

Majhaulia Sugar Industries Pvt. Ltd.

(Subsidiary: Jay Shree Tea & Industries Ltd.)

May 24, 2022

To,
The Additional Director
Ministry of Environment & Forest,
Govt. of India, Eastern Regional Officer,
A/3, Chandrashekharpur,
Bhubaneshwar – 751 023

Sub:- SIX MONTHLY COMPLIANCE REPORT OF June, 2022.

Dear Sir,

Please find enclosed herewith the Six Monthly Compliance Report alongwith details of analysis of treated and untreated water, ground water, Boiler Stack Analysis, Ambient Air Quality, Ambient Noise Level report from 01.10.2021 to 31.03.2022.

We are also enclosing herewith the photocopy of E.T.P. flow diagram, Process flow diagram, NOC from CGWA, New Delhi, Consent Order photocopy of Hazardous waste, discharge and emission order issued by Bihar State Pollution Control Board, Patna.

Thanking you, Yours Faithfully,

For Majhaulia Sugar Industries (Prop: Jay Shree Tea & Industries Ltd)

Factory Manager

Encl: As Above.



DETAILED CONDITION COMPLIANCE OF ENVIRONMENTAL CLEARANCE

(PERIOD 01.10.2021 TO 31.03.2022)

	Conditions as per MoEF F. No. J- 11011/43/2009-IA II (I)	Compliance Details						
S	pecific Conditions							
1.	The waste water generation shall not exceed 500 m³/day which after treatment shall be used for wet scrubber makeup, spray pond and irrigation purpose to achieve zero discharge. The domestic effluent shall be disposed off in the soak pit	During the period 2021-22, our sugar mill was in operatio from 15 th Nov.'2021 to 28 th Jan.'2022. 888 m³/day of waste water is generated during season as						
2.	As per the CPCB requirement storage for the treated effluent from the sugar unit shall not exceed 15 days capacity	We have constructed treated efflu 15 days storage capacity. (Capac 70m. x 2 m.).	ent storage lagoon of for					
		Adequate numbers of ground water been set up around the Project Arbeing done. Ground water analy Oct.'21 – Mar.'22 is as under;	rea and regular analysis is					
3.	Adequate numbers of ground water quality monitoring stations by providing	Parameters	except pH & Turbidity Minm Maxm. Range					
٥.		1. pH	7.19 – 7.27					
		2. Turbidity on NTU	< 1.0					
	piezometers around the project area shall be	Total Dissolved Solids (TDS)	308 – 336					
	set up. Sampling and trend analysis	4. Total Hardness as CaCO ₃	216 – 240					
	monitoring must be made on monthly basis	5. Calcium as Ca	49.7 – 65.7					
	and report submitted to SPCB and this	6. Magnesium as Mg	18.5 – 22.5					
	ministry	7. Iron as Fe	0.42 - 0.52					
		8. Total Alkalinity as CaCO ₃	188 – 208					
		9. Chloride as Cl	20 – 22					
		10. Sulphate as SO ₄	22.4 – 24.4					
		11. Nitrate as NO ₃	2.2 - 2.9					
		12. Fluoride as F	0.38 - 0.42					
	7	Analysis report is being attached h	erewith as Annexure - I					
4.	Particulate emissions from the baggase fired boilers shall be controlled by installation of multi cyclone / wet scrubber and emissions shall be dispersed through stack of height as per CPCB standards. The DG set shall be provided with acoustic enclosures to mitigate the noise pollution and emissions shall be dispersed through stack of height as per CPCB Standards.	 3 Nos. Boilers have been equipped. Emission is being dispersed that 30 m. & 40 m. 1 no. silent DG Set of 600 Feason. 	rough the stack of height					

	Conditions as per MoEF F. No. J- 11011/43/2009-IA II (I)	Compliance Details
I	per CPCB Standards.	
	The company shall upload the status of compliance of the stipulated environmental clearance conditions, including results of monitored data on its website and shall update the same periodically. It shall simultaneously be sent to the Regional office of MoEF the respective Zonal Office of CPCB and the State Pollution Control Board. The criteria pollutants levels namely SPM, RSPM, SO ₂ , NOx (ambient levels as well as stack emissions) or critical sectoral parameters indicated for the project shall be monitored and displayed at a convenient locations near the main gate of the company in the public domain.	We have uploaded the compliance of stipulated environmental clearance conditions on company's website www.jayshreesugar.in . Update of compliance is done of periodical basis.
6.	The company shall obtain permission from the State/Ground Water Department to draw the water as may be applicable to this case.	We have obtained NOC for ground water withdrawal from CGWB vide NOC No. CGWA/NOC/IND/REN/1/2021/6499, valid upto 31.12.2022 (Copy enclosed).
7.	Green belt in 33% of the plant area shall be provided to mitigate the effects of fugitive emissions all around the plant and compost yard as per the CPCB guidelines in consultation with the local DFO	Green belt in 33% of the plant area is being developed. Green belt is being developed with the consultation of DFO. (Already submitted in Jun.'11 six monthly report.)
8.		We have implemented rain water harvesting plan as per guidelines of CGWB.
G	eneral Conditions	
1.	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment & Forests	done without prior approval of the Ministry of Environment & Forests
2.	Ambient Air Quality Monitoring Stations shall be set up in the down wind direction as well as where maximum ground level concentration of SPM, SO ₂ , NOx are anticipated in consultation with the State Pollution Control Board	plant. The AAQ monitoring results (average values) of Nov.'21 – Jan.'22 shows that PM ₁₀ varied between 76.4

	Conditions as per MoEF F. No. J- 11011/43/2009-IA II (I)	Compliance Details
3.	Adequate number of influent and effluent quality monitoring stations shall be set up in consultation with the State Pollution Control Board. Regular monitoring should be carried out for relevant parameters	is being done on regular basis during operation of plant Analysis trends of treated effluent shows that values of plant
4.	The industry shall ensure that the treated effluent and stack emissions from the unit are within the norms stipulated under the EPA rules or SPCB whichever is more stringent. In case of process disturbances/failure of pollution control equipment adopted by the unit, the respective unit shall be shut down and shall not be restarted until the control measures are rectified to achieve the desired efficiency.	Characteristics of Treated Effluent & Stack Emissions are
5.	The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels should conform to the standards prescribed under EPA Rules, 1989 viz. 75 dB(A) (day time) and 70 dB(A) (night time)	The noise level in and around the plant area are well within the prescribed limits under EPA Rules. The Ambient noise level during Nov.'21 – Jan.'22 period for day time varied from 63.7 – 69.6 dB(A) & for night time varied from 55.5 – 63.5 dB(A) Noise Monitoring report is attached as Annexure III.
6.	The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA/EMP	All the environmental protection measures and safeguards recommended in the EIA/EMP is being complied
7.	Occupational health surveillance programme shall be undertaken as regular exercise for all the employees. The first aid facilities in the occupational health centre shall be strengthened and the medical records of each employee shall be maintained separately	One Doctor, two compounder and one Dresser is appointed for regular health check up for the employees and also emergency services is being provided to nearby areas. The records of health check up of the employees are being maintained separately.
	A separate environmental management cell equipped with full fledged laboratory facilities must be set up to carry out the environmental management and monitoring functions	We are maintaining a Environmental Laboratory for Testing of Treated Effluent. Environment Management Cell is formed under the Chairmanship of Unit Head.

Conditions as per MoEF F. No. J- 11011/43/2009-IA II (I)	Compliance Details
9. The project authorities shall provide requisite funds for both recurring and non- recurring expenditure to implement the conditions stipulated by the non-recurring expenditure to implement the conditions stipulated by the Ministry of Environment & Forests as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so provided shall not be diverted for any other purpose.	The project authorities are providing requisite funds (Rs. 22.5 lacs) for both recurring and non-recurring expenditure to implement the conditions stipulated by Ministry of Environment & Forests as well as the State Government.
10. A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parishad / Municipal Corporation, Urban local body and the local NGO, if any, from who suggestions / representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the company by the proponent.	
11. The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and the State Pollution Control Board.	We are submitting 6-monthly EC compliance report regularly in the month of June and December every year.
12. The Project Proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the State Pollution Control Board / Committee and may also be seen at Website of the Ministry of Environment & Forests at http://envfor.nic.in. This shall be advertised within seven days from the date of issue of the clearance letter at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the Regional office	A copy of Paper Advertisement has been send earlier with 01st Compliance Report in the month of Dec.'09.
13. The Project Authorities shall inform the Regional Office as well as the Ministry the date of financial closure and final approval of the project by the concerned authorities and the date of start of land development work.	The proposed expansion work has been completed for 5000 TCD from 3500 TCD in Nov.'10 and our factory is running with the expanded capacity from the season 2010-11.

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PARIVESH BHAWAN, PLOT NO. NS-B/2, PALIPUTRA INDUSTRIAL AREA,

PATLIPUTRA, Patna — 800 010

Ref. No. - P/T-2-02/05(part-III)/ 4/19

Patna, dated- 63.12.10

DISCHARGE CONSENT ORDER

With reference to the online application no- OR538N009104/1679158 dated 29.08.2018 of M/s Majhaulia Sugar Industries Pvt. Ltd, At & P.O.-Majhaulia, District- West Champaran-845454 for consent under sections 25/26 of the Water (Prevention & Control of Pollution) Act, 1974, he/they is/are granted consent to operate his/their Sugar Mill (Capacity-5000 TCD) At & P.O.-Majhaulia, Dist-West Champaran-845454 for the period from 01.10.2018 to 30.09:2023 with the following conditions:-

1 That, he/they shall not make any alteration, addition, deletion or modification in the plant without the prior clearance from the Board and shall also abide by the obligations under sections 24, 31 and 33A of the Water (Prevention & Control of Pollution) Act, 1974 and further shall extend co-operation to the Board in performing its functions

entrusted under sections 20,21,23,30 and 32 of the Act;

2 That he/they shall comply with the requirements of rule 14 of the Environment (Protection) Rules, 1986; provisions (whichever applicable) of the Hazardous And Other Wisses (Management and Transboundary Movement), Rules, 2016, rules 4.5,7,8,10,11,12,13,15 and 18 of the Manufacture, Storage and Import of Hazardous Chemical Rules,1989; and the provisions of the Public Liability Insurance Act,1991, whichever is applicable;

3 That, he/they shall monitor his/their effluent(s) regularly and maintain its quality in conformity with Board's standards and shall produce its proof, as and when asked for:

4 That ne/they shall submit application for consent again 30 days before the expiration of the period of consent or within 30 days from the date of receipt of this order, whichever is applicable;

5 That they shall operate and maintain online effluent monitoring system which has been installed as per directions of CPCB and shall connect/upload the online

monitoring data at CPCB/SPCB server,

6 That, effluent treatment plant(comprising primary, secondary and tertiary treatment) shall be operated to treat the trade effluent so as to achieve the standards prescribed

under the Rules or as directed time to time, whichever is stringent;

7 The treated effluent shall be disposed on land for irrigation after achieving the required standard and in no any case treated/untreated effluent shall be find its way outside the factory premises directly or indirectly. They shall maintain Zero Liquid Discharge and water consumption shall be reduced by adopting 3 R's (reduce, reuse and recycle) concept and 15 days storage capacity (pucca & lined lagoon) shall be provided for treated effluent to take care of no demand for irrigation;

8 That, the unit shall comply with as undertaken (vide undertaking submitted online on

dated 26.11.2018) which are as under:

i) That, the unit shall complete laying of pipeline from ETO to lined lagoon and

irrigation pipeline network within one month;

ii) That, the unit shall re-use the treated effluent in the plant for wet scrubbing, sprinkling on road for dust suppression and for horticulture purposes till irrigation channel network is completed;

iii) That, the unit shall not discharge any effluent in 'Kohara River';

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- iv) That, the use shall monitor the water quality of Kohara River near Rajghat (upstream a downstream both); and
- v) That, the necompliance of the aforesaid conditions shall be liable to forfeit of Bank Guara see of Rs 20.0 lac submitted by the unit in compliance of last direction u/s 33A of to Water Act, 1974.
- 9 That, operation a ETP of sugar mill shall be started at least one month before starting of cane crushing to achieve desired MLSS so as to meet prescribed standards from day one the operation of mill. ETP shall be operated even after completion of the crushing seaso that any effluent generated during washing & maintenance shall be used in irrigation of purposes after proper treatment;
- 10 That, provision a separate industrial effluent drain and storm water drain shall be maintained. Proc ss effluent/any waste water shall not be allowed to mix with storm water and storm water drain shall be passed through guard pond;
- 11 That, the bank guarantee submitted by the unit towards pollution control measures/system/compliance of condition no.-8 shall be forfeited in case of adverse as specified in time; and
- 12 That, the Environmental Statement as prescribed in the E (P) Rules, 1986 [see rule 14] for the each mancial year ending the 31st March, shall be submitted by the month of September every year.

To

The Director, M/s Majhaulia Sugar Industries Pvt. Ltd, At & P.O.-Majhaulia, District- West Champaran-845454.

(Alok Kumar)
Member-Secretary

13/12/18



BIHAR STATE POLLUTION CONTROL BOARD

PARIVESH BHAWAN, PLOT NO. NS-B/2, PALIPUTRA INDUSTRIAL AREA,

PATLIPUTRA, Patna - 800 010

Ref. No.- P/T-2-02/05(part-III)/ 4/18

Patna, dated-03-12-16

EMISSION CONSENT ORDER

With reference to the online application no- OR538N009104/1679158 dated 29.08.2018 of M/s Majhaulia Sugar Industries Pvt. Ltd, At & P.O.-Majhaulia, District-West Champaran-845454 for consent under sections 21 of the Air (Prevention & Control of Pollution) Act,1981, he/they is/are granted consent to operate his/their Sugar Mill (Capacity-5000 TCD) At & P.O.-Majhaulia, Dist-West Champaran-845454 for the period from 01.10.2018 to 30.09.2023 with the following conditions:-

That, he/they shall not make any alteration, addition, deletion or modification in the plant without the prior clearance from the Board and shall also abide by the obligations under sections 22,23 and 31A of the Air (Prevention & Control of Pollution) Act, 1981 and further shall extend co-operation to the Board in performing its functions entrusted under sections 24,25 and 26 of the Act;

That, he /they shall comply with the requirements of rule 14 of the Environment (Protection) Rules, 1986; provisions (whichever applicable) of the Hazardous And Other Wastes (Management and Transboundary Movement) Rules, 2016; rules 4,5,7,8,10,11,12,13,15,17 and 18 of the Manufacture, Storage and Import of Hazardous Chemical Rules, 1989; and the provisions of the Public Liability Insurance Act, 1991, whichever is applicable;

That, he/they shall monitor his/their emission(s) and the ambient air quality from representative point regularly and shall maintain its quality in conformity with Board's standards and shall produce its proof, as and when asked for;

4 That, he/they shall submit application for consent again 30 days before the expiration of the period of consent or within 30 days from the date of receipt of this order, whichever is applicable;

That, they shall submit stack menitoring and AAQ (including noise) report monthly

That, all air pollution control facilities provided should be operative and maintained 6

That, the solid waste (bottom ash of boiler etc) shall be disposed of properly at designated place and a monthly report containing quantity of generation, re-used, if any and disposed, site of disposal etc shall be submitted to the Board;

8 That, good housekeeping shall be maintained;

That, tree plantation shall be done with consultation of local DFO office to develop

10 They shall comply with direction of the Board issued time to time; and

11 That, the Environmental Statement as prescribed in the E (P) Rules, 1986 [see rule 14] for the each financial year ending the 31st March, shall be submitted by the month of September every year. To

The Director, M/s Majhaulia Sugar Industries Pvt. Ltd, At & P.O.-Majhaulia, District- West Champaran-845454.

/2/12/13 (Alok Kumar) Member-Secretary



NA STANCES

BIHAR STATE POLLUTION CONTROL BOARD

Parivesh Bhawan, Patliputra Industrial Area, Patna-800 010 EPABX-0612-2261250/2262265, Fax-0612-2261050; E-mail-bspcb@yahoo.com, Website -http://bspch.tan.noc.or

FORM 2 [See rule 6(2)]

FORM FOR GRANT OR RENEWAL OF AUTHORISATION BY STATE POLLUTION CONTROLBOARD TO THE OCCUPIERS, RECYCLERS, REPROCESSORS, REUSERS, USER AND OPERATORS OF DISPOSAL FACILITIES.

1 i. Number of authorization and date of issue : HW/ 12 ... 6 2. 2. : 1138819, dated-17.11.2017

Patna, dated-

3. M/s Manjhaulia Sugar Industries Pvt. Ltd. is hereby granted an authorization based on the enclosed 2. Reference of application (No. and date) signed inspection report for generation, collection, reception, storage, transport, reuse, recycling, recovery, pre-processing, co-processing, utilization, treatment, disposal or any other use of hazardous or other wastes or both on the premises situated at Manjhaulia, West Champaran

Details of Authorization

No. Hazardous Waste as	Authorized mode of disposal or recycling or utilization or co processing, etc.	Quantity (Ton/Annum)
and III of these rules 1. Used or Spent oil (HW cat. no. 5.1) and Oil & Grease Skimming (HW cat. no. 35.4) as per Schedule-I	of its recycling to damning: Incineration through	

1) The authorization shall be valid for a period of five years (from 17.12.2017 to 16.12.2022).

2) The authorization is subject to the following general and specific conditions (Please specify any conditions that need to be imposed over and above general conditions, if any):

- 1. The authorized person shall comply with the provisions of the Environment (Protection) Act, 1986, and the rules made A. General conditions of authorization:
- 2. The authorization or its renewal shall be produced for inspection at the request of an officer authorized by the State 3. The person authorized shall not rent, lend, sell, transfer or otherwise transport the hazardous and other wastes except

4. Any unauthorized change in personnel, equipment or working conditions as mentioned in the application by the person

5. The person authorized shall implement Emergency Response Procedure (ERP) for which this authorization is being granted considering all site specific possible scenarios such as spillages, leakages, fire etc. and their possible impacts and also 6. The person authorized shall comply with the provisions outlined in the Central Pollution Control Board guidelines on

"Implementing Liabilities for Environmental Damages due to Handling and Disposal of Hazardous Waste and Penalty" 7. It is the duty of the authorized person to take prior permission of the State Pollution Control Board to close down the

8. The imported hazardous and other wastes shall be fully insured for transit as well as for any accidental occurrence and its

9. The record of consumption and fate of the imported hazardous and other wastes shall be main sined.

10. The hazardous and other waste which gets generated during recycling or reuse or recovery or pre-processing or utilization of imported hazardous or other wastes shall be treated and disposed of as per specific conditions of authorization.

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 authorization 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:

The unit shall display details of hazardous waste at the main gate on board of 6'x 4' size.

The unit shall maintain a record of hazardous waste and other waste handled in Form-3 and shall submit annual return in Form-4 to this Board on or before 30th June of every year.

The unit shall not store the hazardous waste in the premises for a period of more than 90 days provided the board

d) The unit shall store its hazardous waste (Used Oil, HW cat. no. 5.1) for the temporary period in M5 drums under covered shed for the purpose of its sale to the authorized recycler and oil and grease skimmed (HW category no. 35.4) for the incineration through authorized TSDF Facility or can be used as fuel in furnaces for energy recovery, if it meets the specifications laid down in Part-B of Schedule-V either as such or after reprocessing.

The unit shall ensure that no damage is caused to environment during collection, storage & transportation of its HW. Clar 21/3/13

(Alok Kumar) Member Secretary



भारत सरकार जल शक्ति मंत्रालय जल संसाधन, नदी विकास और गंगा संरक्षण विभाग केन्द्रीय भूमि जल प्राधिकरण Government of India Ministry of Jal Shakti Department of Water Resources, River Development & Ganga Rejuvenation Central Ground Water Authority

(भूजल निकासी हेतु अनापत्ति प्रमाण पत्र)
NO OBJECTION CERTIFICATE (NOC) FOR GROUND WATER ABSTRACTION

Majhaulia Sugar Industries Pvt. Ltd.

Project Name:

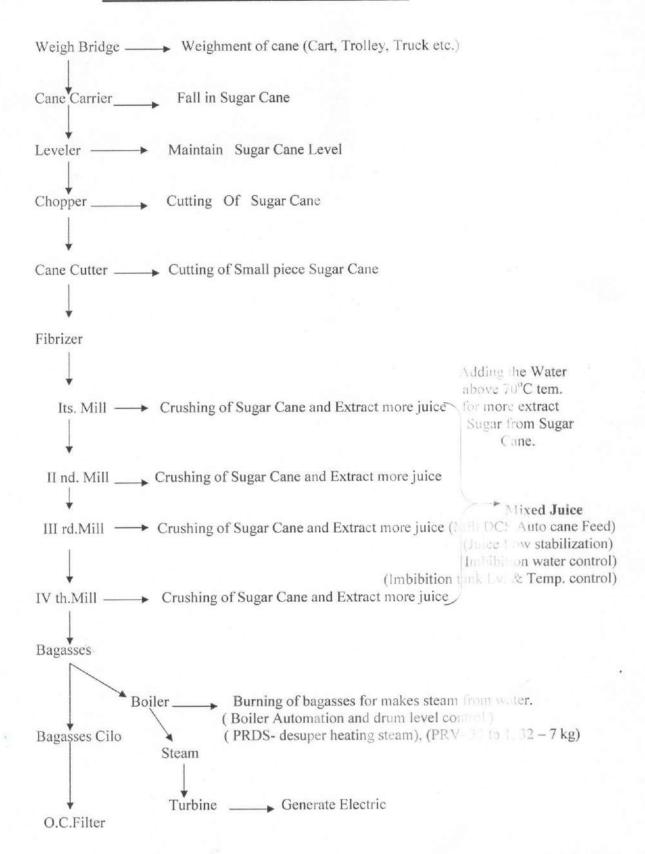
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4.	Project Sta			/2020						7. \	Valid	up to:	31/	31/12/2022		
6.	Valid from Ground W				ted:		-10	7								
8.			Straction	i i ciiiii	Saline	Water			Dewatering To			Total				
		Water		m ³	3/day m³/year			r	n³/c	lay		m³/year	m ²	3/day	m³.	/year
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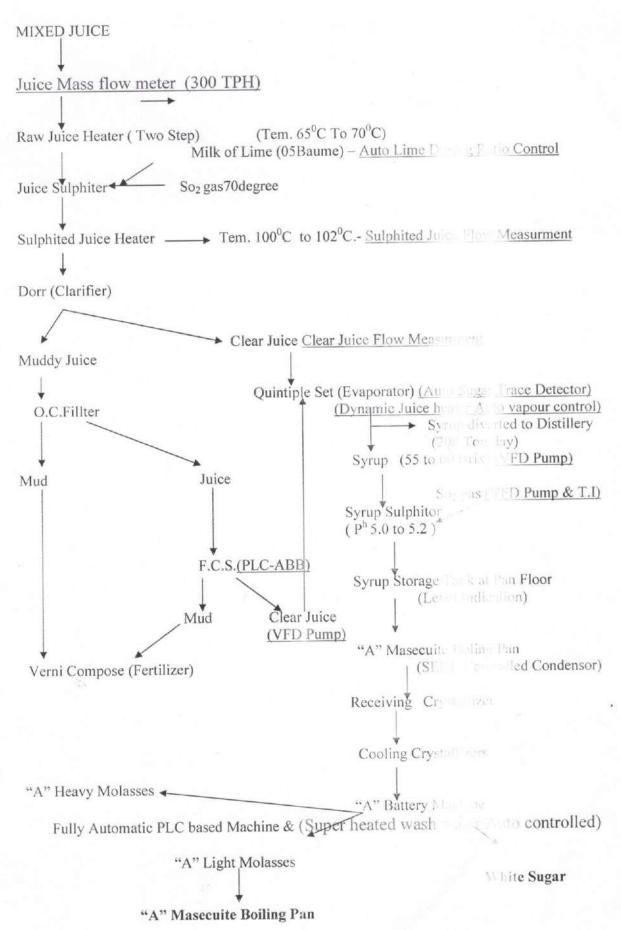
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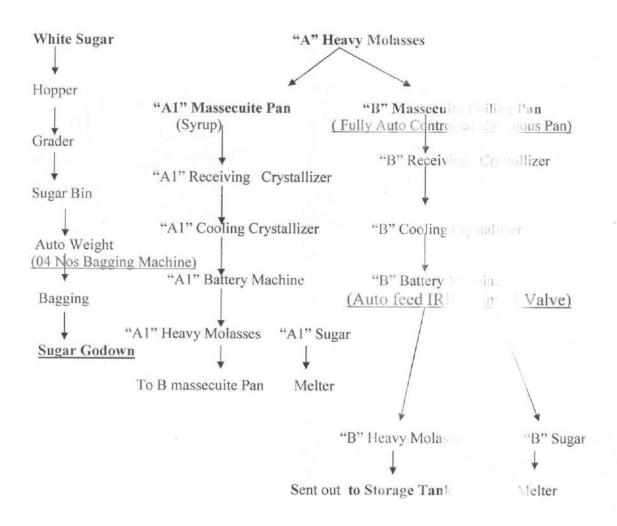
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Majhaulia sugar Industries Pvt. Ltd. MAJHAULIA

Process Flow Chart Year 2021-22







ANNEXURE - 'B' HORTICULTURE WET SCRUBBER SPRAY-POND IRRIGATION LIME ADD Eqch Size: 7.5 M x 5 M x 1.5 M EQUILAZATION TANK 5.5 M × 16.5 M × 4.5 M 90°V-NOTCH TREATED EFFLUENT STORAGE TANK MAJILAULIA SUGAR INDUSTRIES PVT LTD. MAJILAULIA, WEST CHAMIPARAN FLOW DIAGRAM OF E.T.P. 10M Dia x 2.5 M.Depth CLARIFIER PRIMARY OIL COLLECTION TANK SLUDGE DRYING BEDS (Nos. 12: System (m. 1908), place OILSKIMMER 42.2M × 16.5 M × 4.5 M AERATION TANK FILTER TANK ACTIVATAED CARBON NUTRIENT DOSING SCREEN BAR Depth 7.10" SWD TANK SISM X SIS X 2.40 FILTER SECONDARY MEDIA EFFLUENT -DUEL CLARIFIER DIA 32'10" SUMP

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(Serving since 1988)

RECOGNISED AS ENVIRONMENTAL LABORATORY BY MOEFCC, GOVT. OF INDIA, UNDER ENVIRONMENT (PROTECTION) ACT 1986, DEPTT. OF INDUSTRY, FORESTS & ENVIRONMENT, GOVT. OF BIHAR AND BIHAR STATE POLLUTION CONTROL BOARD

TEST REPORT

[a] N	lame and address of the Customer	Executive Director M/s MAJHAULIA SUGAR INDUSTRIES PVT. LTD. P.O.: Majhaulia W.Champaran – 845 454								
[b] D	etails of Sample	Untreated Efflu	ent sample	?						
	ample Collected by		SHIVA TEST		23.11.21					
	ampling Location		From Inlet of I							
-	lethod of Sampling		IS 3025, APH.							
	ampling Environmental Condition		Temp. (°C)		Humidity (%)	58				
N. Sept. All	etails of Sample Container (No. & Typ	be of Container)	Plastic Bottle	(02)		_				
-	ample Quantity		2 Litres	4						
[j] V	ems required to be tested Vhether any specific Method of Test haugested by the customer	as been	As per contract							
	ate of receiving the sample in Laborat	tory	24.11.21							
	nalysis Start Date / Analysis Completi		24.11.21/27.	11.21						
SI. No.	Parameters	Method of	Test		Result (in m except pH, C					
1.	Colour	IS 3025 (Part-4)		Pas	ses Test				
2.	pН	IS 3025 (F	Part-11)			8.61				
3.	Suspended Solids	IS 3025(F	art-17)			440.0				
4.	Total Dissolved Solids	IS 3025(F	art-16)	2450.						
5.	Oil & Grease	IS 3025 (F	Part-39)			4.2				
6.	B.O.D.(3 days at 27°C)	IS 3025 (F	² art-44) 4			410.0				
7.	C.O.D.	APHA 5	220 B			1120.0				
8.	Dissolved Phosphate as P	APHA (45	00-P-D)			5.4				
9.	Ammonical Nitrogen as N	IS 3025 (F	Part-34)			26.9				
10.	Total Kjeldahl Nitrogen as N	APHA (450	0 N org)			46.5				



Authorized Signatory

Quality Manager / CEO

. This report applies only to sample tested as above.

Total Liability of our Laboratory is limited to invoiced amount.
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TEST REPORT

[a]	Name and address of the Custome	Executive Director M/s MAJHAULIA SUGAR INDUSTRIES PVT. LTD. P.O.: Majhaulia W.Champaran – 845 454						
[b]	Details of Sample			reated Effluent sa				
	Sample Collected by			HIVA TEST HOU		1 23.11.21		
	Sampling Location			rom Outlet of ET	P			
_	Method of Sampling		15	S 3025, APHA	20	11 (0/)	50	
-	Sampling Environmental Condition	T (O 1- i)	0	Temp. (°C)	29	Humidity (%)	58	
K-00-10	Details of Sample Container (No. & Sample Quantity	Type of Container)		Plastic Bottle (02) Litres				
	Items required to be tested			s per contract				
	Whether any specific Method of Te- suggested by the customer	st has been		lo				
[k]	Date of receiving the sample in Lab	oratory		4.11.21				
	Analysis Start Date / Analysis Com	24.11.21 / 27.11.21						
S. N.	Parameters	Method of Test		Limit as per E (P) Rules Schedule VI		Result (in m except pH, C		
1	Colour	IS 3025 (Part-4)		Not Specifie	d	Co	lourless	
2	рН	IS 3025 (Part-11)	5.5 to 8.5		7.29		
3	Suspended Solids	IS 3025(Part-17))	100.0		28.0		
4	Total Dissolved Solids	IS 3025(Part-16))	2100.00		720.		
5	Oil & Grease	IS 3025 (Part-39)	10.00		1.4		
6	B.O.D.(3 days at 27°C)	IS 3025 (Part-44)	100.00			24.0	
7	C.O.D.	APHA 5220 B		Not Specifie	d	104.0		
8	Dissolved Phosphate as P	APHA (4500-P-D)	Not Specifie	d		1.1	
9	Ammonical Nitrogen as N	IS 3025 (Part-34)	Not Specifie	d		11.8	
10	Total Kjeldahl Nitrogen as N	APHA (4500 N org		Not Specifie	d		19.6	



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TEST REPORT

[a]	Name and address of the Customer		Work Order No. WP/467/17 Dt: 08.08.2017 Executive Director M/s MAJHAULIA SUGAR INDUSTRIES PVT. LTD. P.O.: Majhaulia W.Champaran – 845 454						
[b]	Details of Sample		Monitoring of	Stack Emission					
	Sample Collected by		SHIVA TEST	HOUSE on 23.11	21				
	Sampling Location		Boiler No. 9 o	f Sugar Mill					
[e]	Method of Sampling		IS 11255 (Pa						
[f]	Sampling Environmental Condition		Temp. (°C)		nidity (%)	58			
	Details of Sample Container (No. & Type of Container	ainer)	Thimble & Gl	ass Impinger					
	Sample Quantity		1						
	Items required to be tested		As per contra	ct					
[i]	Whether any specific Method of Test has been suggested by the customer		No						
[k]	Date of receiving the sample in Laboratory		24.11.21						
[1]	Analysis Start Date / Analysis Completion Date		24.11.21 / 26						
	Parameters	Met	hod of Test	Re	sults				
1.	Type of Fuel			Ва	gasse				
2.	Stack Connected to			Dumping Gr having Ster capacity		ation			
3.	Stack No.				1				
4.	Height of Stack above ground level (as reported)			30	00 M.				
5.	Dia of Stack at Top (as reported)			1.	55 M.				
6.	Material of Construction			1	Л.S.				
7.	Ambient Temperature, °C	1			29.0				
8.	Flue Gas Temperature, °C				98.0				
9.	Velocity, m/sec.	IS 11	255 (Part-3)		8.8				
10.	Volumetric Flow Rate (NM3/hr.)			47	991.1				
	Sampling Point			11	00 M.				
7.00	**************************************			Concentration (mg / NM³)	E (P)	as per Rules dule I			
12.	Particulate Matter (P.M.)	IS 11	255 (Part-1)	181.0		mg / NM³ G CO2)			
13.	Sulphur Dioxide (SO ₂)	IS 11	255 (Part-2)	12.8	Not S	pecified			
1000000	Oxides of Nitrogen (NO ₂)	IS 11	255 (Part-7)	22.3	Not Si	pecified			



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TEST REPORT

[a]	Name and address of the Customer	Executive Director M/s MAJHAULIA SUGAR INDUSTRIES PVT. LTD. P.O.: Majhaulia W.Champaran – 845 454						
[b]	Details of Sample			f Stack Emission				
[C]	Sample Collected by			HOUSE on 23.11.	21			
[d]	Sampling Location			of Sugar Mill	- 1			
[e]	Method of Sampling		IS 11255 (Pa					
[f]	Sampling Environmental Condition		Temp. (°C)		idity (%) 58			
[g]	Details of Sample Container (No. & Type of Cont	ainer)		lass Impinger	7 () 1			
[h]	Sample Quantity		1					
[i]	Items required to be tested		As per contra	act				
[]]	Whether any specific Method of Test has been suggested by the customer		No					
[k]	Date of receiving the sample in Laboratory		24.11.21					
[1]	Analysis Start Date / Analysis Completion Date		24.11.21 / 26.11.21					
	Parameters	Meth	nod of Test	Res	sults			
1.	Type of Fuel			Bag	asse			
2.	Stack Connected to				Boiler No. 10 having capacity 40.0 T / hr.			
3.	Stack No.			11				
4.	Height of Stack above ground level (as reported)			40.0	00 M.			
5.	Dia of Stack at Top (as reported)	1		2.5	5 M.			
6.	Material of Construction	1			.S.			
7.	Ambient Temperature, °C	1			9.0			
8.	Flue Gas Temperature, °C	1			2.0			
9.	Velocity, m/sec.	10.44	255 (Dart 2)		2.02			
117.00		15 11	255 (Part-3)		.1			
_	Volumetric Flow Rate (NM ³ /hr.)				526.6			
11.	Sampling Point			19.0	00 M.			
	Pi-	27		Concentration (mg / NM³)	Limit as per E (P) Rules Schedule I			
12.	Particulate Matter (P.M.)	IS 11:	255 (Part-1)	155.1	500.00 mg / NM (12% CO ₂)			
13.	Sulphur Dioxide (SO ₂)	IS 11	255 (Part-2)	11.2	Not Specified			
14	Oxides of Nitrogen (NO ₂)	IS 11:	11255 (Part-7) 19.3 Not Specifie					



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TEST REPORT

[a]	Name and address of the Customer		Executive D M/s MAJHAU P.O.: Majha W.Champar	ULIA SUGAR INDUSTRIES PVT. LTD. aulia				
[b]	Details of Sample			f Stack Emission				
[c]	Sample Collected by		SHIVA TEST	HOUSE on 23.11.	21			
[d]	Sampling Location			of Sugar Mill				
[e]	Method of Sampling		IS 11255 (Pa					
[f]	Sampling Environmental Condition		Temp. (°C)		idity (%) 58			
[g]	Details of Sample Container (No. & Type of Cont	tainer)		lass Impinger	7 ()			
	Sample Quantity		1	, ,				
	Items required to be tested		As per contra	act				
333	Whether any specific Method of Test has been suggested by the customer		No					
	Date of receiving the sample in Laboratory		24.11.21					
[1]	Analysis Start Date / Analysis Completion Date		24.11.21 / 26.11.21					
	Parameters	Meth	nod of Test	st Results				
1.	Type of Fuel			Bag	asse			
2.	Stack Connected to			11 having Ste	Type Boiler No. am generation 40.0 T / hr.			
3.	Stack No.				H			
4.	Height of Stack above ground level (as reported)			40.0	00 M.			
5.	Dia of Stack at Top (as reported)			2.5	0 M.			
6.	Material of Construction	1			.S.			
7.	Ambient Temperature, °C	1			9.0			
8.	Flue Gas Temperature, °C	-			8.0			
9.	Velocity, m/sec.	IS 11	255 (Part-3)		.5			
	Volumetric Flow Rate (NM³/hr.)	10 11	255 (1 a1t-5)		125.5			
	Sampling Point							
1.	Sampling Foliat			21.0	0 M.			
				Concentration (mg / NM³)	Limit as per E (P) Rules Schedule I			
	Particulate Matter (P.M.)	IS 112	255 (Part-1)	189.5	500.00 mg / NM ² (12% CO ₂)			
13.	Sulphur Dioxide (SO ₂)	IS 112	255 (Part-2)	14.9	Not Specified			
14	Oxides of Nitrogen (NO ₂)	IS 112	11255 (Part-7) 21.2 Not Specified					



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TEST REPORT

[a] Name and address of the Customer	M/s	Executive Director M/s MAJHAULIA SUGAR INDUSTRIES PVT. LTD. P.O.: Majhaulia W.Champaran – 845 454					
[b] Details of Sample		itoring of Ambient					
[C] Sample Collected by		Shi	va Test House on	23.11.21			
[d] Sampling Location		Witt	in Premises of Sugar	Mill			
[e] Method of Sampling		IS 5	182 (Part - 14)				
[f] Sampling Environmental Condition			Temp. (°C)	29	Humidity (%)	58	
[g] Details of Sample Container (No. & Type	of Container)	Filte	r Paper ; Glass Impi	nger			
[h] Sample Quantity		4 N					
[i] Items required to be tested		Ası	er contract				
 Whether any specific Method of Test has the customer 	been suggeste	d by No					
[k] Date of receiving the sample in Laborato	ry	24.	11.21				
[I] Analysis Start Date / Analysis Completion	n Date	24.	11.21 / 26.11.21				
	Method		Samp	oling Statio	n		
Parameters	of Test	Near Guest House	Near Store	Near Cooling Tower	Near Main Gate		
	IS 5182 (Part-23)	79.2	78.2	86.8	81.2		
[a] Particulate Matter (PM ₁₀), µg / m ³		72.4	82.7	78.2	71.4		
Resident Billion Collection (1990) Inc. Proceedings - May 1900 (1900) May 1900 (1900)	(Falt-23)	68.1	70.1	76.4	72.2		
		40.2	45.2	50.2	46.1	1	
[b] Particulate Matter (PM2.5), µg / m3	CPCB	42.1	40.4	44.1	40.2		
97-000 N E05-07-001-05		34.2	38.8	41.2 42.4		Specification	
		11.4	14.8	14.2	15.8	as per	
		14.6	15.2	15.1	17.4	NAAQS	
[c] Sulphur Dioxide as SO ₂ , μg / m ³	IS 5182	11.2	13.8	16.8	16.2	(Nov. 2009)	
[c] Sulphui Dioxide as 302, µg/iii	(Part-2)	16.2	12.2	12.2	12.4		
	1	12.1	10.6	9.8 13.2	13.2		
		10.8	11.4	9.4	14.4		
		36.4	42.4	40.2	45.5		
		33.2	46.2	44.5	44.4		
[d] Nitrogen Dioxide as NO ₂ , μg / m ³	IS 5182	38.3	44.4	40.4	42.8		
[-] ogo: Dioxide do 1102, µg/111	(Part-6)	42.1	40.6	38.8	40.4		
		34.6	38.1	41.2	37.8	1577	
		28.1	43.1	37.5	42.2		
24 Hrs. Average Value	-						
PM ₁₀		73.2	77.0	80.5	74.9	100 μg / m ³	
PM _{2.5}		38.8	41.5	45.2	42.9	60 μg / m ³	
SO ₂		12.7	13.0	12.9	14.9	80 μg / m ³	
NO ₂		35.5	42.5	40.4	42.2	80 μg / m ³	

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TEST REPORT

Ref. No. MS/TR/21-22/2612 Dt: 02.12.20				
Dt. 02.12.20	21 Your Work Order	No. WP/	467/17 Dt: 08	3.08.2017
a] Name and address of the Customer	Executive Direct M/s MAJHAULIA S P.O.: Majhaulia W.Champaran –	SUGAR IND	USTRIES PVT. LTD.	
b] Details of Sample	Monitoring of An	nbient Noi	se Level	
C] Sample Collected by	Shiva Test House			
d] Sampling Location	Within Premises of	Sugar Mill		
e] Method of Sampling	IS 9989 - 1981 (Re	aff. 2001)		
Sampling Environmental Condition	Temp. (°C)	29	Humidity (%)	58
g] Items required to be tested	As per contract			(9536)
 Whether any specific Method of Test has been suggested by the customer 	No			
Compliant Locality	TW	A of Nois	e Level in dB(A)	
Sampling Location		Day Time (6:00 am to 9:00 pm)		00 pm t
 Near Main Gate 	65.1		62.8	-1
2. Near Guest House	64.8		56.9	
Near Cooling Tower	68.9		61.2	
Near ETP	66.3		61.8	
5. Near Sugar Godown	66.7		59.8	

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TEST REPORT

1	Ref. No. MSIPL/TR/21-22/2615	Dt: 02.12.2	021 Your V		Order No. WP/467/17	Dt: 08.08.20
1	[a] Name and address of the C	ustomer		P.	xecutive Director /s MAJHAULIA SUGAR II O.: Majhaulia	NDUSTRIES PVT. L
1	b] Details of Sample	State of the state		W	.Champaran - 845 454	
L	c] Sample Collected by			We	ater sample	
1	d] Sampling Location	pling Location				23.11.21
	Method of Sampling			Co	llected from Borewell wit	hin premises
[1		ndition	The second	10	3025, APHA	
[9	Details of Sample Container	(No. & Type of C	Container)	Die	emp. (°C) 29 Hu	umidity (%) 5
IL	T campic dualitity		oritalizer)	21	stic Bottle (02)	
					per contract	
U	Whether any specific Method by the customer	of Test has bee	n suggested		per contract	SA DATE OF THE
[k	July odolollici			No		
		in Laboratory		24.	11.21	
1.7	Analysis Start Date / Analysis	Completion Dat	е	21.	11.21/26.11.21	
	The second secon	Limit as pe	r IS 10500 : 2	012		_
S. N.		Limit (mg/l.) Acceptable	Limit (mg/l.) Acceptable Permissib Limit in the absence of alternative source		Method of Test	Results in mg/l except colour, Odour, Taste, Turbidity, & pH
	Colour	5 Hazen Limit	15	# 100	10.000= 4=	
?	Odour	Agreeable	Agreeable		IS 3025 (Part-4)	< 5.0
	Taste	Agreeable	Agreeable	-	IS 3025 (Part-5)	Agreeabl
	pH	6.5 to 8.5			IS 3025 (Part-7))	Agreeabl
	Turbidity on NTU	1.00	5.00	_	IS 3025 (Part-11)	7.1
	Total Dissolved Solids (TDS)	500.00	2000.00		IS 3025 (Part-10)	<1.0
	Total Hardness as CaCO ₃	200.00	The second secon		IS 3025 (Part-16)	284.0
	Calcium as Ca	75.00	600.00		IS 3025 (Part-21)	180.0
	Magnesium as Mg	30.00	200.00		IS 3025 (Part-40)	46.5
)	Iron as Fe	1.0	100.00		IS 3025 (Part-46)	15.5
	Total Alkalinity as CaCO ₃	200.00	No relaxation	n	IS 3025 (Part-53)	0.36
	Chloride as Cl		600.00		IS 3025 (Part-23)	168.0
	Sulphate as SO ₄	250.00	1000.00		IS 3025 (Part-32)	
1	Nitrate as NO ₃	200.00	400.00		APHA (4500-E)	14.0
-	Fluoride as F	45.00	No relaxatio	n	APHA (4500 NO3 - B)	18.2
-		1.00	1.50		APHA 4500 (F D)	2.6



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Website: www.shivatest.com; www.shivatesthouse.com









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TEST REPORT

Ref. No. MSIPL/TR/21-22/	2615(a) Dt: 02.12.2021 Your V	Vork Order No. WP/46	7/17 Dt: 08.08.2017		
[a] Name and address of t	he Customer	Executive Director M/s MAJHAULIA SUG/ P.O.: Majhaulia W.Champaran – 845	AR INDUSTRIES PVT. LTD.		
[b] Details of Sample		Water sample			
[c] Sample Collected by		SHIVA TEST HOUSE			
[d] Sampling Location		Collected from Borewe	ll within premises		
		IS 3025, APHA			
fl. Sampling Environmental Condition		Temp. (°C) 29	Humidity (%) 58		
Time of Container		Sterilized Glass Bottle (01)			
1 0 111	anio (ivo a special	300 ml			
A	sted	As per contract.			
[j] Items required to be te [j] Whether any specific N by the customer	Method of Test has been suggested	No			
	ample in Laboratory	24.11.21			
[k] Date of receiving the s	nalysis Completion Date	24.11.21 / 26.11.21			
[I] Analysis Start Date / A	BACTERIOLOGICAL EXAMINA				
Parameters	Limit as per IS 10500 : 2012	Method of Test	Results (CFU / 100 ml.)		
Total Coliform	Shall not be detectable in 100 ml.	IS 15185 : 2016	Absent		



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TEST REPORT

[a] N	[a] Name and address of the Customer		General Manager M/s Majhaulia Sugar Industries Pvt. Ltd. (Distillery Project) P.O.: Majhaulia W.Champaran – 845 454					
[b] D	etails of Sample		Water Sar					
	Sample Collected by			EST HOU	THE SHALL SE			
	Sampling Location				tream o	of River Kohra		
			IS 3025,			,		
			Temp.		29	Humidity (%)	58	
[g] Details of Sample Container (No. & Type of Container)		Plastic B	ottle (02)					
[h] Sample Quantity		2 Litres						
Items required to be tested Whether any specific Method of Test has been suggested by the customer		As per contract.						
[k] D	ate of receiving the sample in Labor	atory	24.11.21					
[I] A	nalysis Start Date / Analysis Compl	etion Date	24.11.21	/24.11.2	1			
SI. No.	Parameters	Method	of Test			Result (in mg/l.) except pH		
1.	рН	IS 3025 (F	Part-11)			7.58		
2.	Total Suspended Solids	IS 3025(F	Part-17)			80.0		
3.	Total Dissolved Solids	IS 3025 (I	Part-16)			362.0		
4.	B.O.D.(3 days at 27°C)	B.O.D.(3 days at 27°C) IS 3025 (P		4) 1.4				
5.	C.O.D.	APHA (5	220 B)			12.0		
6.	Chloride as CI	IS 3025 (F	Part-32)			14.0		
7.	Dissolved Oxygen	IS 3025 (I	Part-38)			7.7		



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TEST REPORT

[a] N	a] Name and address of the Customer		General Manager M/s Majhaulia Sugar Industries Pvt. Ltd. (Distillery Project) P.O.: Majhaulia W.Champaran – 845 454				
[b] D	etails of Sample		Water Sample				
				EST HOUSE on 2			
[d] S	ampling Location				m of River Kohra		
	lethod of Sampling		IS 3025,		I	-	
[f] S	Sampling Environmental Condition		Temp.	Manager and the second	Humidity (%)	58	
	etails of Sample Container (No. & T	ype of Container)	Plastic Bo	ottle (02)			
	h] Sample Quantity		2 Litres As per contract.				
[i] It			No				
[k] D	ate of receiving the sample in Labor	atory	24.11.21				
[I] A	analysis Start Date / Analysis Compl	etion Date	24.11.21 / 24.11.21				
SI. No.	Parameters	Method	of Test		Result (in mg/l.) except pH		
1.	рН	IS 3025 (F	Part-11)		7.55		
2.	Total Suspended Solids	IS 3025(F	Part-17)		85.0		
3.	Total Dissolved Solids	IS 3025 (F	Part-16)		378.0		
4.	4. B.O.D.(3 days at 27°C) IS 3025 (P		Part-44)		1.7		
5.	C.O.D.	APHA (5	220 B)		16.0		
6.	Chloride as CI	IS 3025 (F	Part-32)		16.0		
7.	Dissolved Oxygen	19 2025 /			7.5		



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TEST REPORT

Re	f. No. MS/TR/21-22/3079 Dt: 03.	01.2022 Your W			17 Dt: 08.08	8.2017
[a] N	lame and address of the Customer		Executive Direct M/s MAJHAULIA P.O.: Majhaulia W.Champaran	SUGAR	INDUSTRIES PVT	. LTD.
	etails of Sample		Untreated Efflue			
	Sample Collected by		SHIVA TEST HO		n 14.12.21	
	Sampling Location		From Inlet of ET	P		
			IS 3025, APHA			
	Sampling Environmental Condition		Temp. (°C)	21	Humidity (%)	58
	etails of Sample Container (No. & Typ	pe of Container)	Plastic Bottle (0)	2)		
~ ~	ample Quantity		2 Litres			
Dr. of	ems required to be tested		As per contract			
S	Whether any specific Method of Test had uggested by the customer		No		9	
	ate of receiving the sample in Labora		15.12.21			
	nalysis Start Date / Analysis Complet		15.12.21 / 18.12	2.21		
SI. No.	Parameters	Method of	Test		Result (in me except pH, Co	<u> </u>
1.	Colour	IS 3025 (Part-4)		Pass	ses Test
2.	рН	IS 3025 (F	Part-11)			8.52
3.	Suspended Solids	IS 3025(F	Part-17)			410.0
4.	Total Dissolved Solids	IS 3025(F	Part-16)			2500.0
5.	Oil & Grease	IS 3025 (F	Part-39)			4.4
6.	B.O.D.(3 days at 27°C)	IS 3025 (F	Part-44)			380.0
7.	C.O.D.	APHA 5	220 B			1080.0
8.	Dissolved Phosphate as P	APHA (45	00-P-D)			5.1
9.	Ammonical Nitrogen as N	IS 3025 (F	Part-34)			24.1
10.	Total Kjeldahl Nitrogen as N	APHA (450	00 N org)			45.9



Authorized Signatory
Quality Manager / CEO

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TEST REPORT

[a]	Name and address of the Custome	Executive Director M/s MAJHAULIA SUGAR INDUSTRIES PVT. LTD. P.O.: Majhaulia W.Champaran – 845 454						
	Details of Sample			reated Effluent sample				
	Sample Collected by			HIVA TEST HOUSE	on 14.12.21			
	Sampling Location			rom Outlet of ETP				
-	Method of Sampling		IS	3025, APHA				
[f]	Sampling Environmental Condition			Temp. (°C) 21	Humidity (%)	58		
	Details of Sample Container (No. &	Type of Container)		lastic Bottle (02)				
			_	Litres				
	Items required to be tested		A:	s per contract				
	Whether any specific Method of Tes suggested by the customer		N					
[k]	Date of receiving the sample in Lab			5.12.21				
	Analysis Start Date / Analysis Com	The state of the s	15.12.21 / 18.12.21					
S. N.	Parameters	Method of Test	Limit as per E (P) Rules Schedule VI				Result (in mg/ except pH, Cole	
1	Colour	IS 3025 (Part-4)		Not Specified	Colo	urless		
2	рН	IS 3025 (Part-11))	5.5 to 8.5		7.31		
3	Suspended Solids	IS 3025(Part-17)		100.0		26.0		
4	Total Dissolved Solids	IS 3025(Part-16)		2100.00		730.0		
5	Oil & Grease	IS 3025 (Part-39))	10.00		1.2		
6	B.O.D.(3 days at 27°C)	IS 3025 (Part-44)		100.00		26.0		
7	C.O.D.	APHA 5220 B		Not Specified		124.0		
8	Dissolved Phosphate as P	APHA (4500-P-D)	Not Specified		1.2		
9	Ammonical Nitrogen as N	IS 3025 (Part-34)		Not Specified		11.2		
10	Total Kjeldahl Nitrogen as N	APHA (4500 N org)	Not Specified		18.5		



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TEST REPORT

	Name and address of the Customer		Executive Director M/s MAJHAULIA SUGAR INDUSTRIES PVT. LTD. P.O.: Majhaulia W.Champaran – 845 454					
	Details of Sample		Monitoring of Stack Emission					
	Sample Collected by		SHIVA TES	/A TEST HOUSE on 14.12.21				
[d]	ampling Location Roiler N			of Sugar Mill				
100	Method of Sampling			art-1,2,3 & 7)				
[f]	Sampling Environmental Condition			21 Hum	idity (%) 58			
[g]	Details of Sample Container (No. & Type of Con-	tainer)	Thimble & G	lass Impinger				
	Sample Quantity		1					
	Items required to be tested		As per contr	act				
	Whether any specific Method of Test has been suggested by the customer		No					
	Date of receiving the sample in Laboratory		15.12.21					
[1]	Analysis Start Date / Analysis Completion Date		15.12.21 / 17	7.12.21				
	Parameters	Meth	od of Test	Re	sults			
1.	Type of Fuel			Bac	jasse			
2.	Stack Connected to			Dumping Gra having Stea	m generation 32.0 T / hr.			
3.	Stack No.			- Capacity	1			
4.	Height of Stack above ground level (as reported)			30.0	00 M.			
5.	Dia of Stack at Top (as reported)	1		1.5	5 M.			
6.	Material of Construction				.S.			
7.	Ambient Temperature, °C				10			
3.	Flue Gas Temperature, °C			96	5.0			
9.	Velocity, m/sec.	IS 112	255 (Part-3)	5000	.7			
10.	Volumetric Flow Rate (NM3/hr.)		()		02.9			
	Sampling Point				0 M.			
				Concentration (mg / NM³)	Limit as per E (P) Rules Schedule I			
	Particulate Matter (P.M.)	IS 112	255 (Part-1)	182.8	500.00 mg / NM ³ (12% CO ₂)			
	Sulphur Dioxide (SO ₂)	IS 112	55 (Part-2)	13.1	Not Specified			
4.	Oxides of Nitrogen (NO ₂)	IS 112	55 (Part-7)	23.2	Not Specified			



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TEST REPORT

	Ref. No. MS/TR/21-22/3082 Dt: 03.01.202	2 Your W			Dt: 08.08.2017			
[a]	Name and address of the Customer		Executive Director M/s MAJHAULIA SUGAR INDUSTRIES PVT. LTD. P.O.: Majhaulia W.Champaran – 845 454					
[b]	Details of Sample		Monitoring of	f Stack Emission				
[c]	Sample Collected by		SHIVA TES	T HOUSE on 14.12.	21			
[d]				of Sugar Mill	21			
_	Method of Sampling Sampling Environmental Condition			art-1,2,3 & 7)				
[f]			Temp. (°C)		nidity (%) 58			
[g]	Details of Sample Container (No. & Type of Container)		Thimble & G	himble & Glass Impinger				
[h]	Sample Quantity		1					
	Items required to be tested		As per contri	act				
[]	Whether any specific Method of Test has been suggested by the customer		No					
[k]	Date of receiving the sample in Laboratory		15.12.21					
[1]	Analysis Start Date / Analysis Completion Date		15.12.21 / 17	7.12.21				
_	Parameters	Meth	nod of Test	Re	sults			
1.	Type of Fuel			Bad	asse			
2.	Stack Connected to			Horse Shoe Type	Boiler No. 10 having capacity 40.0 T / hr.			
3.	Stack No.				11			
4.	Height of Stack above ground level (as reported)				00 M.			
5.	Dia of Stack at Top (as reported)			2.5	5 M.			
ò.	Material of Construction				LS.			
	Ambient Temperature, °C				1.0			
3.	Flue Gas Temperature, °C	1			1.0			
).	Velocity, m/sec.	IS 113	255 (Part-3)		0.0			
0.	Volumetric Flow Rate (NM ³ /hr.)	10 112	200 (1 411-5)		397.3			
	Sampling Point							
				19.0	00 M.			
	\$4.			Concentration (mg / NM³)	Limit as per E (P) Rules Schedule I			
	Particulate Matter (P.M.)	_	255 (Part-1)	154.8	500.00 mg / NM ⁻¹ (12% CO ₂)			
/	Sulphur Dioxide (SO ₂)	IS 112	255 (Part-2)	11.1	Not Specified			
4.	Oxides of Nitrogen (NO ₂)	IS 112	255 (Part-7)	19.1	Not Specified			



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TEST REPORT

	ESI KEI					
Ref. No. MS/TR/21-22/3083 Dt: 03.01.20.	22 Your V	Vork Order N	o. WP/467/17	Dt: 08.08.2017		
[a] Name and address of the Customer		Executive Director M/s MAJHAULIA SUGAR INDUSTRIES PVT. LTD. P.O.: Majhaulia W.Champaran – 845 454				
[b] Details of Sample		Monitoring	of Stack Emission			
[c] Sample Collected by [d] Sampling Location		SHIVA TES	ST HOUSE on 14.1	2.24		
[e] Method of Sampling		Boiler No. 1	1 of Sugar Mill	2.21		
[f] Sampling Environmental Condition		IS 11255 (F	Part-1.2.3 & 7)			
[g] Details of Sample Container (No. & Type of		Temp. (°C)	21 Hu	midity (%) 58		
[h] Sample Quantity	ntainer)	Thimble & (Glass Impinger	ary (70)		
i) Items required to be tested		1				
Whether any specific Method of Test has been		As per cont	ract			
suggested by the customer		No				
k] Date of receiving the sample in Laboratory		15.12.21				
Analysis Start Date / Analysis Completion Date		15.12.21/1	7 12 24			
Parameters	Meth	od of Test				
. Type of Fuel		00 01 1031		esults		
-				igasse		
2. Stack Connected to			11 having St	e Type Boiler No eam generation		
Stack No.			capacity	40.0 T / hr.		
 Height of Stack above ground level (as reported) 			40	00 M		
Dia of Stack at Top (as reported)	+		40.	OU IVI.		
Material of Construction	-		2.5	50 M.		
Ambient Temperature, °C			N	1.S.		
			2	1.0		
C				06.0		
- clocky, masec.	IS 112	55 (Part-3)		3.4		
). Volumetric Flow Rate (NM³/hr.)				656.4		
. Sampling Point				00 M.		
\$6						
Dodin Li Na			Concentration (mg / NM³)	Limit as per E (P) Rules Schedule I		
Particulate Matter (P.M.) Sulphur Dioxide (SO ₂)		55 (Part-1)	187.5	500.00 mg / NM ³ (12% CO ₂)		
Ovides of Nitroger (NO	IS 1125	5 (Part-2)	14.3	Not Specified		
Oxides of Nitrogen (NO ₂)	IS 1125	5 (Part-7)	20.8	Not Specified		



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TEST REPORT

[a] Name and address of the Customer			M/s N P.O.:	utive Directo MAJHAULIA SU Majhaulia namparan – 8	JGAR INDUS	STRIES PVT. L	TD.		
[b] Details of Sample			Monitoring of Ambient Air Quality						
[C] Sample Collected by				Test House on	CONTROL DE LOCALISTE				
d] Sampling Location				Premises of Sugar					
				2 (Part - 14)					
[f] Sampling Environmental Condition			Te	emp. (°C)	21	Humidity (%)	58		
[g] Details of Sample Container (No. & Type	of Container)		Filter F	aper; Glass Imp	inger				
[h] Sample Quantity			4 Nos.						
[i] Items required to be tested			As per	contract					
 Whether any specific Method of Test has the customer 		d by	No						
 [k] Date of receiving the sample in Laborato 	ry		15.12	.21					
[I] Analysis Start Date / Analysis Completion	n Date		15.12	.21 / 17.12.21					
	Method			Sami	oling Statio	n			
Parameters of Test		Nea Gues Hous	st	Near Store	Near Cooling Tower	Near Main Gate			
	10 5400	85.5	5	84.5	87.9	87.7	1		
[a] Particulate Matter (PM ₁₀), μg / m ³	IS 5182 (Part-23)	78.2	2	89.3	84.5	81.9	1		
	(i dit 25)	73.5	5	75.7	78.3	82.7			
A 47/420 Dec 1970 1980 Dec 198			43.4	1	48.8	51.4	52.1		
[b] Particulate Matter (PM _{2.5}), μg / m ³			CPCB 4	45.5	5	43.6	47.6	51.4	
		36.9		41.9		48.1	Specification		
		12.1		12.3	15.2	16.9	as per		
		15.5	i	15.8	16.2	18.6	NAAQS		
c] Sulphur Dioxide as SO ₂ , µg / m ³	IS 5182	11.9)	12.1	18.0	17.3	(Nov. '2009)		
, pg,	(Part-2)	17.2	2	17.5	13.1	13.3			
		12.8	3	13.1	10.5	14.1			
		11.4	_	11.7	10.1	15.4			
		38.9		45.4	43.0	49.1			
		35.5	9 10	49.4	47.6	48.0			
d] Nitrogen Dioxide as NO ₂ , μg / m³	IS 5182	41.0		47.5	43.2	46.2			
	(Part-6)	45.0	14	43.4	41.5	43.6			
		37.0		40.8	44.1	40.8			
Alles Assessed Vol		30.1		46.1	40.1	45.6			
4 Hrs. Average Value									
PM ₁₀		79.1		83.2	83.6	84.4	100 μg / m ³		
PM _{2.5}		41.9		44.8	47.8	50.5	60 μg / m ³		
SO ₂		13.5		13.7	13.8	15.9	80 μg / m ³		
NO ₂	Į.	37.9		45.4	43.3	45.6	80 μg / m ³		



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TES	T REPORT		OLLUTION CONTROL	
Ref. No. MS/TR/21-22/3085 Dt: 03.01.202	2 Your Work Orde	r No. WP.	7/467/17 Dt: 0	8.08.201
[a] Name and address of the Customer	Executive Direc	tor SUGAR IND	DUSTRIES PVT. LTD.	
[b] Details of Sample	Monitoring of A		ica Laval	
[C] Sample Collected by	Shiva Test House	on 14/15	12 20	
[d] Sampling Location	Within Premises of			
[e] Method of Sampling	IS 9989 – 1981 (Re	Sugar Mill	l .	
[f] Sampling Environmental Condition	Temp. (°C)	21	11	
g] Items required to be tested	As per contract	21	Humidity (%)	58
 Mhether any specific Method of Test has been suggested by the customer 	No No			
Sampling Location	TW	A of Nois	e Level in dB(A)	
	Day Time (6:0 9:00 pn	00 am to	Night time (10 6:00 ar	:00 pm to
 Near Main Gate 	67.3	-	63.1	(1)
Near Guest House	63.7		63.1	
3. Near Cooling Tower			55.9	
	69.1		61.1	
TOOL ETT	67.2		61.3	
Near Sugar Godown	66.5		60.2	
The Ambient Air Quality Standards in respect of 2000 for Industrial area is 75.0 dB(A), for Collection & for Silence Zone is 50.0 dB(A) in daytime i.e. 6.0 against violator if the noise level exceed the ambient	000	O UD(A), 101	(Regulation and Cont Residential area is	550 ARIA

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f	Ref. No. MSIPL/TR/21-22/30	086 Dt: 03.01.	2022 Your	Work	Order No. WP/467/17	Dt: 08.08.20			
[a] Name and address of the Customer				Executive Director M/s MAJHAULIA SUCAR MENA					
	[b] Details of Sample								
[c] Sample Collected by				W	W.Champaran – 845 454 Water sample				
[d] Sampling Location					SHIV A TEST HOUSE on 14.12.21				
[e] Method of Sampling					Collected from Borewell within premises				
III Sampling Environment to				IS	IS 3025, APHA				
1	Doddie U Sample Contain-	r (No & Type of	0 1 .	17	emp. (°C) 21 1	lumidit. (0)			
1	Sample Quantity	trio. a Type of	Container)	Pla	Plastic Bottle (02) 58				
	Items required to be tested			2 Litros					
	Whether any specific Mothe	d of Test has her	an eugasst.	As	per contract				
[k	by the customer	1145 156	on suggested	No					
[1]	Date of receiving the sample	in Laboratory		10000					
1.7	Analysis Start Date / Analysi	Totale / Analysis Completion Date			15.12.21				
		Limit as per IS 10500 : 20		012	15.12.21 / 17.12.21				
S. N.	Parameters	Limit (mg/l.) Acceptable	Permissib Limit in the absence of alternative	e of	Method of Test	Results in mg/l. except colour, Odour, Taste,			
	Colour	olour 5 Hazen Limit 15		Turbidity, & pl					
	Odour	ur 5 Hazen Limit			IS 3025 (Part-4)	150			
	Taste	Agreeable .	Agreeable		IS 3025 (Part-5)	< 5.00			
	pH		Agreeable		IS 3025 (Part-7))	Agreeable			
	Turbidity on NTU	6.5 to 8.5			IS 3025 (Part-11)	Agreeable			
	Total Dissolved Solids (TDS)		5.00		IS 3025 (Part-10)	7.15			
1	Total Hardness as CaCO ₃	500.00	2000.00		IS 3025 (Part-16)	<1.0			
1	Calcium as Ca	200.00	600.00		IS 3025 (Part-21)	296.0			
1	Magnesium as Mg	75.00	200.00		IS 3025 (Part-40)	192.0			
1	Iron as Fe	30.00	100.00		IS 3025 (Part-40)	49.5			
	Total Alkalinity as CaCO ₃	1.0	No relaxation	n	IS 3025 (Part-46)	16.7			
1	Chloride as CI	200.00	600.00	1	IS 3025 (Part-53)	0.42			
1	Sulphate as SO ₄	250.00 1000.00		IS 3025 (Part-23) 17					
1	Nitrate as NO ₃	200.00	400.00	1	IS 3025 (Part-32)	18.0			
1	luoride as F	45.00	No relaxation	-	APHA (4500-E)	20.4			
1 1	idonae as F	1.00	1.50	-	APHA (4500 NO3 – B) APHA 4500 (F D)	2.8			
			1100	1	ADDA 4500 /5	2.0			



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TEST REPORT

Ref. No. MSIPL/TR/21-22/	3086(a) Dt: 03.01.2022 Your V	Vork Order No. WP/46	57/17 Dt: 08.08.2017			
[a] Name and address of		Executive Director M/s MAJHAULIA SUGAR INDUSTRIES PVT. LTD. P.O.: Majhaulia W.Champaran – 845 454				
[b] Details of Sample		Water sample				
[c] Sample Collected by		SHIVA TEST HOUSE on 14.12.21				
[d] Sampling Location		Collected from Borewell within premises				
[e] Method of Sampling		IS 3025, APHA				
[f] Sampling Environment	tal Condition	Temp. (°C) 21	Humidity (%) 58			
[g] Details of Sample Con	tainer (No. & Type of Container)	Sterilized Glass Bottle (01)				
[h] Sample Quantity		300 ml				
[ii] Items required to be te	sted	As per contract.				
[j] Whether any specific N by the customer	Method of Test has been suggested	No				
[k] Date of receiving the s	ample in Laboratory	15.12.21				
[I] Analysis Start Date / A	nalysis Completion Date	15.12.21 / 17.12.21				
III / manyolo otalit pate / /	BACTERIOLOGICAL EXAMINA	ATION OF WATER				
Parameters	Limit as per IS 10500 : 2012	Method of Test	Results (CFU / 100 ml.)			
Total Coliform Shall not be detectable in 100 ml.		IS 15185 : 2016	Absent			



Authorized Signatory Quality Manager / CEO

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Contact us:

122-C, Aastha, Road No. 5A, Patliputra Colony, Patna - 800 013 (Bihar)

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TEST REPORT

[a] N] Name and address of the Customer			Executive Director M/s MAJHAULIA SUGAR INDUSTRIES PVT. LTD. P.O.: Majhaulia W.Champaran – 845 454				
				Untreated Effluent sample				
				SHIVA TEST HOUSE on 08.01.22				
				From Inlet of ETP				
[e] Method of Sampling			IS 3025, APHA					
-				Temp. (°C) 16 Humidity (%) 72				
[g] Details of Sample Container (No. & Type of Container)			Plastic Bottle (02)					
[h] Sample Quantity [i] Items required to be tested			2 Litres As per contract					
[j] Whether any specific Method of Test has been suggested by the customer			No					
[k] Date of receiving the sample in Laboratory			09.01.22					
[I] Analysis Start Date / Analysis Completion Date			09.01.22 / 12.01.22					
SI. No.	Parameters	Method of	Test	Result (in mg/l.) except pH, Colour				
1.	Colour	IS 3025 (Part-4)	Passes Tes				
2.	рН	IS 3025 (F	Part-11)	8.28				
3.	Suspended Solids	IS 3025(F	Part-17)	380.				
4.	Total Dissolved Solids	IS 3025(F	Part-16)	2600.				
5.	Oil & Grease	IS 3025 (F	Part-39)	4.				
6.	B.O.D.(3 days at 27°C)	IS 3025 (F	Part-44)	520				
7.	C.O.D.	APHA 5	220 B	1440.0				
8.	Dissolved Phosphate as P	APHA (45	00-P-D)	4.				
9.	Ammonical Nitrogen as N	IS 3025 (F	Part-34)	28.0				
10.	Total Kjeldahl Nitrogen as N	APHA (450	00 N org)	50.4				





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TEST REPORT

[a]	Name and address of the Customer			Executive Director M/s MAJHAULIA SUGAR INDUSTRIES PVT. LTD. P.O.: Majhaulia W.Champaran – 845 454						
[b]	Details of Sample	Treated Effluent sample								
[c]	Sample Collected by			SHIVA TEST HOUSE on 08.01.22						
	Sampling Location	From Outlet of ETP								
-	Method of Sampling	IS 3025, APHA Temp (°C) 16 Humidity (%) 72								
	Sampling Environmental Condition			Temp. (°C)	16	Humidity (%)	12			
				Plastic Bottle (02) 2 Litres						
	Sample Quantity Items required to be tested			As per contract						
[1]	Whether any specific Method of Test has been suggested by the customer			No						
[k]	Date of receiving the sample in Laboratory			09.01.22						
[1]	analysis Start Date / Analysis Completion Date			09.01.22 / 12.01.22						
S. N.	Parameters	Method of Test		Limit as per E (P) Rules Schedule VI		Result (in n except pH, 0				
1	Colour	IS 3025 (Part-4)		Not Specified		Colourles				
2	pH	IS 3025 (Part-11)		5.5 to 8.5		7.36				
3	Suspended Solids	IS 3025(Part-17)		100.0		52.0				
4	Total Dissolved Solids	IS 3025(Part-16)		2100.00		740.0				
5	Oil & Grease	IS 3025 (Part-39		10.00		1.				
6	B.O.D.(3 days at 27°C)	IS 3025 (Part-44)		100.00		24.0				
7	C.O.D.	APHA 5220 B		Not Specified		112.				
8	Dissolved Phosphate as P	APHA (4500-P-D) Not Specified		1.				
9	Ammonical Nitrogen as N	IS 3025 (Part-34		Not Specified		11.8				
10	Total Kjeldahl Nitrogen as N	APHA (4500 N org	7)	Not Specifie	d		19.0			



Authorized Signatory Quality Manager / CEO

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TEST REPORT

[a]	Name and address of the Customer P.O.: Majhauli W.Champaran			IA SUGAR INDUSTRIES PVT. LTD. lia n – 845 454		
[b]	Details of Sample		Monitoring of	Stack Emission		
	Sample Collected by		SHIVA TEST	HOUSE on 08.01.	22	
	Sampling Location		Boiler No. 9 of	Sugar Mill		
	Method of Sampling		IS 11255 (Par			
	Sampling Environmental Condition		Temp. (°C)		nidity (%)	72
[g]	Details of Sample Container (No. & Type of Container	ainer)	Thimble & Gla	ass Impinger		
	Sample Quantity		1			
[i]	Items required to be tested		As per contra	ct		
[i]	Whether any specific Method of Test has been suggested by the customer		No			
[k]	Date of receiving the sample in Laboratory		09.01.22			
[1]	Analysis Start Date / Analysis Completion Date		09.01.22 / 11.			
h.d.	Parameters	Met	hod of Test	Re	sults	
1.	Type of Fuel			Ba	gasse	
2.	Stack Connected to			Dumping Gr having Ste capacity		ation
3.	Stack No.				1	
4.	Height of Stack above ground level (as reported)				.00 M.	
5.	Dia of Stack at Top (as reported)			1.	55 M.	
6.	Material of Construction				M.S.	
7.	Ambient Temperature, °C				16.0	
8.	Flue Gas Temperature, °C				90.0	
9.	Velocity, m/sec.	IS 11	1255 (Part-3)		8.4	
	Volumetric Flow Rate (NM³/hr.)			46	819.3	
				11	.00 M.	
11.	Sampling Point			Concentration (mg / NM³)	Limi E (P	t as per Rules edule I
12.	Particulate Matter (P.M.)	IS 1	1255 (Part-1)	172.2		mg / NM % CO₂)
13	Sulphur Dioxide (SO ₂)	IS 1	1255 (Part-2)	12.4	Not S	pecified
	Oxides of Nitrogen (NO ₂)	IS 11255 (Part-7)		24.1	Not S	Specified



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TEST REPORT

[a]	Name and address of the Customer		Executive Director M/s MAJHAULIA SUGAR INDUSTRIES PVT. LTD. P.O.: Majhaulia W.Champaran – 845 454			
[b]	Details of Sample	Monitoring of	Stack Emission			
	Sample Collected by		SHIVA TEST	HOUSE on 08.01.2	2	
	Sampling Location		Boiler No. 10			
[e]	Method of Sampling		IS 11255 (Pa			
[f]	Sampling Environmental Condition		Temp. (°C)	- A	dity (%) 72	
	Details of Sample Container (No. & Type of Container	ainer)	Thimble & Gl	ass Impinger		
N #	Sample Quantity		1			
[1]	Items required to be tested		As per contra	Cī		
[]]	Whether any specific Method of Test has been suggested by the customer		No			
[k]	Date of receiving the sample in Laboratory		09.01.22			
[1]	Analysis Start Date / Analysis Completion Date	T	09.01.22 / 11	1.01.22 Results		
	Parameters	Meti	nod of Test	3100000	(Asserting to Land	
1.	Type of Fuel				asse	
2.	Stack Connected to				Boiler No. 10 having apacity 40.0 T / hr.	
3.	Stack No.				I	
4.	Height of Stack above ground level (as reported)			40.0	00 M.	
5.	Dia of Stack at Top (as reported)			2.5	5 M.	
6.	Material of Construction	1		M	S.	
7.	Ambient Temperature, °C				3.0	
	Flue Gas Temperature, °C	-			5.0	
8.	Manual Maria and Maria San San San San San San San San San Sa	10.44	055 (D-+ 0)			
9.	Velocity, m/sec.	15 11	255 (Part-3)		.5	
	Volumetric Flow Rate (NM³/hr.))18.4	
11.	Sampling Point			19.0	0 M.	
				Concentration (mg / NM³)	Limit as per E (P) Rules Schedule I	
12.	Particulate Matter (P.M.)	IS 11	255 (Part-1)	136.2	500.00 mg / NM (12% CO ₂)	
CALIFERNI	0. l- l Diid- (00 \	IS 11255 (Part-2)		12.8	Not Specified	
13.	Sulphur Dioxide (SO ₂)	10 11	200 (Fait-2)	12.0	TVOI Specified	



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TEST REPORT

	Name and address of the Customer	Executive Director M/s MAJHAULIA SUGAR INDUSTRIES PVT. LTD. P.O.: Majhaulia W.Champaran – 845 454					
[b]	Details of Sample		f Stack Emission				
	Sample Collected by			HOUSE on 08.01.	22		
	Sampling Location			of Sugar Mill			
	Method of Sampling		IS 11255 (Pa				
[f]	Sampling Environmental Condition		Temp. (°C)		idity (%) 72		
[g]	Details of Sample Container (No. & Type of Cont	tainer)	Thimble & G	lass Impinger			
Bear Barrell	Sample Quantity Items required to be tested		1	4			
[i] [i]	Whether any specific Method of Test has been		As per contra	act			
ПI	suggested by the customer		No				
[k]	Date of receiving the sample in Laboratory		09.01.22				
[1]	Analysis Start Date / Analysis Completion Date		09.01.22 / 11.01.22				
	Parameters	Meth	nod of Test	Results			
1.	Type of Fuel			Bac	asse		
2.	Stack Connected to			Dumping Grate 11 having Ste	Type Boiler No eam generation 40.0 T / hr.		
3.	Stack No.				III		
4.	Height of Stack above ground level (as reported)			40.0	00 M.		
5.	Dia of Stack at Top (as reported)			2.5	0 M.		
6.	Material of Construction				.S.		
7.	Ambient Temperature, °C				6.0		
3.	Flue Gas Temperature, °C				8.0		
9.	Velocity, m/sec.	IS 11	255 (Part-3)		.2		
10	Volumetric Flow Rate (NM³/hr.)	10 11	200 (1 411 0)		334.5		
	Sampling Point						
	Camping Form			21.0	00 M.		
				Concentration (mg / NM³)	Limit as per E (P) Rules Schedule I		
	Particulate Matter (P.M.)	IS 11255 (Part-1)		166.8	500.00 mg / NM (12% CO ₂)		
13.	Sulphur Dioxide (SO ₂)	IS 112	255 (Part-2)	15.6	Not Specified		
14	Oxides of Nitrogen (NO ₂)	rogen (NO ₂) IS 11255 (Part-7)		22.2	Not Specified		

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Authorized Signatory
Quality Manager / CEO

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TEST REPORT

[a] Name and address of the Customer			Executive Director M/s MAJHAULIA SUGAR INDUSTRIES PVT. LTD. P.O.: Majhaulia W.Champaran – 845 454					
Details of Sample				oring of Ambient	Air Quality			
Details of Sample Cl Sample Collected by				Test House on	08.01.22			
d Sampling Location			Within	Premises of Sugar	Mill			
e Method of Sampling			IS 518	2 (Part - 14)				
f] Sampling Environmental Condition			T	emp. (°C)	16	Humidity (%)	72	
g] Details of Sample Container (No. & Type	of Container)		Filter	Paper ; Glass Impir	nger			
h] Sample Quantity			4 Nos					
-			As pe	contract				
il Items required to be tested Whether any specific Method of Test has the customer	been suggeste	d by	No					
[k] Date of receiving the sample in Laborato	rv		09.0	1.22				
II Analysis Start Date / Analysis Completio			09.0	1.22 / 11.01.22				
Analysis Start Date / Analysis Complete	100		Sampling Station					
Parameters	Method _ of	Ne		Near Store	Near Cooling	Near Main		
	Test	Hou	5 550	Wedi Otoro	Tower	Gate		
	IS 5182 (Part-23)	88.3		87.9	91.4	90.3		
[a] Particulate Matter (PM ₁₀), μg /		81		92.9	87.9	84.4		
m ³		74	.5	78.7	81.4	85.2	-	
	СРСВ	49.5 44.8		50.8	53.5	53.7		
[b] Particulate Matter (PM _{2.5}), μg /				45.3	49.5	52.9	Specificatio	
m³		41		43.6	46.3	49.5	as per	
		15		12.8	15.8 16.8	17.4 19.2	NAAQS	
	10 -100		.4	16.4 12.6	18.7	17.8	(Nov. 2009	
[c] Sulphur Dioxide as SO ₂ , μg / m ³	IS 5182 (Part-2)		3.5 2.1	18.2	13.6	13.7		
[o] odipital Diomoc de C 2175	(Pall-2)		1.5	13.6	10.9	14.5		
			1.3	12.2	10.5	15.9		
		36	3.3	47.2	44.7	50.6		
		1772	5.5	51.4	49.5	49.4		
Idl Nitrogen Diovide as NOa /m3	IS 5182		8.1	49.4	44.9	47.6 44.9		
[d] Nitrogen Dioxide as NO ₂ , μg / m ³	(Part-6)		1.2	45.1 42.4	43.2 45.9	42.0		
			3.6 3.9	47.9	41.7	47.0		
0.4.14		20	3.5	41.0				
24 Hrs. Average Value		9	1.5	86.5	86.9	86.6	100 μg / m	
PM ₁₀		- 50		46.6	49.7	52.0	60 μg / m ³	
PM _{2.5}			5.3	14.3	14.4	16.0	80 μg / m ³	
SO ₂			3.1	0.00000		46.9	80 μg / m ³	
NO_2		32	2.0	47.3	45.0	46.9	ou μg / m	



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22 Your Work Order	No. WP/	467/17 Dt: 08	8.08.2017		
Executive Director M/s MAJHAULIA SUGAR INDUSTRIES PVT. LTD. P.O.: Majhaulia W.Champaran – 845 454					
		se Level			
Temp. (°C)	16	Humidity (%)	72		
As per contract					
No					
TWA of Noise Level in dB(A)					
Day Time (6:00 am to 9:00 pm)		Night time (10:00 pm to			
68.1			7		
63.9	63.9				
69.6					
65.5		61.5			
	Executive Director M/s MAJHAULIA SI P.O.: Majhaulia W.Champaran – 8 Monitoring of Am Shiva Test House Within Premises of IS 9989 – 1981 (Rea Temp. (°C) As per contract No TWA Day Time (6:00 9:00 pm 68.1 63.9 69.6 67.8	Executive Director M/s MAJHAULIA SUGAR INDI P.O.: Majhaulia W.Champaran – 845 454 Monitoring of Ambient Nois Shiva Test House on 08/09.0 Within Premises of Sugar Mill IS 9989 – 1981 (Reaff. 2001) Temp. (°C) 16 As per contract No TWA of Noise Day Time (6:00 am to 9:00 pm) 68.1 63.9 69.6 67.8	Executive Director M/s MAJHAULIA SUGAR INDUSTRIES PVT. LTD. P.O.: Majhaulia W.Champaran – 845 454 Monitoring of Ambient Noise Level Shiva Test House on 08/09.01.22 Within Premises of Sugar Mill IS 9989 – 1981 (Reaff. 2001) Temp. (°C) 16 Humidity (%) As per contract No TWA of Noise Level in dB(A) Day Time (6:00 am to 9:00 pm) 6:00 am 68.1 62.9 63.9 55.5 69.6 62.2 67.8 61.5		

N.B.:

The Ambient Air Quality Standards in respect of Noise as per Noise Pollution (Regulation and Control) Rules 2000 for Industrial area is 75.0 dB(A), for Commercial area is 65.0 dB(A), for Residential area is 55.0 dB(A) & for Silence Zone is 50.0 dB(A) in daytime i.e. 6.00 am to 9.0 p.m. As per Rule 7(1&2) the authority shall take action against violator if the noise level exceed the ambient noise standards by 10 dB(A) or more against any area/zone.



Authorized Signatory

Quality Manager / CEO

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TEST REPORT

[a] Name and address of the Customer			Executive Director M/s MAJHAULIA SUGAR INDUSTRIES PVT. LTD. P.O.: Majhaulia W.Champaran – 845 454			
[b] D	etails of Sample		Untreated Eff			
	ample Collected by			HOUSE on 07.02.22		
	ampling Location		From Inlet of			
	lethod of Sampling		IS 3025, API			
A 4	ampling Environmental Condition		Temp. (°C			
AMA	etails of Sample Container (No. & Type	be of Container)	Plastic Bottle	(02)		
	ample Quantity		2 Litres	net		
[j] W	ems required to be tested /hether any specific Method of Test ha	as been	As per contract No			
	uggested by the customer		00.00.00			
	ate of receiving the sample in Labora		08.02.22	4.00.00		
[I] A SI. No.	Analysis Start Date / Analysis Completion Date Parameters Method of		The state of the s	Result (in mg/l.) except pH, Colour		
1.	Colour	IS 3025 (Part-4)	Passes Test		
2.	рН	IS 3025 (F	Part-11)	8.21		
3.	Suspended Solids	IS 3025(F	Part-17)	410.0		
4.	Total Dissolved Solids	IS 3025(F	Part-16)	2540.0		
5.	Oil & Grease	IS 3025 (F	Part-39)	4.6		
6.	B.O.D.(3 days at 27°C)	IS 3025 (F	Part-44)	490.0		
7.	C.O.D.	APHA 5	220 B	1240.0		
8.	Dissolved Phosphate as P	APHA (45	00-P-D)	4.4		
9.	Ammonical Nitrogen as N	IS 3025 (I	Part-34)	23.5		
10.	Total Kjeldahl Nitrogen as N	APHA (450	00 N org)	44.8		



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TEST REPORT

[a]	Name and address of the Custome	Executive Director M/s MAJHAULIA SUGAR INDUSTRIES PVT. LTD. P.O.: Majhaulia W.Champaran – 845 454					
[b]	Details of Sample		Treated Effluent samp				
[C]	Sample Collected by		SHIVA TEST HOUSE	on 07.02.22			
[d]	Sampling Location		From Outlet of ETP				
[e]	Method of Sampling		IS 3025, APHA				
[f]	Sampling Environmental Condition		Temp. (⁰ C) 1	8 Humidity (%) 62			
[g]	Details of Sample Container (No. 8	Type of Container)	Plastic Bottle (02)				
[h]	Sample Quantity		2 Litres				
[i]_	Items required to be tested	na (Citatana Parassassa	As per contract				
[j]	Whether any specific Method of Te suggested by the customer		No				
[k]	Date of receiving the sample in Lat	poratory	08.02.22				
[1]	Analysis Start Date / Analysis Com		08.02.22 / 11.02.22	1			
S. N.	Parameters	Method of Test	Limit as per E (P) Rules Schedule VI	Result (in mg/l.) except pH, Colour			
1	Colour	IS 3025 (Part-4)	Not Specified	Colourles			
2	pН	IS 3025 (Part-11)	5.5 to 8.5	7.4			
3	Suspended Solids	IS 3025(Part-17)	100.0	44			
4	Total Dissolved Solids	IS 3025(Part-16)	2100.00	720			
5	Oil & Grease	IS 3025 (Part-39)	10.00	1			
6	B.O.D.(3 days at 27°C)	IS 3025 (Part-44)	100.00	25			
7	C.O.D.	APHA 5220 B	Not Specified	120			
3	Dissolved Phosphate as P	APHA (4500-P-D)	Not Specified	1.			
9	Ammonical Nitrogen as N	IS 3025 (Part-34)	Not Specified	10.			
10	Total Kjeldahl Nitrogen as N	APHA (4500 N org)	Not Specified	17.			



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TEST REPORT

[a] Name and address of the Customer	M/s P.O W.O	Your Work Order No. WP/467/17 Dt: 08.08.2017 Executive Director M/s MAJHAULIA SUGAR INDUSTRIES PVI. LTD. P.O.: Majhaulia W.Champaran – 845 454					
[b] Details of Sample			itoring of Ambient				
c Sample Collected by	Shiv	a Test House on	07.02.22				
d) Sampling Location		With	in Premises of Sugar	Mill			
e Method of Sampling			182 (Part - 14)				
f] Sampling Environmental Condition			Temp. (°C)	18	Humidity (%)	62	
	of Container)	Filte	Paper ; Glass Impi	nger			
		4 No	S.		14%		
		As p	er contract				
Items required to be tested Whether any specific Method of Test has the customer	been suggeste	d by No					
k Date of receiving the sample in Laborator	v	08.	02.22				
Analysis Start Date / Analysis Completion	Date	08.	02.22 / 10.02.22			100	
Analysis Start Date / Analysis Completion	Method		Sampling Station				
Parameters	of Test	Near Guest House	Near Store	Near Cooling Tower	Near Main Gate		
		89.4	93.2	89.6	84.9		
[a] Particulate Matter (PM10), µg/	IS 5182 (Part-23)	86.7	85.2	90.9	79.3		
m ²		79.0	83.4	86.3	80.1		
	СРСВ	49.6	49.3	51.0	50.5		
[b] Particulate Matter (PM _{2.5}), μg /		47.5	48.0	50.5	49.7		
m³		44.0	46.2	49.1	46.5	Specificatio	
		13.1	13.6	15.3	16.4	as per NAAQS	
		14.6	17.4	16.1	18.0	(Nov. '2009	
	IS 5182	14.3	13.4	17.1	16.7	(NOV. 2008	
[c] Sulphur Dioxide as SO ₂ , μg/m³	(Part-2)	12.8	19.3	14.4	12.9		
		12.2	14.4	11.6	13.6		
		12.0			14.9	-	
		38.5	50.0	47.4	47.6		
		37.6	47.1	51.3	46.4		
ra vii	IS 5182	33.7	45.7	47.6	44.7		
[d] Nitrogen Dioxide as NO ₂ , μg/m ³	(Part-6)	33.1	47.8	45.8	42.2		
		30.3	44.9	44.7	39.5 44.2		
		30.6	50.8	44.2	44.2		
24 Hrs. Average Value			7 070	00.0	81.4	100 μg / m	
PM ₁₀		85.0	87.3	88.9		60 μg / m ²	
PM _{2.5}		47.0	47.8	50.2	48.9		
SO ₂		13.2	15.2	14.3	15.4	80 μg / m	
NO ₂	(7)	34.0	47.7	46.8	44.1	80 μg / m	

Authorized Signatory Quality Manager / CEO

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N.B.:









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TEST REPORT

a] Name and address of the Customer	Executive Director M/s MAJHAULIA SUGAR INDUSTRIES PVT. LTD. P.O.: Majhaulia W.Champaran – 845 454				
b) Details of Sample	Monitoring of Ambient	Noise Level			
c) Sample Collected by	Shiva Test House on 07/0	08.02.22			
d] Sampling Location	Within Premises of Sugar	Mill			
e] Method of Sampling	IS 9989 - 1981 (Reaff. 2001	1)			
f] Sampling Environmental Condition	Temp. (°C) 18	Humidity (%) 62			
g] Items required to be tested	As per contract				
[h] Whether any specific Method of Test has been suggested by the customer	No No				
by the sections.	TWA of Noise Level in dB(A)				
Sampling Location	Day Time (6:00 am 9:00 pm)	to Night time (10:00 pm to 6:00 am)			
Near Main Gate	68.7	61.8			
2. Near Guest House	65.2	55.1			
3. Near Cooling Tower	69.9	63.1			
4. Near ETP	68.1	61.3			
5. Near Sugar Godown	65.8	60.2			

2000 for Industrial area is 75.0 dB(A), for Commercial & for Silence Zone is 50.0 dB(A) in daytime i.e. 6.00 am to 9.0 p.m. As per Rule 7(1&2) the authority shall take action against violator if the noise level exceed the ambient noise standards by 10 dB(A) or more against any area/zone.



Quality Manager / CEO

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TEST REPORT

[a]	Name and address of the Custo	omer	Executive Director M/s MAJHAULIA SUGAR INDUSTRIES PVT. LTD. P.O.: Majhaulia W.Champaran – 845 454						
[b]	Details of Sample			_	er sample				
[c]					VA TEST HOUSE on 07	.02.22			
[d]	Sampling Location			Colle	ected from Borewell Near	Guest House			
[e]	Method of Sampling				025, APHA				
[f]	Sampling Environmental Condi					nidity (%) 62			
[g]		a. & Type of Cor	ntainer)		tic Bottle (02)				
	Sample Quantity			2 Lit	VI. 25.50				
[1]	Items required to be tested	· - · · ·		As p	er contract				
[j]	Whether any specific Method o by the customer		suggested	No					
[k]					08.02.22				
[1]	Analysis Start Date / Analysis C	Completion Date Limit as per			2.22 / 10.02.22				
S. N.	Parameters	Limit (mg/l.) Acceptable	Permissible Limit in the absence of alternative source		Method of Test	Results in mg/l. except colour, Odour, Taste, Turbidity, & pH			
1	Colour	5 Hazen Limit	15		IS 3025 (Part-4)	< 5.00			
2	Odour	Agreeable	Agreeable		IS 3025 (Part-5)	Agreeable			
3	Taste	Agreeable	Agreeable		IS 3025 (Part-7))	Agreeable			
4	рН	6.5 to 8.5			IS 3025 (Part-11)	7.19			
5	Turbidity on NTU	1.00	5.00		IS 3025 (Part-10)	<1.0			
6	Total Dissolved Solids (TDS)	500.00	2000.00		IS 3025 (Part-16)	324.0			
7	Total Hardness as CaCO ₃	200.00	600.00		IS 3025 (Part-21)	236.0			
8	Calcium as Ca	75.00	200.00		IS 3025 (Part-40)	62.5			
9	Magnesium as Mg	30.00	100.00		IS 3025 (Part-46)	19.4			
10	Iron as Fe	1.0	No relaxa	ation	IS 3025 (Part-53)	0.48			
11	Total Alkalinity as CaCO ₃	200.00	600.00		IS 3025 (Part-23)	192.0			
12	Chloride as CI	250.00	1000.00		IS 3025 (Part-32)	22.0			
13	Sulphate as SO ₄	200.00	400.00		APHA (4500-E)	24.4			
14	Nitrate as NO ₃	45.00	No relaxa	ation	APHA (4500 NO3 – B)	2.2			
15	Fluoride as F	1.00	1.50	A DOCUMENT	APHA 4500 (F D)	0.38			



Authorized Signatory Quality Manager / CEO

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	TEST REPORT					
Ref. No. MSIPL/TR/21-22/4	1017(a) Dt: 25.02.2022 Your	Work Order No. WP/4	67/17 Dt: 08.08.2017			
[a] Name and address of the	ne Customer	Executive Director M/s MAJHAULIA SUGAR INDUSTRIES PVT. LTD. P.O.: Majhaulia W.Champaran – 845 454				
[b] Details of Sample		Water sample				
[c] Sample Collected by		SHIVA TEST HOUS	SE on 07.02.22			
[d] Sampling Location		Collected from Bores	vell Near Guest House			
[e] Method of Sampling		IS 3025, APHA	2			
[f] Sampling Environmenta		Temp. (°C) 18	Humidity (%) 62			
[g] Details of Sample Conta	ainer (No. & Type of Container)	Sterilized Glass Bottle (01)				
[h] Sample Quantity		300 ml				
[i] Items required to be tes	ted	As per contract.				
[j] Whether any specific M by the customer	ethod of Test has been suggested	No				
[k] Date of receiving the sa	mple in Laboratory	08.02.22				
[I] Analysis Start Date / An		08.02.22 / 09.02.22				
	BACTERIOLOGICAL EXAMINA	TION OF WATER				
Parameters	Limit as per IS 10500 : 2012	Method of Test	Results (CFU / 100 ml.)			
Total Coliform	Shall not be detectable in 100 ml.	IS 15185 : 2016 Absent				



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TEST REPORT

	Name and address of the Custo		rk Order No. WP/467/17 Dt: 08.08.2017 Executive Director M/s MAJHAULIA SUGAR INDUSTRIES PVT. LTD.					
[~]				: Majhaulia hamparan – 845 454				
[b]	Details of Sample				er sample			
	Sample Collected by				VA TEST HOUSE on 11	.03.22		
	Sampling Location			Colle	ected from Borewell Near	Guest House		
				IS 30	025, APHA			
[f]	Sampling Environmental Condition					idity (%) 51		
		a. & Type of Cor	ntainer)		tic Bottle (02)			
-	Sample Quantity			2 Lit				
[i]	Items required to be tested			As p	er contract			
[j]	Whether any specific Method of by the customer		suggested	No				
[k]					12.03.22			
[1]	Analysis Start Date / Analysis C				3.22 / 14.03.22			
S. N.	Parameters	Limit as per li Limit (mg/l.) Acceptable	Permissil Limit in the absence alternativ	ble ne of	Method of Test	Results in mg/l. except colour, Odour, Taste, Turbidity, & pH		
			source					
1	Colour	5 Hazen Limit	15		IS 3025 (Part-4)	< 5.0		
2	Odour	Agreeable	Agreeable		IS 3025 (Part-5)	Agreeab		
3	Taste	Agreeable	Agreeable	9	IS 3025 (Part-7))	Agreeab		
4	рН	6.5 to 8.5			IS 3025 (Part-11)	7.2		
5	Turbidity on NTU	1.00	5.00		IS 3025 (Part-10)	<1		
6	Total Dissolved Solids (TDS)	500.00	2000.00		IS 3025 (Part-16)	336.		
7	Total Hardness as CaCO ₃	200.00	600.00		IS 3025 (Part-21)	240.		
8	Calcium as Ca	75.00	200.00		IS 3025 (Part-40)	65.		
9	Magnesium as Mg	30.00	100.00		IS 3025 (Part-46)	18.		
10	Iron as Fe	1.0	No relaxa	ation	IS 3025 (Part-53)	0.5		
11	Total Alkalinity as CaCO ₃	200.00	600.00		IS 3025 (Part-23)	· 208.		
12	Chloride as CI	250.00	1000.00		IS 3025 (Part-32)	22.		
13	Sulphate as SO ₄	200.00	400.00		APHA (4500-E)	24.		
14	Nitrate as NO ₃	45.00	No relaxa	ation	APHA (4500 NO3 – B)	2.		
15	Fluoride as F	1.00	1.50		APHA 4500 (F D)	0.3		



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	TEST REPORT		
Ref. No. MSIPL/TR/21-22	7/4519(a) Dt: 21.03.2022 Your	Work Order No. WP/4	167/17 Dt: 08.08.2012
[a] Name and address of the Customer		Executive Director M/s MAJHAULIA SUGAR INDUSTRIES PVT. LTD. P.O.: Majhaulia W.Champaran – 845 454	
[b] Details of Sample		Water sample	
[c] Sample Collected by		SHIVA TEST HOUSE on 11.02.22	
[d] Sampling Location		Collected from Borewell Near Guest House	
[e] Method of Sampling		IS 3025, APHA	
[f] Sampling Environmental Condition		Temp. (°C) 27	7 Humidity (%) 51
[g] Details of Sample Container (No. & Type of Container)		Sterilized Glass Bottle (01)	
[h] Sample Quantity		300 ml	
[i] Items required to be tested		As per contract.	
[j] Whether any specific Method of Test has been suggested by the customer		No	
[k] Date of receiving the sample in Laboratory		12.03.22	
[I] Analysis Start Date / Analysis Completion Date		12.03.22 / 13.03.22	
	BACTERIOLOGICAL EXAMINA		
Parameters	Limit as per IS 10500 : 2012	Method of Test	Results (Present or Absent / 100 ml.)
Total Coliform	Shall not be detectable in 100 ml.	IS 15185 : 2016	Absent / 100 ml



Quality Manager / CEO

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