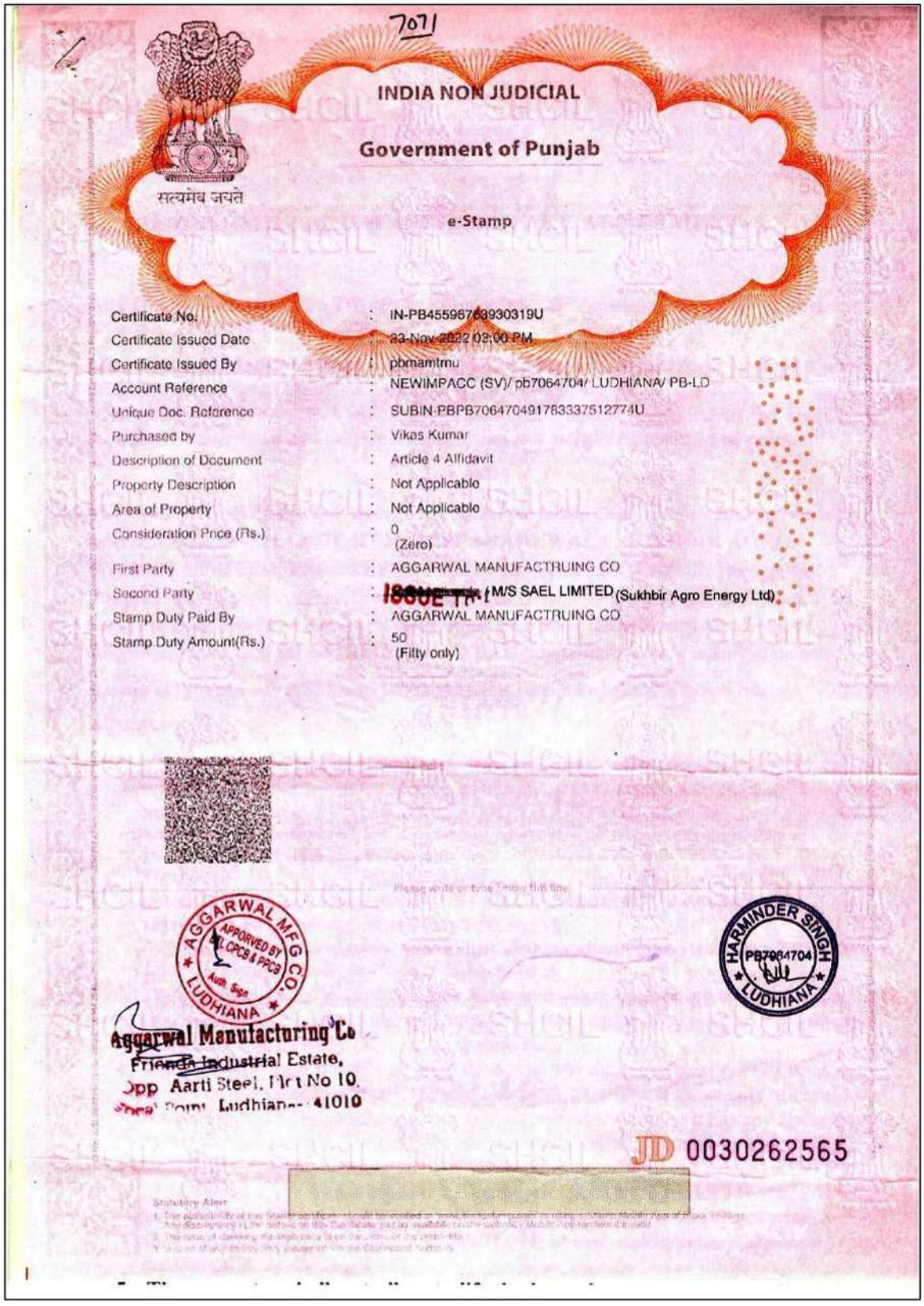
HAZARDOUS WASTE & DISPOSAL

The industry has been granted authorization forgeneration, storage and disposal of hazardous wastes under the Hazardous& Other Wastes (Management& Transboundary Movement) Rules, 2016 by Punjab Pollution Control Board. Detail is as follows: -

(a)	Number of Authorization	**HWM/Fresh/FZR/2023/20395485**
(b)	Date of Issue	18/01/2023
(c)	Date of Expiry	31/03/2027
(d)	Category of Hazardous Wastes	– 5.1 Used/Spent Oil (Schedule-I) @0.08 KL/Annum
(e)	Scale of Industry	Large Scale

The industry has made agreement waste with the Authorized RecyclerM/s Aggarwal Manufacturing Co. Friend's Industrial Estate opp. Aarti Steel, Plot no. 10, Focal Point, Ludhiana-141010 for the disposal of hazardous waste category 5.1 i.e. used / spent oil generated from the industry. The copy of the same is as per **Annexure – 7.1**.

Annexure – 7.1



7071

INDIA NON JUDICIAL

Government of Punjab

सत्यमेव जयते

e-Stamp

Certificate No.	:	IN-PB45596763930319U
Certificate Issued Date	:	23-Nov-2022 03:00 PM
Certificate Issued By	:	pbmamtmu
Account Reference	:	NEWIMPACC (SV)/ pb7064704/ LUDHIANA/ PB-LD
Unique Doc. Reference	:	SUBIN-PBPB70647049176333751277 4U
Purchased by	:	Vikas Kumar
Description of Document	:	Article 4 Affidavit
Property Description	:	Not Applicable
Area of Property	:	Not Applicable
Consideration Price (Rs.)	:	0 (Zero)
First Party	:	AGGARWAL MANUFACTRUING CO
Second Party	:	M/S SAEL LIMITED (Sukhbir Agro Energy Ltd)
Stamp Duty Paid By	:	AGGARWAL MANUFACTRUING CO
Stamp Duty Amount(Rs.)	:	50 (Fifty only)

AGGARWAL MFG CO. APPROVED BY PL CPCB & PPCB Auth. Sign LUDHIANA

Aggarwal Manufacturing Co
Friends Industrial Estate,
Opp Aarti Steel, Plot No 10,
Ludhiana- 41010

HARMINDER SINGH PB7064704 LUDHIANA

JD 0030262565

JD 0030262565

AGGARWAL MFG. CO. APPROVED BY CPCB & PPCB Auth. Sign. LUDHIANA

MEMBERSHIP AND WASTE OFFTAKE AGREEMENT

THIS MEMBERSHIP AND WASTE OFFTAKE AGREEMENT (hereinafter referred as "the agreement") made on **01 THE DAY OF DEC. 2022**

M/s Aggarwal Manufacturing Co., friend's industrial estate opp. Aarti steel, plot no 10, focal point, Ludhiana-141010 a partnership firm owned by **Sh. Vikas Kumar** hereinafter referred to as the 'recycler' which expression shall, unless repugnant to the context or meaning thereof, mean and include its successors and assigns represented by partner.

AND

M/S- SAEL LIMITED a firm incorporated under the Indian Companies act 2013 and having its registered office AT-VILLAGE HUKUMAT SINGH WALA, SUKHBIR AGRO ENERGY LIMITED, FEROZEPUR MOGA ROAD, FEROZEPUR, Ferozepur, Punjab, 142052 (herein after referred to as the "generator" which expression shall unless repugnant to the context or meaning thereof, mean and include its successors and permitted assigns) represented by SH. **SUDHANSHU JINDAL** duly authorized vide authorization letter.

(Recycler and generator may be hereinafter individually referred to as 'Party' and collectively as 'parties'

WHEREAS

1. The generator desires to get its hazardous waste **(according to category no 5.1 of schedule-1)** being generated at their production unit(s) mentioned above as their valid authorization **from PUNJAB POLLUTION CONTROL BOARD.** to be collected transported, treated, stored and disposed of by recycle, to which recycle has agreed, on the terms and conditions in this agreement.
2. The recycler has been registered by central pollution board. (Ministry of environmental and forests govt. of India) vide registration No. **REG/PPCB/2016-21/F-94 valid up to for every year as recycler.** The recycler has been authorized by
   Punjab pollution control board by **authorization No: HWM/RENEW/LDH-1/2021/15690619 dated :30-04-2021 to 30-06-2026**
3. The generator will allow lifting of the hazardous waste **(according to category no 5.1 of schedule-1)** only to recycler and not to any other vendor. However, no transportation cost shall be charged by recycler from generator.
4. The generator shall provide all hazardous waste to the recycler as per the rules upon receipt of the hazardous waste, the recycler shall determine if the details of hazardous waste as provided by generator accurately describes the waste or it has any discrepancy in weight piece count (for batch or containerized waste shipment, one container per truck load), or waste type are considered significant and should be noted on all copies of the details at the time of signature. The recycler shall try to reconcile the discrepancy with generator promptly. Any discrepancy not resolved within 15 days of waste receipt shall be reported by the recycler to PPCB with an explanatory letter and a copy of the manifest.KM
5. **The generator shall not allow to lift the hazardous waste to any other person**

AGGARWAL MFG. CO 0030256000021

JD 0030262565

AGGARWAL MFG CO. APPROVED BY PSPCB & PPCB Auth. Sign. LUDHIANA

6. **The recycler shall collect the hazardous waste from the premises of the generator**
7. PACKING AND LABELLING:

The generator shall ensure that the hazardous waste is packed in a manner which enables it suitable for storage and transporter and the labelling and packaging shall be easily visible and be able to withstand physical conditions and climate factors. Such packaging and labelling should be in full compliance of the rules.

8. In the event of false information to the recycler of any nature, all associated direct and indirect liabilities are the responsibility of the generator.
9. The recycler shall not accept hazardous waste of any type and variety for which it does not have the requisite authorization or capacity.
10. This agreement shall remain in force only from **01 DAY OF DEC. 2022 TILL 30 DAY OF NOV 2023.**
11. In the event any change and/or revision is made in the operating conditions financial implementation, etc. by or on the behest of a statutory authority, the same will be binding on the parties to this agreement.
12. This agreement may be modified or amended only by writing, duly executed by or on behalf of the parties to this agreement.
13. A person lifting the drum should have an authorization letter.

IN WITNESS WHEREOF the parties hereto have executed this agreement the day and year first hereinabove written.

0302560000021 AGGARWAL MFG. CO

For: AGGARWAL MFG CO.

For Aggarwal Mfg. Co

Partner

Authorized Signatory

AGGARWAL MFG CO. APPROVED BY PSPCB & PPCB Auth. Sign. LUDHIANA

Witness

Signature Sahs Lam Aggarwal

Name Sahs Lam Aggarwal

Address 56 C Sector Vihar Dugri Nagar Ludhiana

for – SAEL LIMITED

For SAEL LIMITED

Authorized Signatory Authorized Signatory

Witness

Signature _____

Name SUDHANSHU JINDAL

Address SAEL Ltd Village Sedda Singh Wala – 151 Tehsil – Jaito, Distt. Faridkot

Chapter – 8

SOLID WASTE GENERATION & ITS MANAGEMENT

The industry has major source of solid waste generation i.e. Boiler Ash generated from the boiler furnace. The industry generated 25362.84 MT of Boiler Ash during the year under report. The Boiler Ash generated from the industry is dumped inside the industry in low-lying areas for land filling purpose. The top is covered with the good earth soil.



Chapter – 9

STATUTORY PERMISSIONS

The industry has obtained the Consent to Operate under the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981 and the Authorisation under the Hazardous and Other Wastes (Management & Transboundary Movement) Rules, 2016 which are as under: -

- Consent to operate under the Water (Prevention & Control of Pollution) Act, 1974, granted from Punjab Pollution Control Board vide consent no. **CTOW/Fresh/FZR/2020/11828832** dated 24.01.2020 valid upto 31.03.2024 and further renewed vide consent no. **CTOW/Varied/PBIP/FZR/2024/2408267694** dated 26.09.2024 valid upto 31.03.2025 (Copy Attached)

- Consent to operate under the Air (Prevention & Control of Pollution) Act, 1981, granted from Punjab Pollution Control Board vide consent no. **CTOA/Fresh/FZR/2020/11828729** dated 24.01.2020 valid upto 31.03.2024 and further renewed vide consent no. **CTOA/Varied/PBIP/FZR/2024/2408999520** dated 26.09.2024 valid upto 31.03.2025 (Copy Attached)

- Authorization under the Hazardous and Other Wastes (Management & Transboundary Movement) Rules, 2016, granted from Punjab Pollution Control Board vide no. **HWM/Fresh/FZR/2023/20395485** dated 18.01.2023 valid upto 31.03.2027. (Copy Attached).

PUNJAB POLLUTION CONTROL BOARD

Zonal Office, Power House Road, Street No. 12, Bathinda

Website:- www.ppcb.gov.in

Office Dispatch No :	**Registered/Speed Post**	**Date:**	
Industry Registration ID:	*R18FZR731449*	**Application No :**	*11828832*

To,

Jasbir Singh Awla
Sukhbir Agro Energy Limited, A-4, 2nd Floor, Green Park Main, New Delhi
Newdelhi,Newdelhi-110016

Subject: Grant of 'Consent to Operate'an outlet u/s 25/26 of Water (Prevention & Control of Pollution) Act, 1974 for discharge of effluent.

With reference to your application for obtaining 'Consent to Operateï¿½ an outlet for discharge of the effluent u/s 25/26 of Water (Prevention & Control of Pollution) Act, 1974, you are, hereby, authorized to operate an industrial unit fordischarge of the effluent(s) arising out of your premises subject to the Terms and Conditions as mentioned in this Certificate.

1. Particulars of Consent to Operate under Water Act, 1974 granted to the industry

Consent to Operate Certificate No.	*CTOW/Fresh/FZR/2020/11828832*
Date of issue :	*24/01/2020*
Date of expiry :	*31/03/2024*
Certificate Type :	*Fresh*

2. Particulars of the Industry

Name & Designation of the Applicant	*Sudhanshu Jindal, (Manager Account)*
Address of Industrial premises	*Sukhbir Agro Energy Limited, Village Hakumat Singh Wala,ferozepur , Ferozepur,Ferozepur-142052*
Capital Investment of the Industry	*14394.0 lakhs*
Category of Industry	*Red*
Type of Industry	*1009-Power generation plant (except Wind and Solar renewable power plants of all capacities and Mini Hydel power plant of capacity <25MW)*
Scale of the Industry	*Large*
Office District	*Ferozepur*
Consent Fee Details	Rs. 7,20,000/- vide UTR. no. 949965120 dt. 06.12.2019
Raw Materials(Name with quantity per day)	*Biomass (Paddy Straw) @ 17 TPH*
Products (Name with quantity per day)	*Electricity / Electric Power @ 18 MW*
By-Products, if any,(Name with quantity per day)	--
Details of the machinary and processes	*Fuel (paddy straw) - boiler furnace - steam generation - turbine - electric power to grid.*

"This is computer generated document from OCMMS by PPCB"
Sukhbir Agro Energy Limited,Village Hakumat Singh Wala,ferozepur ,Ferozepur,Ferozepur,142052
Page1

Details of the Effluent Treatment Plant	*Neutralization tank - for reject generated from the D.M. Plant.* *Settling tank - for the blow downs generated from the boiler and the cooling towers.*
Mode of Disposal	*Trade effluent @ 270 Kl/day - Treated effluent from neutralization tank and settling tank disposed of partially onto land for plantation developed in an area of 14.3 acres and partially for ash quenching.* *Domestic effluent @ 15 Kl/day – Onto land for plantation after treatment in a septic tank*
Standards to be achieved under Water(Prevention & Control of Pollution) Act, 1974	*As prescribed by the PPCB/CPCB/MOEF.*

24/01/2020

(Ruby Sidhu)
Asstt Environmental Engineer
For & on behalf
of
(Punjab Pollution Control Board)

Endst. No.: **Dated:**

A copy of the above is forwarded to the following for information and necessary action please:

Environmental Engineer, Punjab Pollution Control Board, Regional Office, Faridkot

24/01/2020

(Ruby Sidhu)
Asstt Environmental Engineer
For & on behalf
of
(Punjab Pollution Control Board)

"This is computer generated document from OCMMS by PPCB"
Sukhbir Agro Energy Limited,Village Hakumat Singh Wala,ferozepur ,Ferozepur,Ferozepur,142052
Page2

TERMS AND CONDITIONS

A. GENERAL CONDITIONS

1. This consent is not valid for getting power load from the Punjab State Power Corporation Limited or for getting loan from the financial institutions.
2. The industry shall apply for renewal/further extension in validity of consent atleast two months before expiry of the consent.
3. The industry shall ensure that the effluent discharging through the authorized outlet shall confirm to the prescribed standards as applicable from time to time.
4. The industry shall plant minimum of three suitable varieties of trees at the density of not less than 1000 trees per hectare all along the boundary of the industrial premises.
5. The achievement of the adequacy and efficiency of the effluent treatment plant/pollution control devices/re-circulation system installed shall be the entire responsibility of the industry.
6. The industry shall ensure that the Hazardous Wastes generated from the premises are handled as per the provisions of the Hazardous Wastes(Management, Handling and Trans boundary Movement) Rules, 2008 as amended time to time , without any adverse effect on the environment, in any manner
7. The responsibility to monitor the effluent discharged from the authorized outlet and to maintain a record of the same rests with the industry. The Board shall only test check the accuracy of these reports for which the industry shall deposit the samples collection and testing fee with the Board as and when required.
8. The industry shall submit balance sheet of every financial year to the concerned Regional Office by 30th June of every year.
9. The industry shall submit a yearly certificate to the effect that no addition/up-gradation/ modification/ modernization has been carried out during the previous year otherwise the industry shall apply for the varied consent.
10. During the period beginning from the date of issuance and the date of expiration of this consent, the applicant shall not discharge floating solids or visible foam.
11. Any amendments/revisions made by the Board in the tolerance limits for discharges shall be applicable to the industry from the date of such amendments/revisions.
12. The industry shall not change or alter the manufacturing process(es) so as to change the quality and/or quantity of the effluents generated without the written permission of the Board.
13. Any upset conditions in the plant/plants of the factory, which is likely to result in increased effluent and/or result in violation of the standards lay down by the Board shall be reported to the Environmental Engineer, Punjab Pollution Control Board of concerned Regional Office immediately failing which any stoppage and upset conditions that come to the notice of the Board/its officers, will be deemed to be intentional violation of the conditions of consent.
14. The industry shall provide terminal manhole(s) at the end of each collection system and a manhole upstream of final outlet (s) out of the premises of the industry for measurement of flow and for taking samples.
15. The industry shall for the purpose of measuring and recording the quantity of water consumed and effluent discharged, affix meters of such standards and at such places as approved by the Environmental Engineer, Punjab Pollution Control Board of the concerned Regional Office.
16. The industry shall maintain record regarding the operation of effluent treatment plant i.e. record of quantity of chemicals and energy utilized for treatment and sludge generated from treatment so as to satisfy the Board regarding regular and proper operation of pollution control equipment.
17. The industry shall provide online monitoring equipmentï¿½s for the parameters as decided by concerned Regional Office with the effluent treatment plant/air pollution control devices installed, if applicable.
18. The pollution control devices shall be interlocked with the manufacturing process of the industry.
19. The authorized outlet and mode of disposal shall not be changed without the prior written permission of the Board.
20. The industry shall comply with the conditions imposed by the SEIAA / MOEF in the environmental clearance granted to it as required under EIA notification dated14/9/06, if applicable.
21. The industry shall obtain and submit Insurance cover as required under the Public Liability Insurance Act, 1991.
22. The industry shall not use any unauthorized out-let(s) for discharging effluents from its premises. All unauthorized outlets, if any, shall be connected to the authorized outlet within one month from the date of issue of this consent.

"This is computer generated document from OCMMS by PPCB"
Sukhbir Agro Energy Limited,Village Hakumat Singh Wala,ferozepur ,Ferozepur,Ferozepur,142052
Page3

23. The industry shall make necessary arrangements for the monitoring of effluent being discharged by the industry and shall monitor its effluents:-

    (i) Once in Year for Small Scale Industries.

    (ii) Four in a Year for Large/Medium Scale Industries.

    (iii) The industry will submit monthly reading/ data of the separate energy meter installed for running of effluent treatment plant/re-circulation system to the concerned Regional Office of the Board by the 5th of the following month.

24. The industry shall provide electromagnetic flow meters at the source of water supply, at inlet/outlet of effluent treatment plant within one month and shall maintain the record of the daily reading and submit the same to the concerned Regional Office by the 5th of the following month.

25. The Board reserves the right to revoke this consent at any time in case the industry is found violating any of the conditions of this consent and/or the provisions of Water (Prevention & Control of Pollution) Act, 1974 as amended from time to time.

26. The issuance of this consent does not convey any property right in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Central, State or Local Laws or Regulations.

27. The consent does not authorize or approve the construction of any physical structures or facilities for undertaking of any work in any natural watercourse.

28. Nothing in this consent shall be deemed to neither preclude the institution of any legal action nor relieve the applicant from any responsibilities, liabilities or penalties to which the applicant is or may be subjected under this or any other Act.

29. The industry shall make necessary and adequate arrangements to hold back the effluent in case of failure of septic tank.

30. The diversion or bye pass of any discharge from facilities utilized by the applicant to maintain compliance with the terms and conditions of this consent is prohibited except.

    (i) Where unavoidable to prevent loss of life or some property damage or

    (ii) Where excessive storm drainage or run off would damage facilities necessary for compliance with terms and conditions of this consent. The applicant shall immediately notify the consent issuing authority in writing of each such diversion or bye-pass.

31. The industry shall ensure that no water pollution problem is created in the area due to discharge of effluents from its industrial premises.

32. The industry shall comply with the code of practice as notified by the Government/ Board for the type of industries where the siting guidelines/ code of practice have been notified.

33. Solids, sludge, filter backwash or other pollutant removed from or resulting from treatment or control of waste waters shall be disposed off in such a manner to prevent any pollutants from such materials from entering into natural water.

34. The industry shall re-circulate the entire cooling water and shall also re-circulate/reuse to the maximum extent the treated effluent in processes

35. The industry shall make necessary and adequate arrangements to hold back the effluent in case of failure of re-circulation system/ effluent treatment plant.

36. The industry shall make proper disposal of the effluent so as to ensure that no stagnation occurs inside and outside the industrial premises during rainy season and no demand period.

37. Where excessive storm water drainage or run off, would damage facilities necessary for compliance with terms and conditions of this consent, the applicant shall immediately notify the consent issuing authority in writing of each such diversion or bye-pass.

38. The industry shall submit a detailed plan showing therein the distribution system for conveying waste-water for application on land for irrigation along with the crop pattern for the year.

39. The industry shall ensure that the effluent discharged by it is toxicity free.

40. The industry shall not irrigate the vegetable crops with the treated effluents which are used/ consumed as raw.

41. Drains causing oil & grease contamination shall will be segregated. Oil & grease trap shall be provided to recover oil & grease from the effluent.

"This is computer generated document from OCMMS by PPCB"
Sukhbir Agro Energy Limited,Village Hakumat Singh Wala,ferozepur ,Ferozepur,Ferozepur,142052
Page4

42. The industry shall establish sufficient number of piezometer wells in consultation with the concerned Regional Office, of the Board to monitor the impact on the Ground Water Quantity due to the industrial operations, and the monitoring shall be submitted to the Environmental Engineer of the concerned Regional Office by the 5th of every month.

43. The industry shall ensure that its production capacity & quantity of trade effluent do not exceed the quantity mentioned in the consent and shall not carry out any expansion without the prior permission/NOC of the Board.

B. SPECIAL CONDITIONS

1. The industry will not transport its raw material (bio mass) / fuel (paddy straw) from more than 50 km radial distance (except through railways) at the site of the industry as per the condition of Environmental Clearance granted to it.
2. The industry will install sewerage treatment plant for treatment of domestic effluent to be generated from the labour quarters as per the condition of Environmental Clearance.
3. The industry will submit the details of Environment Cell constituted by the industry within one month.
4. The industry will comply with all the conditions of the Environmental Clearance granted to it vide no. DECC/SEIAA/2019/962 dt. 02.12.2019.



24/01/2020

(Ruby Sidhu)
Asstt Environmental Engineer
For & on behalf
of
(Punjab Pollution Control Board)

PUNJAB

"This is computer generated document from OCMMS by PPCB"
Sukhbir Agro Energy Limited,Village Hakumat Singh Wala,ferozepur ,Ferozepur,Ferozepur,142052
Page5

PUNJAB POLLUTION CONTROL BOARD
Invest Punjab, PBIP, Udyog Bhawan, Sector 17, Chandigarh
Website:- www.ppcb.gov.in

Office Dispatch No.: PBIP/PPCB/2024/1673 Date: 26-09-2024.

To

JASBIR SINGH
A-4, IIND FLOOR
SOUTH, NULL - 110016

Subject:- Grant Varied 'Consent to Operate' an Outlet u/s 25/26 of Water (Prevention & Control of Pollution) Act, 1974 for discharge of Effluent.

With reference to your application for obtaining Varied 'Consent to Operate' an outlet for discharge of the effluent u/s 25/26 of Water (Prevention & Control of Pollution) Act,1974, you are, hereby, authorized to operate an industrial unit for discharge of the effluent(s) arising out of your premises subject to the Terms and Conditions as mentioned in this Certificate.

1. Particulars of Consent to Operate under Water Act,1974 granted to the Industry:

PIN	1808336175
Application No.:	2408267694
Date of Issue:	26-Sept-2024
Date of Expiry:	31-Mar-2025
Certificate Type:	Varied
Certificate No:	CTOW/Varied/PBIP/FZR/2024/2408267694

2. Particulars of the Industry:

Name & Designation of the Applicant:	Jasbir Singh, (Director)
Name of Business Entity	SAEL LIMITED
Name of the Project/Unit:	SAEL LIMITED
Address of Project/Unit:	Village Hakumat Singh Wala, District Ferozepur , Firozpur , Firozepur
Capital Investment of the Industry(in lakhs):	11992
Category of Industry:	Red
Type of Industry:	1009 - Power generation plant (except Wind and Solar renewable power plants of all capacities and Mini Hydel power plant of capacity <25MW)
Scale of the Industry:	Large - > Rs. 50 Crore
Office District:	Ferozepur
Consent Fee Details:	Rs. 7,20,500/- vide Ref. No. 663581098 dated 08.07.2024
Raw Materials (Name with quantity per day):	Biomass (Paddy Straw) @ 17 TPH

PUNJAB POLLUTION CONTROL BOARD

Zonal Office, Power House Road, Street No. 12, Bathinda

Website:- www.ppcb.gov.in

Office Dispatch No :	**Registered/Speed Post**	**Date:**	
Industry Registration ID:	*R18FZR731449*	**Application No :**	*11828729*

To,

Sudhanshu Jindal
Sukhbir Agro Energy Limited, A-4, 2nd Floor, Green Park Main, New Delhi
Newdelhi,Newdelhi-110016

Subject: **Grant of 'Consent to Operate' u/s 21 of Air (Prevention & Control of Pollution) Act, 1981 for discharge of emissions arising out of premises.**

With reference to your application for obtaining 'Consent to Operate' u/s 21 of Air (Prevention & Control of Pollution) Act, 1981, you are hereby, authorized to operate an industrial unit for discharge of the emission(s) arising out of your premises subject to the Terms and Conditions as mentioned in this Certificate.

1. Particulars of Consent to Operate under Air Act, 1981 granted to the industry

Consent to Operate Certificate No.	*CTOA/Fresh/FZR/2020/11828729*
Date of issue :	*24/01/2020*
Date of expiry :	*31/03/2024*
Certificate Type :	*Fresh*

2. Particulars of the Industry

Name & Designation of the Applicant	*Sudhanshu Jindal, (Manager Account)*
Address of Industrial premises	*Sukhbir Agro Energy Limited, Village Hakumat Singh Wala,ferozepur , Ferozepur,Ferozepur-142052*
Capital Investment of the Industry	*14394.0 lakhs*
Category of Industry	*Red*
Type of Industry	*1009-Power generation plant (except Wind and Solar renewable power plants of all capacities and Mini Hydel power plant of capacity <25MW)*
Scale of the Industry	*Large*
Office District	*Ferozepur*
Consent Fee Details	Rs. 7,20,000/- vide R. No. 361845396 dated 06.12.2019
Raw Materials (Name with Quantity per day)	*Biomass (Paddy Straw) @ 17 TPH*
Products (Name with Quantity per day)	*Electricity / Electric Power @ 18 MW*
By-products, if any, (Name with Quantity per day)	--
Details of the machinery and process	*Fuel (paddy straw) - boiler furnace - steam generation - turbine - electric power to grid.*

"This is computer generated document from OCMMS by PPCB"
Sukhbir Agro Energy Limited,Village Hakumat Singh Wala,ferozepur ,Ferozepur,Ferozepur,142052
Page1

Quantity of fuel required (in TPD) and capacity of boilers/ Furnace/Thermo heater etc.	*Paddy Straw @ 17 TPH for boiler of capacity 80 TPH.* *HSD for DG set of capacity 380 KVA.*
Type of Air Pollution Control Devices to be installed	*4 stage bag filter house installed as APCD with the boiler furnace of capacity 80 TPH* *Canopy with DG set*
Stack height provided with each boiler/thermo heater/Furnace etc.	*Stack of height 70 meter above GL has been provided with the boiler furnace of capacity 80 TPH* *Stack of height 4 meter above roof level with DG set*
Sources of emissions and type of pollutants	*Boiler of capacity 80 TPH* *DG set of capacity 380 KVA*
Standards to be acheived under Air(Prevention & Control of Pollution) Act, 1981	*As prescribed by the PPCB/CPCB/MOEF.*

PUNJAB

24/01/2020

(Ruby Sidhu)
Asstt Environmental Engineer
For & on behalf
of
(Punjab Pollution Control Board)

Endst. No.: **Dated:**

A copy of the above is forwarded to the following for information and necessary action please:
Environmental Engineer, Punjab Pollution Control Board, Regional Office, Faridkot

24/01/2020

(Ruby Sidhu)
Asstt Environmental Engineer
For & on behalf
of
(Punjab Pollution Control Board)

"This is computer generated document from OCMMS by PPCB"
Sukhbir Agro Energy Limited,Village Hakumat Singh Wala,ferozepur ,Ferozepur,Ferozepur,142052
Page2

TERMS AND CONDITIONS

A. GENERAL CONDITIONS

1. This consent is not valid for getting power load from the Punjab State Power Corporation Ltd. or for getting loan from the financial institutions.
2. The industry shall apply for renewal /extension of consent at least two months before expiry of the consent.
3. The industry shall not violate any of the norms prescribed under the Air (Prevention & Control of Pollution) Act, 1981, failing which, the consent shall be cancelled / revoked.
4. The achievement of adequacy and efficiency of the air pollution control devices installed shall be the entire responsibility of the industry
5. The authorized fuel being used shall not be changed without the prior written permission of the Board.
6. The industry shall not discharge any fugitive emissions. All gases shall be emitted through a stack of suitable height, as per the norms fixed by the Board from time to time.
7. The industry shall provide port-holes, platforms and/or other necessary facilities as may be required for collecting samples of emissions from any chimney, flue or duct or any other outlets.

   Specifications of the port-holes shall be as under:-

   i) The sampling ports shall be provided atleast 8 times chimney diameter downstream and 2 times upstream from the flow disturbance. For a rectangular cross section the equivalent diameter (De) shall be calculated from the following equation to determine upstream, downstream distance:-

   De = 2 LW / (L+W)

   Where L= length in mts. W= Width in mts.

   ii) The sampling port shall be 7 to 10 cm in diameter
8. The industry shall put display Board indicating environmental data in the prescribed format at the main entrance gate.
9. The industry shall discharge all gases through a stack of minimum height as specified in the following standards laid down by the Board.

   (i) Stack height for boiler plants

S.NO.	Boiler with Steam Generating Capacity	Stack heights
1.	*Less than 2 ton/hr.*	9 meters or 2.5 times the height of neighboring building which ever is more
2.	*More than 2 ton/hr. to 5 ton/hr.*	12 meters
3.	*More than 5 ton/hr. to 10 ton/hr*	15 meters
4.	*More than 10 ton/hr. to 15 ton/hr*	18 meters
5.	*More than 15 ton/hr. to 20 ton/hr*	21 meters
6.	*More than 20 ton/hr. to 25 ton/hr.*	24 meters
7.	*More than 25 ton/hr. to 30 ton/hr.*	27 meters
8.	*More than 30 ton/hr.*	30 meters or using the formula H = 14 Qg0.3or H = 74 (Qp)0.24 Where Qg = Quantity of SO2 in Kg/hr. Qp = Quantity of particulate matter in Ton/day.

Note : Minimum Stack height in all cases shall be 9.0 mtr. or as calculated from relevant formula whichever is more.

(ii) For industrial furnaces and kilns, the criteria for selection of stack height would be based on fuel used for the corresponding steam generation.

(iii) Stack height for diesel generating sets:

Capacity of diesel generating set	Height of the Stack	
0-50 KVA	Height of the building	+ 1.5 mt
50-100 KVA	□□-do-	+ 2.0 mt.
100-150 KVA	□□-do-	+ 2.5 mt.
150-200 KVA	□□-do-	+ 3.0 mt.
200-250 KVA	□□-do-	+ 3.5 mt.
250-300 KVA	□□ -do-	+ 3.5 mt.

For higher KVA rating stack height H (in meter) shall be worked out according to the formula:

$$H = h+0.2 (KVA)0.5$$

where h = height of the building in meters where the generator set is installed.

10. The pollution control devices shall be interlocked with the manufacturing process of the industry to ensure its regular operation.

11. The existing pollution control equipment shall be altered or replaced in accordance with the directions of the Board, and no pollution control equipment or chimney shall be altered or as the case may be erected or re-erected except with the prior approval of the Board.

12. The industry will provide canopy and adequate stack with the D.G sets so as to comply with the provision of notification No GSR-371 E dated 17-5-2002(amended from time to time) issued by MOEF under Environment (Protection) Act, 1986.

13. The Govt. of Punjab, Department of Science, Technology & Environment vide its notification no.4/46/92-3ST/2839 dt. 29/12/1993 has put prohibition on the use of rice husk as fuel after 1.4.1995 except the following:-

ï¿½In the form of briquettes and use of rice husk in fluidized bed combustion.So the industry shall make the necessary arrangement to comply with the above notification.ï¿½

14. The industry shall submit balance sheet of every financial year to the concerned Regional Office by 30th June of every year

15. That the industry shall submit a yearly certificate to the effect that no addition / up-gradation/ modification/ modernization has been carried out during the previous year otherwise the industry shall apply for the varied consent.

16. a) The industry shall ensure that at any time the emission do not exceed the prescribed emissions standards laid down by the Board from time to time for such type of industry /emissions.

    b) The industry shall ensure that the emissions from each stack shall conform to the following emission standards laid down by the Board in respect of the Industrial Boilers.

Steam Generating capacity A.	*Required particulate matter B.*	
Area upto 5 Km from Other than the periphery of I and Class-II town	*Other than 'A' class*	
Less than 2 ton/hr.	800 mg/NM3	1200 mg/NM3
2 ton to 10 ton/hr.	500 mg/NM3	1000 mg/NM3
Above 10 ton to 15 ton/hr	350 mg/NM3	500 mg/NM3
Above 15 ton/hr	150 mg/NM3	150 mg/NM3

All emissions normalized to 12% carbon dioxide.

17. The industry shall ensure that the Hazardous Wastes generated from the premises are handled as per the provisions of theHazardous Waste (Management, Handling and Transboundary Movement) Rules, 2008, without any adverse effect on the environment, in any manner.

18. The air pollution control equipments shall be kept at all time in good running condition and;

(i) All failures of control equipments.

(ii) The emissions of any air pollutant into the atmosphere in excess of the standards lay down by the Board occurring or being apprehended to occur due to accident or other unforeseen act or event. 'Shall be intimated through fax to the concerned Regional Office as well as to the Director of Factories, Punjab, Chandigarh as required under rule 10 of the Punjab State Board for the Prevention and Control of Air Pollution Rules, 1983'.

19. The industry shall plant minimum of three suitable varieties of trees at the density of not less than 1000 trees per hectare all along the boundary of the industrial premises.

20. The industry shall submit a site emergency plan approved by the Chief Inspector of Factories, Punjab as applicable.

21. The industry shall comply with the conditions imposed by the SEIAA/MOEF in the Environmental Clearance granted to it as required under EIA notification dated 14/9/06, if applicable.

22. The industry shall make necessary arrangements for the monitoring of stack emissions and shall get its emissions analyzed from lab approved / authorized by the Board:-

(i) Once in Year for Small Scale Industries.

(ii) Twice/thrice/four time in a Year for Large/Medium Scale Industries.

23. The industry shall maintain the following record to the satisfaction of the Board :-

(i) Log books for running of air pollution control devices or pumps/motors used for it.

(ii) Register showing the result of various tests conducted by the industry for monitoring of stack emissions and ambient air.

(iii) Register showing the stock of absorbents and other chemicals to be used for scrubbers.

24. The industry will install the separate energy meter for running pollution control devices and shall maintain record with respect to operation of air pollution control device so as to the satisfy the Board regarding the regular operation of air pollution control device and monthly reading / record may be sent to the Board by the fifth of the following month.

25. The industry shall provide online monitoring system as applicable, for in stack emission and shall maintain the record of the same for inspection of the Board Officers.

26. The Board reserves the right to revoke the consent granted to the industry at any time, in case the industry is found violating the provisions of Air (Prevention & Control of Pollution) Act, 1981 as amended from time to time.

27. The industry shall comply with any other conditions laid down or directions issued in due course by the Board under the provisions of the Air (Prevention & Control of Pollution) Act, 1981.

28. Nothing in this consent shall be deemed to neither preclude the institution of any legal action nor relieve the applicant from any responsibilities, liabilities or penalties to which the applicant is or may be subjected to under this or any other Act.

29. Any amendments/revisions made by the Board/CPCB/MOEF in the emission/stack height standards shall be applicable to the industry from the date of such amendments/revisions.

30. The industry shall dispose off its solid waste generated by the burning of fuel in an Environmentally Sound Manner within the premises/outside as approved by the Board, to avoid public nuisance and air pollution problem in the area.

31. The industry shall ensure that no air pollution problem or public nuisance is created in the area due to the discharge of emissions from the industry.

32. The industry shall provide adequate arrangement for fighting the accidental leakage/discharge of any air pollutant/gas/ liquids from the vessels, mechanical equipment's etc, which are likely to cause environmental pollution.

33. The industry shall not change or alter the manufacturing process(es) and fuel so as to change the quality/quantity of emissions generated without the prior permission of the Board.

34. The industry shall earmark a land within their premises for disposal of boiler ash in an environmentally sound manner, and / or the industry shall make necessary arrangements for proper disposal of fuel ash in a scientific manner and shall maintain proper record for the same, if applicable.

35. The industry shall obtain and submit Insurance cover under the Public Liability Insurance Act, 1991.

36. The industry shall provide proper and adequate air pollution control arrangements for control emission from its fuel handling area, if applicable.

"This is computer generated document from OCMMS by PPCB"
Sukhbir Agro Energy Limited,Village Hakumat Singh Wala,ferozepur ,Ferozepur,Ferozepur,142052
Page5

37. The industry shall comply with the code of practice as notified by the Government/Board for the type of industries where the siting guidelines / Code of Practice have been notified.
38. The industry shall not cause any nuisance/traffic hazard in vicinity of the area
39. The industry shall ensure that the noise & air emission from D.G. sets do not exceed the standards prescribed for D.G. sets by the Ministry of Environment & Forests, New Delhi.
40. The industry shall ensure that there will not be significant visible dust emissions beyond the property line
41. The industry shall provide adequate and appropriate air pollution control devices to contain emissions from handling, transportation and processing of raw material & product of the industry.
42. The Industry shall ensure that its production capacity does not exceed the capacity mentioned in the consent and shall not carry out any expansion without the prior permission / NOC of the Board.

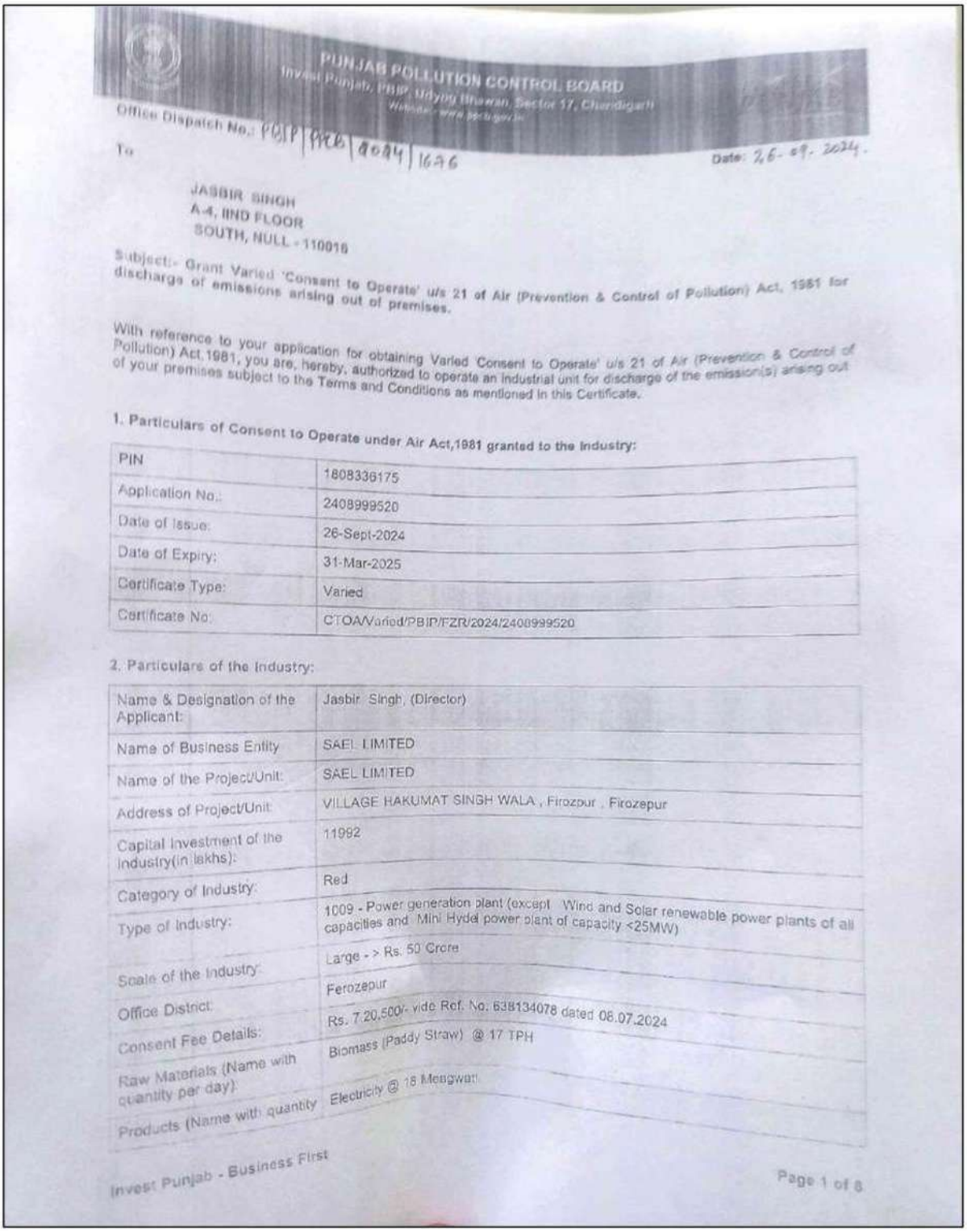
B. SPECIAL CONDITIONS

1. In case of failure to achieve the prescribed emission standards with the bag filter house as APCD, the industry will replace the bag filter house with ESP or better technology as prescribed by MoEF& CC, within a period of six months.
2. The industry will not use paddy straw (fuel) having ash content more than 15 % and it will submit fuel analysis reports to the Board time to time.
3. The industry will not transport its raw material (bio mass) / fuel (paddy straw) from more than 50 km radial distance (except through railways) at the site of the industry as per the condition of Environmental Clearance granted to it.
4. The industry will install continuous ambient air quality monitoring station for SPM, SO2 and NOx at one place within the plant premises and manual stations at three other locations outside plant area within 03 months as per the condition of Environmental Clearance.
5. The industry will install sewerage treatment plant for treatment of domestic effluent to be generated from the labour quarters as per the condition of Environmental Clearance.
6. The industry will utilize fuel ash as per the conditions of MoEF & CC.
7. The industry will submit the details of Environment Cell constituted by the industry within one month.
8. The industry will comply with all the conditions of the Environmental Clearance granted to it vide no. DECC/SEIAA/2019/962 dt. 02.12.2019.

24/01/2020

(Ruby Sidhu)
Asstt Environmental Engineer
For & on behalf
of
(Punjab Pollution Control Board)

"This is computer generated document from OCMMS by PPCB"
Sukhbir Agro Energy Limited,Village Hakumat Singh Wala,ferozepur ,Ferozepur,Ferozepur,142052
Page6



PUNJAB POLLUTION CONTROL BOARD
Invest Punjab, PBIP, Udyog Bhawan, Sector 17, Chandigarh
Website: www.pbcbgov.in

Office Dispatch No.: PPCB/PBIP/2024/1696 Date: 26-09-2024.

To

JASBIR SINGH
A-4, IIND FLOOR
SOUTH, NULL - 110016

Subject:- Grant Varied 'Consent to Operate' u/s 21 of Air (Prevention & Control of Pollution) Act, 1981 for discharge of emissions arising out of premises.

With reference to your application for obtaining Varied 'Consent to Operate' u/s 21 of Air (Prevention & Control of Pollution) Act,1981, you are, hereby, authorized to operate an industrial unit for discharge of the emission(s) arising out of your premises subject to the Terms and Conditions as mentioned in this Certificate.

1. Particulars of Consent to Operate under Air Act,1981 granted to the Industry:

PIN	1808336175
Application No.:	2408999520
Date of Issue:	26-Sept-2024
Date of Expiry:	31-Mar-2025
Certificate Type:	Varied
Certificate No:	CTOA/Varied/PBIP/FZR/2024/2408999520

2. Particulars of the Industry:

Name & Designation of the Applicant:	Jasbir Singh, (Director)
Name of Business Entity	SAEL LIMITED
Name of the Project/Unit:	SAEL LIMITED
Address of Project/Unit:	VILLAGE HAKUMAT SINGH WALA , Firozpur , Firozepur
Capital Investment of the industry(in lakhs):	11992
Category of Industry:	Red
Type of Industry:	1009 - Power generation plant (except Wind and Solar renewable power plants of all capacities and Mini Hydel power plant of capacity <25MW)
Scale of the Industry:	Large - > Rs. 50 Crore
Office District:	Ferozepur
Consent Fee Details:	Rs. 7,20,500/- vide Ref. No. 638134078 dated 08.07.2024
Raw Materials (Name with quantity per day):	Biomass (Paddy Straw) @ 17 TPH
Products (Name with quantity	Electricity @ 18 Megawatt

Invest Punjab - Business First

Page 1 of 8

PUNJAB POLLUTION CONTROL BOARD

Zonal Office, Power House Road, Street No. 12, Bathinda

Website:- www.ppcb.gov.in

Office Dispatch No :	**Registered/Speed Post**	**Date:**
Industry Registration ID :	*R18FZR731449*	**Application No :** *20395485*

To,

Jasbir Singh Awla
SUKHBIR AGRO ENERGY LIMITED, A-4, 2nd Floor, Green Park Main, New Delhi
NewDelhi,NewDelhi-110016

Subject: **Fresh Authorization for operating a facility for Collection, Generation, Storage, Disposal, of Hazardous Wastes as per the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 .**

Jasbir Singh Awla of Sukhbir agro energy limited is hereby granted an authorisation based on the enclosed signed inspection report for Collection, Generation, Storage, Disposal, on the premises situated at Village hakumat singh wala,ferozepur , Ferozepur, Ferozepur-142052

1. Particulars of Authorization granted to the Industry

Authorization No	*HWM/Fresh/FZR/2023/20395485*
Date of issue :	*18/01/2023*
Date of expiry :	*31/03/2027*
Authorization Type :	*Fresh*

2. Particulars of the Industry

Name & Designation of the Applicant	*Sudhanshu Jindal, (Manager Account)*
Address of Industrial premises	*Sukhbir agro energy limited, Village hakumat singh wala,ferozepur , Ferozepur,Ferozepur-142052*
Capital Investment of the Industry	*14394.0 lakhs*
Category of Industry	*Red*
Type of Industry	*1009-Power generation plant (except Wind and Solar renewable power plants of all capacities and Mini Hydel power plant of capacity <25MW)*
Scale of the Industry	*Large*
Office District	*Ferozepur*

"This is computer generated document from OCMMS by PPCB"

Sukhbir agro energy limited,Village hakumat singh wala,ferozepur ,Ferozepur,Ferozepur,142052

Page1

3. Particulars of Wastes

Category of Hazardous Waste as per the Schedules I,II and III of these rules	Authorised mode of disposal or recycling or utilisation or co-processing, etc	Quantity (ton/annum)
Schedule I 5.1-Used or spent oil	Generation , Collection , Storage , Disposal	0.08 KL/Annum

4. The authorisation is subject to the general and specific conditions as appended with the Authorization.

18/01/2023

(Ruby Sidhu)
Environmental Engineer
For & on behalf
of
(Punjab Pollution Control Board)

Endst. No.: **Dated:**

A copy of the above is forwarded to the following for information and necessary action please:
Environmental Engineer, Punjab Pollution Control Board, Regional Office, Faridkot. He is requested to carry out monitoring / sampling of the industry in accordance with inspection frequancy policy notified by the Board.

18/01/2023

(Ruby Sidhu)
Environmental Engineer
For & on behalf
of
(Punjab Pollution Control Board)

"This is computer generated document from OCMMS by PPCB"
Sukhbir agro energy limited, Village hakumat singh wala,ferozepur ,Ferozepur,Ferozepur,142052
Page2

TERMS AND CONDITIONS

A. GENERAL CONDITIONS

1. The authorised person shall comply with the provisions of the Environment (Protection) Act, 1986, and the rules made there under.
2. The authorisation or its renewal shall be produced for inspection at the request of an officer authorised by the State Pollution Control Board.
3. The person authorised shall not rent, lend, sell, transfer or otherwise transport the hazardous and other wastes except what is permitted through this authorisation.
4. Any unauthorised change in personnel, equipment or working conditions as mentioned in the application by the person authorised shall constitute a breach of his authorisation.
5. The person authorised shall implement Emergency Response Procedure (ERP) for which this authorisation is being granted considering all site specific possible scenarios such as spillages, leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at regular interval of time;
6. The person authorised shall comply with the provisions outlined in the Central Pollution Control Board guidelines on ï¿½Implementing Liabilities for Environmental Damages due to Handling and Disposal of Hazardous Waste and Penaltyï¿½.
7. It is the duty of the authorised person to take prior permission of the State Pollution Control Board to close down the facility.
8. The imported hazardous and other wastes shall be fully insured for transit as well as for any accidental occurrence and its clean-up operation.
9. The record of consumption and fate of the imported hazardous and other wastes shall be maintained.
10. The hazardous and other waste which gets generated during recycling or reuse or recovery or pre-processing or utilisation of imported hazardous or other wastes shall be treated and disposed of as per specific conditions of authorisation.
11. The importer or exporter shall bear the cost of import or export and mitigation of damages if any.
12. An application for the renewal of an authorisation shall be made as laid down under these Rules.
13. Any other conditions for compliance as per the Guidelines issued by the Ministry of Environment, Forest and Climate Change or Central Pollution Control Board from time to time.
14. Annual return shall be filed by June 30th for the period ensuring 31st March of the year.

B. SPECIFIC CONDITIONS

1. The industry shall ensure the compliance of the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and shall get is hazardous waste lifted to the authorized recycler only.
2. The industry shall also develop the vermicomposting/composting to manage the biodegradable solid waste. PP shall not throw, burn or bury any solid wastes in open, outside premises or in drain / water bodies.
3. The industry shall perform / promote its Corporate Environment Responsibility (CER) activities as well as use of alternatives of single use plastics (SUP) and awareness to discourage use of plastic (See attached banner/circular).
4. The industry shall ensure that there are no usages of single use plastic- thermocol disposable items such as water bottles / water pouches/water cups, plates, forks, spoons, straw etc. and single use decorating material made of plastic-thermocol or any other non-biodegradable material in the premises.
5. The industry shall properly handle and manage the solid wastages as per the provisions of the Municipal Solid Waste Rules 2016 and ensure that the solid waste is segregated & disposed of in an environmentally sound manner.



18/01/2023

"This is computer generated document from OCMMS by PPCB"
Sukhbir agro energy limited, Village hakumat singh wala,ferozepur ,Ferozepur,Ferozepur,142052
Page3

(Ruby Sidhu)
Environmental Engineer
For & on behalf
of
(Punjab Pollution Control Board)

"This is computer generated document from OCMMS by PPCB"
Sukhbir agro energy limited, Village hakumat singh wala,ferozepur ,Ferozepur,Ferozepur,142052
Page4

Chapter – 10

COMPLIANCE OF ENVIRONMENTAL STANDARDS

The industry has installed Sewage Treatment Plant (STP) for the treatment of domestic effluent. The industry got the monitoring conducted of STP from the NABL Accredited Laboratory on dated 10.06.2024. All the times, the various parameters are within the limits prescribed by Punjab Pollution Control Board for such discharges on to land for plantation purposes. (Analysis Report Attached)

The industry has installed 01 no. boiler of Steam Generation Capacity 80 TPH. The emissions are discharged from boiler through adequate stack height i.e. 70.75 metres from the ground level. All the times, the concentration of SPM level remains within the limits prescribed by PPCB. As per the latest analysis conducted by the NABL approved Lab. on dated 10.06.2024, the various parameters are within the limits prescribed by PPCB. (Analysis Report Attached)



Environ Tech Laboratories

CPCB Recognized under EPA, 1986; ISO 9001:2015; OHSAS ISO 45001:2018
Plot No. C-101, Industrial Area, Phase -VII, Sector-73, Mohali, Punjab- 160059
Mob. 9464000081, 9417220081, 9417210081, (O) 94630-00081, 0172-4630081
GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P

TC-5879

TEST REPORT

TO
M/S SUKHBIR AGRO ENERGY LIMITED
FEROZEPUR MOGA ROAD, VILLAGE- HUKUMAT SINGH WALA,
FEROZEPUR (142052)

Customer Reference No.	PO No.- 4030007069, Dated-05.06.2024	Report No.	ETL/19062024/1105
Sample Code given by Customer	----	Report Date	19.06.2024
Type of sample	Waste Water	ULR No.	TC587924000002219F
Sample Condition	Satisfactory	Sample Reg No.	ETL/E/11062024/1105
Quantity	2+2 Liter	Date of Sampling	10.06.2024
Sampling Location	STP Outlet	Date of sample receipt	11.06.2024
Sample Submitted By	Mr. K. K. Mishra (Field Officer)	Date of Test Performance	11.06.2024-19.06.2024
Sampling Procedure	As per SOP	Packing Mode	Plastic Bottle

Discipline: Chemical — Group: Environment And Pollution
Sample Description: Clear & Colorless water

S. No.	PARAMETERS	TEST RESULTS	STANDARDS (As per CPCB Rules)	TEST METHODS
1.	pH	7.8	6.5 – 9.0	IS:3025 (Part11)
2.	Total Suspended Solids, mg/L	25.6	100	IS:3025(Part-17)
3.	Total Dissolved Solid, mg/L	1890	----	IS:3025(Part-16)
4.	Bio-chemical Oxygen Demand at 27°C, 3 days, mg/L	27.4	30	IS: 3025(Part-44)
5.	Chemical Oxygen Demand, mg/L	80	----	IS:3025(Part-58)
6.	Oil and Greases, mg/L	5.6	----	IS:3025(Part-39)

Note: ----------Denotes limit not specified

1. The test report refers only to tested sample and applicable parameters.
2. This report can neither be used as evidence in the court of law nor can it be used in part or full in any media without prior permission.
3. The sample will be destroyed after thirty days from the date of issue of test report unless otherwise specified.

(Authorized Signatory)
AJEET SINGH SAINI
Technical Manager
Enviro Tech Laboratories

Page 1 of 1

END OF REPORT

Testing of Water, Waste Water, Soil, Biological Testing; Monitoring of Ambient Air, Stack Emission, Work Zone Monitoring, Noise, Ventilation, LUX & Weather Monitoring

Environ Tech Laboratories

CPCB Recognized under EPA, 1986; ISO 9001:2015; OHSAS ISO 45001:2018
Plot No. C-101, Industrial Area, Phase -VII, Sector-73, Mohali, Punjab- 160059
Mob. 9464000081, 9417220081, 9417210081, (O) 94630-00081, 0172-4630081
GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P

TC-5879

TEST REPORT

TO
M/S SUKHBIR AGRO ENERGY LTD.
VILLAGE HAKUMAT SINGH WALA,
FEROZEPUR – MOGA ROAD,
DISTRICT FEROZEPUR, PUNJAB

Customer Reference No.	NA	Report No.	ETL/15062024/1092
Sample Code given by Customer	NA	Report Date	15.06.2024
Type of sample	Stack Emission	ULR No.	TC587924000002206F
Sample Condition	Satisfactory	Sample Reg No.	ETL/A/11062024/1092
Sampling Location	Stack Of Boiler (80 TPH)	Date of Sampling	10.06.2024
Sample Collected By	Mr. K. K. Mishra & Team	Date of sample receipt	11.06.2024
Sampling Procedure	As per lab SOP	Date of Test Performance	11.06.2024-15.06.2024

Discipline: Chemical — Group: Atmospheric Pollution

TECHNICAL DATA			
Instrument Used for Sampling	Stack Monitoring Instrument		
Source of Emission	Stack Attached to Boiler (80 TPH)		
Engine S. No	--	Model Name.	--
Mfg. Year	--	Type of Fuel Used	Paddy
Diameter of Stack	3.6 mtr	fuel used Qty. (Per Hour)	--
Stack Height from Ground Level	70 mtr	Type of Stack	Circular & RCC
Ambient Air Temp	38°C	Flow rate (LPM)	27
Stack Temperature	121°C	Sampling Time (min)	37
Velocity of Flue Gases (m/s)	8.46	Control Measures (if any)	ESP
Sampling Point	Sampling Done from Port Hole	Volumetric Flow Rate (Nm3/Hr)	234351

Sr.No	PARAMETER	RESULT	STANDARD (As per CPCB)	TEST METHOD
1.	Particulate Matter mg/Nm³ (at 12% CO2)	26	150 mg/Nm³	IS:11255(Pt-1)
2.	Sulphur Dioxide(as SO_2) mg/Nm³	17	--	IS:11255(Pt-2)
3.	Nitrogen Oxides(as NO_x) mg/nm³	80	--	Is:11255(Pt-7)
4.	Carbon Monoxide (as CO) %	0.3	1.0 %	IS:13270

Note:
1. The test report refers only to tested sample and applicable parameters
2. This report can neither be used as evidence in the court of law nor can it be used in part or full in any media without prior permission
3. The sample will be destroyed after thirty days from the date of issue of test report unless otherwise specified.

(Authorized Signatory)
AJEET SINGH SAINI
Technical Manager
Environ Tech Laboratories
Page 1 of 1

** End of Report*

Testing of Water, Waste Water, Soil, Biological Testing; Monitoring of Ambient Air, Stack Emission,

Environ Tech Laboratories

CPCB Recognized under EPA, 1986; ISO 9001:2015; OHSAS ISO 45001:2018
Plot No. C-101, Industrial Area, Phase -VII, Sector-73, Mohali, Punjab- 160059
Mob. 9464000081, 9417220081, 9417210081, (O) 94630-00081, 0172-4630081
GSTIN : 03BPEPS9693P1ZV, PAN No. BPEPS9693P

TC-5879

TEST REPORT

TO
M/S SUKHBIR AGRO ENERGY LTD.
VILLAGE HAKUMAT SINGH WALA,
FEROZEPUR – MOGA ROAD,
DISTRICT FEROZEPUR, PUNJAB

Customer Reference No.	NA	Report No.	ETL/15062024/1092
Sample Code given by Customer	NA	Report Date	15.06.2024
Type of sample	Stack Emission	ULR No.	NA
Sample Condition	Satisfactory	Sample Reg No.	ETL/A/11062024/1092
Sampling Location	Stack Of Boiler (80 TPH)	Date of Sampling	10.06.2024
Sample Collected By	Mr. K. K. Mishra & Team	Date of sample receipt	11.06.2024
Sampling Procedure	As per lab SOP	Date of Test Performance	11.06.2024-15.06.2024

Discipline: Chemical — Group: Atmospheric Pollution

TECHNICAL DATA			
Instrument Used for Sampling	Stack Monitoring Instrument		
Source of Emission	Stack Attached to Boiler (80 TPH)		
Engine S. No	--	Model Name.	--
Mfg. Year	--	Type of Fuel Used	Paddy
Diameter of Stack	3.6 mtr	fuel used Qty. (Per Hour)	--
Stack Height from Ground Level	70 mtr	Type of Stack	Circular & RCC
Ambient Air Temp	38^{0}C	Flow rate (LPM)	27
Stack Temperature	121^{0}C	Sampling Time (min)	37
Velocity of Flue Gases (m/s)	8.46	Control Measures (if any)	ESP
Sampling Point	Sampling Done from Port Hole	Volumetric Flow Rate (Nm3/Hr)	234351

S.No	PARAMETER	RESULT	STANDARD (As per CPCB)	TEST METHOD
1.	Mercury (as Hg)	ND	----	Lab SOP

Note:
1. The test report refers only to tested sample and applicable parameters.
2. This report can neither be used as evidence in the court of law nor can it be used in part or full in any media without prior permission.
3. The sample will be destroyed after thirty days from the date of issue of test report unless otherwise specified.

(Authorized Signatory)
AJEET SINGH SAINI
Technical Manager
Environ Tech Laboratories

** End of Report**

Chapter – 11

FORM – V
ENVIRONMENTAL STATEMENT

Environmental Statement for the financial year ending the 31st March 2024

PART – A

(i)	Name and address of the owner / occupier of the industry operation or process	:	Mr. Ashwani Mehta – (Plant Head) SAEL Limited (Formerly Sukhbir Agro Energy Limited), Moga Road, Village Hakumat Singh Wala, Distt. Ferozepur-142052, Punjab
(ii)	Industry category Primary - (STC Code) Secondary - (SIC Code)	: : :	Large Scale, Red Category Power Generation Plant
(iii)	Production capacity - Units --	:	Electricity / Electric Power @ 18 MWH
(iv)	Year of Establishment	:	2019
(v)	Date of last environment statement submitted	:	September, 2023

PART – B

Water and Raw Material Consumption

(i) Water Consumption m^3/day
(on an annual average basis)

Process	NIL
Cooling & Boiler	1125 KLD
Domestic	15 KLD

Sr. No.	Name of Products	Water Consumption	
		During the previous financial year (2022-23)	During the current financial year (2023-24)
		(1)	(2)
1	Electricity / Electric Power (151338.600 MWH)	395969 KL	416118 KL

(ii) Raw Material Consumption

Sr. No.	Name of Raw Materials	Name of Products	Process water consumption per unit of product output	
			During the previous financial year (2022-23)	During the current financial year (2023-24)
			(1)	(2)
1	Paddy Bales (181163.14 MT)	Electricity / Electric Power (151338.600 MWH)	3.28 KL/MWH	2.75 KL/MWH

PART – C

Pollution discharged to environment/unit of output

(Parameter as specified in the consent issued)

	Pollutants (mg/l)	Conc. of Pollutants Discharged (mg/l)	Quantity of Pollutants Discharged (Kg/Day)	Standards Limit (mg/l)*	Percentage of variation from prescribed standard limit with reasons
(a)	**Waste Water Discharge**				
1	pH	7.8	--	6.5 – 9.0	Well within the prescribed limits
2	TSS	25.6	0.29	100	Well within the prescribed limits
3	TDS	1890	21.36	2100	Well within the prescribed limits
4	BOD	27.4	0.31	30	Well within the prescribed limits
5	COD	80	0.90	250	Well within the prescribed limits
6	O & G	5.6	0.06	10	Well within the prescribed limits

(b)	**Air (PM) mg/Nm^3**				
1	Stack attached to Boiler (80 TPH)	26	--	150	Well within prescribed limits all the time

*Note: - Unit (mg/l) * is not applicable to pH*

PART – D

HAZARDOUS WASTES

[As specified under Hazardous & Other Wastes (Management& Transboundary Movement) Rules, 2016]

Hazardous Wastes		Total Quantity	
		During the previous financial year (2022-23)	During the current financial year (2023-24)
a)	**From Process**	NA	NA
b)	**From Pollution Control Facility**		
	NA	NA	NA
c)	**From D.G. Sets**		
	Used Spent Oil	NIL	NIL
d)	**Others**		
	NA	NA	NA

PART – E

SOLID WASTES

Solid Waste		Total Quantity During the Financial Year	
		Previous	Current
		2022-23	2023-24
(a)	**From Process**		
	NA	NA	NA
(b)	**From Pollution Control Facility**		
	STP Sludge	--	--
	Boiler Ash	19770.32 MT	25362.84 MT
(c)	**Others**		
	NA	NA	NA

a) From Process : Not applicable

b) From Pollution Control Facilities : i) Boiler Ash is disposed off in low lying areas inside the industry in an environmentally sound manner.

ii) STP Sludge will be utilized as manure in the plantation area as and when generated.

c) 1) Quantity recycled or re-utilized within the unit : Not applicable

2)	Sold	:	Not applicable
3)	Disposal	:	i) Boiler Ash is disposed off in low lying areas inside the industry in an environmentally sound manner. ii) STP Sludge will be utilized as manure in the plantation area as and when generated.

PART – F

Please specify the characterizations (in terms of composition of quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.

Hazardous Waste		Quantity	Collection / Storage	Disposal
(a)	**From Process**			
	NA	NA	NA	NA
(b)	**From D.G. Sets**			
	Used/Spent Oil	NA	NA	NA
(c)	**Others**			
	NA	NA	NA	NA

Solid Waste	Quantity	Disposal
From Process		
NA	NA	NA
From Pollution Control Plant		
STP Sludge	--	STP Sludge will be utilized as manure in the plantation area as and when generated.
Boiler Ash	25362.84 MT	Boiler Ash is disposed off in low lying areas inside the industry in an environmentally sound manner.

PART – G

Impact of the pollution abatement measures taken on conservation of natural resources and on the cost of production.

➢ **Conservation of Energy: Industry accords high priority to conservation of energy and has taken number of measures in this direction such as:**

- Maximum utilization of natural light where possible, hence saving in energy consumption.
- Utilizing maximum power factor by installing capacitors and saving in maximum demand power.
- Timely maintenance of machines.
- Constant replacement of outdated energy intensive equipments with latest technology energy saving equipments.
- Mostly automated machines, thus, eliminating idle running of equipments.
- Continuation of installing LED's by replacement of CFL/ conventional system.

➢ **Energy efficiency measures adopted for fuel economy in Boiler:**

- Optimum capacity utilization.
- Operating at the desired temperature.
- Complete combustion of fuel with minimum excess air.
- Waste heat recovery from the flue gases.
- Maintaining correct amount of furnace draught.
- Maintaining correct heat distribution.

➢ **Minimizing Water Consumption**

Water consumption has been minimized by ensuring water conservation, awareness programmes for the awareness of all workers of the industry. The following measures are being adopted.

- Use of water efficient plumbing fixtures. Water efficient plumbing fixtures use less water with no marked reduction in quality and service.
- Leak detection and repair techniques.
- Awareness campaign to disseminate knowledge on strategies and technologies that can be used for water conservation.
- The blow down water from boiler is taken into the reservoir.
- RO reject water is taken into water reservoir.
- Rain Water from rooftop is collected into the reservoir.
- The industry has minimized the consumption of fresh water used. The water consumption was 3.28 KL/MWH during the F.Y. 2022-23 and water consumption was @ 2.75 KL/MWH during the F.Y. 2023-24. Thus, the industry has saved water @ 80209.46 KL by reducing the water consumption per MWH of power generation.

PART – H

Additional measures/investment proposal for environmental protection including abatement of pollution, prevention of pollution.

- Large area has been covered with trees & plantation and continuance of plantation of trees in the green belt area.
- Creating awareness regarding environment and safety among employees.
- Tree plantation has good survival rate.
- The plantation area developed by the industry is about 4.5 acres and the industry is in the process of continue developing plantation area.
- Industry has in place system for controlling, monitoring & complying with environmental standards and legislations. Several environmental initiatives are taken from time to time such as energy conservation measures and waste management, to ensure cleaner and healthier environment.

PART – I

Any other particulars for improving the quality of the environment.

- The industry has installed 01 No. of D.G. Set of 500 KVA capacity which is equipped with canopy. The industry has installed adequate stack height of 4.5 meter above the roof level of the D.G. set.

- Environment Friendly Atmosphere is maintained in the industry.

- Trainings for development of knowledge of the employees are conducted periodically.

- The industry has been advised to file Annual Returns every year well before the due date under the HWM Rules, 2016 and the BMW Management Rules, 2016.

- The industry made agreement with M/s Medwaste Solutions Pvt. Ltd. Bidowali, Distt. Muktsar Sahib for lifting & disposal of Bio-medical waste generated from the industry.

- The industry will continuously remain performing public awareness activities like tree plantation, celebrating of World Environment Day and other activities like updating of Environmental Data periodically.

- The industry has constructed toilets, providing street lights and distribution of winter jackets nearby villages towards rural development under the CSR activities. The photographs of the same are as given below.




SAEL
SAEL
SAEL
RALLY FOR CLEAN




SAEL
SAEL
SAEL

Centre for Environment and Food Technology Pvt. Ltd.
An ISO 9001; 2015, ISO 45001; 2018 (OHSAS); ISO/IEC 17025; 2017
NABL & IQAS Accredited, FSSAI and MoEF Recognised Testing Laboratory

TEST REPORT

ISSUED TO:M/s SUKHBIR AGRO ENERGY LTD.
FEROZEPUR – MOGA ROAD,
VILLAGE HAKUMAT SINGH WALA, DISTRICT FEROZEPUR, PUNJAB

Report No.	**CEFT|2501|323**	**Report Date**	**06.02.2025**
P.O. No.	**Nil**	**Type of sample**	**Stack Emission (Boiler)**
Sample Code given by Customer	**Nil**	**Date of sampling**	**29.01.2025**
		Date of Sample Receipt	**30.01.2025**
Sampling Location	**Within Premises**	**Sample I.D.**	**CEFT|GEN|2501|323**
Sample Collected By	**Lab Person**	**Date of test**	**30.01.2025 – 06.02.2025**
Sampling procedure	**As per SOP**		

TECHNICAL DATA

1	Instrument Used for Sampling	Stack Monitoring Instrument (VSSI)
2	Source of Emission	Stack of Boiler (80 TPH)
3	Fuel used in source	Paddy Straw (550 Ton/ Hr.)
4	Type of stack	RCC
5	Velocity of fuel gases	10.22 m/s
6	Sampling Duration	50 min.
7	Ambient air temperature	16^{0}C
8	Stack temperature	145^{0}C
9	Stack height from ground level	70 meter
10	Diameter of stack	3600 mm
11	APCD Installed	ESP

S. NO	PARAMETERS	RESULT (mg/Nm^3)	Limits (mg/Nm^3) CPCB-2010	TEST METHOD
1.	Particulate Matter (12% CO_2 Normalization), mg/Nm^3	21.7	<30	IS:11255(Part -1)
2.	Sulphur Dioxide (as SO_2), mg/Nm^3	76	<100	IS 11255 (Part 2)
3.	Oxide of Nitrogen(NOx as NO_2), mg/Nm^3	53	<100	IS 11255 (Part 7)
4.	Mercury (as Hg)	ND	...	Lab SOP

****End of Report****

Authorised Signatory

Note : 1. The test results are related to the sample/ tested as identified.
2. The sample will be discarded after retention time of 7 days unless otherwise specified.
3. Any Discrepancy found in the test report may be communicated within seven days.
4. This report shall not be reproduced, cannot be used as evidence in the court of law and should not be used in any advertising media without written permission of CEO, CEFT Pvt. Ltd.
5. The Court Jurisdiction will be Delhi.
6. Customer complaint register is available at the laboratory.

Centre for Environment and Food Technology Pvt. Ltd.

An ISO 9001; 2015, ISO 45001; 2018 (OHSAS); ISO/IEC 17025; 2017
NABL & IQAS Accredited, FSSAI and MoEF Recognised Testing Laboratory

TEST REPORT

ISSUED TO: M/s SUKHBIR AGRO ENERGY LTD.
FEROZEPUR – MOGA ROAD,
VILLAGE HAKUMAT SINGH WALA, DISTRICT FEROZEPUR, PUNJAB

Report No.	**CEFT|2501|344**	**Report Date**	**06.02.2025**
Your Ref. No	**nil**	**Type of sample**	**Ambient Air Sample**
Sample Code Given by Customer	**Nil**	**Date of sampling**	**29.01.2025**
Sampling Location	**Village Thether Kalan**	**Date of Sample Receipt**	**30.01.2025**
Sample Collected By	**Lab Person**	**Sample I.D.**	**CEFT|GEN|2501|344**
Sampling procedure	**As per SOP**	**Date of test**	**30.01.2025 to 06.02.2025**

TECHNICAL DATA		
1	Location of Sampling Station	Village Thether Kalan
2	Instrument Used for Sampling	Respirable Dust Sampler
3	Source of Sampling	Ambient Air Sample
4	Temperature of Sampling Location	16°C
5	Environmental Condition	Max temp. 23°C
		Min temp. 07°C
		Clear sky and wind direction west to north-east
6	Flow Rate of Sampling	0.2 LPM
7	Time Period for Sampling	1440Minutes
8	Volume of Air Sampled	1.4 m^3

Sr.N.	PARAMETERS	RESULTS	STANDARD	TEST METHOD
1.	Respirable suspended particulate matter(PM_{10})	72	100.0 µg/m^3	IS 5182 (Part 23)
2.	Sulphur dioxide (SO_2)	07	80.0 µg/m^3	IS 5182 (Part-2)
3.	Nitrogen dioxide (NO_2)	15	80.0 µg/m^3	IS 5182 (Part-6)
4.	Fine particulate matter ($PM_{2.5}$)	39	60.0 µg/m^3	IS 5182 (Part 24)
5.	CO	ND	2.0 mg/m^3	IS 5182 (Part 10)
6.	Nickel (Ni)	ND	20.0 ng/m^3	IS 5182 (Part-22)
7.	Arsenic (As)	ND	6.0 ng/m^3	IS 5182 (Part-22)
8.	Lead (Pb)	ND	1.0 µg/m^3	IS 5182 (Part-22)
9.	Banzene (C_6H_6)	ND	5.0 µg/m^3	IS 5182 (Part-11)
10.	Benzo(a)pyrene (BaP)	ND	1.0 ng/m^3	IS 5182 (Part-12)
11.	Ammonia (NH_3)	ND	400.0 µg/m^3	IS 5182 (Part 25)
12.	Ozone (O_3)	ND	100.0 µg/m^3	IS 5182 (Part-9)

Note: ND denotes NOT Detectable

****End of Report****

Centre for Environment and Food Technology Pvt. Ltd. New Delhi

Authorised Signatory

Note : 1. The test results are related to the sample/ tested as identified.
2. The sample will be discarded after retention time of 7 days unless otherwise specified.
3. Any Discrepancy found in the test report may be communicated within seven days.
4. This report shall not be reproduced, cannot be used as evidence in the court of law and should not be used in any advertising media without written permission of CEO, CEFT Pvt. Ltd.
5. The Court Jurisdiction will be Delhi.
6. Customer complaint register is available at the laboratory.

Centre for Environment and Food Technology Pvt. Ltd.

An ISO 9001; 2015, ISO 45001; 2018 (OHSAS); ISO/IEC 17025; 2017

NABL & IQAS Accredited, FSSAI and MoEF Recognised Testing Laboratory

TEST REPORT

ISSUED TO:M/s SUKHBIR AGRO ENERGY LTD.
FEROZEPUR – MOGA ROAD,
VILLAGE HAKUMAT SINGH WALA, DISTRICT FEROZEPUR, PUNJAB

Report No.	**CEFT|2501|345**	**Report Date**	**06.02.2025**
Your Ref. No	**nil**	**Type of sample**	**Ambient Air Sample**
Sample Code Given by Customer	**Nil**	**Date of sampling**	**29.01.2025**
Sampling Location	**Village Saleyani**	**Date of Sample Receipt**	**30.01.2025**
Sample Collected By	**Lab Person**	**Sample I.D.**	**CEFT|GEN|2501|345**
Sampling procedure	**As per SOP**	**Date of test**	**30.01.2025 to 06.02.2025**

TECHNICAL DATA		
1	Location of Sampling Station	Village Saleyani
2	Instrument Used for Sampling	Respirable Dust Sampler
3	Source of Sampling	Ambient Air Sample
4	Temperature of Sampling Location	16°C
5	Environmental Condition	Max temp. 23°C
		Min temp. 07°C
		Clear sky and wind direction west to north-east
6	Flow Rate of Sampling	0.2 LPM
7	Time Period for Sampling	1440Minutes
8	Volume of Air Sampled	1.4 m^3

Sr.N.	PARAMETERS	RESULTS	STANDARD	TEST METHOD
1.	Respirable suspended particulate matter(PM_{10})	69	100.0 µg/m^3	IS 5182 (Part 23)
2.	Sulphur dioxide (SO_2)	03	80.0 µg/m^3	IS 5182 (Part-2)
3.	Nitrogen dioxide (NO_2)	06	80.0 µg/m^3	IS 5182 (Part-6)
4.	Fine particulate matter ($PM_{2.5}$)	27	60.0 µg/m^3	IS 5182 (Part 24)
5.	CO	ND	2.0 mg/m^3	IS 5182 (Part 10)
6.	Nickel (Ni)	ND	20.0 ng/m^3	IS 5182 (Part-22)
7.	Arsenic (As)	ND	6.0 ng/m^3	IS 5182 (Part-22)
8.	Lead (Pb)	ND	1.0 µg/m^3	IS 5182 (Part-22)
9.	Banzene (C_6H_6)	ND	5.0 µg/m^3	IS 5182 (Part-11)
10.	Benzo(a)pyrene (BaP)	ND	1.0 ng/m^3	IS 5182 (Part-12)
11.	Ammonia (NH_3)	ND	400.0 µg/m^3	IS 5182 (Part 25)
12.	Ozone (O_3)	ND	100.0 µg/m^3	IS 5182 (Part-9)

Note: ND denotes NOT Detectable

****End of Report****

Centre for Environment and Food Technology Pvt. Ltd.

Authorised Signatory

Note : 1. The test results are related to the sample/ tested as identified.
2. The sample will be discarded after retention time of 7 days unless otherwise specified.
3. Any Discrepancy found in the test report may be communicated within seven days.
4. This report shall not be reproduced, cannot be used as evidence in the court of law and should not be used in any advertising media without written permission of CEO, CEFT Pvt. Ltd.
5. The Court Jurisdiction will be Delhi.
6. Customer complaint register is available at the laboratory.

Regd. Address - Bldg. No. 17, 1st & 2nd Floor, DLF Industrial Area, Moti Nagar, New Delhi - 110015 Ph.: - 011-45012722
Email: info@ceftlab.com, Website : www.ceftlab.com

Centre for Environment and Food Technology Pvt. Ltd.

An ISO 9001; 2015, ISO 45001; 2018 (OHSAS); ISO/IEC 17025; 2017

NABL & IQAS Accredited, FSSAI and MoEF Recognised Testing Laboratory

TEST REPORT

ISSUED TO: M/s SUKHBIR AGRO ENERGY LTD.
FEROZEPUR – MOGA ROAD,
VILLAGE HAKUMAT SINGH WALA, DISTRICT FEROZEPUR, PUNJAB

Report No.	**CEFT|2501|346**	**Report Date**	**06.02.2025**
Your Ref. No	**nil**	**Type of sample**	**Ambient Air Sample**
Sample Code Given by Customer	**Nil**	**Date of sampling**	**29.01.2025**
Sampling Location	**Village Machi Bugra**	**Date of Sample Receipt**	**30.01.2025**
Sample Collected By	**Lab Person**	**Sample I.D.**	**CEFT|GEN|2501|346**
Sampling procedure	**As per SOP**	**Date of test**	**30.01.2025 to 06.02.2025**

TECHNICAL DATA		
1	Location of Sampling Station	Village Machi Bugra
2	Instrument Used for Sampling	Respirable Dust Sampler
3	Source of Sampling	Ambient Air Sample
4	Temperature of Sampling Location	16°C
5	Environmental Condition	Max temp. 23°C
		Min temp. 07°C
		Clear sky and wind direction west to north-east
6	Flow Rate of Sampling	0.2 LPM
7	Time Period for Sampling	1440Minutes
8	Volume of Air Sampled	1.4 m^3

Sr.N.	PARAMETERS	RESULTS	STANDARD	TEST METHOD
1.	Respirable suspended particulate matter(PM_{10})	81	100.0 µg/m^3	IS 5182 (Part 23)
2.	Sulphur dioxide (SO_2)	11	80.0 µg/m^3	IS 5182 (Part-2)
3.	Nitrogen dioxide (NO_2)	17	80.0 µg/m^3	IS 5182 (Part-6)
4.	Fine particulate matter ($PM_{2.5}$)	43	60.0 µg/m^3	IS 5182 (Part 24)
5.	CO	ND	2.0 mg/m^3	IS 5182 (Part 10)
6.	Nickel (Ni)	ND	20.0 ng/m^3	IS 5182 (Part-22)
7.	Arsenic (As)	ND	6.0 ng/m^3	IS 5182 (Part-22)
8.	Lead (Pb)	ND	1.0 µg/m^3	IS 5182 (Part-22)
9.	Banzene (C_6H_6)	ND	5.0 µg/m^3	IS 5182 (Part-11)
10.	Benzo(a)pyrene (BaP)	ND	1.0 ng/m^3	IS 5182 (Part-12)
11.	Ammonia (NH_3)	ND	400.0 µg/m^3	IS 5182 (Part 25)
12.	Ozone (O_3)	ND	100.0 µg/m^3	IS 5182 (Part-9)

Note: ND denotes NOT Detectable

****End of Report****

Authorised Signatory

Note : 1. The test results are related to the sample/ tested as identified.
2. The sample will be discarded after retention time of 7 days unless otherwise specified.
3. Any Discrepancy found in the test report may be communicated within seven days.
4. This report shall not be reproduced, cannot be used as evidence in the court of law and should not be used in any advertising media without written permission of CEO, CEFT Pvt. Ltd.
5. The Court Jurisdiction will be Delhi.
6. Customer complaint register is available at the laboratory.

Regd. Address - Bldg. No. 17, 1st & 2nd Floor, DLF Industrial Area, Moti Nagar, New Delhi - 110015 Ph.: - 011-45012722
Email: info@ceftlab.com, Website : www.ceftlab.com

Centre for Environment and Food Technology Pvt. Ltd.

An ISO 9001; 2015, ISO 45001; 2018 (OHSAS); ISO/IEC 17025; 2017
NABL & IQAS Accredited, FSSAI and MoEF Recognised Testing Laboratory

TEST REPORT

ISSUED TO: M/s SUKHBIR AGRO ENERGY LTD.
FEROZEPUR – MOGA ROAD,
VILLAGE HAKUMAT SINGH WALA, DISTRICT FEROZEPUR, PUNJAB

Report No.	**CEFT|2501|347**	**Report Date**	**06.02.2025**
Your Ref. No	**nil**	**Type of sample**	**Ambient Air Sample**
Sample Code Given by Customer	**Nil**	**Date of sampling**	**29.01.2025**
Sampling Location	**Village Hakumat Singh Wala**	**Date of Sample Receipt**	**30.01.2025**
Sample Collected By	**Lab Person**	**Sample I.D.**	**CEFT|GEN|2501|347**
Sampling procedure	**As per SOP**	**Date of test**	**30.01.2025 to 06.02.2025**

	TECHNICAL DATA	
1	Location of Sampling Station	Village Hakumat Singh Wala
2	Instrument Used for Sampling	Respirable Dust Sampler
3	Source of Sampling	Ambient Air Sample
4	Temperature of Sampling Location	16°C
5	Environmental Condition	Max temp. 23°C
		Min temp. 07°C
		Clear sky and wind direction west to north-east
6	Flow Rate of Sampling	0.2 LPM
7	Time Period for Sampling	1440Minutes
8	Volume of Air Sampled	1.4 m^3

Sr.N.	PARAMETERS	RESULTS	STANDARD	TEST METHOD
1.	Respirable suspended particulate matter(PM_{10})	78	100.0 µg/m^3	IS 5182 (Part 23)
2.	Sulphur dioxide (SO_2)	06	80.0 µg/m^3	IS 5182 (Part-2)
3.	Nitrogen dioxide (NO_2)	11	80.0 µg/m^3	IS 5182 (Part-6)
4.	Fine particulate matter ($PM_{2.5}$)	39	60.0 µg/m^3	IS 5182 (Part 24)
5.	CO	ND	2.0 mg/m^3	IS 5182 (Part 10)
6.	Nickel (Ni)	ND	20.0 ng/m^3	IS 5182 (Part-22)
7.	Arsenic (As)	ND	6.0 ng/m^3	IS 5182 (Part-22)
8.	Lead (Pb)	ND	1.0 µg/m^3	IS 5182 (Part-22)
9.	Banzene (C_6H_6)	ND	5.0 µg/m^3	IS 5182 (Part-11)
10.	Benzo(a)pyrene (BaP)	ND	1.0 ng/m^3	IS 5182 (Part-12)
11.	Ammonia (NH_3)	ND	400.0 µg/m^3	IS 5182 (Part 25)
12.	Ozone (O_3)	ND	100.0 µg/m^3	IS 5182 (Part-9)

Note: ND denotes NOT Detectable

****End of Report****

Authorised Signatory

Note : 1. The test results are related to the sample/ tested as identified.
2. The sample will be discarded after retention time of 7 days unless otherwise specified.
3. Any Discrepancy found in the test report may be communicated within seven days.
4. This report shall not be reproduced, cannot be used as evidence in the court of law and should not be used in any advertising media without written permission of CEO, CEFT Pvt. Ltd.
5. The Court Jurisdiction will be Delhi.
6. Customer complaint register is available at the laboratory.

Regd. Address - Bldg. No. 17, 1st & 2nd Floor, DLF Industrial Area, Moti Nagar, New Delhi - 110015 Ph.: - 011-45012722
Email: info@ceftlab.com, Website : www.ceftlab.com

Centre for Environment and Food Technology Pvt. Ltd.

An ISO 9001; 2015, ISO 45001; 2018 (OHSAS); ISO/IEC 17025; 2017

NABL & IQAS Accredited, FSSAI and MoEF Recognised Testing Laboratory

TEST REPORT

ISSUED TO: M/s SUKHBIR AGRO ENERGY LTD.
FEROZEPUR – MOGA ROAD,
VILLAGE HAKUMAT SINGH WALA, DISTRICT FEROZEPUR, PUNJAB

Report No.	**CEFT|2501|348**	**Report Date**	**06.02.2025**
Your Ref. No	**nil**	**Type of sample**	**Ambient Air Sample**
Sample Code Given by Customer	**Nil**	**Date of sampling**	**29.01.2025**
Sampling Location	**Village Ghall Khurd**	**Date of Sample Receipt**	**30.01.2025**
Sample Collected By	**Lab Person**	**Sample I.D.**	**CEFT|GEN|2501|348**
Sampling procedure	**As per SOP**	**Date of test**	**30.01.2025 to 06.02.2025**

TECHNICAL DATA		
1	Location of Sampling Station	Village Ghall Khurd
2	Instrument Used for Sampling	Respirable Dust Sampler
3	Source of Sampling	Ambient Air Sample
4	Temperature of Sampling Location	16°C
5	Environmental Condition	Max temp. 23°C
		Min temp. 07°C
		Clear sky and wind direction west to north-east
6	Flow Rate of Sampling	0.2 LPM
7	Time Period for Sampling	1440Minutes
8	Volume of Air Sampled	1.4 m^3

Sr.N.	PARAMETERS	RESULTS	STANDARD	TEST METHOD
1.	Respirable suspended particulate matter(PM_{10})	75	100.0 µg/m^3	IS 5182 (Part 23)
2.	Sulphur dioxide (SO_2)	07	80.0 µg/m^3	IS 5182 (Part-2)
3.	Nitrogen dioxide (NO_2)	12	80.0 µg/m^3	IS 5182 (Part-6)
4.	Fine particulate matter ($PM_{2.5}$)	36	60.0 µg/m^3	IS 5182 (Part 24)
5.	CO	ND	2.0 mg/m^3	IS 5182 (Part 10)
6.	Nickel (Ni)	ND	20.0 ng/m^3	IS 5182 (Part-22)
7.	Arsenic (As)	ND	6.0 ng/m^3	IS 5182 (Part-22)
8.	Lead (Pb)	ND	1.0 µg/m^3	IS 5182 (Part-22)
9.	Banzene (C_6H_6)	ND	5.0 µg/m^3	IS 5182 (Part-11)
10.	Benzo(a)pyrene (BaP)	ND	1.0 ng/m^3	IS 5182 (Part-12)
11.	Ammonia (NH_3)	ND	400.0 µg/m^3	IS 5182 (Part 25)
12.	Ozone (O_3)	ND	100.0 µg/m^3	IS 5182 (Part-9)

Note: ND denotes NOT Detectable

****End of Report****

Authorised Signatory

Note : 1. The test results are related to the sample/ tested as identified.
2. The sample will be discarded after retention time of 7 days unless otherwise specified.
3. Any Discrepancy found in the test report may be communicated within seven days.
4. This report shall not be reproduced, cannot be used as evidence in the court of law and should not be used in any advertising media without written permission of CEO, CEFT Pvt. Ltd.
5. The Court Jurisdiction will be Delhi.
6. Customer complaint register is available at the laboratory.

Regd. Address - Bldg. No. 17, 1st & 2nd Floor, DLF Industrial Area, Moti Nagar, New Delhi - 110015 Ph.: - 011-45012722
Email: info@ceftlab.com, Website : www.ceftlab.com

Centre for Environment and Food Technology Pvt. Ltd.

An ISO 9001; 2015, ISO 45001; 2018 (OHSAS); ISO/IEC 17025; 2017

NABL & IQAS Accredited, FSSAI and MoEF Recognised Testing Laboratory

TEST REPORT

ISSUED TO: M/s SUKHBIR AGRO ENERGY LTD.
FEROZEPUR – MOGA ROAD,
VILLAGE HAKUMAT SINGH WALA, DISTRICT FEROZEPUR, PUNJAB

Report No.	**CEFT|2501|349**	**Report Date**	**06.02.2025**
Your Ref. No	**nil**	**Type of sample**	**Ambient Air Sample**
Sample Code Given by Customer	**Nil**	**Date of sampling**	**29.01.2025**
Sampling Location	**Village Bhangali**	**Date of Sample Receipt**	**30.01.2025**
Sample Collected By	**Lab Person**	**Sample I.D.**	**CEFT|GEN|2501|349**
Sampling procedure	**As per SOP**	**Date of test**	**30.01.2025 to 06.02.2025**

TECHNICAL DATA		
1	Location of Sampling Station	Village Bhangali
2	Instrument Used for Sampling	Respirable Dust Sampler
3	Source of Sampling	Ambient Air Sample
4	Temperature of Sampling Location	16°C
5	Environmental Condition	Max temp. 23°C
		Min temp. 07°C
		Clear sky and wind direction west to north-east
6	Flow Rate of Sampling	0.2 LPM
7	Time Period for Sampling	1440Minutes
8	Volume of Air Sampled	1.4 m^3

Sr.N.	PARAMETERS	RESULTS	STANDARD	TEST METHOD
1.	Respirable suspended particulate matter(PM_{10})	67	100.0 µg/m^3	IS 5182 (Part 23)
2.	Sulphur dioxide (SO_2)	04	80.0 µg/m^3	IS 5182 (Part-2)
3.	Nitrogen dioxide (NO_2)	09	80.0 µg/m^3	IS 5182 (Part-6)
4.	Fine particulate matter ($PM_{2.5}$)	32	60.0 µg/m^3	IS 5182 (Part 24)
5.	CO	ND	2.0 mg/m^3	IS 5182 (Part 10)
6.	Nickel (Ni)	ND	20.0 ng/m^3	IS 5182 (Part-22)
7.	Arsenic (As)	ND	6.0 ng/m^3	IS 5182 (Part-22)
8.	Lead (Pb)	ND	1.0 µg/m^3	IS 5182 (Part-22)
9.	Banzene (C_6H_6)	ND	5.0 µg/m^3	IS 5182 (Part-11)
10.	Benzo(a)pyrene (BaP)	ND	1.0 ng/m^3	IS 5182 (Part-12)
11.	Ammonia (NH_3)	ND	400.0 µg/m^3	IS 5182 (Part 25)
12.	Ozone (O_3)	ND	100.0 µg/m^3	IS 5182 (Part-9)

Note: ND denotes NOT Detectable

****End of Report****

Authorised Signatory

Note : 1. The test results are related to the sample/ tested as identified.
2. The sample will be discarded after retention time of 7 days unless otherwise specified.
3. Any Discrepancy found in the test report may be communicated within seven days.
4. This report shall not be reproduced, cannot be used as evidence in the court of law and should not be used in any advertising media without written permission of CEO, CEFT Pvt. Ltd.
5. The Court Jurisdiction will be Delhi.
6. Customer complaint register is available at the laboratory.

Regd. Address - Bldg. No. 17, 1st & 2nd Floor, DLF Industrial Area, Moti Nagar, New Delhi - 110015 Ph.: - 011-45012722
Email: info@ceftlab.com, Website : www.ceftlab.com

Annexure - IX



CSR ACTIVITIES

SAEL
SUSTAINABLE & AFFORDABLE ENERGY FOR LIFE

SAEL
SUSTAINABLE | AFFORDABLE ENERGY FOR LIFE

CSR Activities Organized

DR. HS Awla foundation

Under the Initiative of

UNIT – 10 , HAKUMAT SINGH WALA , FEROZEPUR (PUNJAB)

Meritorious School

Hakumat Singh Wala , Ferozepur

By This CSR Activities – 210 Nos.(NCERT , NEET C/W, T/W)

Books Provided to School Management , Students .

Date – 06 March 2025 .

Total Amount – 80233 Rupees.

Presence With of Mr. Jatin Awla Sir , Unit Head Mr. Ashwani Mehta , School Principal Mr.S. Chamkaur Singh, DGM Admin & Security Mr. Manoj Tiwari, HR Team Mr. Manoj Thakur , Mr. Amit Khindri, EHS&S Mr. Rohit Verma, F&A Mr. Lovish Goyal, SO Mr. Balwinder Singh & Admin team.

School Management Vice Principal Ms. Sukirti Sharma Senior Lecturer Amar Verma, Senior Lecturer Ginni Bansal Lecturer Ajay Sharma and Security Supervisor S. Jasvir Singh

Welcome Speech by – School Principal



School Events







Books Provided to Students



Expressed gratitude Speech by – DGM Security



Highly Appreciated for this CSR activities by – School Principal Mr.S.Chamkaur Singh & Management . Momento provide to Mr. Jatin Awla Sir , Mr. Ashwani Mehta (Unit- Head), Mr. Mnoj Tiwari (DGM Security











SAEL
SUSTAINABLE & AFFORDABLE ENERGY FOR LIFE

THANKS.