



Majhaulia Sugar Industries

(A unit of Jay Shree Tea & Industries Ltd.)

December 26, 2023

WP/365/23

To,
The Additional Director
Ministry of Environment & Forest,
Govt. of India, Eastern Regional Officer,
A/3, Chandrashekharapur,
Bhubaneswar - 751 023

Sub:- SIX MONTHLY COMPLIANCE REPORT OF December, 2023.

Dear Sir,

Please find enclosed herewith the Six Monthly Compliance Report alongwith details of analysis of ground water report from 01.04.2023 to 30.09.2023.

We are also enclosing herewith the photocopy of E.T.P. flow diagram, Process flow diagram, NOC from CGWA, New Delhi, Authorization of Hazardous waste photocopy with renewal application, copy of discharge and emission Consent Order issued by Bihar State Pollution Control Board, Patna with applied receipt for your information and necessary records, please.

Thanking you,
Yours Faithfully,

For Majhaulia Sugar Industries
(A unit of Jay Shree Tea & Industries Ltd)

**Sd./-
Authorized Signatory**

Encl: As Above.

- CC:** Zonal Office of CPCB, Eastern Zonal Office, Central Pollution Control Board, 502, Southland Conclave, 1582, Rajdanga Main Road, Kolkata - 700017.
- CC:** Regional Office (Eastern Central Zone) Ministry of Environment, Forest and Climate change, Govt. of India, Bungalow no. A - 2, Shyamli Colony, Ranchi-834002.
- CC:** Member Secretary, Bihar State Pollution Control Board, Parivesh Bhawan, N.S.B.-2, Patliputra Industrial Area, PO. Sadakat Ashram, Patna - 800 010.
- CC:** Regional Office, Bihar State Pollution Control Board, MIC, Bela, Muzaffarpur - 842005.

Authorized Signatory



Registered Office and Head Office : Industry House, 15th floor, 10, Camac Street, Kolkata - 700017
Phone nos : +91-33-22827531/34. Fax : +91-33-22827585

Mill : Majhaulia, Dist. West Champaran, Bihar-845454, Phone : +91-6254-282921, 282173 Fax : +91-6254-282242
CIN : U15122WB2015PTC207281

DETAILED CONDITION COMPLIANCE OF ENVIRONMENTAL CLEARANCE

(PERIOD 01.04.2023 TO 30.09.2023)

Conditions as per MoEF F. No. J-11011/43/2009-IA II (I)	Compliance Details																										
Specific Conditions																											
1. The waste water generation shall not exceed 500 m ³ /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 Apr. – Oct. every year our plant is not being operated. Our plant goes in operation from Nov. – Mar. last year during cane crushing period 2022-23. 925 m ³ /day of waste water was generated during season & after treatment 852 m ³ /day it was used for wet scrubber makeup, spray pond and irrigation purpose to achieve zero discharge. The domestic effluent is being disposed off in the soak pit inside the premises.																										
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 effluent storage lagoon of for 15 days storage capacity. (Capacity: 12600 m ³ {90m. x 70m. x 2 m.}).																										
3. Adequate numbers of ground water quality monitoring stations by providing piezometers around the project area shall be set up. Sampling and trend analysis monitoring must be made on monthly basis and report submitted to SPCB and this ministry	<p>Adequate numbers of ground water monitoring stations has been set up around the Project Area and regular analysis is being done. Ground water analysis trends for the period Apr.'23 – Sep.'23 is as under ;</p> <table border="1" data-bbox="879 1093 1565 1592"> <thead> <tr> <th data-bbox="879 1115 1278 1189">Parameters</th><th data-bbox="1278 1093 1565 1189">All values in mg/l. except pH & Turbidity Minm. - Maxm. Range</th></tr> </thead> <tbody> <tr><td data-bbox="879 1189 1278 1234">1. pH</td><td data-bbox="1278 1189 1565 1234">7.18 – 7.57</td></tr> <tr><td data-bbox="879 1234 1278 1279">2. Turbidity on NTU</td><td data-bbox="1278 1234 1565 1279">< 1.0</td></tr> <tr><td data-bbox="879 1279 1278 1323">3. Total Dissolved Solids (TDS)</td><td data-bbox="1278 1279 1565 1323">264 – 338</td></tr> <tr><td data-bbox="879 1323 1278 1368">4. Total Hardness as CaCO₃</td><td data-bbox="1278 1323 1565 1368">154 – 242</td></tr> <tr><td data-bbox="879 1368 1278 1413">5. Calcium as Ca</td><td data-bbox="1278 1368 1565 1413">40 – 69.7</td></tr> <tr><td data-bbox="879 1413 1278 1458">6. Magnesium as Mg</td><td data-bbox="1278 1413 1565 1458">11.6 – 18.5</td></tr> <tr><td data-bbox="879 1458 1278 1503">7. Iron as Fe</td><td data-bbox="1278 1458 1565 1503">0.26 – 0.38</td></tr> <tr><td data-bbox="879 1503 1278 1547">8. Total Alkalinity as CaCO₃</td><td data-bbox="1278 1503 1565 1547">178 – 284</td></tr> <tr><td data-bbox="879 1547 1278 1592">9. Chloride as Cl</td><td data-bbox="1278 1547 1565 1592">17 – 22</td></tr> <tr><td data-bbox="879 1592 1278 1637">10. Sulphate as SO₄</td><td data-bbox="1278 1592 1565 1637">20.5 – 24.9</td></tr> <tr><td data-bbox="879 1637 1278 1682">11. Nitrate as NO₃</td><td data-bbox="1278 1637 1565 1682">2.02 – 2.68</td></tr> <tr><td data-bbox="879 1682 1278 1727">12. Fluoride as F</td><td data-bbox="1278 1682 1565 1727">0.27 – 0.33</td></tr> </tbody> </table> <p>Analysis report is being attached herewith as Annexure - I</p>	Parameters	All values in mg/l. except pH & Turbidity Minm. - Maxm. Range	1. pH	7.18 – 7.57	2. Turbidity on NTU	< 1.0	3. Total Dissolved Solids (TDS)	264 – 338	4. Total Hardness as CaCO ₃	154 – 242	5. Calcium as Ca	40 – 69.7	6. Magnesium as Mg	11.6 – 18.5	7. Iron as Fe	0.26 – 0.38	8. Total Alkalinity as CaCO ₃	178 – 284	9. Chloride as Cl	17 – 22	10. Sulphate as SO ₄	20.5 – 24.9	11. Nitrate as NO ₃	2.02 – 2.68	12. Fluoride as F	0.27 – 0.33
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4. Particulate emissions from the bagasse 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.	<ul style="list-style-type: none"> - 3 Nos. Boilers have been equipped with Wet Scrubber - Emission is being dispersed through the stack of height 30 m. & 40 m. - 1 no. new soundless silent DG Set of 600 KVA installed for off season. 																										

<i>Conditions as per MoEF F. No. J-11011/43/2009-IA II (I)</i>	<i>Compliance Details</i>
5. 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 , NO _x (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 http://majhauliasugar.com 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/2/2023/7976 valid from 01.01.2023 to 31/12/2025. (Copy attached as Annexure – II)
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. The company shall adopt rain water harvesting measures to recharge the ground water	We have implemented rain water harvesting plan as per guidelines of CGWB.
General Conditions	
1. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment & Forests	No further expansion or modifications in the plant will be 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 , NO _x are anticipated in consultation with the State Pollution Control Board	Ambient Air Quality Monitoring Stations have been set up in the down wind direction at 4 locations and monitoring of AAQ is being done on regular basis during operation of plant.
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	Regular monitoring of effluent is being done. Effluent sampling stations have been set up in consultation with the State Pollution Control Board. Analysis of treated effluent is being done on regular basis during cane crushing season. Our cane crushing season starts from Nov. and goes upto February / March every year.

Conditions as per MoEF F. No. J-11011/43/2009-IA II (I)	Compliance Details
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.	<p>Characteristics of Treated Effluent & Stack Emissions are within the norms stipulated under the EPA Rules.</p> <p>Monitoring of Boiler Stack Emission is being done on regular basis during operation of Sugar mill from Nov to February / March every year.</p>
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)	<p>The noise level in and around the plant area are well within the prescribed limits under EPA Rules.</p> <p>The Ambient noise level monitoring is being done on regular basis during operation of plant.</p>
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.
8. 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 Factory Manager.
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 63.14 lacs) for both recurring and non-recurring expenditure to implement the conditions stipulated by Ministry of Environment & Forests as well as the State Government.

<i>Conditions as per MoEF F. No. J-11011/43/2009-IA II (I)</i>	<i>Compliance Details</i>
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.	Already submitted in Dec.'10 six monthly report.
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 reports 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 01 st 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.



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)/ 4119

Patna, dated- 03.12.18

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 Wastes (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, 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;
- 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 26.11.2016) 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';

- iv) That, the unit shall monitor the water quality of Kohara River near Rajghat (upstream and downstream both); and
- v) That, the non-compliance of the aforesaid conditions shall be liable to forfeit of Bank Guarantee of Rs 20.0 lac submitted by the unit in compliance of last direction u/s 33A of the Water Act, 1974.
- 9 That, operation of 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 season so that any effluent generated during washing & maintenance shall be used in irrigation purposes after proper treatment;
- 10 That, provision of separate industrial effluent drain and storm water drain shall be maintained. Process 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 them; and
- 12 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.

 3/12/18
(Alok Kumar)
Member-Secretary
2



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)/ 4/10

EMISSION CONSENT ORDER

Patna, dated-03.12.18

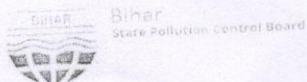
With reference to the online application no- OR538N009104/1679158 dated 29.08.2018 of M/s Majhaulia Sugar Industries Pvt. Ltd, At & P.O.-Majhaulia, District-West Champaran-845454 for consent under sections 21 of the Air (Prevention & Control of Pollution) Act, 1981, he/they is/are granted consent to 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:-

- 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 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;
- 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 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;
- 3 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;
- 5 That, they shall submit stack monitoring and AAQ (including noise) report monthly within consent period;
- 6 That, all air pollution control facilities provided should be operative and maintained properly;
- 7 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;
- 9 That, tree plantation shall be done with consultation of local DFO office to develop as green belt;
- 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.

(Alok Kumar)
Member-Secretary



Online Consent Management & Monitoring System

Ministry of Environment, Forest and Climate Change
Government of India



Date : 30-8-2023

MAJHAULIA SUGAR INDUSTRIES

On-line Payment Receipt

Receipt No.	702363996
Depositor Name	S K Tapuriah
Bank Id.	ICICI
Bank Name.	NA
Application No.	8044838
Name and Address of Industry	MAJHAULIA SUGAR INDUSTRIES, AT-MAJHAULIYA, WEST CHAMPARAN, MAJHAULIA, WEST CHAMPARAN
Name of Regional Office	Group
Applied For	CTO - both - reNew
Payment Date	Wed Aug 30 20:35:24 IST 2023

Payment Details

CTO both (Rs.)	550000.0
Total Amount Paid (Rs.)	550000.00
Transaction Status	Successfully Completed

Note:- All the correspondences in Online Consent Management Monitoring System (OCMMS) will be done online only, no hard copy letters/notices shall be sent separately. Therefore, you are requested to check the status of your application from time to time.

Proceed Print

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Bihar
State Pollution Control Board

Online Consent Management & Monitoring System

Ministry of Environment, Forest and Climate Change
Government of India



Date: 16-12-2022

Welcome MAJHAULIA SUGAR INDUSTRIES PRIVATE LIMITED

On-line Payment Receipt

Receipt No.
Depositor Name
Bank Id.
Bank Name.
Application No.
Name and Address of Industry
Name of Regional Office
Applied For
Payment Date

HWM Fee (Rs.)
Total Amount Paid (Rs.)
Transaction Status

807857298

S.K. Tapuriah

530

State Bank of India

7026362

MAJHAULIA SUGAR INDUSTRIES PRIVATE LIMITED, AT-MAJHAULIYA, WEST CHAMPARAN,
MAJHAULIA, WEST CHAMPARAN

Group

HWM

Fri Dec 16 16:37:53 IST 2022

Payment Details

2000.0

2009.44

Successfully Completed

Proceed

Print

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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

Project Name:	Majhulia Sugar Industries Pvt. Ltd.		
Project Address:	P.o.: Majhulia, Dist. West Champaran		
Village:	Majhwalia	Block:	Majhulia
District:	Pashchim Champaran	State:	Bihar
Pin Code:	Majhulia, West Champaran, Majhulia, Pashchim Champaran, Bihar - 845454,		
Communication Address:	Majhulia, Pashchim Champaran, Bihar - 845454		
Address of CGWB Regional Office :	Central Ground Water Board Mid Eastern Region, 6th & 7th Floor, Lok Nayak Jai Prakash Bhawan, Frazer Road Dak Banglow, Patna, Bihar - 800011		

- | | | | |
|----------------------------|------------------------------|------------------------------------|------------|
| 1. NOC No.: | CGWA/NOC/IND/REN/2/2023/7976 | 2. Date of Issuance | 30/06/2023 |
| 3. Application No.: | 21-4/241/BR/IND/2017 | 4. Category:
(GWRE 2022) | Safe |
| 5. Project Status: | Existing Ground Water | 6. NOC Type: | Renewal |
| 7. Valid from: | 01/01/2023 | 8. Valid up to: | 31/12/2025 |

Fresh Water		Saline Water		Dewatering		Total	
m ³ /day	m ³ /year	m ³ /day	m ³ /year	m ³ /day	m ³ /year	m ³ /day	m ³ /year
659.00	112275.00						

10. Details of ground water abstraction /Dewatering structures

Abstraction Structure*	Total Existing No.:						Total Proposed No.:					
	DW	DCB	BW	TW	MP	MPu	DW	DCB	BW	TW	MP	MPu
	0	0	1	0	0	0	0	0	0	0	0	0

*DW- Dug Well; DCB-Dug-cum-Bore Well; BW-Bore Well; TW-Tube Well; MP-Mine Pit;MPu-Mine Pumps

11. Ground Water Abstraction/Restoration Charges paid (Rs.):

766632.00

12. Number of Piezometers(Observation wells) to be constructed/ monitored & Monitoring mechanism.

No. of Piezometers

Monitoring Mechanism

Manual DWLR** DWLR With Telemetry

2

0

1

1

**DWLR - Digital Water Level Recorder

(Compliance Conditions given overleaf)

This is an auto generated document & need not to be signed.

18/11, जामनगर हाउस, मानसिंह रोड, नई दिल्ली - 110011 / 18/11, Jamnagar House, Mansingh Road, New Delhi-110011
Phone: (011) 23383561 Fax: 23382051, 23386743
Website: cgwa-noc.gov.in

पानी बचाये - जीवन बचाये
SAVE WATER - SAVE LIFE

Validity of this NOC shall be subject to compliance of the following conditions:

Mandatory conditions:

- 1) Installation of tamper proof digital water flow meter with telemetry on all the abstraction structure(s) shall be mandatory for all users seeking No Objection Certificate and intimation regarding their installation shall be communicated to the CGWA within 30 days of grant of No Objection Certificate.
- 2) Proponents shall mandatorily get water flow meter calibrated from an authorized agency once in a year.
- 3) Construction of purpose-built observation wells (piezometers) for ground water level monitoring shall be mandatory as per Section 14 of Guidelines. Water level data shall be made available to CGWA through web portal. Detailed guidelines for construction of piezometers are given in Annexure-II of the guidelines.
- 4) Proponents shall monitor quality of ground water from the abstraction structure(s) once in a year. Water samples from bore wells/ tube wells/ dug wells shall be collected during April/May every year and analysed in NABL accredited laboratories for basic parameters (cations and anions), heavy metals, pesticides/ organic compounds etc. Water quality data shall be made available to CGWA through the web portal.
- 5) In case of mining projects, additional key wells shall be established in consultation with the Regional Director, CGWB for ground water level monitoring four (4) times a year (January, May, August and November) in core as well as buffer zones of the mine.
- 6) In case of mining project the firm shall submit water quality report of mine discharge/ seepage from Govt. approved/ NABL accredited lab.
- 7) The firm shall report compliance of the NOC conditions online in the website (www.cgwa-noc.gov.in) within one year from the date of issue of this NOC.
- 8) Industries abstracting ground water in excess of 100 m³/d shall undertake annual water audit through certified auditors and submit audit reports within three months of completion of the same to CGWA. All such industries shall be required to reduce their ground water use by at least 20% over the next three years through appropriate means.
- 9) Application for renewal can be submitted online from 90 days before the expiry of NOC. Ground water withdrawal, if any, after expiry of NOC shall be illegal & liable for legal action as per provisions of Environment (Protection) Act, 1986.
- 10) This NOC is subject to prevailing Central/State Government rules/laws/norms or Court orders related to construction of tube well/ground water abstraction structure / recharge or conservation structure/dischage of effluents or any such matter as applicable.

General conditions:

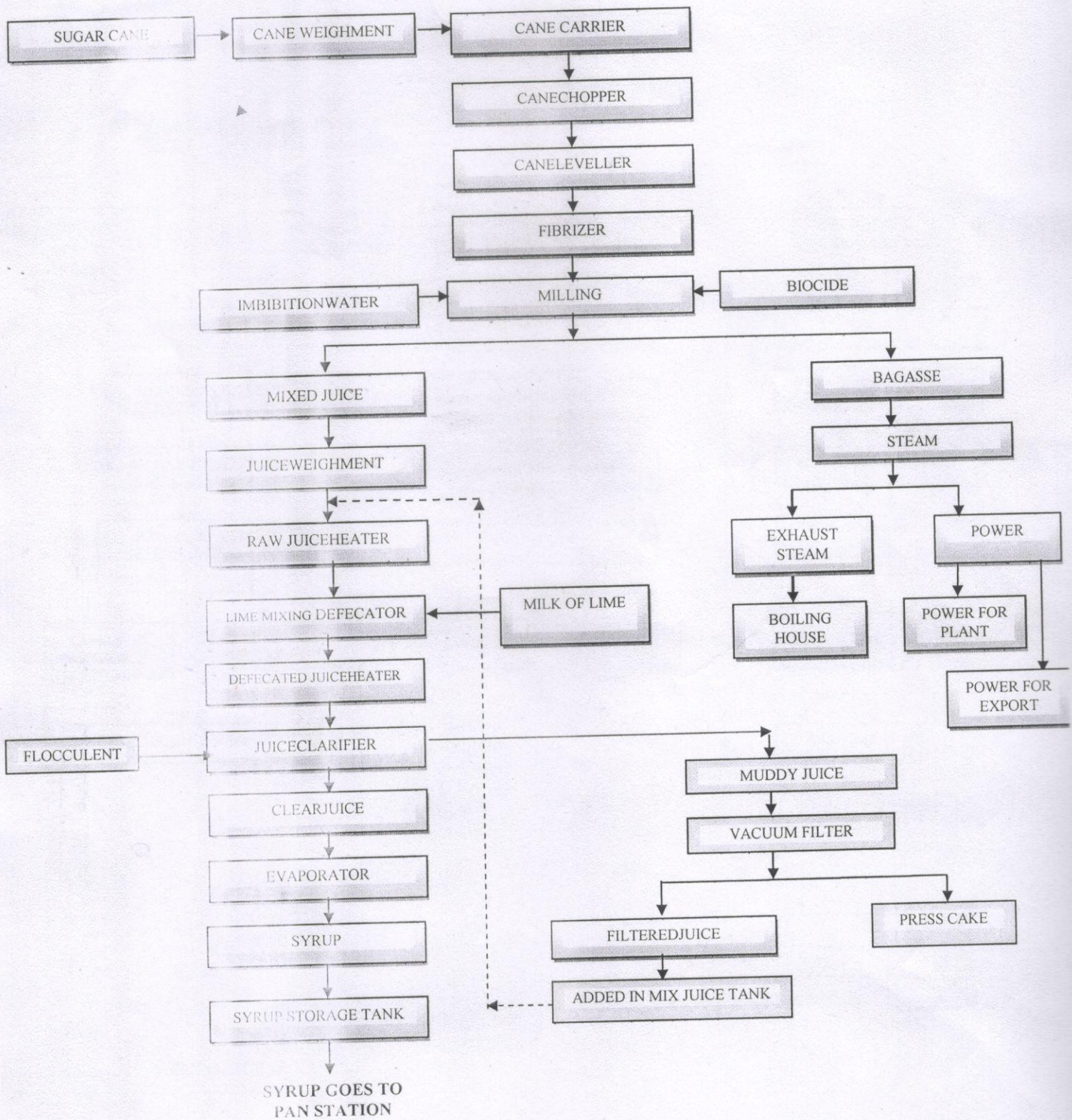
- 11) No additional ground water abstraction and/or de-watering structures shall be constructed for this purpose without prior approval of the Central Ground Water Authority (CGWA).
 - 12) The proponent shall seek prior permission from CGWA for any increase in quantum of groundwater abstraction (more than that permitted in NOC for specific period).
 - 13) Proponents shall install roof top rain water harvesting in the premise as per the existing building bye laws in the premise.
 - 14) The project proponent shall take all necessary measures to prevent contamination of ground water in the premises falling which the firm shall be responsible for any consequences arising thereupon.
 - 15) In case of industries that are likely to contaminate the ground water, no recharge measures shall be taken up by the firm inside the plant premises. The runoff generated from the rooftop shall be stored and put to beneficial use by the firm.
 - 16) Wherever feasible, requirement of water for greenbelt (horticulture) shall be met from recycled / treated waste water.
 - 17) Wherever the NOC is for abstraction of saline water and the existing wells (s) is /are yielding fresh water, the same shall be sealed and new tubewell(s) tapping saline water zone shall be constructed within 3 months of the issuance of NOC. The firm shall also ensure safe disposal of saline residue, if any.
 - 18) Unexpected variations in inflow of ground water into the mine pit, if any, shall be reported to the concerned Regional Director, Central Ground Water Board.
 - 19) In case of violation of any NOC conditions, the applicant shall be liable to pay the penalties as per Section 16 of Guidelines.
 - 20) This NOC does not absolve the proponents of their obligation / requirement to obtain other statutory and administrative clearances from appropriate authorities.
 - 21) The issue of this NOC does not imply that other statutory / administrative clearances shall be granted to the project by the concerned authorities. Such authorities would consider the project on merits and take decisions independently of the NOC.
 - 22) In case of change of ownership, new owner of the industry will have to apply for incorporation of necessary changes in the No Objection Certificate with documentary proof within 60 days of taking over possession of the premises.
 - 23) This NOC is being issued without any prejudice to the directions of the Hon'ble NGT/court orders in cases related to ground water or any other related matters.
 - 24) Proponents, who have installed/constructed artificial recharge structures in compliance of the NOC granted to them previously and have availed rebate of upto 50% (fifty percent) in the ground water abstraction charges/ground water restoration charges, shall continue to regularly maintain artificial recharge structures.
 - 25) Industries which are likely to cause ground water pollution e.g. Tanning, Slaughter Houses, Dye, Chemical/ Petrochemical, Coal washeries, pharmaceutical, other hazardous units etc. (as per CPC list) need to undertake necessary well head protection measures to ensure prevention of ground water pollution as per Annexure III of the guidelines.
 - 26) In case of new infrastructure projects having ground water abstraction of more than 20 m³/day, the firm/entity shall ensure implementation of dual water supply system in the projects.
 - 27) In case of infrastructure projects, paved/parking area must be covered with interlocking/perforated tiles or other suitable measures to ensure groundwater infiltration/harvesting.
 - 28) In case of coal and other base metal mining projects, the project proponent shall use the advance dewatering technology (by construction of series of dewatering abstraction structures) to avoid contamination of surface water.
 - 29) The NOC issued is conditional subject to the conditions mentioned in the Public notice dated 27.01.2021 failing which penalty/EC/cancellation of NOC shall be imposed as the case may be.
 - 30) This NOC is issued subject to the clearance of Expert Appraisal Committee (EAC) (if applicable).
- (Non-compliance of the conditions mentioned above is likely to result in the cancellation of NOC and legal action against the proponent.)

CENTRAL GROUND WATER AUTHORITY
Department of Water Resources, River Development and Ganga Rejuvenation
Ministry of Jal Shakti, Govt. of India

18/11, जामनगर हाउस, मानसिंह रोड, नई दिल्ली - 110011 / 18/11, Jamnagar House, Mansingh Road, New Delhi-110011
Phone: (011) 23383561 Fax: 23382051, 23386743
Website: cgwa-noc.gov.in

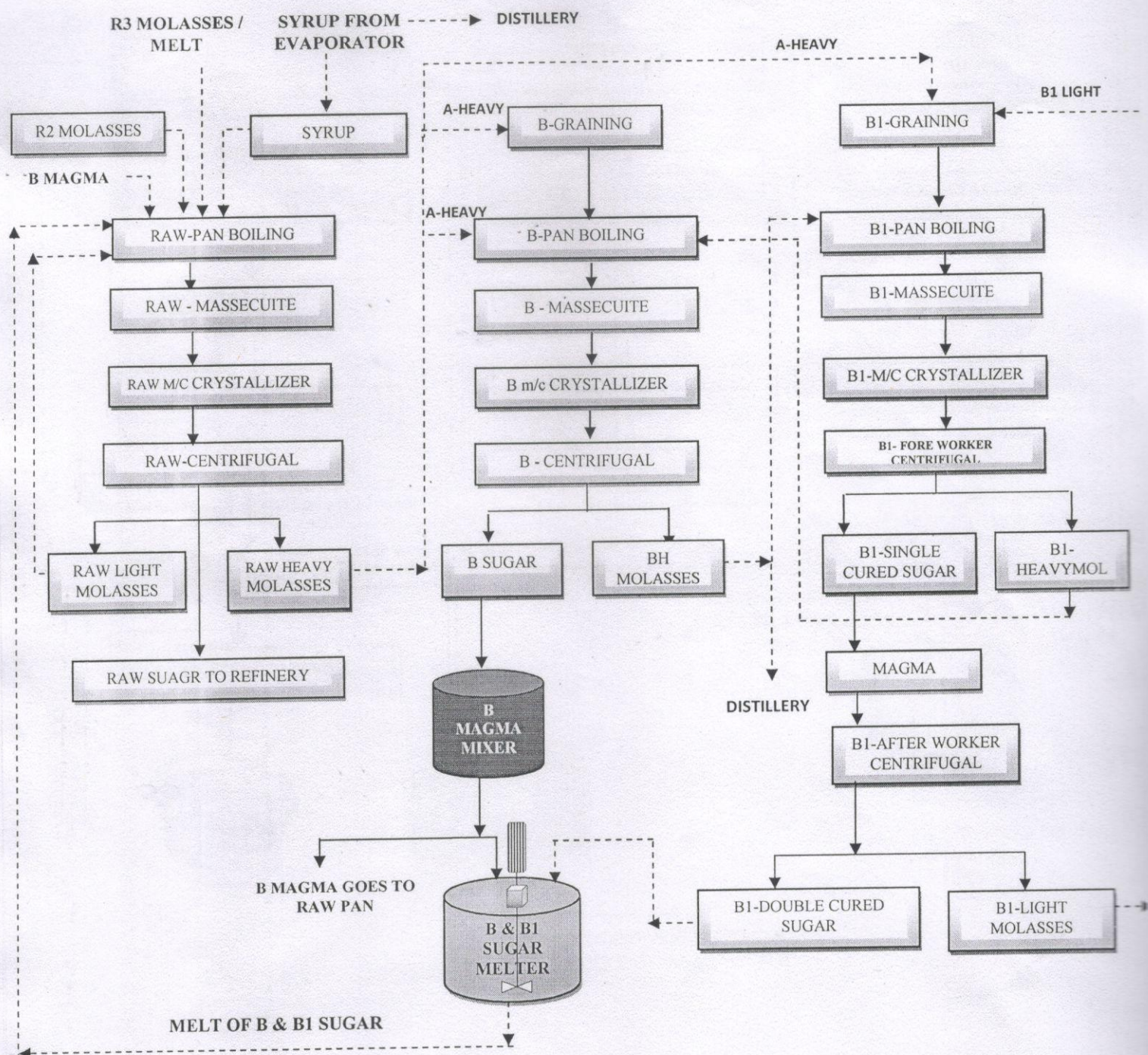
पानी बचाये - जीवन बचाये
SAVE WATER - SAVE LIFE

PROCESS FLOW DIAGRAM

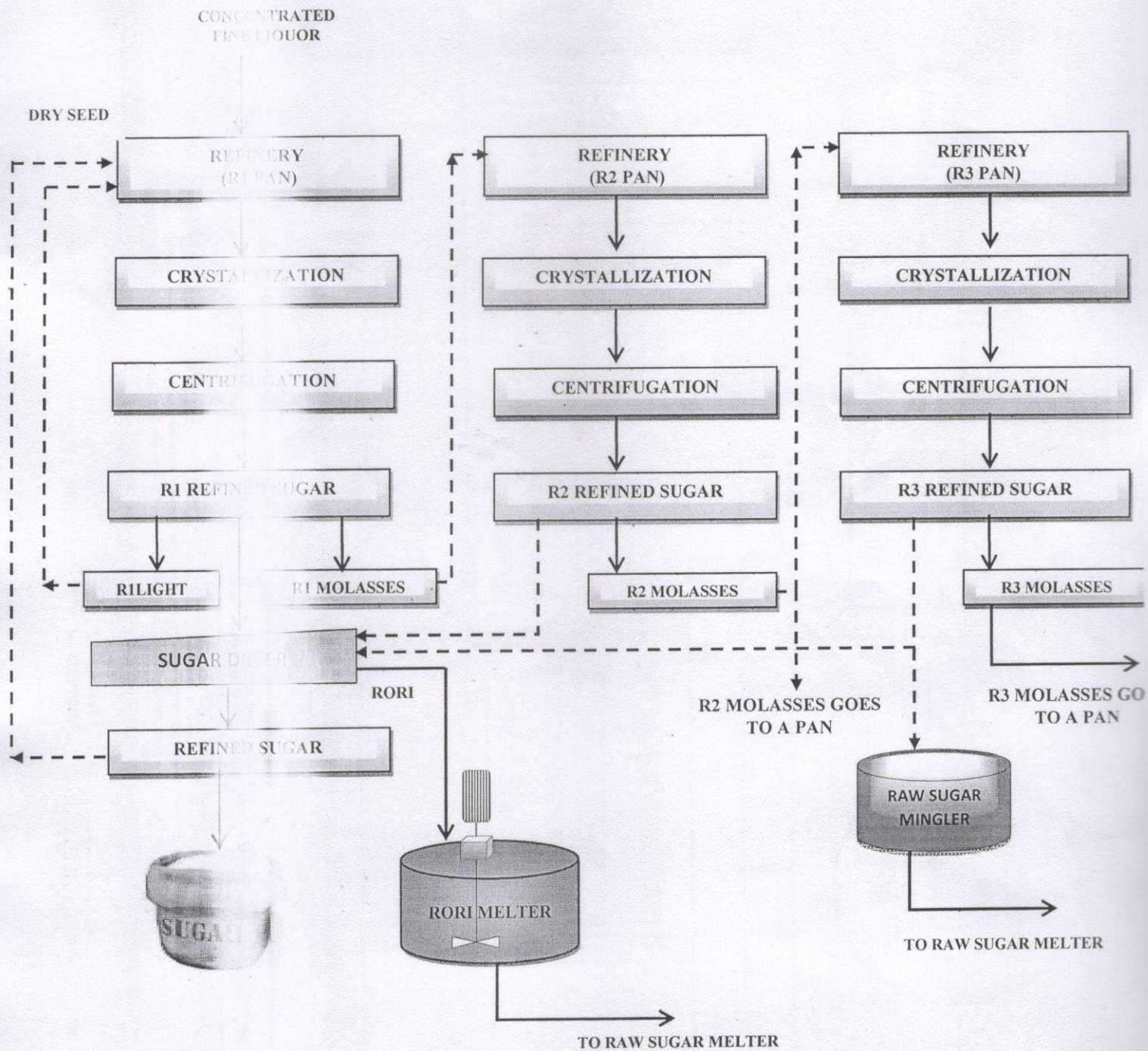


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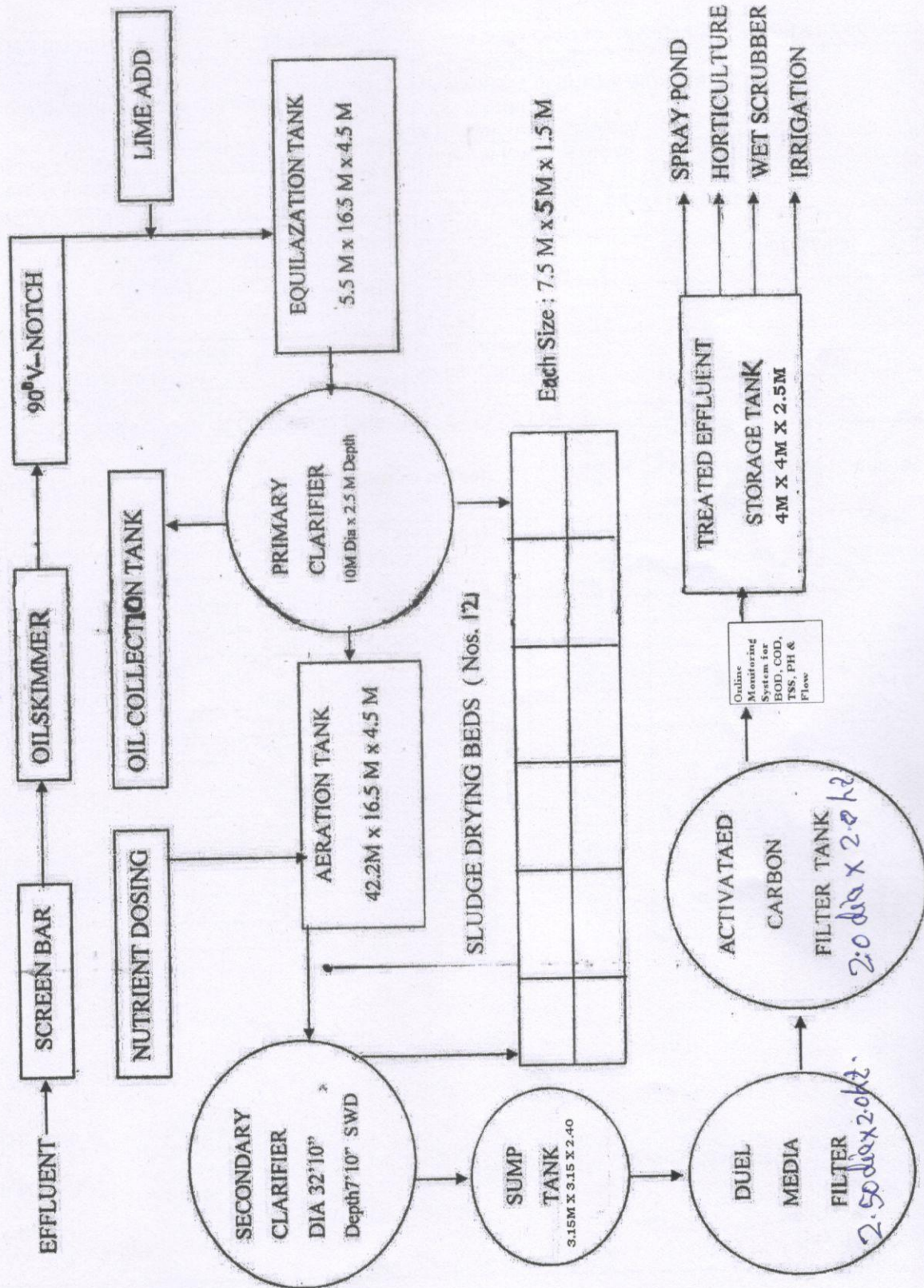
FLOW DIAGRAM OF RAW/B/ MASSECUITE BOILING



REFINERY CRYSTALLIZATION PROCESS



FLOW DIAGRAM OF E.T.P.





SHIVA TEST HOUSE

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TEST REPORT

Ref. No. STH/TR/23-24/501		Dt: 27.04.2023		Your Work Order No. WP/215/22		Dt: 08.08.2022	
[a]	Name and address of the Customer			Executive Director M/s MAJHAULIA SUGAR INDUSTRIES P.O.: Majhauria W.Champaran – 845 454			
[b]	Details of Sample			Borewell Water Sample			
[c]	Sample Collected by			SHIVA TEST HOUSE on 20.04.23			
[d]	Sampling Location			Collected from Borewell Near Guest House			
[e]	Method of Sampling			IS 3025, APHA			
[f]	Sampling Environmental Condition			Temp. (°C)	38	Humidity (%)	31
[g]	No. & Type of Container			Plastic Bottle (02)			
[h]	Sample Quantity			2 Litres			
[i]	Sample Code			BW-501			
[j]	Sample Condition on Receipt			Fit for Analysis			
[k]	Items required to be tested			As per Contract			
[l]	Date of receiving the sample			21.04.23			
[m]	Analysis Start Date / Analysis Completion Date			21.04.23 / 23.04.23			

S.N.	Parameters	Unit	Method of Test	Limit as per IS 10500: 2012		Results
				Acceptable Limit	Permissible Limit in the absence of alternative source	
				5	15	<5.0
1	Colour	Hazen	IS 3025 (Part-4)	Agreeable	Agreeable	Agreeable
2	Odour	--	IS 3025 (Part-5)	Agreeable	Agreeable	Agreeable
3	Taste	--	IS 3025 (Part-7))	6.5	8.5	7.57
4	pH	--	IS 3025 (Part-11)	1.0	5.0	0.86
5	Turbidity	NTU	IS 3025 (Part-10)	500.0	2000.0	284.0
6	Total Dissolved Solids (TDS)	mg/l.	IS 3025 (Part-16)	200.0	600.0	194.0
7	Total Hardness as CaCO ₃	mg/l.	IS 3025 (Part-21)	75.0	200.0	47.3
8	Calcium as Ca	mg/l.	IS 3025 (Part-40)	30.0	100.0	18.5
9	Magnesium as Mg	mg/l.	IS 3025 (Part-46)	1.0	No relaxation	0.36
10	Iron as Fe	mg/l.	IS 3025 (Part-53)	0.2	1	<0.01
11	Residual Free Chlorine	mg/l.	IS 3025 (Part-26)	200.0	600.0	228.0
12	Total Alkalinity as CaCO ₃	mg/l.	IS 3025 (Part-23)	250.0	1000.0	19.0
13	Chloride as Cl	mg/l.	IS 3025 (Part-32)	200.0	400.0	24.1
14	Sulphate as SO ₄	mg/l.	IS 3025 (Part-24)	45.0	No relaxation	2.13
15	Nitrate as NO ₃	mg/l.	IS 3025 (Part-34)	1.0	1.5	0.31
16	Fluoride as F	mg/l.	APHA 4500 (F D)			

SHIBESHWAR PRASAD

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SHIBESHWAR PRASAD
Date: 2023.04.27
16:42:16 +05'30'

Verified by :
Technical Manager



Shreyasee Prasad

Digitally signed by
Shreyasee Prasad
Date: 2023.04.27
17:20:59 +05'30'

Authorized Signatory
Quality Manager

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TEST REPORT

Ref. No. STH/TR/23-24/501(MCB)	Dt: 27.04.2023	Your Work Order No. WP/215/22	Dt :08.08.2022		
[a] Name and address of the Customer	Executive Director M/s MAJHAULIA SUGAR INDUSTRIES P.O.: Majhauria W.Champaran – 845 454				
[b] Details of Sample	Borewell Water Sample				
[c] Sample Collected by	SHIVA TEST HOUSE on 20.04.23				
[d] Sampling Location	Collected from Borewell Near Guest House				
[e] Method of Sampling	IS 1622				
[f] Sampling Environmental Condition	Temp (°C)	38	Humidity (%) 31		
[g] No. & Type of Container	One Sterilized Glass Bottle				
[h] Sample Quantity	250 ml				
[i] Sample Code	BW-501				
[j] Sample Condition on Receipt	Fit for analysis				
[k] Items required to be tested	As per contract				
[l] Whether any specific Method of Test has been suggested by the customer	No				
[m] Date of receiving the sample in Laboratory	21.04.23				
[n] Analysis Start Date / Analysis Completion Date	21.04.23 / 22.04.23				
S.N.	Parameters	Unit	Method of Test	Limit as per IS 10500: 2012	Results
	Total Coliform	/ 100 ml	IS 1622:1981	Shall not be detectable in 100 ml.	Not Detected / 100 ml



Vishal Sharma
Authorized Signatory
Section In-Charge (Microbiology)

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TEST REPORT

Ref. No. STH/TR/23-24/1336	Dt: 25.05.2023	Your Work Order No. WP/215/22	Dt: 08.08.2022
[a] Name and address of the Customer	Executive Director M/s MAJHAULIA SUGAR INDUSTRIES P.O.: Majhauria W.Champaran – 845 454		
[b] Details of Sample	Borewell Water Sample		
[c] Sample Collected by	SHIVA TEST HOUSE on 18.05.23		
[d] Sampling Location	Collected from Borewell Near Guest House		
[e] Method of Sampling	IS 3025, APHA		
[f] Sampling Environmental Condition	Temp. (°C)	37	Humidity (%) 45
[g] No. & Type of Container	Plastic Bottle (02)		
[h] Sample Quantity	2 Litres		
[i] Sample Code	BW-1336		
[j] Sample Condition on Receipt	Fit for Analysis		
[k] Items required to be tested	As per Contract		
[l] Date of receiving the sample	18.05.23		
[m] Analysis Start Date / Analysis Completion Date	18.05.23 / 19.05.23		

S.N.	Parameters	Unit	Method of Test	Limit as per IS 10500: 2012		Results
				Acceptable Limit	Permissible Limit in the absence of alternative source	
1	Colour	Hazen	IS 3025 (Part-4)	5	15	< 5.0
2	Odour	--	IS 3025 (Part-5)	Agreeable	Agreeable	Agreeable
3	Taste	--	IS 3025 (Part-7)	Agreeable	Agreeable	Agreeable
4	pH	--	IS 3025 (Part-11)	6.5	8.5	7.18
5	Turbidity	NTU	IS 3025 (Part-10)	1.0	5.0	0.84
6	Total Dissolved Solids (TDS)	mg/l.	IS 3025 (Part-16)	500.0	2000.0	270
7	Total Hardness as CaCO ₃	mg/l.	IS 3025 (Part-21)	200.0	600.0	158
8	Calcium as Ca	mg/l.	IS 3025 (Part-40)	75.0	200.0	40
9	Magnesium as Mg	mg/l.	IS 3025 (Part-46)	30.0	100.0	14.09
10	Iron as Fe	mg/l.	IS 3025 (Part-53)	1.0	No relaxation	0.26
11	Residual Free Chlorine	mg/l.	IS 3025 (Part-26)	0.2	1	<0.1
12	Total Alkalinity as CaCO ₃	mg/l.	IS 3025 (Part-23)	200.0	600.0	188
13	Chloride as Cl	mg/l.	IS 3025 (Part-32)	250.0	1000.0	17
14	Sulphate as SO ₄	mg/l.	IS 3025 (Part-24)	200.0	400.0	20.5
15	Nitrate as NO ₃	mg/l.	IS 3025 (Part-34)	45.0	No relaxation	2.4
16	Fluoride as F	mg/l.	APHA 4500 (F D)	1.0	1.5	0.27

SHIBESHWAR PRASAD
Digitally signed by SHIBESHWAR PRASAD
Date: 2023.05.27 12:07:01 +05'30'

Verified by:
Technical Manager



Shreyasee Prasad
Digitally signed by Shreyasee Prasad
Date: 2023.05.27 12:17:01 +05'30'

Authorized Signatory
Quality Manager

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TEST REPORT

Ref. No. STH/TR/23-24/1834	Dt: 15.06.2023	Your Work Order No. WP/215/22	Dt: 08.08.2022
[a] Name and address of the Customer	Executive Director M/s MAJHAULIA SUGAR INDUSTRIES P.O.: Majhauria W.Champaran – 845 454		
[b] Details of Sample	Borewell Water Sample		
[c] Sample Collected by	SHIVA TEST HOUSE on 08.06.23		
[d] Sampling Location	Collected from Borewell Near Guest House		
[e] Method of Sampling	IS 3025, APHA		
[f] Sampling Environmental Condition	Temp. (°C)	35	Humidity (%) 58
[g] No. & Type of Container	Plastic Bottle (02)		
[h] Sample Quantity	2 Litres		
[i] Sample Code	BW-1834		
[j] Sample Condition on Receipt	Fit for Analysis		
[k] Items required to be tested	As per Contract		
[l] Date of receiving the sample	08.06.23		
[m] Analysis Start Date / Analysis Completion Date	08.06.23 / 09.06.23		

S.N.	Parameters	Unit	Method of Test	Limit as per IS 10500: 2012		Results
				Acceptable Limit	Permissible Limit in the absence of alternative source	
1	Colour	Hazen	IS 3025 (Part-4)	5	15	< 5.0
2	Odour	--	IS 3025 (Part-5)	Agreeable	Agreeable	Agreeable
3	Taste	--	IS 3025 (Part-7)	Agreeable	Agreeable	Agreeable
4	pH	--	IS 3025 (Part-11)	6.5	8.5	7.44
5	Turbidity	NTU	IS 3025 (Part-10)	1.0	5.0	0.8
6	Total Dissolved Solids (TDS)	mg/l.	IS 3025 (Part-16)	500.0	2000.0	290
7	Total Hardness as CaCO ₃	mg/l.	IS 3025 (Part-21)	200.0	600.0	178
8	Total Hardness as CaCO ₃	mg/l.	IS 3025 (Part-21)	200.0	600.0	178
9	Calcium as Ca	mg/l.	IS 3025 (Part-40)	75.0	200.0	46.5
10	Magnesium as Mg	mg/l.	IS 3025 (Part-46)	30.0	100.0	15.06
11	Iron as Fe	mg/l.	IS 3025 (Part-53)	1.0	No relaxation	0.3
12	Residual Free Chlorine	mg/l.	IS 3025 (Part-26)	0.2	1	<0.1
13	Total Alkalinity as CaCO ₃	mg/l.	IS 3025 (Part-23)	200.0	600.0	224
14	Chloride as Cl	mg/l.	IS 3025 (Part-32)	250.0	1000.0	19
15	Sulphate as SO ₄	mg/l.	IS 3025 (Part-24)	200.0	400.0	23.5
16	Nitrate as NO ₃	mg/l.	IS 3025 (Part-34)	45.0	No relaxation	2.68
16	Fluoride as F	mg/l.	APHA 4500 (F D)	1.0	1.5	0.3

SHIBESHWAR PRASAD
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Date: 2023.06.17 13:16:24 +05'30'

Verified by :
Technical Manager



Shreyasee
Prasad

Digitally signed by Shreyasee Prasad
Date: 2023.06.17 13:55:24 +05'30'

Authorized Signatory
Quality Manager

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TEST REPORT

Ref. No. STH/TR/23-24/2818		Dt: 27.07.2023		Your Work Order No. WP/215/22		Dt: 08.08.2022	
[a] Name and address of the Customer		Executive Director M/s MAJHAULIA SUGAR INDUSTRIES P.O.: Majhauria W.Champaran – 845 454					
[b] Details of Sample		Borewell Water Sample					
[c] Sample Collected by		SHIVA TEST HOUSE on 20.07.23					
[d] Sampling Location		Collected from Borewell Near Guest House					
[e] Method of Sampling		IS 3025, APHA					
[f] Sampling Environmental Condition		Temp. (°C)		34		Humidity (%) 61	
[g] No. & Type of Container		Plastic Bottle (02)					
[h] Sample Quantity		2 Litres					
[i] Sample Code		BW-2818					
[j] Sample Condition on Receipt		Fit for Analysis					
[k] Items required to be tested		As per Contract					
[l] Date of receiving the sample		21.07.23					
[m] Analysis Start Date / Analysis Completion Date		21.07.23 / 22.07.23					

S.N.	Parameters	Unit	Method of Test	Limit as per IS 10500: 2012		Results
				Acceptable Limit	Permissible Limit in the absence of alternative source	
1	Colour	Hazen	IS 3025 (Part-4)	5	15	< 5.0
2	Odour	--	IS 3025 (Part-5)	Agreeable	Agreeable	Agreeable
3	Taste	--	IS 3025 (Part-7)	Agreeable	Agreeable	Agreeable
4	pH	--	IS 3025 (Part-11)	6.5	8.5	7.43
5	Turbidity	NTU	IS 3025 (Part-10)	1.0	5.0	0.93
6	Total Dissolved Solids (TDS)	mg/l.	IS 3025 (Part-16)	500.0	2000.0	338
7	Total Hardness as CaCO ₃	mg/l.	IS 3025 (Part-21)	200.0	600.0	242
8	Calcium as Ca	mg/l.	IS 3025 (Part-40)	75.0	200.0	69.7
9	Magnesium as Mg	mg/l.	IS 3025 (Part-46)	30.0	100.0	16.5
10	Iron as Fe	mg/l.	IS 3025 (Part-53)	1.0	No relaxation	0.29
11	Residual Free Chlorine	mg/l.	IS 3025 (Part-26)	0.2	1	<0.1
12	Total Alkalinity as CaCO ₃	mg/l.	IS 3025 (Part-23)	200.0	600.0	284
13	Chloride as Cl	mg/l.	IS 3025 (Part-32)	250.0	1000.0	22
14	Sulphate as SO ₄	mg/l.	IS 3025 (Part-24)	200.0	400.0	24.2
15	Nitrate as NO ₃	mg/l.	IS 3025 (Part-34)	45.0	No relaxation	2.02
16	Fluoride as F	mg/l.	APHA 4500 (F D)	1.0	1.5	0.29

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SHIBESHWAR PRASAD
Date: 2023.07.27
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Verified by :
Technical Manager



Shreyasee
Prasad

Digitally signed by
Shreyasee Prasad
Date: 2023.07.27
15:54:36 +05'30'

Authorized Signatory
Quality Manager

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TEST REPORT

Ref. No. STH/TR/23-24/3383		Dt: 23.08.2023		Your Work Order No. WP/215/22		Dt: 08.08.2022	
[a]	Name and address of the Customer			Executive Director M/s MAJHAULIA SUGAR INDUSTRIES PVT. LTD. P.O.: Majhauria W.Champaran – 845 454			
[b]	Details of Sample			Borewell Water Sample			
[c]	Sample Collected by			By Chitrnanjan Kumar (Lab Representative) of Shiva Test House on 05.08.23			
[d]	Sampling Location			Collected from Borewell Near Guest House			
[e]	Method of Sampling			IS 3025, APHA			
[f]	Sampling Environmental Condition			Temp. (°C)	35	Humidity (%)	69
[g]	No. & Type of Container			Plastic Bottle (02)			
[h]	Sample Quantity			2 Litres			
[i]	Sample Code			BW-3383			
[j]	Sample Condition on Receipt			Fit for Analysis			
[k]	Items required to be tested			As per Contract			
[l]	Date of receiving the sample			07.08.23			
[m]	Analysis Start Date / Analysis Completion Date			07.08.23 / 08.08.23			
S.N.	Parameters	Unit	Method of Test	Limit as per IS 10500: 2012		Results	
				Acceptable Limit	Permissible Limit in the absence of alternative source		
1	Colour	Hazen	IS 3025 (Part-4)	5	15	<5.0	
2	Odour	--	IS 3025 (Part-5)	Agreeable	Agreeable	Agreeable	
3	Taste	--	IS 3025 (Part-7))	Agreeable	Agreeable	Agreeable	
4	pH	--	IS 3025 (Part-11)	6.5 to 8.5	No relaxation	7.46	
5	Turbidity	NTU	IS 3025 (Part-10)	1.0	5.0	<1.0	
6	Total Dissolved Solids (TDS)	mg/l.	IS 3025 (Part-16)	500.0	2000.0	264.0	
7	Total Hardness as CaCO ₃	mg/l.	IS 3025 (Part-21)	200.0	600.0	154.0	
8	Calcium as Ca	mg/l.	IS 3025 (Part-40)	75.0	200.0	42.5	
9	Magnesium as Mg	mg/l.	IS 3025 (Part-46)	30.0	100.0	11.6	
10	Iron as Fe	mg/l.	IS 3025 (Part-53)	1.0	No relaxation	0.38	
11	Residual Free Chlorine	mg/l.	IS 3025 (Part-26)	0.2	1	<0.01	
12	Total Alkalinity as CaCO ₃	mg/l.	IS 3025 (Part-23)	200.0	600.0	178.0	
13	Chloride as Cl	mg/l.	IS 3025 (Part-32)	250.0	1000.0	18.9	
14	Sulphate as SO ₄	mg/l.	IS 3025 (Part-24)	200.0	400.0	21.3	
15	Nitrate as NO ₃	mg/l.	IS 3025 (Part-34)	45.0	No relaxation	2.67	
16	Fluoride as F	mg/l.	APHA 4500 (F D)	1.0	1.5	0.33	

SHIBESHWAR PRASAD

Digitally signed by SHIBESHWAR PRASAD
Date: 2023.08.23
17:58:59 +05'30'

Verified by :
Dr. Shibeshwar Prasad
Technical Manager



Shreyasee Prasad

Digitally signed by Shreyasee Prasad
Date: 2023.08.23
17:59:24 +05'30'

Authorized Signatory
Dr. (Mrs.) Shreyasee Prasad
Quality Manager

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1. This report applies only to sample tested as above.
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TC-10582

SHIVA TEST HOUSE

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TEST REPORT

Ref. No. STH/TR/23-24/3383(Mcb)	Dt: 23.08.2023	Your Work Order No. WP/215/22	Dt : 08.08.2022		
[a] Name and address of the Customer	Executive Director M/s MAJHAULIA SUGAR INDUSTRIES PVT. LTD. P.O.: Majhauria W.Champaran – 845 454				
[b] Details of Sample	Borewell Water Sample				
[c] Sample Collected by	By Chitraranjan Kumar (Lab Representative) of Shiva Test House on 05.08.23				
[d] Sampling Location	Collected from Borewell Near Guest House				
[e] Method of Sampling	IS 1622				
[f] Sampling Environmental Condition	Temp (°C)	35	Humidity (%) 69		
[g] No. & Type of Container	One Sterilized Glass Bottle				
[h] Sample Quantity	250 ml				
[i] Sample Code	BW-2580				
[j] Sample Condition on Receipt	Fit for analysis				
[k] Items required to be tested	As per contract				
[l] Whether any specific Method of Test has been suggested by the customer	No				
[m] Date of receiving the sample in Laboratory	07.08.23				
[n] Analysis Start Date / Analysis Completion Date	07.08.23 / 08.08.23				
S.N.	Parameters	Unit	Method of Test	Limit as per IS 10500: 2012	Results
1	Total Coliform	/ 100 ml	IS 1622:1981	Shall not be detectable in 100 ml.	Not Detected / 100 ml

*Vishal Sharma*

Authorized Signatory
Mr. Vishal Sharma

Section In-Charge (Microbiology)

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TEST REPORT

Ref. No. STH/TR/23-24/4147		Dt: 16.09.2023		Your Work Order No. WP/215/22		Dt : 08.08.2022	
[a]	Name and address of the Customer			Executive Director M/s MAJHAULIA SUGAR INDUSTRIES PVT. LTD. P.O.: Majhauria W.Champaran – 845 454			
[b]	Details of Sample			Borewell Water Sample			
[c]	Sample Collected by			By Chitrangan Kumar (Lab Representative) of Shiva Test House on 06.09.23			
[d]	Sampling Location			Collected from Borewell Near Guest House			
[e]	Method of Sampling			IS 3025, APHA			
[f]	Sampling Environmental Condition			Temp. (°C)	33	Humidity (%)	72
[g]	No. & Type of Container			Plastic Bottle (02)			
[h]	Sample Quantity			2 Litres			
[i]	Sample Code			BW-4147			
[j]	Sample Condition on Receipt			Fit for Analysis			
[k]	Items required to be tested			As per Contract			
[l]	Date of receiving the sample			08.09.23			
[m]	Analysis Start Date / Analysis Completion Date			08.09.23 / 15.09.23			
S.N.	Parameters	Unit	Method of Test	Limit as per IS 10500: 2012		Results	
				Acceptable Limit	Permissible Limit in the absence of alternative source		
1	Colour	Hazen	IS 3025 (Part-4)	5	15	<5.0	
2	Odour	--	IS 3025 (Part-5)	Agreeable	Agreeable	Agreeable	
3	Taste	--	IS 3025 (Part-7))	Agreeable	Agreeable	Agreeable	
4	pH at 25°C	--	IS 3025 (Part-11)	6.5	8.5	7.39	
5	Turbidity	NTU	IS 3025 (Part-10)	1.0	5.0	0.92	
6	Total Dissolved Solids (TDS)	mg/l.	IS 3025 (Part-16)	500.0	2000.0	292.0	
7	Total Hardness as CaCO ₃	mg/l.	IS 3025 (Part-21)	200.0	600.0	210.0	
8	Calcium as Ca	mg/l.	IS 3025 (Part-40)	75.0	200.0	62.47	
9	Magnesium as Mg	mg/l.	IS 3025 (Part-46)	30.0	100.0	13.12	
10	Iron as Fe	mg/l.	IS 3025 (Part-53)	1.0	No relaxation	0.26	
11	Residual Free Chlorine	mg/l.	IS 3025 (Part-26)	0.2	1	<0.01	
12	Total Alkalinity as CaCO ₃	mg/l.	IS 3025 (Part-23)	200.0	600.0	228.0	
13	Chloride as Cl	mg/l.	IS 3025 (Part-32)	250.0	1000.0	17.99	
14	Sulphate as SO ₄	mg/l.	IS 3025 (Part-24)	200.0	400.0	24.97	
15	Nitrate as NO ₃	mg/l.	IS 3025 (Part-34)	45.0	No relaxation	2.64	
16	Fluoride as F	mg/l.	APHA 4500 (F D)	1.0	1.5	0.28	

SHIBESHWAR PRASAD

Digitally signed by SHIBESHWAR PRASAD
Date: 2023.09.16
15:15:11 +05'30'

Verified by :
Dr. Shibeshwar Prasad
Technical Manager



Shreyasee Prasad

Digitally signed by Shreyasee Prasad
Date: 2023.09.16
16:02:09 +05'30'

Authorized Signatory
Dr. (Mrs.) Shreyasee Prasad
Quality Manager

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TEST REPORT

Ref. No. STH/TR/23-24/4147(Mcb)	Dt: 16.09.2023	Your Work Order No. WP/215/22	Dt: 08.08.2022		
[a] Name and address of the Customer	Executive Director M/s MAJHAULIA SUGAR INDUSTRIES PVT. LTD. P.O.: Majhauria W.Champaran – 845 454				
[b] Details of Sample	Borewell Water Sample				
[c] Sample Collected by	By Chitranshu Kumar (Lab Representative) of Shiva Test House on 06.09.23				
[d] Sampling Location	Collected from Borewell Near Guest House				
[e] Method of Sampling	IS 1622				
[f] Sampling Environmental Condition	Temp (°C)	33	Humidity (%) 72		
[g] No. & Type of Container	One Sterilized Glass Bottle				
[h] Sample Quantity	250 ml				
[i] Sample Code	BW-4147				
[j] Sample Condition on Receipt	Fit for analysis				
[k] Items required to be tested	As per contract				
[l] Whether any specific Method of Test has been suggested by the customer	No				
[m] Date of receiving the sample in Laboratory	08.09.23				
[n] Analysis Start Date / Analysis Completion Date	08.09.23 / 09.09.23				
S.N.	Parameters	Unit	Method of Test	Limit as per IS 10500: 2012	Results
1	Total Coliform	/ 100 ml	IS 1622:1981	Shall not be detectable in 100 ml.	Not Detected / 100 ml



Vishal Sharma

Authorized Signatory

Mr. Vishal Sharma

Deputy Quality Manager (DQM)

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