



Ref. No.: EC/Com./22/II/12361

Date : 06.11.2022

To,

The Additional Principal Chief Conservator of Forests  
Ministry of Environment, Forests & Climate Change  
Govt. of India  
Regional Office (ECZ)  
Bunglow No. A-2, Shyamali Colony  
RANCHI – 834 002

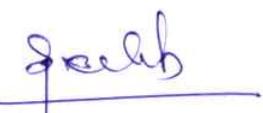
**Sub : 6-MONTHLY COMPLIANCE OF ENVIRONMENTAL CLEARANCE**

Sir,

With reference to our Environmental Clearance granted vide F. No. SIA/5(j)/1276/2021 dt: 02.04.2021, we are enclosing herewith Compliance Report (Enclosure-1) of Specific & General Conditions (alongwith Env. Monitoring Reports) as mentioned in above referred Environmental Clearance for the period April'22 to Sept.'22.

This is for your kind reference and information.

Thanking you  
Yours faithfully

  
S. L. Baheti

Chief General Manager

Harinagar Sugar Mills Ltd.

**COMPLIANCE REPORT OF ENVIRONMENT CLEARANCE**  
**(FOR PERIOD APRIL'2022 – SEPT.'2022)**  
**OF**  
**HARINAGAR SUGAR MILLS LTD., HARINAGAR**

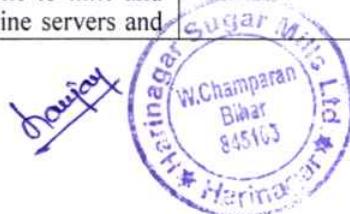
**(GRANTED BY STATE ENVIRONMENT IMPACT ASSESSMENT AUTHORITY, BIHAR  
VIDE F. NO. SIA/5(J)/1276/2021 DT: 02.04.2021)**

**I. STATUTARY COMPLIANCE:-**

S. No.	PARTICULARS	COMPLIANCE
a	The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose is involved in the project.	No Forest land was diverted for non-forest purpose.
b	The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.	Not applicable
c	The project proponent shall prepare a Site-specific plan & Wildlife Management Plan and approval by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan / Wildlife Management plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report. (in case of the presence of Schedule-I species in the study area).	Not applicable
d	The project proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State Pollution Control Board/ Committee.	We have already obtained Consent to Operate (CTO) for both Emission and Discharge vide Ref. No. – 3287 dated 28-10-2022 & Ref. No.3288 dated 28-10-2022 respectively for a period of 5 years. i.e. up to 28-10-2027 for expanded crushing capacity from 11500 TCD to 13000. <b>Enclosed as Annexure-I.</b>
e	The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time.	We have already obtained Authorization under the Hazardous and other Waste Management Rules, 2016 vide Ref. No. HW/ B-2263 dated 10-12-2018. <b>Enclosed as Annexure-II</b>
f	The company shall strictly comply with the rules and guidelines under Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989 as amended time to time. All transportation of Hazardous Chemicals shall be as per the Motor Vehicle Act (MVA), 1989.	Not applicable.

**II. Air quality monitoring and preservation**

S. No.	PARTICULARS	COMPLIANCE
a	The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission with respect to standards prescribed in Environment (Protection) Rules 1986 vide G.S.R. No. -546(E) dated 30 <sup>th</sup> August 2008 as amended from time to time and S.O. 3305 (E) dated 7 <sup>th</sup> December 2015 (Thermal Power Plants) as amended from time to time and connected to SPCB and CPCB online servers and	OCEMS has been Installed in existing boiler stacks.



	the systems be calibrated according to equipment supplier's specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.	
b	The project proponent shall install system carryout Continuous Ambient Air Quality monitoring for common / criterion parameters relevant to the main pollutants released (e.g. PM <sub>10</sub> and PM <sub>2.5</sub> in reference to PM emission, and SO <sub>2</sub> and NO <sub>x</sub> in reference to SO <sub>2</sub> and NO <sub>x</sub> emission) within and outside the plant area at least at four locations (one within and three outside the plant area at an angle of 120° each), covering upwind and downwind directions. (case to case basis small plants: Manual; Large plants: continuous).	Ambient Air Quality Monitoring is being done through MoEFCC Recognised Environmental Laboratory. Concen. of air quality is within the norms of NAAQS 2009. (Test Reports enclosed as Annex – III)
c	The project proponent shall submit monthly summary report of continuous stack emission and air quality monitoring and results of manual stack monitoring and manual monitoring of air quality / fugitive emission to Regional Office of MoEF&CC, Zonal office of CPCB and Regional Office of SPCB along with six monthly monitoring reports.	Ambient Air Quality Monitoring & Stack Emission Monitoring is being done through MoEFCC Recognised Environmental Laboratory during season. We are submitting copy of Ambient Air & Emission Monitoring report to the BSPC Board, Patna.
d.	Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources, so as to comply prescribed stack emission and fugitive emission standards.	We are spraying water at all dust generating points. We have installed wet scrubber type fly ash arrestor in our 74 TPH Boiler & 'ESP' system in 78 TPH Boiler and these are working satisfactorily.
e	The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16 <sup>th</sup> . November, 2009 shall be complied with.	Complying.
f	Sulphur content should not exceed 0.5 % in the coal for use in coal fired boilers to control particulate emissions within permissible limits (as applicable). The gaseous emissions shall be dispersed through stack of adequate height as per CPCB / SPCB guidelines.	We are not using coal as fuel in our boilers.
g	The DG. sets shall be equipped with suitable pollution control devices and the adequate stack height so that the emissions are in conformity with the extent regulations and the guidelines in this regard.	We are not using DG sets.
h	Storage of raw materials, coal etc shall be either stored in silos or in covered areas to prevent dust pollution and other fugitive emissions.	Raw materials are being stored in covered area to prevent dust pollution and other fugitive emissions.

### III. Water quality monitoring and preservation

S. No.	PARTICULARS	COMPLIANCE
a	For online continuous monitoring of effluent, the unit shall install web camera with night vision capability and flow meters in the channel / drain carrying effluent within the premises (applicable in case of the project achieving ZLD) and connected to SPCB and CPCB online servers	OCEMS for monitoring of effluent has been installed and same is connected to SPCB and CPCB servers.
b	Zero Liquid Discharge shall be ensured and no waste/treated water shall be discharged outside the premises (applicable in case of the projects achieving the ZLD)	We are sending our excess treated effluent to our own Farms to use as irrigation water.
c	Process effluent / any waste water shall not be	We are maintaining this system.



	allowed to mix with storm water. The storm water from the premises shall be collected and discharged through a separate conveyance system.	
d	The effluent discharge shall conform to the standards prescribed under the Environment (Protection) Rules, 1986, or as specified by the State Pollution Control Board while granting Consent under Air/water Act, whichever is more stringent.	Treated effluent from our sugar mill conforms to the standards prescribed under the E(P) Rules'1986.
e	Total fresh water requirement shall not exceed the proposed quantity or as specified by the committee. Prior permission shall be obtained from the concerned regulatory authority / CGWA in this regard.	We have granted 'NOC' for abstraction of fresh water from CGWA for 2500 KL/Day for 30.07.2023 and we are following the same strictly. <b>Enclosed as Annexure-IV.</b>
f	Industrial / trade effluent shall be segregated into High COD/TDS and Low COD/TDS effluent streams. High TDS/COD shall be passed through stripper followed by MEE and ATFD (agitated thin film drier). Low TDS effluent stream shall be treated in ETP and then passed through RO System.	We have installed Sulphate Removal System (SRS) for the purpose to reduce High COD/TDS from the Cooling tower overflow water.
g	The company shall harvest rainwater from the rooftops of the buildings and storm water drains to recharge the ground water and utilize the same for different industrial operations within the plant.	We had made 8 nos. recharge pits and rooftop rainwater harvesting system has been installed.

#### IV. Noise monitoring and prevention

S. No.	PARTICULARS	COMPLIANCE
a	Acoustic enclosure shall be provided to DG set for controlling the noise pollution.	Not applicable
b	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.	Equipments for controlling noise pollution in and around the plant have been provided. Ambient Noise Level report is enclosed herewith which shows noise pollution level in and around the area is within the limit. ANL report <b>enclosed herewith as Annex – V.</b>
c.	The ambient noise levels should conform to the standards prescribed under E(P) A Rules, 1986 viz. 75 dB(A) during day time and 70 dB(A) during night time.	The ambient noise levels conforms to the standards prescribed under E(P) A Rules, 1986 viz. 75 dB(A) during day time and 70 dB(A) during night time.

#### V. Energy Conservation measures

S. No.	PARTICULARS	COMPLIANCE
a	The energy sources for lighting purposes shall preferably be LED based.	LED based lighting system has been implemented.

#### VI. Waste Management

S. No.	PARTICULARS	COMPLIANCE
a	Hazardous chemicals shall be stored in tanks, tank farms, drums, carboys etc. Flame arrestors shall be provided on tank farm and the solvent transfer through pumps.	We are following these rules as per applicability for our sugar mill project
b	Process organic residue and spent carbon, if any, shall be sent to cement industries, ETP sludge, Process inorganic & evaporation salt shall be disposed off to the TSDF	Not applicable
c	The company shall undertake waste minimization measures as below:-	
i.	Metering and control of equipments of active ingredients to minimize waste.	Metering of equipments of active ingredients to minimize waste is being implemented.



ii.	Reuse of by-products from the process as raw materials or raw material substitutes in other processes.	Our by products are as under:- Molasses: Used in Distillery as its raw material. Bagasse: Used in Boilers for steam generation Press Mud: Used in Bio-fertilizer division to mix in Bio fertilizer. Boiler Ash: Used in Bio-fertilizer division to mix in Bio fertilizer.
iii.	Use of automated filling to minimize spillage.	We have installed a lot of instrumentation and automation equipments in this regard.
iv.	Use of close feed system into batch reactors.	Not applicable.
v.	Venting equipment through vapour recovery system.	Not applicable.
vi.	Use of high pressure hoses for equipments clearing to reduce waste water generation.	We are using high pressure mechanical hoses for clearing of equipments and waste water generated is stored in a pit for further use.

## VII. Green Belt

S. No.	PARTICULARS	COMPLIANCE
a	Green belt shall be developed in an area equal to 33% of the plant area with a native tree species in accordance with CPCB guidelines. The green belt shall inter alia cover the entire periphery of the plant.	Green belt has been developed in more than 33 % of the project area. We have planted native tree species in the factory command area. Our entire periphery is covered with tree plantation. We regularly planting new trees within premises and saplings are procured from Forest Deptt. (Govt. of Bihar).Photocopy of tree plantation is attached herewith as <b>Annex-VI</b> and copy of request letter to Forest Deptt. Govt. of Bihar is also attached herewith as <b>Annex-VII</b> .

## VIII. Safety, Public hearing and Human health issues

S. No.	PARTICULARS	COMPLIANCE
a	Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented	Safety officer with his team deputed for the purpose.
b	The PP shall provide Personal Protection Equipment (PPE) as per norms of Factory Act	PPE is being provided as per norms of Factory Act'1948.
c	Training shall be imparted to all employees on safety and health aspects of chemicals handling, Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular basis. Training of all employees on handling of chemicals shall be imparted.	Training imparted to employees on safety & safety equipments such as hand gloves, spectacles, Masks and medical facility is provided to the employees. Periodic medical checkup is being done as per requirement of Factory Act'1948.
d	Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.	Not applicable
e	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	A team of five medical assistants are employed under a qualified Doctor for the purpose with well equipped dispensary inside the premises. Occupational health surveillance of the workers are done on regular basis and records are maintained.(Health Check up records and Photographs are attached herewith as <b>Annex-VIII</b> )
f	There shall be adequate space inside the plant premises earmarked for parking of vehicles for raw materials and finished products, and no parking to be allowed outside on public places.	We are having adequate space for Vehicles for raw materials & finished goods in our premises.

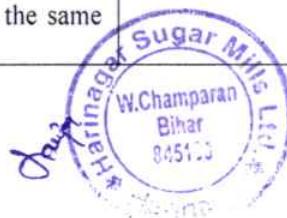


## IX. Corporate Environmental Responsibility

S. No.	PARTICULARS	COMPLIANCE
a	The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA-III dated 1 <sup>st</sup> . May 2018, as applicable, regarding Corporate Environment Responsibility.	Agreed, we will comply with the provisions of OM vide F.No. 22-65/2017-IA-III dated 1 <sup>st</sup> . May 2018 regarding corporate environmental responsibility.
b	The company shall have a well laid down environmental policy duly approved by the Boards of Directors. The environmental policy should prescribe for standards for standard operating procedures to have proper checks and balances and to bring into focus any infringements / deviation/ violation of the environmental / forest / wildlife norms/ conditions. The company shall have defined system of reporting infringements/ deviation/ violation of the environmental / forest / wildlife norms/ conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six monthly report.	We have a well laid down environmental policy duly approved by the Board of Directors. System has been defined for reporting infringements/ deviation/ violation of the environmental conditions.
c.	A separate Environmental Cell both at the project and company head quarter lever, with qualified personnel shall be set up under the control of senior Executive, who will directly report to the head of the organization.	A separate Environmental Cell with qualified personnel has been set up under the control of senior Executive, who directly report to the head of the organization.
d.	Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report.	Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company will be prepared and will be duly approved by competent authority. The year wise funds earmarked for environmental protection measures are kept in separate account and will not be diverted for any other purpose. Year wise progress of implementation of action plan will be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report.
e.	Self Environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.	Self Environmental audit has been conducted annually. Every three years third party environmental audit will be carried out.

## IX. Miscellaneous

S. No.	PARTICULARS	COMPLIANCE
a	The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.	Public notice has been published in 2 local dailies. Copy attached herewith as Annex – IX.
b	The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal bodies in addition to the relevant officers of the Government who in turn has to display the same for 30 days from the date of receipt.	The copies of the environmental clearance has been submitted to the Heads of local bodies, in addition to the relevant officers of the Government.



c	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitoring data on their website and update the same on half-yearly basis.	We are uploading the status of compliance of the stipulated environment clearance conditions, including results of monitoring data on our website <a href="http://www.harinagarsugar.com">http://www.harinagarsugar.com</a> and it is being update on half-yearly basis.
d	The project proponent shall monitor the criteria pollutants level namely: PM <sub>10</sub> , SO <sub>2</sub> , NO <sub>x</sub> (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.	Monitoring the criteria pollutants level namely: PM <sub>10</sub> , SO <sub>2</sub> , NO <sub>x</sub> (ambient levels as well as stack emissions) is being done through MoEF&CC Recognised Environmental Laboratory.
e	The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environmental clearance portal.	We are submitting six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at PARIVESH portal.
f	The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environmental (Protection) Rules, 1986, as amended subsequently and put on the website of the company.	We are Submitting the same in each Financial Year.
g	The project proponent 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, commencing the land development work and start of production operation by the project.	It will be informed.
h	The project authorities must strictly adhere to the stipulations made by the state pollution control board and the State Government.	We are adhering the stipulations made by state pollution control board.
i	The project proponent shall abide by all the commitments and recommendations made in the EIA / EMP report, commitment made during public hearing and also that during their presentation to the Expert Appraisal committee.	Agreed
j	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change (MoEF&CC).	Any expansion or modifications in the unit will be carried out after prior approval of the SEIAA, Bihar
k	Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of environment (protection) Act, 1986.	Agreed
l	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions if not satisfactory.	Agreed
m	The Ministry reserves the right to stipulate additional conditions if found necessary. The company in a time bound manner shall implement these conditions.	Agreed
n	The Regional office of the Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer(s) of the SEIAA /Regional office by furnishing the requisite data / information / monitoring reports.	Agreed



o	The above conditions shall be enforced, inter-alia under the provisions of the water (Prevention & control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and other wastes (Management and Transboundary Movement) Rules, 2016 and the public liability insurance act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Courts of law relating to the subject matter.	Agreed
p	Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under section 16 of the National Green Tribunal Act, 2010.	Agreed

For Harinagar Sugar Mills Ltd.

~~Omprakash~~  
Acting G.M.(T) (P)



CHIEF GENERAL MANAGER





## BIHAR STATE POLLUTION CONTROL BOARD

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

PATLIPUTRA, Patna – 800 010

Ref. No.- 3288

Patna, dated- 28.10.22

### EMISSION CONSENT ORDER

With reference to the online application no: 6416735, dated 12.09.2022, received on dated: 13.09.2022, previous CTE was granted vide letter no. 2431, dated 22.07.2022; which validity: 21.07.2023 of M/s Harinagar Sugar Mills Ltd, (**Sugar Mill unit**) At & P.O.- Harinagar, Dist- West Champaran-845103 for consent under sections 21 of the Air (Prevention & Control of Pollution) Act, 1981, he/they is/are granted consent to operate his/their plant {sugar mill (expanded cane crushing capacity:- 11,500 TCD to 13,000 TCD)} At & P.O.- Harinagar, Dist- West Champaran-845103 for the period of five years from the date of issue with the following conditions:-

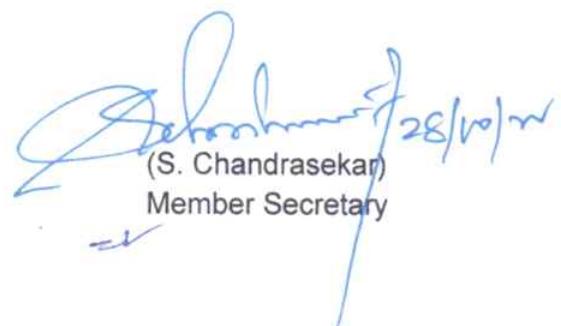
1. That, he/they shall not make any alteration, addition, deletion or modification in the plant without the prior clearance from the Board and shall also abide by the obligations under sections 22,23 and 31A of the Air (Prevention & Control of Pollution) Act, 1981 and further shall extend co-operation 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. Boiler ash from sugar plant shall be stored separately as per CPCB guidelines so that it shall not adversely affect the air quality, becoming air borne by wind or water regime during rainy season by flowing along with the storm water. Proper ash management plan shall be submitted to the Board for its end use;
7. That, all air pollution control facilities provided (Wet Scrubber, ESP etc) should be operative regularly and maintained properly and they shall ensure emission of particulate matter  $\leq 150 \text{ mg/Nm}^3$ ;
8. That, the solid waste (bottom ash of boiler etc) shall be disposed of properly at designated place and monthly report containing quantity of generation, re-used, if any and disposed, site of disposal etc shall be submitted to the Board;
9. That, they shall comply with conditions of CTE granted by the Board vide memo no.- 2431, dated: 22.07.2022



10. That, the proponent shall ensure no increase in pollution load as committed/proposed in the application for increasing its production capacity by change of raw material matrix;
11. That, good housekeeping shall be maintained
12. That, tree plantation shall be done with consultation of local DFO office to develop as green belt;
13. They shall comply with direction of the Board issued time to time;
14. That, the Environmental Statement as prescribed in the E (P) Rules, 1986 [see rule 14] for the each financial year ending the 31<sup>st</sup> March, shall be submitted by the month of September every year;
15. That, in compliance of direction of the Hon'ble Supreme Court and vide Board's HQ ref no.- 2638, dated 09.07.2019, they shall make provisions for display of data outside main factory gate about quantity and quality of water discharge and air emission along with solid waste generated within the factory premises; and
16. That, notwithstanding any thing stated above, the applicant unit shall abide by all the provisions of the environmental laws including policies and guidelines made there under.

To,

Sri L. B. Agrawal, Director,  
M/s Harinagar Sugar Mills Ltd,  
Village & P.O.-Harinagar,  
Dist-West Champaran (Bihar)-845103.

  
(S. Chandrasekar)  
Member Secretary  
*[Signature]*





## BIHAR STATE POLLUTION CONTROL BOARD

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

PATLIPUTRA, Patna – 800 010

Ref. No.- 3287

Patna, dated- 28.10.22

### DISCHARGE CONSENT ORDER

With reference to the online application no: 6416735, dated 12.09.2022, received on dated: 13.09.2022, previous CTE was granted vide letter no. 2431, dated 22.07.2022; which validity: 21.07.2023 of M/s Harinagar Sugar Mills Ltd, (**Sugar Mill unit**) At & P.O.- Harinagar, Dist- West Champaran-845103 for consent under sections 25/26 of the Water (Prevention & Control of Pollution) Act, 1974, he/they is/are granted consent to bring into use his/their new/altered/existing outlet(s) for discharge of trade effluent and/or domestic sewage {sugar mill (expanded cane crushing capacity:- 11,500 TCD to 13,000 TCD)} At & P.O.- Harinagar, Dist- West Champaran-845103 for the period of five years from the date of issue 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, good housekeeping shall be maintained
- 7 That, they shall ensure total effluent discharged should not be exceeded than permissible limit (200 litter/tone of cane crushed);
- 8 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;
- 9 That, 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;

10. That, the unit shall comply with as under:

- i) That, the unit shall not discharge any effluent in 'Ramrekha River';
- ii) That, the treated effluent shall be re-used in the plant and excess water shall be stored in impervious base lagoon to ensure its use for irrigation; and
- iii) That, the unit shall weekly monitor the water quality of Ramrekha River at up-stream and down-stream at Harinagar and submit the report to the Board.

11. That, they shall comply with conditions of CTE granted by the Board vide memo no.- 2431, dated: 22.07.2022;

12. 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;

13. 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;

14. That, the bank guarantee if any, submitted by the unit towards pollution control measures/system shall be forfeited in case of adverse as specified in them;

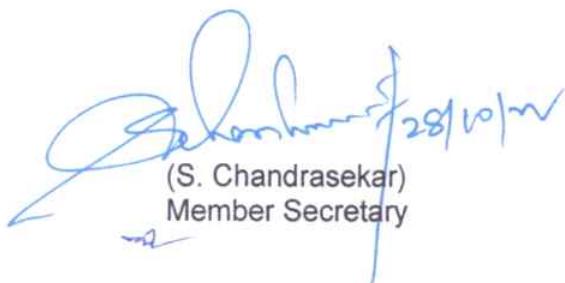
15. That, the Environmental Statement as prescribed in the E (P) Rules, 1986 [see rule14] for the each financial year ending the 31<sup>st</sup> March, shall be submitted by the month of September every year;

16. That, in compliance of direction of the Hon'ble Supreme Court and vide Board's HQ ref no.- 2638, dated 09.07.2019, they shall make provisions for display of data outside main factory gate about quantity and quality of water discharge and air emission along with solid waste generated within the factory premises; and

17. That, notwithstanding any thing stated above, the applicant unit shall abide by all the provisions of the environmental laws including policies and guidelines made there under.

To,

Sri L. B. Agrawal, Director,  
M/s Harinagar Sugar Mills Ltd,  
Village & P.O.-Harinagar,  
Dist-West Champaran (Bihar)-845103.



(S. Chandrasekar)  
Member Secretary



## BIHAR STATE POLLUTION CONTROL BOARD

Parivesh Bhawan, Patliputra Industrial Area, Patna-800 010  
EPABX-0612-2261250/2262285, Fax-0612-2261050; E-mail-bspcb@yahoo.com, Website -<http://bspcb.bih.nic.in>

### 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. Number of authorization and date of issue : HWB-2263 Patna, dated-10/12/18
2. Reference of application (No. and date) : 1735662, dated-03.10.2018
3. M/s Harinagar Sugar Mills Ltd. is hereby granted an authorization based on the enclosed 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 P.O.-Harinagar, Dist-West Champaran.

#### Details of Authorization

Sl. No.	Category of Hazardous Waste as per the Schedules I, II and III of these rules	Authorized mode of disposal or recycling or utilization or co processing, etc.	Quantity (Ton/Annum)
1.	Used or Spent oil (HW cat. no. 5.1) and Oil & Grease Skimming (HW cat. no. 35.4) as per Schedule-E	<p><b>Used oil:</b> Generation, collection, storage, transportation and offer for sale for the purpose of its recycling to authorized recycler.</p> <p><b>Oil &amp; grease skimming:</b> Incineration through authorized TSDF 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.</p>	Used oil: 1 TPA Oil & grease skimming : 1 TPA

- 1) The authorization shall be valid for a period of **five years from date of issue**.
- 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):

#### A. General conditions of authorization:

1. The authorized person shall comply with the provisions of the Environment (Protection) Act, 1986, and the rules made there under.
2. The authorization or its renewal shall be produced for inspection at the request of an officer authorized by the State Pollution Control Board.
3. The person authorized shall not rent, lend, sell, transfer or otherwise transport the hazardous and other wastes except what is permitted through this authorization.
4. Any unauthorized change in personnel, equipment or working conditions as mentioned in the application by the person authorized shall constitute a breach of his authorization.
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 carry out mock drill in this regard at regular interval of time;
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 facility.
8. The imported hazardous and other wastes shall be fully insured for transit as well as for any accidental occurrence and its clean-up operation.
9. The record of consumption and fate of the imported hazardous and other wastes shall be maintained.
10. The hazardous and other waste which gets generated during recycling or reuse or recovery or pre-processing or 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 30<sup>th</sup> for the period ensuing 31<sup>st</sup> March of the year.

#### B. Specific conditions:

- a) The unit shall display details of hazardous waste at the main gate on board of 6'x 4' size.
- b) 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 30<sup>th</sup> June of every year.
- c) The unit shall not store the hazardous waste in the premises for a period of more than 90 days provided the board has extended the said period.
- d) The unit shall store its hazardous waste (Used Oil, HW cat. no. 5.1) for the temporary period in MS drums under covered shed for the purpose of its sale to the authorized recycler and oil and grease skinned (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.
- e) The unit shall ensure that no damage is caused to environment during collection, storage & transportation of its HW.

*(Alok Kumar)*  
Member Secretary





# SHIVA TEST HOUSE

(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

Ref. No. HSM/TR/22-23/331	Dt : 29.04.2022	Your Work Order No. 8917	Dt : 17.01.2021
[a] Name and address of the Customer		<b>Chief General Manager M/s Harinagar Sugar Mills P.O.: Harinagar W. CHAMPARAN – 845 103</b>	
[b] Details of Sample		<b>Monitoring of Ambient Air Quality</b>	
[c] Sample Collected by		SHIVA TEST HOUSE on 24.04.22	
[d] Sampling Location		<b>Within Premises of Sugar Mill</b>	
[e] Method of Sampling		IS 5182 (Part - 14)	
[f] Sampling Environmental Condition		Temp. (°C)	34
[g] Details of Sample Container (No. & Type of Container )		Humidity (%) 49 Filter Paper ; Glass Impinger	
[h] Sample Quantity		12	
[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		25.04.22	
[l] Analysis Start Date / Analysis Completion Date		25.04.22 / 27.04.22	
Parameters	Method of Test	Sampling Station	
		Near Guest House	Near E.T.P.
[a] Particulate Matter (PM <sub>10</sub> ), µg / m <sup>3</sup>	IS 5182 (Part-23)	82.9	89.6
		74.4	76.2
		77.8	73.9
[b] Particulate Matter (PM <sub>2.5</sub> ), µg / m <sup>3</sup>	IS 5182 (Part-23)	43.0	42.6
		35.6	48.8
		45.4	45.1
[c] Sulphur Dioxide as SO <sub>2</sub> , µg / m <sup>3</sup>	IS 5182 (Part-2)	8.3	16.9
		11.7	10.9
		6.3	18.9
		9.4	4.0
		13.5	12.9
		10.4	7.9
[d] Nitrogen Dioxide as NO <sub>2</sub> , µg / m <sup>3</sup>	IS 5182 (Part-6)	37.5	27.7
		31.8	36.4
		34.0	30.4
		27.6	40.5
		41.7	32.4
		40.4	33.7
24 Hrs. Average Value		24 Hrs. Average Air Quality within the Premises	
PM <sub>10</sub>		78.4	79.9
		41.3	45.5
		9.9	11.9
		35.5	33.5
PM <sub>2.5</sub>		81.8	82.4
		39.2	46.1
		8.4	10.2
		29.5	34.7



*Hemal*  
29/04/2022  
✓ Authorized Signatory  
Quality Manager / Dy. Quality Manager

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Website : www.shivatest.com ; www.shivatesthous.com





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## TEST REPORT

Ref. No. STH/TR/22-23/626	Dt : 01.06.2022	Your Work Order No. 8917	Dt : 17.01.2021		
[a] Name and address of the Customer		Chief General Manager M/s Harinagar Sugar Mills P.O.: Harinagar W. CHAMPARAN – 845 103			
[b] Details of Sample		Monitoring of Ambient Air Quality			
[c] Sample Collected by		SHIVA TEST HOUSE on 19.05.22			
[d] Sampling Location		Within Premises of Sugar Mill			
[e] Method of Sampling		IS 5182 (Part - 14)			
[f] Sampling Environmental Condition		Temp. (°C)	30	Humidity (%)	57
[g] Details of Sample Container (No. & Type of Container)		Filter Paper ; Glass Impinger			
[h] Instrument ID		RDS-1, RDS-2, RDS-3, FPM-1, FPM-2, FPM-3			
[i] Sample Quantity		30 ml x 18 (for each NO <sub>2</sub> , SO <sub>2</sub> )			
[j] Sample ID		A-626/22			
[k] Sample Condition on Receipt		Fit for Analysis			
[l] Items required to be tested		As per request			
[m] Whether any specific Method of Test has been suggested by the customer		No			
[n] Date of receiving the sample in Laboratory		20.05.22			
[o] Analysis Start Date / Analysis Completion Date		20.05.22 / 22.05.22			

Parameters	Unit	Method of Test	Limit as per NAAQS 2009	Sampling Station / Result		
				Near Guest House	Near E.T.P.	Near Workshop
Particulate Matter (PM <sub>10</sub> )	µg / m <sup>3</sup>	IS 5182 (Part-23)	100 µg / m <sup>3</sup>	78.9	84.8	77.4
				78.3	90.2	78.5
				78.0	74.2	79.5
Particulate Matter (PM <sub>2.5</sub> )	µg / m <sup>3</sup>	CPCB GMAAP	60 µg / m <sup>3</sup>	45.0	40.9	45.4
				37.7	52.1	40.5
				46.2	48.3	46.6
Sulphur Dioxide as SO <sub>2</sub>	µg / m <sup>3</sup>	IS 5182 (Part-2)	80 µg / m <sup>3</sup>	9.4	18.9	16.8
				14.6	14.9	11.8
				9.4	21.8	17.7
				12.5	6.9	5.9
				16.7	11.9	8.9
				11.5	11.9	8.9
Nitrogen Dioxide as NO <sub>2</sub>	µg / m <sup>3</sup>	IS 5182 (Part-6)	80 µg / m <sup>3</sup>	39.0	29.7	32.8
				32.6	37.8	39.5
				34.7	31.7	29.5
				29.8	40.5	28.1
				43.1	33.1	30.8
				41.8	35.1	26.1
Average Value						
PM <sub>10</sub>	µg / m <sup>3</sup>			78.4	83.1	78.5
PM <sub>2.5</sub>	µg / m <sup>3</sup>			42.9	47.1	44.1
SO <sub>2</sub>	µg / m <sup>3</sup>			12.3	14.4	11.7
NO <sub>2</sub>	µg / m <sup>3</sup>			36.8	34.6	31.2

Verified By :  
Technical Manager

01/06/2022



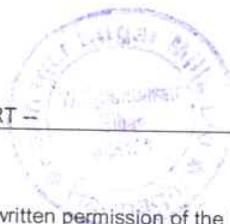
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Website : [www.shivatest.com](http://www.shivatest.com) ; [www.shivatesthous.com](http://www.shivatesthous.com)



*Sreyas Patel*  
Authorized Signatory  
Quality Manager



# SHIVA TEST HOUSE

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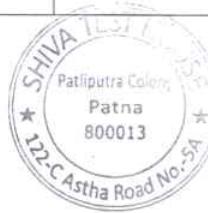
## TEST REPORT

Ref. No. STH/TR/22-23/1033	Dt : 06.07.2022	Your Work Order No. 8917	Dt : 17.01.2021			
[a] Name and address of the Customer			Chief General Manager M/s Harinagar Sugar Mills P.O.: Harinagar W. CHAMPARAN – 845 103			
[b] Details of Sample			Monitoring of Ambient Air Quality			
[c] Sample Collected by			SHIVA TEST HOUSE on 20.06.22			
[d] Sampling Location			Within Premises of Sugar Mill			
[e] Method of Sampling			IS 5182 (Part - 14)			
[f] Sampling Environmental Condition			Temp. (°C)      35      Humidity (%)      55			
[g] Details of Sample Container (No. & Type of Container)			Filter Paper ; Glass Impinger			
[h] Instrument ID			RDS-1, RDS-2, RDS-3, FPM-1, FPM-2, FPM-3			
[i] Sample Quantity			30 ml x 18 (for each NO <sub>2</sub> , SO <sub>2</sub> )			
[j] Sample ID			A-1033/22			
[k] Sample Condition on Receipt			Fit for Analysis			
[l] Items required to be tested			As per contract			
[m] Whether any specific Method of Test has been suggested by the customer			No			
[n] Date of receiving the sample in Laboratory			21.06.22			
[o] Analysis Start Date / Analysis Completion Date			21.06.22 / 23.06.22			
Parameters	Unit	Method of Test	Limit as per NAAQS 2009	Sampling Station / Result		
				Near Guest House	Near E.T.P.	Near Workshop
Particulate Matter (PM <sub>10</sub> )	µg / m <sup>3</sup>	IS 5182 (Part-23)	100 µg / m <sup>3</sup>	82.6 73.5 77.2	89.2 76.5 74.8	85.4 78.0 80.5
Particulate Matter (PM <sub>2.5</sub> )	µg / m <sup>3</sup>	CPCB GMAAP	60 µg / m <sup>3</sup>	46.7 39.3 41.7	48.8 52.6 47.6	47.1 43.4 40.9
Sulphur Dioxide as SO <sub>2</sub>	µg / m <sup>3</sup>	IS 5182 (Part-2)	80 µg / m <sup>3</sup>	9.4 19.2 4.2 14.6 10.4 16.7	18.9 17.9 26.8 13.9 11.9 8.9	13.8 16.8 9.9 6.9 7.9 8.9
Nitrogen Dioxide as NO <sub>2</sub>	µg / m <sup>3</sup>	IS 5182 (Part-6)	80 µg / m <sup>3</sup>	41.1 33.3 36.8 29.0 38.9 43.9	31.7 39.1 31.7 41.2 39.8 29.0	37.5 46.2 32.2 24.8 38.9 29.5
Average Value						
PM <sub>10</sub>	µg / m <sup>3</sup>			77.8	80.2	81.3
PM <sub>2.5</sub>	µg / m <sup>3</sup>			42.6	49.7	43.8
SO <sub>2</sub>	µg / m <sup>3</sup>			12.4	13.9	10.7
NO <sub>2</sub>	µg / m <sup>3</sup>			37.2	35.4	34.8

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Verified by :  
Technical Manager



Shreyasee  
Prasad

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Shreyasee Prasad  
Date: 2022.07.08  
17:31:40 +05'30'

Authorized Signatory  
Quality Manager

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## TEST REPORT

Ref. No. STH/TR/22-23/1521	Dt : 05.08.2022	Your Work Order No. 8917	Dt : 17.01.2021			
[a] Name and address of the Customer		Chief General Manager M/s Harinagar Sugar Mills P.O.: Harinagar W. CHAMPARAN – 845 103				
[b] Details of Sample		<b>Monitoring of Ambient Air Quality</b>				
[c] Sample Collected by		SHIVA TEST HOUSE on 13.07.22				
[d] Sampling Location		<b>Within Premises of Sugar Mill</b>				
[e] Method of Sampling		IS 5182 (Part - 14)				
[f] Sampling Environmental Condition		Temp. (°C)	35	Humidity (%)	58	
[g] Details of Sample Container (No. & Type of Container)		Filter Paper ; Glass Impinger				
[h] Instrument ID		RDS-1, RDS-2, RDS-3, FPM-1, FPM-2, FPM-3				
[i] Sample Quantity		30 ml x 18 (for each NO <sub>2</sub> , SO <sub>2</sub> )				
[j] Sample ID		A-1521/22				
[k] Sample Condition on Receipt		Fit for Analysis				
[l] Items required to be tested		As per contract				
[m] Whether any specific Method of Test has been suggested by the customer		No				
[n] Date of receiving the sample in Laboratory		14.07.22				
[o] Analysis Start Date / Analysis Completion Date		14.07.22 / 16.07.22				
Parameters	Unit	Method of Test	Limit as per NAAQS 2009	Sampling Station / Result		
				Near Guest House	Near E.T.P.	Near Workshop
Particulate Matter (PM <sub>10</sub> )	µg / m <sup>3</sup>	IS 5182 (Part-23)	100 µg / m <sup>3</sup>	81.6 72.3 75.4	89.9 78.0 75.9	84.4 78.0 79.9
Particulate Matter (PM <sub>2.5</sub> )	µg / m <sup>3</sup>	CPCB GMAAP	60 µg / m <sup>3</sup>	45.4 43.0 41.7	50.1 53.9 48.8	48.3 43.4 44.6
Sulphur Dioxide as SO <sub>2</sub>	µg / m <sup>3</sup>	IS 5182 (Part-2)	80 µg / m <sup>3</sup>	12.5 22.4 15.6 14.6 11.5 16.7	21.8 13.9 23.8 12.9 14.9 9.9	18.7 19.7 14.8 8.9 7.9 18.7
Nitrogen Dioxide as NO <sub>2</sub>	µg / m <sup>3</sup>	IS 5182 (Part-6)	80 µg / m <sup>3</sup>	42.5 35.4 38.3 33.3 38.9 43.9	32.4 39.1 33.1 43.9 39.8 29.0	38.9 46.2 32.2 28.1 38.9 29.5
Average Value				76.5 43.4 15.5 38.7	81.3 50.9 16.2 36.2	80.8 45.4 14.8 35.6
PM <sub>10</sub>	µg / m <sup>3</sup>					
PM <sub>2.5</sub>	µg / m <sup>3</sup>					
SO <sub>2</sub>	µg / m <sup>3</sup>					
NO <sub>2</sub>	µg / m <sup>3</sup>					

SHIBESHWAR PRASAD  
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SHIBESHWAR PRASAD  
Date: 2022.08.05  
17:13:44 +05'30'

Verified by :  
Technical Manager



-- END OF TEST REPORT --

Shreyasee  
Prasad

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Shreyasee Prasad  
Date: 2022.08.05  
17:14:06 +05'30'  
Authorized Signatory  
Quality Manager

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## TEST REPORT

Ref. No. STH/TR/22-23/2098-2101	Dt: 08.09.2022	Your Work Order No. 8917	Dt : 17.01.2021				
[a] Name and address of the Customer		Chief General Manager M/s Harinagar Sugar Mills P.O.: Harinagar W. CHAMPARAN – 845 103					
[b] Details of Sample		Monitoring of Ambient Air Quality					
[c] Sample Collected by		SHIVA TEST HOUSE on 26.08.22					
[d] Sampling Location		Within Premises of Sugar Mill					
[e] Method of Sampling		IS 5182 (Part - 14)					
[f] Sampling Environmental Condition		Temp. (°C)	31	Humidity (%)	64		
[g] Details of Sample Container (No. & Type of Container)		Filter Paper ; Glass Impinger					
[h] Instrument ID		RDS-1, RDS-2, RDS-3, RDS-4, FPM-1, FPM-2, FPM-3, FPM-4					
[i] Sample Quantity		30 ml x 24 (for each NO <sub>2</sub> , SO <sub>2</sub> )					
[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		27.08.22					
[n] Analysis Start Date / Analysis Completion Date		28.08.22 / 30.08.22					
Parameters	Unit	Method of Test	Limit as per NAAQS 2009	Sampling Station / Result			
				Near Guest House (SID-2098)	Near E.T.P (SID-2099)	Near Workshop (SID-2100)	Near STP (SID-2101)
Particulate Matter (PM <sub>10</sub> )	µg / m <sup>3</sup>	IS 5182 (Part-23)	100	88.2 74.7 68.9	88.0 75.5 64.0	89.7 78.9 66.2	70.4 80.3 77.3
Particulate Matter (PM <sub>2.5</sub> )	µg / m <sup>3</sup>	CPCB GMAAP	60	39.3 35.6 46.7	40.3 36.5 46.6	36.1 37.4 42.4	34.8 38.6 46.0
Sulphur Dioxide as SO <sub>2</sub>	µg / m <sup>3</sup>	IS 5182 (Part-2)	80	8.3 11.7 6.3 9.6 13.5 10.6	16.9 11.2 18.9 4.1 12.9 8.1	14.8 9.1 13.8 8.0 6.9 5.0	9.4 10.6 15.6 8.5 12.5 11.7
Nitrogen Dioxide as NO <sub>2</sub>	µg / m <sup>3</sup>	IS 5182 (Part-6)	80	35.4 31.8 26.2 21.7 29.0 34.0	27.7 37.2 30.4 41.3 32.4 34.5	31.5 41.1 26.8 19.8 28.8 24.0	36.8 31.1 27.6 23.9 29.0 31.8
Average Value				77.3 40.5 10.0 29.7	76.5 41.2 12.0 33.9	78.3 38.6 7.9 28.7	76.0 39.8 11.4 30.0
PM <sub>10</sub>	µg / m <sup>3</sup>						
PM <sub>2.5</sub>	µg / m <sup>3</sup>						
SO <sub>2</sub>	µg / m <sup>3</sup>						
NO <sub>2</sub>	µg / m <sup>3</sup>						

SHIBESHWAR PRASAD  
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SHIBESHWAR PRASAD  
Date: 2022.09.09  
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Verified by :  
Technical Manager



Shreyasee  
Prasad

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Shreyasee Prasad  
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Authorized Signatory  
Quality Manager

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

Mob. +918676886249, +919431047908

Email : sthpatna1@yahoo.co.in, info@shivatest.com

Website : [www.shivatest.com](http://www.shivatest.com) ; [www.shivatesthous.com](http://www.shivatesthous.com)





# SHIVA TEST HOUSE

(Serving since 1988)



TC-10582

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## TEST REPORT

Ref. No. STH/TR/22-23/2733-2736	Dt: 08.10.2022	Your Work Order No. 8917	Dt : 17.01.2021				
[a] Name and address of the Customer		Chief General Manager M/s Harinagar Sugar Mills P.O.: Harinagar W. CHAMPARAN - 845 103					
[b] Details of Sample		Monitoring of Ambient Air Quality					
[c] Sample Collected by		SHIVA TEST HOUSE on 26.09.22					
[d] Sampling Location		Within Premises of Sugar Mill					
[e] Method of Sampling		IS 5182 (Part - 14)					
[f] Sampling Environmental Condition		Temp. (°C)	32	Humidity (%)	65		
[g] Details of Sample Container (No. & Type of Container)		Filter Paper ; Glass Impinger					
[h] Instrument ID		RDS-1, RDS-2, RDS-3, RDS-4, FPM-1, FPM-2, FPM-3, FPM-4					
[i] Sample Quantity		30 ml x 24 (for each NO <sub>2</sub> , SO <sub>2</sub> )					
[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		27.09.22					
[n] Analysis Start Date / Analysis Completion Date		27.09.22 / 29.09.22					
Parameters	Unit	Method of Test	Limits as per NAAQS 2009	Sampling Station / Result			
				Near Guest House (SC-A-2733)	Near E.T.P (SC-A-2734)	Near Workshop (SC-A-2735)	Near STP (SC-A-2736)
Particulate Matter (PM <sub>10</sub> )	µg / m <sup>3</sup>	IS 5182 (Part-23)	100	82.0	74.1	84.9	81.3
				69.8	64.4	66.0	64.9
				75.9	73.3	79.5	75.7
Particulate Matter (PM <sub>2.5</sub> )	µg / m <sup>3</sup>	CPCB GMAAP	60	36.8	34.1	44.9	41.0
				34.4	32.8	29.9	34.8
				45.4	49	36.1	38.6
Sulphur Dioxide as SO <sub>2</sub>	µg / m <sup>3</sup>	IS 5182 (Part-2)	80	13.5	18.9	14.8	9.4
				11.7	11.2	9.1	10.6
				9.4	18.9	13.8	15.6
				9.6	8.1	9.1	8.5
				13.5	12.9	6.9	19.8
				10.6	8.1	5.0	11.7
Nitrogen Dioxide as NO <sub>2</sub>	µg / m <sup>3</sup>	IS 5182 (Part-6)	80	47.1	31.0	32.8	41.8
				31.8	40.7	41.1	35.4
				26.2	30.4	26.8	24.8
				25.3	41.3	26.7	31.1
				29.0	33.1	29.1	28.3
				31.0	34.5	24.0	33.3
Average Value				75.9	72.3	76.8	74.0
PM <sub>10</sub>	µg / m <sup>3</sup>			38.9	40.3	37.0	38.1
PM <sub>2.5</sub>	µg / m <sup>3</sup>			11.4	13.0	9.8	12.6
SO <sub>2</sub>	µg / m <sup>3</sup>			31.2	35.2	30.1	32.5
NO <sub>2</sub>	µg / m <sup>3</sup>						

SHIBESHWAR PRASAD  
AR PRASAD

Digitally signed by  
SHIBESHWAR PRASAD  
Date: 2022.10.10  
11:16:32 +05'30'

Verified by :  
Technical Manager



Shreyasee  
Prasad

Digitally signed by  
Shreyasee Prasad  
Date: 2022.10.10  
11:28:03 +05'30'  
Authorized Signatory  
Quality Manager

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- END OF TEST REPORT -

Page 1 of 1





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:	Harinagar Sugar Mills Ltd		
Project Address:	Vill + P.o : Harinagar, Block : Ramnagar		
Town:	Ramnagar (np)	Block:	Ramnagar
District:	Pashchim Champaran	State:	Bihar
Pin Code:			
Communication Address:	Vill + P.o : Harinagar, Block : Ramnagar, Ramnagar, Pashchim Champaran, Bihar - 845103		
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/1/2021/6313
2. Application No.: 21-4/258/BR/IND/2017
3. Category: (GWRE 2020) Safe
4. Project Status: Existing Ground Water
5. NOC Type: Renewal
6. Valid from: 31/07/2020
7. Valid up to: 30/07/2023
8. Ground Water Abstraction Permitted:

Fresh Water	Saline Water	Dewatering	Total				
m <sup>3</sup> /day	m <sup>3</sup> /year						
2500.00	392080.00						

#### 9. Details of ground water abstraction /Dewatering structures

##### Total Existing No.:2

##### Total Proposed No.:0

Abstraction Structure*	DW	DCB	BW	TW	MP	MPu	DW	DCB	BW	TW	MP	MPu
	0	0	0	2	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

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

588120.00

11. 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

(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





# SHIVA TEST HOUSE

(Serving since 1988)



45001:2018

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Ref. No. HSM/TR/22-23/332	Dt : 29.04.2022	Your Work Order No. 8917	Dt : 17.01.2021	
[a] Name and address of the Customer	Chief General Manager M/s Harinagar Sugar Mills P.O.: Harinagar W. CHAMPARAN – 845 103			
[b] Sampling Environmental Condition	Temp. (°C)	34	Humidity (%)	49
[c] Details of Sample	<i>Monitoring of Ambient Noise Level(Day Time) within plant premises</i>			
[d] Monitored by	SHIVA TEST HOUSE on 24.04.22			
[e] Whether any specific Method of Test has been suggested by the party	No			
<b>Sampling Location</b>	<b>TWA of Noise Level in dB(A) ( Day Time)</b>			
1. Near Main Gate	68.2			
2. Near Guest House	61.4			
3. Near Cane Yard	65.8			
4. Near ETP	64.9			
5. Near Railway Gate	69.6			
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.			



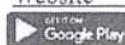
*29/04/2022*  
Authorized Signatory  
Quality Manager / Dy. Quality Manager

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

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## TEST REPORT

Ref. No. STH/TR/22-23/627 Dt : 01.06.2022 Your Work Order No. 8917 Dt : 17.01.2021

[a] Name and address of the Customer	Chief General Manager M/s Harinagar Sugar Mills P.O.: Harinagar W. CHAMPARAN – 845 103			
[b] Sampling Environmental Condition	Temp. (°C)	31	Humidity (%)	55
[c] Details of Sample	Monitoring of Ambient Noise Level (Day Time) within plant premises			
[d] Monitored by	SHIVA TEST HOUSE on 19.05.22			
[e] Whether any specific Method of Test has been suggested by the party	No			
Sampling Location	Unit	TWA of Noise Level ( Day Time)		
1. Near Main Gate	dB(A)	69.8		
2. Near Guest House	dB(A)	61.3		
3. Near Cane Yard	dB(A)	66.2		
4. Near ETP	dB(A)	67.3		
5. Near Railway Gate	dB(A)	69.1		
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.			



Verified By :  
Technical Manager

*Hemlal*  
01/06/2022

-- END OF TEST REPORT --



*Shreyasendu*  
Authorized Signatory  
Quality Manager

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## TEST REPORT

Ref. No. STH/TR/22-23/1034		Dt : 06.07.2022	Your Work Order No. 8917	Dt : 17.01.2021
[a] Name and address of the Customer		Chief General Manager M/s Harinagar Sugar Mills P.O.: Harinagar W. CHAMPARAN – 845 103		
[b] Sampling Environmental Condition		Temp. (°C)	35	Humidity (%) 55
[c] Details of Sample	Monitoring of Ambient Noise Level (Day Time) within plant premises			
[d] Monitored by	SHIVA TEST HOUSE on 20.06.22			
[e] Whether any specific Method of Test has been suggested by the party	No			
<b>Sampling Location</b>	<b>Unit</b>	<b>TWA of Noise Level ( Day Time)</b>		
1. Near Main Gate	dB(A)	69.8		
2. Near Guest House	dB(A)	61.3		
3. Near Cane Yard	dB(A)	66.2		
4. Near ETP	dB(A)	67.3		
5. Near Railway Gate	dB(A)	69.1		
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.			



SHIBESHW  
AR PRASAD

Digitally signed by  
SHIBESHWAR PRASAD  
Date: 2022.07.08  
17:32:41 +05'30'

Verified by :  
Technical Manager

Shreyasee  
Prasad

Digitally signed by  
Shreyasee Prasad  
Date: 2022.07.08  
17:33:15 +05'30'

Authorized Signatory  
Quality Manager

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## TEST REPORT

Ref. No. STH/TR/22-23/1522	Dt : 05.08.2022	Your Work Order No. 8917	Dt : 17.01.2021	
[a] Name and address of the Customer	Chief General Manager M/s Harinagar Sugar Mills P.O.: Harinagar W. CHAMPARAN – 845 103			
[b] Sampling Environmental Condition	Temp. (°C)	35	Humidity (%)	58
[c] Details of Sample	Monitoring of Ambient Noise Level (Day Time) within plant premises of HSM Sugar Mill			
[d] Monitored by	SHIVA TEST HOUSE on 13.07.22			
[e] Whether any specific Method of Test has been suggested by the party	No			
Sampling Location	Unit	TWA of Noise Level ( Day Time)		
1. Near Main Gate	dB(A)	68.9		
2. Near Guest House	dB(A)	62.1		
3. Near Cane Yard	dB(A)	67.0		
4. Near ETP	dB(A)	68.3		
5. Near Railway Gate	dB(A)	70.2		
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.			

SHIBESHW  
AR PRASAD

Digitally signed by  
SHIBESHWAR PRASAD  
Date: 2022.08.05  
16:06:24 +05'30'

Verified by :  
Technical Manager



Shreyasee  
Prasad

Digitally signed by  
Shreyasee Prasad  
Date: 2022.08.05  
16:08:59 +05'30'

Authorized Signatory  
Quality Manager

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# SHIVA TEST HOUSE

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## TEST REPORT

Ref. No. STH/TR/22-23/2102	Dt : 08.09.2022	Your Work Order No. 8917	Dt : 17.01.2021	
[a] Name and address of the Customer	Chief General Manager M/s Harinagar Sugar Mills P.O.: Harinagar W. CHAMPARAN – 845 103			
[b] Sampling Environmental Condition	Temp. (°C)	31	Humidity (%)	64
[c] Details of Sample	Monitoring of Ambient Noise Level (Day Time) within plant premises of HSM Sugar Mill			
[d] Monitored by	SHIVA TEST HOUSE on 26.08.22			
[e] Whether any specific Method of Test has been suggested by the party	No			
Sampling Location	Unit	TWA of Noise Level ( Day Time)		
1. Near Main Gate	dB(A)	56.2		
2. Near Guest House	dB(A)	53.7		
3. Near Cane Yard	dB(A)	57.1		
4. Near ETP	dB(A)	49.7		
5. Near Railway Gate	dB(A)	59.3		
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.			

SHIBESHW  
AR PRASAD

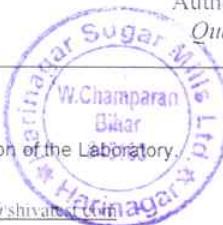
Digitally signed by  
SHIBESHWAR PRASAD  
Date: 2022.09.09  
12:07:22 +05'30'

Verified by :  
Technical Manager

Shreyasee  
Prasad

Digitally signed by  
Shreyasee Prasad  
Date: 2022.09.09  
12:09:25 +05'30'

Authorized Signatory  
Quality Manager



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## TEST REPORT

Ref. No. STH/TR/22-23/2737		Dt : 08.10.2022 Your Work Order No. 8917		Dt : 17.01.2021	
[a] Name and address of the Customer		Chief General Manager M/s Harinagar Sugar Mills P.O.: Harinagar W. CHAMPARAN - 845 103			
[b] Sampling Environmental Condition		Temp. (°C)	32	Humidity (%)	65
[c] Details of Sample		Monitoring of Ambient Noise Level (Day Time) within plant premises of HSV Sugar Mill			
[d] Monitored by		SHIVA TEST HOUSE on 26.09.22			
[e] Whether any specific Method of Test has been suggested by the party		No			
<b>Sampling Location</b>	<b>Unit</b>	<b>TWA of Noise Level ( Day Time)</b>			
1. Near Main Gate	dB(A)	56.9			
2. Near Guest House	dB(A)	54.7			
3. Near Cane Yard	dB(A)	57.0			
4. Near ETP	dB(A)	52.1			
5. Near Railway Gate	dB(A)	61.1			
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				

SHIBESHWAR PRASAD

Digitaly signed by  
SHIBESHWAR PRASAD  
Date: 2022.10.10  
11:16:44 +05'30'

Verified by  
Technical Manager

Shreyasee Prasad

Digitaly signed by  
Shreyasee Prasad  
Date: 2022.10.10  
11:29:01 +05'30'

Authorized Signatory  
Quality Manager

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Website : [www.shivatest.com](http://www.shivatest.com), [www.shivatests.com](http://www.shivatests.com)



## हरिनगर सुगर मिल्स लि0, हरिनगर

1.04.2022 से 30.09.2022 तक लगाये गये पौधों का विवरण:

क्र० सं	पौधा का नाम	कुल योग
01	महोगनी	20
02	अमलतास	05
03	गोल्ड मोहर	05
04	पाम	21
05	मेहर्दी	150
06	कनक	02
07	आवला	05
08	गुरुहल	10
09	सागवान	370
10	कनेर	06
11	नीम	10
	कुल	604





539

28.05.2022

सेवा में,  
वन प्रमण्डल पदाधिकारी,  
बेतिया वन प्रमण्डल,  
बेतिया

महाशय,

आपके पत्रांक 847 दिनांक 27.05.2022 के संदर्भ में हमें निवेदन करना है कि हरिनगर चीनी मिल कम्पलेक्स प0 चम्पारण में अवस्थित है। पर्यावरण संरक्षण हेतु चीनी मिल परिसर के लिए हमें निम्न पौधों की आवश्यकता है:-

01.	महोगनी	-	3000 नग
02.	सागवान	-	3000 नग
03.	मलेशियन शाल	-	1000 नग
04.	सीता अशोक	-	200 नग
05.	नीम	-	500 नग
06.	जकरन्डा	-	100 नग
07.	पीला गुलमोहर	-	50 नग
08.	लाल गुलमोहर	-	50 नग
09.	अमलतास	-	50 नग
10.	ऑवला	-	50 नग
11.	कचनार	-	100 नग
12.	कनक चम्पा	-	100 नग
13.	पलास	-	25 नग

इन पौधों के संरक्षण की जिम्मेवारी हमारी होगी।

अतः आपसे निवेदन है कि उपरोक्त पौधों की आपूर्ति प0 चम्पारण में अवस्थित निकटतम पौधशाला मंगुराहा से निःशुल्क कराने की कृपा करें।

धन्यवाद,

भवदीय,  
वास्ते हरिनगर सुगर मिल्स लि०

~मुख्य महाप्रबंधक



Cane-Govtone

Harinagar Sugar Mills Ltd.

## लोक सुनवाई की सूचना

मेसर्च-हरिनगर, सुगर ग्रिल्स लिंग, ग्राम-प्राप्त-हरिनगर, बबत-बासनगढ़, जिला-परियाँसी चम्पारण द्वारा इस दोष के वर्तमान कमता 1000 टन ईच्छा/दिन से विस्तारित कर 11500 टन ईच्छा/दिन करने के परियोजना प्रस्तावित है। इस परियोजना के कार्यान्वयन के पूर्व पर्योक्तरीय स्थानों के पर्यावरण का तथा जलवाया परिवर्तन नियांनवाले आमत चरकार के लिए उपर्युक्त विवरण सख्त एस ओ 1533, दिनांक 14.09.2006 के आलोक (पी. TOR (Terms of Reference)) निर्धारित की गयी है तथा लोक-सुनवाई की जानी है।

प्रस्तावित परियोजना का व्यावरण स्थान ग्रामपालक प्रतिवेदन तथा दूर किया गया है जिसमें संभावित कुम्हारों को नियर्स्ट करने के प्रयाप प्रस्तावित है। उसके प्रतिवेदन तथा योजना के कार्यान्वयन का जीता जिला प्रदाविकारी परियाँसी चम्पारण, जिला परिषद्, बैतिया परियाँसी चम्पारण द्वारा जिला लोक संघ के विद्युतीय परियोजना की कार्यान्वयन में शामिल होने के लिए जिला लोक संघ के अवलोकनार्थी नियांनवाले हैं। उसे व्यक्ति जो हस्त परियोजना से प्रभावित होने वाले हो अपना लिखित सुझाव / विचार एवं टीका दियाँ जूत सम्भालकर दें। (टीका) दिनांक ज्ञात-प्राप्त कार्यालय में जमा कर सकते हैं।

प्रस्तावित प्रभाव दोष के नागरिकों के लिए लोक सुनवाई दिनांक - 20.11.2018 को पूर्वाहन 11:30 बजे आर्य समाज मंदिर परिसर, आर्य नगर, हरिनगर बेलवे स्टेशन के नजदीक ग्राम-पो-हरिनगर, जिला-परियाँसी चम्पारण - 845103 में निर्धारित की गयी है। सभी संबधित से अनुरोध है कि उपरोक्त तिथि को लोक सुनवाई स्थल पर समय उपरिधित होने का करें।

सन्दर्भ-सचिव

## बिहार राज्य प्रदूषण नियंत्रण पर्षद

प्रावित पर्व, पाटनीपुर औद्योगिक क्षेत्र, रोड, पटना - 800010  
फोन- 0612-2261259/2262265, फैक्स- 0612-2261156 | ई-मेल- bspcb@yahoo.com वेबसाइट- <http://bspcb.bih.nic.in>

प्रावित पर्व, 7.10.2018 | प्रभात खबर | 07

## लोक-सुनवाई की सूचना

मेसर्च-हरिनगर, सुगर ग्रिल्स लिंग, ग्राम-प्राप्त-हरिनगर, अब्रल-शानसर, जिला-परियाँसी चम्पारण-द्वारा इस प्राप्त की वर्तमान कमता 1000 टन ईच्छा/दिन से विस्तारित कर 11500 टन ईच्छा/दिन करने हेतु परियोजना प्रस्तावित है। इस परियोजना के कार्यान्वयन के पूर्व पर्योक्तरीय स्थानों के लिए जिला लोक संघ परिषद्, बैतिया परियाँसी चम्पारण एवं जिला उदयगंगा केन्द्र बैतिया परियाँसी चम्पारण के कार्यालय में प्रभाव के लिए जिला लोक संघ एवं टीका दियाँ जूत सम्भालकर दें। (टीका) दिनांक 14.09.2006 के आलोक में TOR (Terms of Reference) निर्धारित की गयी है तथा लोक सुनवाई की जानी है।

प्रस्तावित परियोजना का पर्यावरण प्रभाव स्थलोंका प्रतिवेदन दैवत किया गया है जिसमें संभावित कुम्हारों को नियर्स्ट करने के लिए प्रस्तावित है। उसके प्रतिवेदन तथा योजना के कार्यान्वयन का जीता जिला प्रदाविकारी, परियाँसी चम्पारण, जिला परिषद्, बैतिया परियाँसी चम्पारण द्वारा जिला लोक संघ के अवलोकनार्थ उपलब्ध है। उसे व्यक्ति जो इस परियोजना से प्रभावित होने वाले हो अपना लिखित सुझाव / विचार एवं टीका दियाँ इस सूचना प्राप्तवाना के 30 (तीस) दिनों के अन्दर प्राप्त कार्यालय में जमा कर सकते हैं।

परियोजना प्रभाव के नागरिकों के लिए लोक सुनवाई दिनांक - 20.11.2018 को पूर्वाहन 11:30 बजे आर्य समाज मंदिर परिसर, आर्य नगर, हरिनगर बेलवे स्टेशन के नजदीक ग्राम-पो-हरिनगर, जिला-परियाँसी चम्पारण - 845103 में निर्धारित की गयी है। सभी संबधित से अनुरोध है कि उपरोक्त तिथि को लोक सुनवाई स्थल पर समय उपरिधित होने का करें।

## बिहार राज्य प्रदूषण नियंत्रण पर्षद

प्रावित पर्व, पाटनीपुर औद्योगिक क्षेत्र, पटना - 800010

फोन- 0612-2261259/2262265, फैक्स- 0612-2261050

ई-मेल- bspcb@yahoo.com, वेबसाइट- <http://bspcb.bih.nic.in>



345

**लोक-सुनवाई की सूचना**

**शुद्धि-पत्र**

इस समाचार पत्र के दिनांक 07.10.2018 के अंक में लोक सुनवाई की सूचना में प्रकाशित मेसर्स हरिनगर सुगर मिल्स लिं. हरिनगर, पा. चापारण द्वारा इख पेराई की वर्तमान क्षमता 10000 टन इख/दिन के स्थान पर टकण भूलवश 1000 टन इख / दिन प्रकाशित हो गया है। इसे 10,000 टन इख / दिन पढ़ा जाय।

सदस्य-सचिव  
बिहार राज्य प्रदूषण नियंत्रण पर्षद

THE TIMES OF INDIA, PATNA  
WEDNESDAY, OCTOBER 10, 2018

## लोक-सुनवाई की सूचना

### शुद्धि-पत्र

इस समाचार पत्र के दिनांक 07.10.2018 के अंक में लोक सुनवाई की सूचना में प्रकाशित मेसर्स हरिनगर सुगर मिल्स लिं. हरिनगर, पा. चापारण, द्वारा इख पेराई की वर्तमान क्षमता 10000 टन इख/दिन के स्थान पर टकण भूलवश 1000 टन इख/दिन प्रकाशित हो गया है। इसे 10,000 टन इख / दिन पढ़ा जाय।

सदस्य-सचिव



बिहार राज्य  
प्रदूषण नियंत्रण  
पर्षद

प्रधानमंत्री कालान्तर  
10.10.2018 प्रभात खबर

## लोक-सुनवाई की सूचना

### शुद्धि-पत्र

इस समाचार पत्र के दिनांक 07.10.2018 के अंक में लोक सुनवाई की सूचना में प्रकाशित मेसर्स हरिनगर सुगर मिल्स लिं. हरिनगर, पा. चापारण द्वारा इख पेराई की वर्तमान क्षमता 10000 टन इख/दिन के स्थान पर टकण भूलवश 1000 टन इख / दिन प्रकाशित हो गया है। इसे 10,000 टन इख / दिन पढ़ा जाय।

सदस्य-सचिव

बिहार राज्य प्रदूषण नियंत्रण पर्षद

८५/-  
(आलोक कुमार)  
सदस्य-सचिव



*gopal kumar*



## बिहार राज्य प्रदूषण नियंत्रण पर्षद

परिवेष मवन, एन.एस.बी.-२, पाटलीपुत्र औद्धोगिक क्षेत्र  
पो०-सदाकत आश्रम, पाटलीपुत्र, पटना-८०००१०

पत्रांक :- म/त-३-२०१८/४३०/

पटना, दिनांक:-

प्रेषक

आलोक कुमार, भा०व०से०,  
सदस्य-सचिव

सेवा में,

जिला पदाधिकारी  
जिला-पश्चिमी चम्पारण।

विषय: मेसर्स हरिनगर सुगर मिल्स लि०, ग्राम+पो०-हरिनगर, अंचल-रामनगर, जिला-पश्चिमी चम्पारण द्वारा सुगर मिल का क्षमता विस्तार परियोजना के पर्यावरणीय स्वीकृति के वास्ते लोक सुनवाई की अध्यक्षता करने के संबंध में।  
महाशय,

उपर्युक्त के प्रसंग में सूचित करना है कि पर्यावरण एवं वन मंत्रालय, भारत सरकार के अधिसूचना संख्या एस. ओ. 1533, दिनांक 14 सितम्बर, 2006 के आलोक में मेसर्स हरिनगर सुगर मिल्स लि०, हरिनगर द्वारा पश्चिमी चम्पारण जिला अन्तर्गत आर्य समाज मंदिर परिसर, आर्य नगर, हरिनगर रेलवे स्टेशन के नजदीक, ग्राम+पो०-हरिनगर, अंचल-रामनगर, जिला-पश्चिमी चम्पारण में प्रस्तावित क्षमता विस्तार परियोजना के पर्यावरणीय स्वीकृति के वास्ते लोक सुनवाई करने हेतु अनुरोध पत्र वांछित कागजात के साथ उपलब्ध कराया गया है। लोक सुनवाई की अध्यक्षता संबंधित जिला पदाधिकारी या उनके प्रतिनिधि, जो एडिसनल डिस्ट्रीक्ट मजिस्ट्रेट के श्रेणी से कम न हो, द्वारा की जानी है।

सूचित करना है कि प्रस्तावित परियोजना के पर्यावरणीय स्वीकृति हेतु लोक-सुनवाई दिनांक 20.11.2018 को 11:30 बजे पूर्वाहन में आर्य समाज मंदिर परिसर, आर्य नगर, हरिनगर रेलवे स्टेशन के नजदीक, ग्राम+पो०-हरिनगर, जिला-पश्चिमी चम्पारण में सुनिश्चित की गयी हैं। इसकी सूचना दैनिक समाचार पत्रों के माध्यम से भी प्रकाशित की गई है, जिसकी छाया प्रति सुलभ जानकारी हेतु संलग्न की जा रही है। आवेदक से प्राप्त परियोजना के ड्राफ्ट ई.आई.ए. एवं कार्यपालक सार (हिन्दी एवं अंग्रेजी में) की प्रति हार्ड एवं सॉफ्ट कॉपी संलग्न कर भेजी जा रही है, ताकि परियोजना से प्रभावित होने वाले क्षेत्रों के लोगों के अवलोकनार्थ प्रदर्शित कराया जा सके।

अनुरोध होगा कि लोक सुनवाई की अध्यक्षता उपरोक्त कार्यक्रम के अनुसार सुनिश्चित करने की कृपा की जाय।

- अनुलग्नक:
1. ड्राफ्ट ई.आई.ए. की हार्ड एवं सॉफ्ट प्रति।
  2. हिन्दी एवं अंग्रेजी में कार्यपालक सार की प्रति।
  3. समाचार पत्र में प्रकाशित सूचना की छाया प्रति।

विश्वासभाजन्

ह०/-

(आलोक कुमार )

सदस्य-सचिव

ज्ञापनक :-

पटना, दिनांक :-

प्रतिलिपि :- आरक्षी अधीक्षक, बिहार सुगर मिल्स लि०, पश्चिमी चम्पारण को सूचनार्थे एवं आवश्यक कार्रवाई हेतु प्रेषित। अनुरोध है कि प्रासंगिक लोक सुनवाई के दौरान समुचित सुरक्षा सुनिश्चित करने हेतु संबंधित थाना को आदेश देने की कृपा की जाय।

ह०/-

(आलोक कुमार)

सदस्य-सचिव



Sachet

ज्ञापांक :—  
प्रतिलिपि :—

पटना, दिनांक :— पटना, दिनांक :—  
प्रबंधक, आर्य समाज मंदिर परिसर, आर्य नगर, हरिनगर रेलवे स्टेशन के  
नजदीक, ग्राम+पो0—हरिनगर, जिला—पश्चिमी चम्पारण को सूचनार्थ एवं  
आवश्यक कार्रवाई हेतु प्रेषित।

ह0/-  
(आलोक कुमार )  
सदस्य—सचिव

ज्ञापांक :—

प्रतिलिपि :— थाना प्रभारी, हरिनगर, जिला— पश्चिमी चम्पारण को सूचनार्थ एवं  
आवश्यक कार्रवाई हेतु प्रेषित। अनुरोध है कि प्रासंगिक लोक सुनवाई के  
दौरान समुचित सुरक्षा सुनिश्चित करने की कृपा की जाय।

ह0/-  
(आलोक कुमार )  
सदस्य—सचिव

ज्ञापांक :— ३५०३.

पटना, दिनांक :— १५-१०-१६।

प्रतिलिपि :— श्री एस.एल.बहेती, मुख्या महाप्रबंधक, मेसर्स हरिनगर सुगर मिल्स लि0,  
ग्राम+पो0—हरिनगर, अंचल—रामनगर, जिला—पश्चिमी चम्पारण को सूचनार्थ  
प्रेषित। उपरोक्त लोक सुनवाई कार्यक्रम के दौरान वांछित क्रागजात के  
साथ अपनी उपस्थिति सुनिश्चित की जाय।

१५/१०/१६  
(आलोक कुमार )  
सदस्य—सचिव



gzelub

# HARINAGAR SUGAR MILLS LTD., HARIANGAR

Dated:

## TO WHOM IT MAY CONCERN

This is to certify that following numbers of patient in OPD is coming every day for treatment

- 01. Permanent - 50 to 60 (including their family)
- 02. Seasonal - 45 to 55 (including their family)



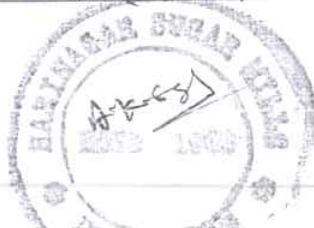
*S. Patel*  
Chief General Manager

HARINAGAR SUGAR MILLS LTD., SUGAR DIVISION, HARIANGAR

WEST CHAMPARAN, BIHAR

HEALTH CHECKUP REPORT OF EMPLOYEE OF MONTH ..... April 22 .....

SI. No.	P.F. No.	NAME OF THE EMPLOYEES	DISEASE	B.P.	BLOOD	EYE	L.F.T.	AUDIOMETRY TEST	NOSE	THROAT	REMARK
01	2271	Brijesh Kumar	Hypertension	122 80				(A)	(N)	(N)	Dr. Renu Rani from
02	3462	Mil. K. Haffar	DM	130 80							H.S.M Dyslipid
03	2212	Bhulan Lal	Hypertension Diabetes	140 90							Dr.
04	3124	Sanjay Malviya	DM	122 80	Hb 122						Dr. Anil Kumar
05	2428	Ramu Kumar Chaudhary	Fatty liver	130 80							
06	3472	I. Shant Kumar	DM COPD	122 80							
07	1983	Jamal I. Shekar Shah	H.T.N	140 90				(N)			
08	2317	Pratiksha Singh	DM	122 80	Hb 122						
09	3447	Malan Lal Sharma	H.T.N	140 80							
10	2587	K. J. Kishore	H.T.N	140 80							
11	1514	Shiv Prakash Pandey	DM	122 80							
12	1945	Umesh Singh P. Saini	DM H.T.N	140 80	Hb 122						
13	2330	Harodhan P. Saini	DM	122 82							
14	1828	Madhusand P. Sharma	DM	124 84							
15	2454	Ramesh Kumar Singh	DM	128 80	Hb 122						



For HARINAGAR SUGAR MILLS LTD.

S. K. S.  
CHIEF GENERAL MANAGER

HARINAGAR SUGAR MILLS LTD., SUGAR DIVISION, HARIANGAR

WEST CHAMPARAN, BIHAR

HEALTH CHECKUP REPORT OF EMPLOYEE OF MONTH ..... May 22

SI. No.	P.F. No.	NAME OF THE EMPLOYEES	DISEASE	B.P.	BLOOD	EYE	L.F.T.	AUDIOMETRY TEST	NOSE	THROAT	REMARK
01	3133	Arind Kumar	Lumbos Spinalgia	126 84			LFT	(CH)			
02	2328	Ashok kr mishra	H.T.N Dm	128 84							
03	3255	Ajeet kr Singh	Tubercle Pott's Disease	124 80		6/6					Dr. M - Achary
04	3083	Antaleshwar Jadhav	Dental pains	126 80							Dr. S. Ray MDS
05	2240	Bidram Raut	Joint pains	122 80			LFT				Dr. P. Kumar
06	2057	Ashok kr Shukla	Dm Gastritis	126 84							Dr. Arun Bansal
07	2764	Jamma Sel	Chest pains	120 80		6/6					Dr. Upadhyay Raj
08	2355	Rakesh kr Verma	H.T.N	130 80							
09	2185	Sunil kr Singh	H.T.N	140 88							Dr. Abhima Srivastava
10	3048	Jay Prakash The	Joint pains	122 80		6/6					Dr. Sandeep Upadhyay
11	1967	Ashok Kumar Agarwal	Dm	130 84							
12	2125	Md. Safiullah	Dm	122 82			LFT				
13	1946	Suresh kr Dubey	H.T.N	140 88							
14	1802	Hantamani Jader	Dm	110 70		6/6					
15	1890	Harpal Bhai	H.T.N	140 88							Dr. Alok Kr



FOR HARINAGAR SUGAR MILLS LTD.

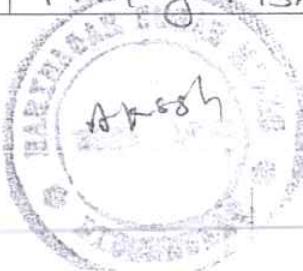
Dr. Alok Kr  
CHIEF GENERAL MANAGER

HARINAGAR SUGAR MILLS LTD., SUGAR DIVISION, HARIANGAR

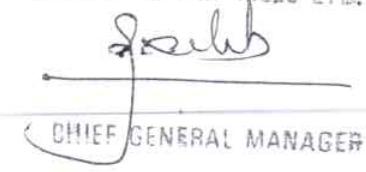
WEST CHAMPARAN, BIHAR

HEALTH CHECKUP REPORT OF EMPLOYEE OF MONTH ..... June ..... 2022

SI. No.	P.F. No.	NAME OF THE EMPLOYEES	DISEASE	B.P.	BLOOD	EYE	L.F.T.	AUDIOMETRY TEST	NOSE	THROAT	REMARK
01	3046	Srikant Singh	Spinal pain	120 80							Dr M-Ale
02	2596	Hiralal Sah	Tm facie paroxysm	124 84		6/6					Dr V. Arsh Dm
03	3028	Hari Chaudhary	Tons pain	130 80			LFT				Dr Umesh
04	2571	Akhlaque Ahmad	Dm	134 84				(N)			Dr V. R.R
05	2796	Sudhakar Mishra	Dm	130 82							Dr Chandra Pain f
06	2398	Bhagwati Singh	H-T-N	140 88							Dr V. Rishi Raj
07	2352	Shambhu Jader	H-T-N	142 90		6/6					Dr V. D. S. K. Raj
08	2654	MOTF Sah	Tons pain	120 80			LFT				
09	2775	Sushil Tripathi	Tm paroxysm	122 84							
10	2173	Awadh kishan kumar	Angi infn	120 80							Dr Nitish
11	2921	Ramoy kr Jader	Dm	124 82	145/144						
12	3025	Om Prakash Chaudhary	Dm	124 86		6/6					
13	2680	Ramash chandra jader	H-T-N Dm	122 82	145/142						
14	2855	Pramod kr Jader	H-T-N	142 90			LFT				
15	2883	Pramod mishra	H-T-N	144 92							



For HARINAGAR SUGAR MILLS LTD.

  
Chief General Manager

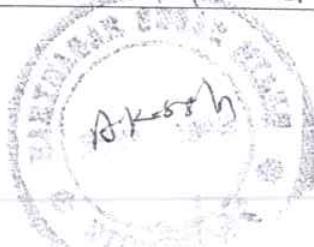
HARINAGAR SUGAR MILLS LTD., SUGAR DIVISION, HARIANGAR

WEST CHAMPARAN, BIHAR

HEALTH CHECKUP REPORT OF EMPLOYEE OF MONTH ..... July .....

2022

SI. No.	P.F. No.	NAME OF THE EMPLOYEES	DISEASE	B.P.	BLOOD	EYE	L.F.T.	AUDIOMETRY TEST	NOSE	THROAT	REMARK
01	3156	Chandan kumar verma	Cough and cold	120 80				(M)			Drupdesh verma
02	2123	Krishna chaitanya Agarwal	DM	124 86		6/6					
03	2054	Abhay kumar Thakur	HTN	142 88							
04	2313	Rajeshwar Pandey	HT-N	140 90			L.F.T				
05	2755	Sheshnath Dasgupta	DM	120 80							Dr NAW
06	2758	Sheshnath dasgupta	HTN+congest	110 70		6/6					
07	3242	Sonal Krishanacharya	HTN+congest	122 94							
08	2386	Drupad Singh	HT-N	144 92							
09	1970	Amarendra Kumar	HT-N	140 90		6/6	(M)				Dr. Drupad Singh
10	3045	Sonu kumar Patel	DM	122 80							
11	1938	Krishnayya Sankar	Arterioscler disease	122 80			L.F.T				
12	3420	Shiv Dasgupta Narayan	HT-TT	144 96							
13	3034	Jogesh Awasthi	DM	120 80		6/6	(N)				
14	3416	Drupad Singh Sons	Anti Allergic	122 82							
15	1954	Uttam kumar Verma	HT-N	144 94							



For HARINAGAR SUGAR MILLS LTD.

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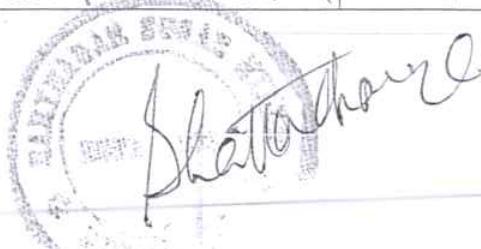
(CHIEF GENERAL MANAGER)

HARINAGAR SUGAR MILLS LTD., SUGAR DIVISION, HARIANGAR

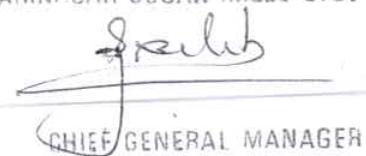
WEST CHAMPARAN, BIHAR

HEALTH CHECKUP REPORT OF EMPLOYEE OF MONTH ..... August 2022 .....

SI. No.	P.F. No.	NAME OF THE EMPLOYEES	DISEASE	B.P.	BLOOD	EYE	L.F.T.	AUDIOMETRY TEST	NOSE	THROAT	REMARK
01	2703	Raveendran chandhaji	DM	120 80		6/6					Dr. S. Pr no
02	3465	Satyendra Prashar	H.T.S	144 92				(N)			
03	3272	Abdul Ghaffar chandhaji	Fungal infection	122 80							Dr. M. B. Prachin
04	2856	Ramakrishna dwari	Fatty liver	110 70							Dr. Ritu
05	2237	Aswad Ali	Diabetic pnm	122 80			L.F.T				Dr. M. Alam
06	2455	Munna Thakur	H.T.S	130 92							
07	2337	Manoj pr fathark	DM H.T.S	120 80		6/6					
08	2845	Umesh Sah	Fatty pnm	124 84							
09	2830	Aziz mgt	Fungal infection	126 82				(N)			
10	3146	Om prakash mishra	Thiacaffeine	122 80							Dr. A. Bhattacharya
11	1964	Sunil pr swastha	DM	128 84		6/6					
12	1832	Anil pr swastha	DM	128 84		6/6		(N)			
13	3263	Dr. m. shukla	H.T.N	130 92							Dr. A. Bhattacharya
14	2132	Ramdhara Sharma	H.T.S	146 92							
15	2531	S. K. swastha	DM	130 82							



For HARINAGAR SUGAR MILLS LTD.

  
Signature  
**CHIEF GENERAL MANAGER**

HARINAGAR SUGAR MILLS LTD., SUGAR DIVISION, HARIANGAR

WEST CHAMPARAN, BIHAR

HEALTH CHECKUP REPORT OF EMPLOYEE OF MONTH ..... September 2022

SI. No.	P.F. No.	NAME OF THE EMPLOYEES	DISEASE	B.P.	BLOOD	EYE	L.F.T.	AUDIOMETRY TEST	NOSE	THROAT	REMARK
01	2280	Sohan kr	DM	124 80		6/6					Dr A.Bhatt
02	3254	Munna pal	Cough cold	130 82					N		
03	3021	Anand Pal	DM cough	140 86							Dr A.Bhatta
04	2850	Rakesh Singh	Cough cold	130 81							
05	2688	Kishori Mohan	Tonsil pm	122 84							
06	2185	Mahan Singh	DM	128 84		6/6					
07	3235	Rajendra Mishra	abdominal Disease	130 86							
08	2718	Ramkumar Mohan	Tinkling	122 84							
09	2858	Satyadev Pandey	H-T-N	142 86							Dr A.Bhatta
10	2453	Hajira Islam	H-T-N	140 80			L.F.T				
11	2723	Sumit Singh	DM	122 80		6/6					
12	2347	Shreshth Singh	DM	120 80							
13	2117	Bimendra Pal	H-T-N	140 88							
14	3069	Satish Kumar	DM	122 80							
15	2348	Pankesh Singh	abdominal Disease	120 80							

For HARINAGAR SUGAR MILLS LTD.

CHIEF GENERAL MANAGER



# SHIVA TEST HOUSE

(Serving since 1988)



TC-10582

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

Ref. No. <i>STH/TR/22-23/2105</i>	Dt: <i>08.09.2022</i>	Your Work Order No. <i>8900</i>	Dt : <i>16.01.2021</i>		
[a] Name and address of the Customer		Chief General Manager M/s Harinagar Sugar Mills (Distillery Division) P.O.: Harinagar <b>W. CHAMPARAN – 845 103</b>			
[b] Details of Sample		<i>Surface water sample</i>			
[c] Sample Collected by		SHIVA TEST HOUSE on 27.08.22			
[d] Sampling Location		<i>Upstream of Ramrekha Rivulet</i>			
[e] Method of Sampling		IS 3025, APHA			
[f] Sampling Environmental Condition		Temp. (°C)	28	Humidity (%)	65
[g] Details of Sample Container (No. & Type of Container)		Plastic Bottle (02)			
[h] Sample Quantity		2 Litres			
[i] Sample Code		SW-2105			
[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		28.08.22			
[n] Analysis Start Date / Analysis Completion Date		29.08.22 / 01.09.22			
Sl. No.	Parameters	Unit	Method of Test	Result	
1.	pH	----	IS 3025 (Part-11)	6.94	
2.	Total Hardness as CaCO <sub>3</sub>	mg/l.	IS 3025 (Part-21)	126.0	
3.	Dissolved Oxygen	mg/l.	IS 3025 (Part-38)	6.5	
4.	B.O.D.(3 days at 27°C)	mg/l.	IS 3025 (Part-44)	1.5	
5.	C.O.D.	mg/l.	APHA 5220 B	13.0	
6.	Chloride as Cl	mg/l.	IS 3025 (Part-32)	15.0	
7.	Ammonical Nitrogen as N	mg/l.	IS 3025 (Part-34)	0.84	
8.	Total Kjeldahl Nitrogen as N	mg/l.	IS 3025 (Part-34)	1.1	
9.	Fluoride as F	mg/l.	APHA (4500 F D)	0.22	
10.	Total Phosphate as P	mg/l.	IS 3025 (Part-31)	0.28	

**SHIBESHWAR PRASAD**

Digitally signed by  
SHIBESHWAR PRASAD  
Date: 2022.09.08  
16:48:00 +05'30'

Verified by:  
Technical Manager



- END OF TEST REPORT -

**Shreyasee Prasad**

Digitally signed by  
Shreyasee Prasad  
Date: 2022.09.08  
16:51:36 +05'30'

Authorized Signatory  
Quality Manager



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

Mob : +918676886249 ; +919431047908 Email : [shtpatna@vahoo.co.in](mailto:shtpatna@vahoo.co.in) ; [info@shivatest.com](mailto:info@shivatest.com)

Website : [www.shivatest.com](http://www.shivatest.com) ; [www.shivatesthouse.com](http://www.shivatesthouse.com)





# SHIVA TEST HOUSE

(Serving since 1988)



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## TEST REPORT

Ref. No. <i>STH/TR/22-23/2106</i>	Dt: <i>08.09.2022</i>	Your Work Order No. <i>8900</i>	Dt : <i>16.01.2021</i>	
[a] Name and address of the Customer	Chief General Manager M/s Harinagar Sugar Mills (Distillery Division) P.O.: Harinagar <b>W. CHAMPARAN – 845 103</b>			
[b] Details of Sample	<i>Surface water sample</i>			
[c] Sample Collected by	SHIVA TEST HOUSE on 27.08.22			
[d] Sampling Location	<i>Downstream of Ramrekha Rivulet</i>			
[e] Method of Sampling	IS 3025, APHA			
[f] Sampling Environmental Condition	Temp. (°C)	28	Humidity (%)	65
[g] Details of Sample Container (No. & Type of Container)	Plastic Bottle (02)			
[h] Sample Quantity	2 Litres			
[i] Sample Code	SW-2106			
[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	28.08.22			
[n] Analysis Start Date / Analysis Completion Date	29.08.22 / 01.09.22			
Sl. No.	Parameters	Unit	Method of Test	Result
1.	pH	----	IS 3025 (Part-11)	<b>6.91</b>
2.	Total Hardness as CaCO <sub>3</sub>	mg/l.	IS 3025 (Part-21)	<b>128.0</b>
3.	Dissolved Oxygen	mg/l.	IS 3025 (Part-38)	<b>6.4</b>
4.	B.O.D.(3 days at 27°C)	mg/l.	IS 3025 (Part-44)	<b>1.9</b>
5.	C.O.D.	mg/l.	APHA 5220 B	<b>28.0</b>
6.	Chloride as Cl	mg/l.	IS 3025 (Part-32)	<b>14.0</b>
7.	Ammonical Nitrogen as N	mg/l.	IS 3025 (Part-34)	<b>1.1</b>
8.	Total Kjeldahl Nitrogen as N	mg/l.	IS 3025 (Part-34)	<b>1.7</b>
9.	Fluoride as F	mg/l.	APHA (4500 F D)	<b>0.25</b>
10.	Total Phosphate as P	mg/l.	IS 3025 (Part-31)	<b>0.27</b>

**SHIBESHWAR PRASAD**  
Digitally signed by  
SHIBESHWAR PRASAD  
Date: 2022.09.08  
16:49:27 +05'30'

Verified by :  
Technical Manager



**Shreyasee Prasad**

Digitally signed by  
Shreyasee Prasad  
Date: 2022.09.08  
16:51:52 +05'30'  
Authorized Signatory  
Quality Manager

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MoB : +91 9676886249 ; +91 9431047908

Email : [ssthpatna1@yahoo.co.in](mailto:ssthpatna1@yahoo.co.in) ; [info@shivatest.com](mailto:info@shivatest.com)

Website : [www.shivatest.com](http://www.shivatest.com) ; [www.shivatesthouse.com](http://www.shivatesthouse.com)





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## TEST REPORT

Ref. No. STH/TR/22-23/632 Dt: 01.06.2022 Your Work Order No. 8917 Dt: 17.01.2021

[a] Name and address of the Customer	Chief General Manager M/s Harinagar Sugar Mills P.O.: Harinagar W. CHAMPARAN – 845 103			
[b] Details of Sample	Ground water sample			
[c] Sample Collected by	SHIVA TEST HOUSE on 20.05.22			
[d] Sampling Location	Collected from Borewell 1			
[e] Method of Sampling	IS 3025, APHA			
[f] Sampling Environmental Condition	Temp. (°C)	32	Humidity (%)	54
[g] Details of Sample Container (No. & Type of Container)	Plastic Bottle (02)			
[h] Sample Quantity	2 Litres			
[i] Sample ID	BW-632/22			
[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	20.05.22			
[n] Analysis Start Date / Analysis Completion Date	20.05.22 / 22.05.22			

Parameters	Unit	Limit as per IS 10500 : 2012		Results
		Limit (mg/l.) Desirable	Permissible Limit in the absence of alternative source	
1. Colour	CU	5.0 Hazen Limit	25	5.00
2. pH	--	6.5 to 8.5	--	7.22
3. Total Dissolved Solids	mg/l.	500.00	2000.00	252.0
4. Turbidity on NTU	--	1.00	5.00	< 1.00
5. Total Hardness as CaCO <sub>3</sub>	mg/l.	200.00	600.00	236.0
6. Calcium as Ca	mg/l.	75.00	200.00	64.1
7. Magnesium as Mg	mg/l.	30.00	100.0	18.5
8. Iron as Fe	mg/l.	1.0	No relaxation	0.28
9. Total Alkalinity as CaCO <sub>3</sub>	mg/l.	200.00	600.00	224.0
10. Chloride as Cl	mg/l.	250.00	1000.00	18.0
11. Sulphate as SO <sub>4</sub>	mg/l.	200.00	400.00	23.2
12. Nitrate as NO <sub>3</sub>	mg/l.	45.00	No relaxation	1.74
13. Phosphate as PO <sub>4</sub>	mg/l.	---	---	0.12

Verified By :  
Technical Manager

*Haran*  
01/06/2022



*Shreyas Patel*  
Authorized Signatory  
Quality Manager

-- END OF TEST REPORT --

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

Mob.: +918676886249 ; +919431047908 Email: sthpatna@yahoo.co.in ; info@shivatest.com



# SHIVA TEST HOUSE

(Serving since 1988)



TC-10582

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## TEST REPORT

Ref. No. STH/TR/22-23/1039 Dt: 06.07.2022 Your Work Order No. 8917 Dt : 17.01.2021

[a] Name and address of the Customer	Chief General Manager M/s Harinagar Sugar Mills P.O.: Harinagar W. CHAMPARAN – 845 103			
[b] Details of Sample	Ground water sample			
[c] Sample Collected by	SHIVA TEST HOUSE on 20.06.22			
[d] Sampling Location	Collected from Borewell 1			
[e] Method of Sampling	IS 3025, APHA			
[f] Sampling Environmental Condition	Temp. (°C)	35	Humidity (%)	51
[g] Details of Sample Container (No. & Type of Container)	Plastic Bottle (02)			
[h] Sample Quantity	2 Litres			
[i] Sample ID	W-1039/22			
[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	21.06.22			
[n] Analysis Start Date / Analysis Completion Date	21.06.22 / 23.06.22			

Parameters	Unit	Limit as per IS 10500 : 2012		Results
		Limit (mg/l.) Desirable	Permissible Limit in the absence of alternative source	
1. Colour	CU	5.0 Hazen Limit	25	5.00
2. pH	--	6.5 to 8.5	--	7.27
3. Total Dissolved Solids	mg/l.	500.00	2000.00	232.0
4. Turbidity on NTU	--	1.00	5.00	< 1.00
5. Total Hardness as CaCO <sub>3</sub>	mg/l.	200.00	600.00	228.0
6. Calcium as Ca	mg/l.	75.00	200.00	60.9
7. Magnesium as Mg	mg/l.	30.00	100.0	18.5
8. Iron as Fe	mg/l.	1.0	No relaxation	0.3
9. Total Alkalinity as CaCO <sub>3</sub>	mg/l.	200.00	600.00	216.0
10. Chloride as Cl	mg/l.	250.00	1000.00	19.0
11. Sulphate as SO <sub>4</sub>	mg/l.	200.00	400.00	22.8
12. Nitrate as NO <sub>3</sub>	mg/l.	45.00	No relaxation	1.72
13. Phosphate as PO <sub>4</sub>	mg/l.	---	---	0.12

SHIBESHW  
AR PRASAD

Digitally signed by  
SHIBESHWAR PRASAD  
Date: 2022.07.08  
17:38:09 +05'30'

Verified by :  
Technical Manager

Shreyasee  
Prasad

Digitally signed by  
Shreyasee Prasad  
Date: 2022.07.08  
17:38:22 +05'30'  
Authorized Signatory  
Quality Manager



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Contact us : 122-C. Astha, Road No. 5A, Patliputra Colony, Patna – 800 013 (Bihar)

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Website www.shivatest.com, www.shivatesthouse.com





# SHIVA TEST HOUSE

(Serving since 1988)



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## TEST REPORT

Ref. No. STH/TR/22-23/1525		Dt: 05.08.2022	Your Work Order No. 8917	Dt: 17.01.2021	
[a] Name and address of the Customer		Chief General Manager M/s Harinagar Sugar Mills P.O.: Harinagar W. CHAMPARAN – 845 103			
[b] Details of Sample		Water sample marked as Borewell Water			
[c] Sample Collected by		SHIVA TEST HOUSE on 13.07.22			
[d] Sampling Location		Collected from Borewell 1			
[e] Method of Sampling		IS 3025, APHA			
[f] Sampling Environmental Condition		Temp. (°C)	35	Humidity (%)	58
[g] Details of Sample Container (No. & Type of Container)		Plastic Bottle (02)			
[h] Sample Quantity		2 Litres			
[i] Sample ID		BW-1525/22			
[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		14.07.22			
[n] Analysis Start Date / Analysis Completion Date		14.07.22 / 17.07.22			
Parameters	Unit	Limit as per IS 10500 : 2012			Results
		Limit (mg/l.) Desirable	Permissible Limit in the absence of alternative source		
1. Colour	CU	5.0 Hazen Limit	25		<5.00
2. pH	--	6.5 to 8.5	--		7.34
3. Total Dissolved Solids	mg/l.	500.00	2000.00		241.0
4. Turbidity on NTU	--	1.00	5.00		< 1.00
5. Total Hardness as CaCO <sub>3</sub>	mg/l.	200.00	600.00		204.0
6. Calcium as Ca	mg/l.	75.00	200.00		52.9
7. Magnesium as Mg	mg/l.	30.00	100.0		18.0
8. Iron as Fe	mg/l.	1.0	No relaxation		0.29
9. Total Alkalinity as CaCO <sub>3</sub>	mg/l.	200.00	600.00		216.0
10. Chloride as Cl	mg/l.	250.00	1000.00		18.0
11. Sulphate as SO <sub>4</sub>	mg/l.	200.00	400.00		21.9
12. Nitrate as NO <sub>3</sub>	mg/l.	45.00	No relaxation		1.66
13. Phosphate as PO <sub>4</sub>	mg/l.	---	---		0.11

SHIBESHWAR PRASAD  
AR PRASAD  
Digitally signed by  
SHIBESHWAR PRASAD  
Date: 2022.08.05  
17:02:12 +05'30'

Verified by:  
Technical Manager



Shreyasee  
Prasad

Digitally signed by  
Shreyasee Prasad  
Date: 2022.08.05  
17:02:23 +05'30'

Authorized Signatory  
Quality Manager



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## TEST REPORT

Ref. No. STH/TR/22-23/2093 Dt: 08.09.2022 Your Work Order No. 8917 Dt : 17.01.2021

[a] Name and address of the Customer	Chief General Manager M/s Harinagar Sugar Mills P.O.: Harinagar W. CHAMPARAN – 845 103			
[b] Details of Sample	Water sample marked as Borewell Water			
[c] Sample Collected by	SHIVA TEST HOUSE on 26.08.22			
[d] Sampling Location	Collected near Admin Building			
[e] Method of Sampling	IS 3025, APHA			
[f] Sampling Environmental Condition	Temp. (°C)	29	Humidity (%)	65
[g] Details of Sample Container (No. & Type of Container)	Plastic Bottle (02)			
[h] Sample Quantity	2 Litres			
[i] Sample Code	BW-2093			
[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	27.08.22			
[n] Analysis Start Date / Analysis Completion Date	27.08.22 / 29.08.22			

Parameters	Unit	Limit as per IS 10500 : 2012		Results
		Limit (mg/l.) Desirable	Permissible Limit in the absence of alternative source	
1. Colour	CU	5.0 Hazen Limit	25	<5.00
2. pH	--	6.5 to 8.5	--	7.22
3. Total Dissolved Solids	mg/l.	500.00	2000.00	294.0
4. Turbidity on NTU	--	1.00	5.00	< 1.00
5. Total Hardness as CaCO <sub>3</sub>	mg/l.	200.00	600.00	224.0
6. Calcium as Ca	mg/l.	75.00	200.00	59.3
7. Magnesium as Mg	mg/l.	30.00	100.0	18.5
8. Iron as Fe	mg/l.	1.0	No relaxation	0.31
9. Total Alkalinity as CaCO <sub>3</sub>	mg/l.	200.00	600.00	212.0
10. Chloride as Cl	mg/l.	250.00	1000.00	21.0
11. Sulphate as SO <sub>4</sub>	mg/l.	200.00	400.00	22.6
12. Nitrate as NO <sub>3</sub>	mg/l.	45.00	No relaxation	1.7
13. Phosphate as PO <sub>4</sub>	mg/l.	---	---	0.16

SHIBESHW  
AR PRASAD

Digitally signed by  
SHIBESHWAR PRASAD  
Date: 2022.09.09  
12:08:07 +05'30'

Verified by:  
Technical Manager



Shreyasee  
Prasad

Digitally signed by  
Shreyasee Prasad  
Date: 2022.09.09  
12:10:10 +05'30'  
Authorized Signatory  
Quality Manager



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## TEST REPORT

Ref. No. STH/TR/22-23/2730	Dt: 08.10.2022	Your Work Order No. 8917	Dt: 17.01.2021
[a] Name and address of the Customer		Chief General Manager M/s Harinagar Sugar Mills P.O.: Harinagar W. CHAMPAJAN – 845 103	
[b] Details of Sample		Water sample marked as Borewell Water	
[c] Sample Collected by		SHIVA TEST HOUSE on 26.09.22	
[d] Sampling Location		Collected near Admin Building	
[e] Method of Sampling		IS 3025 / APHA	
[f] Sampling Environmental Condition		Temp. (°C) 31	Humidity (%) 67
[g] No. & Type of Container		Plastic Bottle (02)	
[h] Sample Quantity		2 Litres	
[i] Sample Code		BW-2730	
[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		27.09.22	
[n] Analysis Start Date / Analysis Completion Date		27.09.22 - 29.09.22	

S.N.	Parameters	Unit	Method of Test	Limits as per IS 10500 : 2012		Results
				Limit (mg/l) Acceptable	Permissible Limit in the absence of alternative source	
1	Colour	CU	IS 3025 (Part-4)	5.0 Hazen Limit	25	<5.00
2	pH	--	IS 3025 (Part-11)	6.5 to 8.5	--	7.45
3	Total Dissolved Solids	--	IS 3025 (Part-16)	500.00	2000.00	262.0
4	Turbidity on NTU	mg/l	IS 3025 (Part-10)	1.00	5.00	< 1.00
5	Total Hardness as CaCO <sub>3</sub>	mg/l	IS 3025 (Part-21)	200.00	600.00	184.0
6	Calcium as Ca	mg/l	IS 3025 (Part-40)	75.00	200.00	46.5
7	Magnesium as Mg	mg/l	IS 3025 (Part-46)	30.00	100.0	16.5
8	Iron as Fe	mg/l	IS 3025 (Part-53)	1.0	No relaxation	0.24
9	Total Alkalinity as CaCO <sub>3</sub>	mg/l	IS 3025 (Part-23)	200.00	600.00	218.0
10	Chloride as Cl	mg/l	IS 3025 (Part-32) -	250.00	1000.00	12.0
11	Sulphate as SO <sub>4</sub>	mg/l	APHA (4500-E)	200.00	400.00	18.2
12	Nitrate as NO <sub>3</sub>	mg/l	APHA (4500 NO <sub>3</sub> - B)	45.00	No relaxation	1.24

SHIBESHW  
AR PRASAD

Digitally signed by  
SHIBESHWAR PRASAD  
Date: 2022.10.10  
11:15:40 +05'30'

Verified by :  
Technical Manager

Shreyasee  
Prasad

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Shreyasee Prasad  
Date: 2022.10.10  
11:27:00 +05'30'

Authorized Signatory  
Quality Manager

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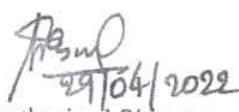
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Ref. No. HSM/TR/22-23/335	Dt : 29.04.2022	Your Work Order No. 8917	Dt : 17.01.2021	
[a] Name and address of the Customer	<b>Chief General Manager</b> <b>M/s Harinagar Sugar Mills</b> <b>P.O.: Harinagar</b> <b>W. CHAMPARAN – 845 103</b>			
[b] Details of Sample	<i>Surface water sample</i>			
[c] Sample Collected by	SHIVA TEST HOUSE on 25.04.22			
[d] Sampling Location	<i>Upstream of Ramrekha Rivulet</i>			
[e] Method of Sampling	IS 3025, APHA			
[f] Sampling Environmental Condition	Temp. (°C)	34	Humidity (%)	49
[g] Details of Sample Container (No. & Type of Container )	Plastic Bottle (02)			
[h] Sample Quantity	2 Litres			
[i] Items required to be tested	As per request			
[j] Whether any specific Method of Test has been suggested by the customer	No			
[k] Date of receiving the sample in Laboratory	25.04.22			
[l] Analysis Start Date / Analysis Completion Date	25.04.22 / 28.04.22			
Sl. No.	Parameters	Method of Test	Result (in mg/l.) except pH	
1.	pH	IS 3025 (Part-11)	7.51	
2.	Total Hardness as CaCO <sub>3</sub>	IS 3025 (Part-21)	188.0	
3.	Dissolved Oxygen	IS 3025 (Part-38)	6.4	
4.	B.O.D. (3 days at 27°C)	IS 3025 (Part-44)	2.1	
5.	C.O.D.	APHA 5220 B	16.0	
6.	Chloride as Cl	IS 3025 (Part-32)	16.0	
7.	Ammonical Nitrogen as N	IS 3025 (Part-34)	1.1	
8.	Total Kjeldahl Nitrogen as N	IS 3025 (Part-34)	1.7	
9.	Fluoride as F	APHA (4500 F D)	0.50	
10.	Total Phosphate as P	IS 3025 (Part-31)	0.29	



  
Authorized Signatory  
Quality Manager / Dy. Quality Manager

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

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Ref. No. HSM/TR/22-23/336	Dt : 29.04.2022	Your Work Order No. 8917	Dt : 17.01.2021		
[a] Name and address of the Customer		<b>Chief General Manager</b> <b>M/s Harinagar Sugar Mills</b> <b>P.O.: Harinagar</b> <b>W. CHAMPARAN – 845 103</b>			
[b] Details of Sample		<i>Surface water sample</i>			
[c] Sample Collected by		SHIVA TEST HOUSE on 25.04.22			
[d] Sampling Location		<i>Downstream of Ramrekha Rivulet</i>			
[e] Method of Sampling		IS 3025, APHA			
[f] Sampling Environmental Condition		Temp. (°C)	34	Humidity (%)	49
[g] Details of Sample Container (No. & Type of Container )		Plastic Bottle (02)			
[h] Sample Quantity		2 Litres			
[i] Items required to be tested		As per request			
[j] Whether any specific Method of Test has been suggested by the customer		No			
[k] Date of receiving the sample in Laboratory		25.04.22			
[l] Analysis Start Date / Analysis Completion Date		25.04.22 / 28.04.22			
Sl. No.	Parameters	Method of Test	Result (in mg/l.) except pH		
1.	pH	IS 3025 (Part-11)	7.34		
2.	Total Hardness as CaCO <sub>3</sub>	IS 3025 (Part-21)	220.0		
3.	Dissolved Oxygen	IS 3025 (Part-38)	5.9		
4.	B.O.D. (3 days at 27°C)	IS 3025 (Part-44)	2.7		
5.	C.O.D.	APHA 5220 B	28.0		
6.	Chloride as Cl	IS 3025 (Part-32)	20.0		
7.	Ammonical Nitrogen as N	IS 3025 (Part-34)	1.7		
8.	Total Kjeldahl Nitrogen as N	IS 3025 (Part-34)	2.8		
9.	Fluoride as F	APHA (4500 F D)	0.54		
10.	Total Phosphate as P	IS 3025 (Part-31)	0.3		



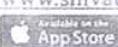
✓ Authorized Signatory  
Quality Manager / Dy. Quality Manager

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

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## TEST REPORT

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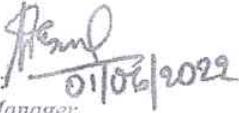
Ref. No. STH/TR/22-23/630 Dt: 01.06.2022 Your Work Order No. 8917 Dt: 17.01.2021

[a] Name and address of the Customer	Chief General Manager M/s Harinagar Sugar Mills P.O.: Harinagar W. CHAMPARAN – 845 103			
[b] Details of Sample	Surface water sample			
[c] Sample Collected by	SHIVA TEST HOUSE on 20.05.22			
[d] Sampling Location	Upstream of Ramrekha Rivulet			
[e] Method of Sampling	IS 3025, APHA			
[f] Sampling Environmental Condition	Temp. (°C)	35	Humidity (%)	51
[g] Details of Sample Container (No. & Type of Container)	Plastic Bottle (02)			
[h] Sample Quantity	2 Litres			
[i] Sample ID	SW-630/22			
[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	20.05.22			
[n] Analysis Start Date / Analysis Completion Date	20.05.22 / 23.05.22			

Sl. No.	Parameters	Unit	Method of Test	Tolerance Limit as per IS 2296-1982		Result
				For Class 'A''	For Class 'C'''	
1.	pH	---	IS 3025 (Part-11)	6.5 - 8.5	6.5 – 8.5	7.43
2.	Total Hardness as CaCO <sub>3</sub>	mg/l.	IS 3025 (Part-21)	Not Specified	Not Specified	168.0
3.	Dissolved Oxygen	mg/l.	IS 3025 (Part-38)	6	4	6.6
4.	B.O.D. (3 days at 27°C)	mg/l.	IS 3025 (Part-44)	2.0	3.0	2.3
5.	C.O.D.	mg/l.	APHA 5220 B	Not Specified	Not Specified	20.0
6.	Chloride as Cl	mg/l.	IS 3025 (Part-32)	250	600	15.0
7.	Ammonical Nitrogen as N	mg/l.	IS 3025 (Part-34)	Not Specified	Not Specified	1.1
8.	Total Kjeldahl Nitrogen as N	mg/l.	IS 3025 (Part-34)	Not Specified	Not Specified	1.7
9.	Fluoride as F	mg/l.	APHA (4500 F D)	1.5	1.5	0.50
10.	Total Phosphate as P	mg/l.	IS 3025 (Part-31)	Not Specified	Not Specified	0.28

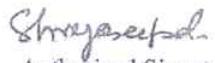
Class 'A''' Drinking water source without conventional treatment but after disinfection

Class 'C''' Drinking water source with conventional treatment followed by disinfection.

Verified by :   
Technical Manager

-- END OF TEST REPORT --



  
Authorized Signatory  
Quality Manager

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## TEST REPORT

Ref. No. STH/TR/22-23/631		Dt: 01.06.2022	Your Work Order No. 8917	Dt: 17.01.2021	
[a] Name and address of the Customer		Chief General Manager M/s Harinagar Sugar Mills P.O.: Harinagar W. CHAMPARAN – 845 103			
[b] Details of Sample	Surface water sample				
[c] Sample Collected by	SHIVA TEST HOUSE on 20.05.22				
[d] Sampling Location	Downstream of Ramrekha Rivulet				
[e] Method of Sampling	IS 3025, APHA				
[f] Sampling Environmental Condition	Temp. (°C) 35 Humidity (%) 51				
[g] Details of Sample Container (No. & Type of Container)	Plastic Bottle (02)				
[h] Sample Quantity	2 Litres				
[i] Sample ID	SW-631/22				
[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	20.05.22				
[n] Analysis Start Date / Analysis Completion Date	20.05.22 / 23.05.22				
Sl. No.	Parameters	Unit	Method of Test	Tolerance Limit as per IS 2296-1982	Result
				For Class 'A''	
1.	pH	---	IS 3025 (Part-11)	6.5 - 8.5	6.5 - 8.5
2.	Total Hardness as CaCO <sub>3</sub>	mg/l.	IS 3025 (Part-21)	Not Specified	Not Specified
3.	Dissolved Oxygen	mg/l.	IS 3025 (Part-38)	6	4
4.	B.O.D. (3 days at 27°C)	mg/l.	IS 3025 (Part-44)	2.0	3.0
5.	C.O.D.	mg/l.	APHA 5220 B	Not Specified	Not Specified
6.	Chloride as Cl	mg/l.	IS 3025 (Part-32)	250	600
7.	Ammonical Nitrogen as N	mg/l.	IS 3025 (Part-34)	Not Specified	Not Specified
8.	Total Kjeldahl Nitrogen as N	mg/l.	IS 3025 (Part-34)	Not Specified	Not Specified
9.	Fluoride as F	mg/l.	APHA (4500 F D)	1.5	1.5
10.	Total Phosphate as P	mg/l.	IS 3025 (Part-31)	Not Specified	Not Specified

Class 'A': Drinking water source without conventional treatment but after disinfection

Class 'C': Drinking water source with conventional treatment followed by disinfection.

Verified by  
Technical Manager

*Shreya*  
01/06/2022

-- END OF TEST REPORT --

*Shreyasita*  
Authorized Signatory  
Quality Manager

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Website : [www.shivatest.com](http://www.shivatest.com) : [www.shivatesthouse.com](http://www.shivatesthouse.com)





# SHIVA TEST HOUSE

(Serving since 1988)



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## TEST REPORT

Ref. No. STH/TR/22-23/1037	Dt: 06.07.2022	Your Work Order No. 8917	Dt: 17.01.2021			
[a] Name and address of the Customer		Chief General Manager M/s Harinagar Sugar Mills P.O.: Harinagar W. CHAMPARAN – 845 103				
[b] Details of Sample		Surface water sample				
[c] Sample Collected by		SHIVA TEST HOUSE on 20.06.22				
[d] Sampling Location		Upstream of Ramrekha Rivulet				
[e] Method of Sampling		IS 3025, APHA				
[f] Sampling Environmental Condition		Temp. (°C)	35	Humidity (%)	51	
[g] Details of Sample Container (No. & Type of Container)		Plastic Bottle (02)				
[h] Sample Quantity		2 Litres				
[i] Sample ID		SW-1037/22				
[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		20.06.22				
[n] Analysis Start Date / Analysis Completion Date		20.06.22 / 23.06.22				
Sl. No.	Parameters	Unit	Method of Test	Tolerance Limit as per IS 2296-1982		Result
				For Class 'A''	For Class 'C'''	
1.	pH	---	IS 3025 (Part-11)	6.5 - 8.5	6.5 - 8.5	7.25
2.	Total Hardness as CaCO <sub>3</sub>	mg/l.	IS 3025 (Part-21)	Not Specified	Not Specified	158.0
3.	Dissolved Oxygen	mg/l.	IS 3025 (Part-38)	6	4	6.5
4.	B.O.D. (3 days at 27°C)	mg/l.	IS 3025 (Part-44)	2.0	3.0	2.2
5.	C.O.D.	mg/l.	APHA 5220 B	Not Specified	Not Specified	20.0
6.	Chloride as Cl	mg/l.	IS 3025 (Part-32)	250	600	16.0
7.	Ammonical Nitrogen as N	mg/l.	IS 3025 (Part-34)	Not Specified	Not Specified	1.4
8.	Total Kjeldahl Nitrogen as N	mg/l.	IS 3025 (Part-34)	Not Specified	Not Specified	1.7
9.	Fluoride as F	mg/l.	APHA (4500 F D)	1.5	1.5	0.48
10.	Total Phosphate as P	mg/l.	IS 3025 (Part-31)	Not Specified	Not Specified	0.3

Class 'A': Drinking water source without conventional treatment but after disinfection

Class 'C': Drinking water source with conventional treatment followed by disinfection.

SHIBESHWAR PRASAD

Digitally signed by  
SHIBESHWAR PRASAD  
Date: 2022.07.08  
17:36:51 +05'30'

Verified by :  
Technical Manager



Shreyasee  
Prasad

Digitally signed by  
Shreyasee Prasad  
Date: 2022.07.08  
17:37:06 +05'30'  
Authorized Signatory  
Quality Manager



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Website : [www.shivatest.com](http://www.shivatest.com), [www.shivatesthous.com](http://www.shivatesthous.com)





**SHIVA TEST HOUSE**  
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**TEST REPORT**

Ref. No. STH/TR/22-23/1038		Dt: 06.07.2022	Your Work Order No. 8917	Dt: 17.01.2021		
[a] Name and address of the Customer			Chief General Manager M/s Harinagar Sugar Mills P.O.: Harinagar <b>W. CHAMPARAN – 845 103</b>			
[b] Details of Sample			<i>Surface water sample</i>			
[c] Sample Collected by			SHIVA TEST HOUSE on 20.06.22			
[d] Sampling Location			<i>Downstream of Ramrekha Rivulet</i>			
[e] Method of Sampling			IS 3025, APHA			
[f] Sampling Environmental Condition			Temp. (°C)	35	Humidity (%)	51
[g] Details of Sample Container (No. & Type of Container)			Plastic Bottle (02)			
[h] Sample Quantity			2 Litres			
[i] Sample ID			SW-1038/22			
[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			20.06.22			
[n] Analysis Start Date / Analysis Completion Date			20.06.22 / 23.06.22			
Sl. No.	Parameters	Unit	Method of Test	Tolerance Limit as per IS 2296-1982		Result
				For Class 'A''	For Class 'C'''	
1.	pH	---	IS 3025 (Part-11)	6.5 - 8.5	6.5 - 8.5	7.21
2.	Total Hardness as CaCO <sub>3</sub>	mg/l.	IS 3025 (Part-21)	Not Specified	Not Specified	168.0
3.	Dissolved Oxygen	mg/l.	IS 3025 (Part-38)	6	4	6.2
4.	B.O.D. (3 days at 27°C)	mg/l.	IS 3025 (Part-44)	2.0	3.0	2.6
5.	C.O.D.	mg/l.	APHA 5220 B	Not Specified	Not Specified	28.0
6.	Chloride as Cl	mg/l.	IS 3025 (Part-32)	250	600	20.0
7.	Ammonical Nitrogen as N	mg/l.	IS 3025 (Part-34)	Not Specified	Not Specified	1.7
8.	Total Kjeldahl Nitrogen as N	mg/l.	IS 3025 (Part-34)	Not Specified	Not Specified	2.0
9.	Fluoride as F	mg/l.	APHA (4500 F D)	1.5	1.5	0.52
10.	Total Phosphate as P	mg/l.	IS 3025 (Part-31)	Not Specified	Not Specified	0.3

*Class 'A''*: Drinking water source without conventional treatment but after disinfection

*Class 'C'''*: Drinking water source with conventional treatment followed by disinfection.

**SHIBESHW  
AR PRASAD**

Digitally signed by  
SHIBESHWAR PRASAD  
Date: 2022.07.08  
17:37:32 +05'30'

Verified by :  
Technical Manager



**Shreyasee  
Prasad**

Digitally signed by  
Shreyasee Prasad  
Date: 2022.07.08  
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Authorized Signatory  
Quality Manager



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# SHIVA TEST HOUSE

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TC-10592

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## TEST REPORT

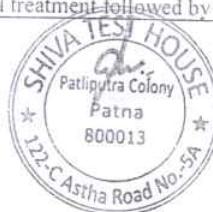
Ref. No. STH/TR/22-23/1526		Dt: 06.08.2022	Your Work Order No. 8917	Dt: 17.01.2021		
[a] Name and address of the Customer			Chief General Manager M/s Harinagar Sugar Mills P.O.: Harinagar W. CHAMPARAN – 845 103			
[b] Details of Sample			Surface water sample			
[c] Sample Collected by			SHIVA TEST HOUSE on 13.07.22			
[d] Sampling Location			Upstream of Ramrekha Rivulet			
[e] Method of Sampling			IS 3025, APHA			
[f] Sampling Environmental Condition			Temp. (°C)	35	Humidity (%)	58
[g] Details of Sample Container (No. & Type of Container)			Plastic Bottle (02)			
[h] Sample Quantity			2 Litres			
[i] Sample ID			SW-1526/22			
[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			14.07.22			
[n] Analysis Start Date / Analysis Completion Date			14.07.22 / 17.07.22			
Sl. No.	Parameters	Unit	Method of Test	Tolerance Limit as per IS 2296-1982		Result
				For Class 'A''	For Class 'C'''	
1.	pH	---	IS 3025 (Part-11)	6.5 - 8.5	6.5 – 8.5	7.12
2.	Total Hardness as CaCO <sub>3</sub>	mg/l.	IS 3025 (Part-21)	Not Specified	Not Specified	144.0
3.	Dissolved Oxygen	mg/l.	IS 3025 (Part-38)	6	4	6.3
4.	B.O.D. (3 days at 27°C)	mg/l.	IS 3025 (Part-44)	2.0	3.0	1.8
5.	C.O.D.	mg/l.	APHA 5220 B	Not Specified	Not Specified	24.0
6.	Chloride as Cl	mg/l.	IS 3025 (Part-32)	250	600	14.0
7.	Ammonical Nitrogen as N	mg/l.	IS 3025 (Part-34)	Not Specified	Not Specified	0.8
8.	Total Kjeldahl Nitrogen as N	mg/l.	IS 3025 (Part-34)	Not Specified	Not Specified	1.7
9.	Fluoride as F	mg/l.	APHA (4500 F D)	1.5	1.5	0.20
10.	Total Phosphate as P	mg/l.	IS 3025 (Part-31)	Not Specified	Not Specified	0.22

Class 'A'' : Drinking water source without conventional treatment but after disinfection

Class 'C''' : Drinking water source with conventional treatment followed by disinfection.

SHIBESHWAR PRASAD  
AR PRASAD  
Digitally signed by  
SHIBESHWAR PRASAD  
Date: 2022.08.05  
16:07:32 +05'30'

Verified by:  
Technical Manager



Shreyasee  
Prasad

Digitally signed by  
Shreyasee Prasad  
Date: 2022.08.05  
16:12:36 +05'30'

Authorized Signatory  
Quality Manager

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## TEST REPORT

Ref. No. STH/TR/22-23/1527

Dt: 05.08.2022

Your Work Order No. 8917

Dt: 17.01.2021

[a] Name and address of the Customer		Chief General Manager M/s Harinagar Sugar Mills P.O.: Harinagar W. CHAMPARAN – 845 103				
[b] Details of Sample		Surface water sample				
[c] Sample Collected by		SHIVA TEST HOUSE on 13.07.22				
[d] Sampling Location		Downstream of Ramrekha Rivulet				
[e] Method of Sampling		IS 3025, APHA				
[f] Sampling Environmental Condition		Temp. (°C)	35	Humidity (%)	58	
[g] Details of Sample Container (No. & Type of Container)		Plastic Bottle (02)				
[h] Sample Quantity		2 Litres				
[i] Sample ID		SW-1527/22				
[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		14.07.22				
[n] Analysis Start Date / Analysis Completion Date		14.07.22 / 17.07.22				
SI. No.	Parameters	Unit	Method of Test	Tolerance Limit as per IS 2296-1982		Result
				For Class 'A''	For Class 'C'''	
1.	pH	---	IS 3025 (Part-11)	6.5 - 8.5	6.5 - 8.5	7.05
2.	Total Hardness as CaCO <sub>3</sub>	mg/l.	IS 3025 (Part-21)	Not Specified	Not Specified	152.0
3.	Dissolved Oxygen	mg/l.	IS 3025 (Part-38)	6	4	6.1
4.	B.O.D. (3 days at 27°C)	mg/l.	IS 3025 (Part-44)	2.0	3.0	2.3
5.	C.O.D.	mg/l.	APHA 5220 B	Not Specified	Not Specified	32.0
6.	Chloride as Cl	mg/l.	IS 3025 (Part-32)	250	600	18.0
7.	Ammonical Nitrogen as N	mg/l.	IS 3025 (Part-34)	Not Specified	Not Specified	1.1
8.	Total Kjeldahl Nitrogen as N	mg/l.	IS 3025 (Part-34)	Not Specified	Not Specified	2.0
9.	Fluoride as F	mg/l.	APHA (4500 F D)	1.5	1.5	0.52
10.	Total Phosphate as P	mg/l.	IS 3025 (Part-31)	Not Specified	Not Specified	0.3

Class 'A': Drinking water source without conventional treatment but after disinfection

Class 'C': Drinking water source with conventional treatment followed by disinfection.

SHIBESHWAR PRASAD

Digitally signed by  
SHIBESHWAR PRASAD  
Date: 2022.08.05  
16:07:46 +05'30'

Verified by :  
Technical Manager



-- END OF TEST REPORT --

Shreyasee  
Prasad

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Shreyasee Prasad  
Date: 2022.08.05  
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Quality Manager

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# SHIVA TEST HOUSE

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TC-10582

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## TEST REPORT

Ref. No. <i>STH/TR/22-23/2105</i>	Dt: <i>08.09.2022</i>	Your Work Order No. <i>8900</i>	Dt: <i>16.01.2021</i>		
[a] Name and address of the Customer		Chief General Manager M/s Harinagar Sugar Mills (Distillery Division) P.O.: Harinagar <b>W. CHAMPARAN – 845 103</b>			
[b] Details of Sample		<i>Surface water sample</i>			
[c] Sample Collected by		SHIVA TEST HOUSE on 27.08.22			
[d] Sampling Location		<i>Upstream of Ramrekha Rivulet</i>			
[e] Method of Sampling		IS 3025, APHA			
[f] Sampling Environmental Condition		Temp. (°C)	28	Humidity (%)	65
[g] Details of Sample Container (No. & Type of Container)		Plastic Bottle (02)			
[h] Sample Quantity		2 Litres			
[i] Sample Code		<b>SW-2105</b>			
[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		28.08.22			
[n] Analysis Start Date / Analysis Completion Date		29.08.22 / 01.09.22			
Sl. No.	Parameters	Unit	Method of Test	Result	
1.	pH	----	IS 3025 (Part-11)	6.94	
2.	Total Hardness as CaCO <sub>3</sub>	mg/l.	IS 3025 (Part-21)	126.0	
3.	Dissolved Oxygen	mg/l.	IS 3025 (Part-38)	6.5	
4.	B.O.D.(3 days at 27°C)	mg/l.	IS 3025 (Part-44)	1.5	
5.	C.O.D.	mg/l.	APHA 5220 B	13.0	
6.	Chloride as Cl	mg/l.	IS 3025 (Part-32)	15.0	
7.	Ammonical Nitrogen as N	mg/l.	IS 3025 (Part-34)	0.84	
8.	Total Kjeldahl Nitrogen as N	mg/l.	IS 3025 (Part-34)	1.1	
9.	Fluoride as F	mg/l.	APHA (4500 F D)	0.22	
10.	Total Phosphate as P	mg/l.	IS 3025 (Part-31)	0.28	

**SHIBESHWAR PRASAD**

Digitally signed by  
SHIBESHWAR PRASAD  
Date: 2022.09.08  
16:48:00 +05'30'

Verified by:  
Technical Manager



**Shreyasee Prasad**

Digitally signed by  
Shreyasee Prasad  
Date: 2022.09.08  
16:51:36 +05'30'



Authorized Signatory  
Quality Manager

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## TEST REPORT

Ref. No. STH/TR/22-23/2106	Dt: 08.09.2022	Your Work Order No. 8900	Dt: 16.01.2021
[a] Name and address of the Customer	Chief General Manager M/s Harinagar Sugar Mills (Distillery Division) P.O.: Harinagar W. CHAMPARAN – 845 103		
[b] Details of Sample	Surface water sample		
[c] Sample Collected by	SHIVA TEST HOUSE on 27.08.22		
[d] Sampling Location	Downstream of Ramrekha Rivulet		
[e] Method of Sampling	IS 3025, APHA		
[f] Sampling Environmental Condition	Temp. (°C)	28	Humidity (%) 65
[g] Details of Sample Container (No. & Type of Container)	Plastic Bottle (02)		
[h] Sample Quantity	2 Litres		
[i] Sample Code	SW-2106		
[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	28.08.22		
[n] Analysis Start Date / Analysis Completion Date	29.08.22 / 01.09.22		
Sl. No.	Parameters	Unit	Method of Test
1.	pH	---	IS 3025 (Part-11) 6.91
2.	Total Hardness as CaCO <sub>3</sub>	mg/l.	IS 3025 (Part-21) 128.0
3.	Dissolved Oxygen	mg/l.	IS 3025 (Part-38) 6.4
4.	B.O.D.(3 days at 27°C)	mg/l.	IS 3025 (Part-44) 1.9
5.	C.O.D.	mg/l.	APHA 5220 B 28.0
6.	Chloride as Cl	mg/l.	IS 3025 (Part-32) 14.0
7.	Ammonical Nitrogen as N	mg/l.	IS 3025 (Part-34) 1.1
8.	Total Kjeldahl Nitrogen as N	mg/l.	IS 3025 (Part-34) 1.7
9.	Fluoride as F	mg/l.	APHA (4500 F D) 0.25
10.	Total Phosphate as P	mg/l.	IS 3025 (Part-31) 0.27

SHIBESHWAR PRASAD  
Digitally signed by  
SHIBESHWAR PRASAD  
Date: 2022.09.08  
16:49:27 +05'30'

Verified by:  
Technical Manager



Shreyasee  
Prasad

Digitally signed by  
Shreyasee Prasad  
Date: 2022.09.08  
16:51:52 +05'30'  
Authorized Signatory  
Quality Manager

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