



Svaksha
DISTILLERY LIMITED

Regd. Office & Works :

Dakshin Simla, DAG No. 1288(P), JL-355, B.O. Changual,
P.S. Kharagpur (Local), Kharagpur Midnapore -721301(WB)

Ph No.: +91 81001-08318

E-mail: info@svaksha.co.in

Web: www.svaksha.co.in

CIN No. U74900WB2014PLC202126

Date: 23.11.2023

To

The Additional Director,
Ministry of Environment, Forest and Climate Change,
Integrated Regional Office,
Kolkata IB – 198, Sector-III, Salt Lake City,
Kolkata - 700106.
(Mail id: iro.kolkata-mefcc@gov.in)

Subject: Submission of Six-Monthly Compliance Report for period ending 30.09.2023 for Expansion of 200 KLPD Grain based Distillery Plant to 300 KLPD and 10 MW co-generation power plant located at Village Dakshin Simla, Police Station Kharagpur, Distt. West Medinipur, West Bengal by M/s Svaksha Distillery Limited.

Sir,

With reference to the EIA Notification & its amendments regarding submission of six-monthly compliance report, we are hereby submitting the six-monthly compliance report for period ending 30.09.2023 for the above said project in soft copy through e-mail for your perusal. Kindly, acknowledge the receipt of the same.

Thanking you
Sincerely,
For M/s Svaksha Distillery Limited

(Authorized Signatory)
Name: S.S. Tomar
Contact No.: 9815015700
Designation: Executive Director
E-mail: ed@svaksha.co.in



CC:

- **The Member Secretary,** West Bengal Pollution Control Board, Paribesh Bhawan, Kolkata

HEAD OFFICE :

Premises: BCL Industries Limited, Hazi Rattan Link Road, Bathinda-151005 PB

Ph No.: 0164-2240163

E: bcl@mittalgroup.co.in

2023

**SIX MONTHLY COMPLIANCE
REPORT
(Period ending 30.09.2023)**

For

**Expansion of 200 KLPD Grain based
Distillery Plant to 300 KLPD and 10
MW co-generation power plant**

Project By:

M/s Svaksha Distillery Limited

**Located at Village Dakshin Simla,
Police Station Kharagpur, West Medinipur, West
Bengal**

Prepared by:



Eco Paryavaran Laboratories and Consultants Private Limited

E-207, Industrial Area, Phase-VIII B (Sector-74), Mohali (SAS Nagar), Punjab
160071

Tele No.: 0172-4616225 **email:** compliance@ecoparyavaran.org

M: 098140-03103, 088720-43178

www.ecoparyavaran.org



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Ministry of Environment, Forest and Climate Change,
Integrated Regional Office, Kolkata

DATA SHEET

1.	Project Type	Expansion of Distillery Unit
2.	Name of the Project	Expansion of 200 KLPD Grain based Distillery Plant to 300 KLPD and 10 MW co-generation power plant by M/s Svaksha Distillery Limited
3.	Clearance letter (s) O.M. No. & Date	Environment Clearance granted by MoEF&CC vide EC Identification No. EC22A060WB159657 dated 14.11.2022; copy of the same is attached along as Annexure 1(a) .
4.	Location	Village Dakshin Simla, Police Station Kharagpur Local
a)	District(s)	West Medinipur
b)	State (s)	West Bengal
5.	Address for correspondence	M/s BCL Industries Ltd. (Formerly known as BCL Industries and Infrastructure Ltd.) Hazi Ratan Link Road, Bathinda (151001), Punjab
6.	Salient features	
a)	Of the Project	As per the Environmental Clearance letter, there is expansion of Grain Based Distillery from 200 KLPD to 300 KLPD by installing a new 100 KLPD Fuel Ethanol Plant. Total plot area is 11.26 hectares.
b)	Of the environment	As per the Environmental Clearance letter, the total water requirement after expansion will be 1,672 m ³ /day which will be met through ground water. Permission has been obtained from Water Resources Investigation and Development Department, West Bengal for ground water quantity of 1,750 m ³ /day. Total 598 m ³ /day of condensates including spent lees will be generated. Out of this, 340 m ³ /day will be directly used in the process of slurry preparation. Remaining condensates @ 258 m ³ /day will be treated in condensate polishing unit and reused for cooling tower makeup water. Effluent from misc. stream will be 84 m ³ /day which will be treated in ETP and treated water effluent will be reused/recycled for industrial process. The plant will be based on Zero Liquid Discharge System and no effluent/treated water will be discharged outside of the project premises.

		The total power requirement after the expansion will be 9,000 KVA and will be met from in-house co-generation power plant. Existing project has 2 DG sets of capacity 1,000 KVA as a source of power backup in case of power failure.
7.	Breakup of the Project Area	
	a) Submergence forest area and non-forest area	Not applicable
	b) Others	Not applicable
8.	Break up of project affected population with enumeration of those losing houses/ dwelling units only, agricultural land only both dwelling units and agricultural land and landless laborers/ land landless laborers/ artisans.	
	a) SC/ST/ Adivasis	Not applicable
	b) Others	Not applicable
9.	Financial details	
	a) Project cost as originally planned and subsequent revised estimates and the year of price reference.	Rs. 50 Crores as per EC Letter for proposed expansion.
	b) Allocations made for environmental management plan with item wise and year wise break up.	As per EC Letter, Rs. 6 Crores are earmarked towards capital cost and Rs. 1.5 Crores towards recurring cost per annum for implementation of environmental management plan.
	c) Benefit cost ratio/ Internal rate of return and year of assessment.	Will be calculated and submitted separately.
	d) Whether (c) includes the cost of environmental management as shown in (b) above.	Yes, the cost benefit ratio will be worked out considering the cost of environment management.
	e) Actual expenditure incurred on the project so far.	Rs. 46,05,56,747/- has been spent on the expansion of the project from 200 KLPD to 300 KLPD till 30.09.2023 for erection of proposed sheds.
	f) Actual expenditure incurred on the environmental management plans so far.	Approx. Rs. 1,21,41,900/- have been spent on Environmental Management Plan w.r.t expansion part of the project till 30.09.2023. However, adequate funds are being spent as recurring charges in existing industrial unit for environmental management plan.
10.	Forest lands requirement:	

a)	The status of approval for diversion of forest land for non-forestry use.	No forest area is involved.
b)	The status of clear felling.	Not applicable
c)	The status of CA, any	
d)	Comments on the viability & sustainability of CA program in the light of actual field experience so far.	Not applicable
11.	The status of clear felling in non-forest areas	Not applicable
12.	Status of construction	Project is 70% completed w.r.t Expansion.
a)	Date of commencement (actual and/ or planned).	Existing unit of capacity 200 KLPD is fully operational. Date of commencement w.r.t expansion of the industrial unit from 200 KLPD to 300 KLPD: January 2024 (Installation of machinery has been initiated w.r.t expansion)
b)	Date of completion (actual and/ or planned).	March 2024 Project photographs are enclosed as Annexure 2.
13.	Reasons for the delay if the project is yet to start:	Not applicable

Compliance Report on the conditions imposed on Environmental Clearance for the period ending 30.09.2023

A. Specific Conditions

S. No.	Conditions	Reply
1.	As per OM dated 16 th June, 2021, project falls in category B2 and the proposed capacity of 100 KLPD shall be only used for fuel ethanol manufacturing as per self-certification in form of an affidavit by the Project Proponent. Provided that subsequently if it is found that the ethanol, produced based on the EC granted as per this dispensation, is not being used completely for EBP Programme, or if ethanol is not being produced, or if the said distillery is not fulfilling the requirements based on which the project has been appraised as category B2 project, the EC shall stand cancelled.	Agreed. Expansion of the project for increase in production is grain based distillery from 200 KLPD to 300 KLPD is under process and installation of machinery has been initiated and production will be started in 3-4 months.
2.	The Company shall comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/ EMP in respect of environmental management, and risk mitigation measures relating to the project shall be implemented.	Agreed. All the environmental protection measures and safeguards proposed will be implemented in true letter and spirit.
3.	The project proponent will treat and reuse the treated water within the factory and no waste or treated water shall be discharged outside the premises.	Agreed. The treated water will be reused within project premises and no wastewater or treated water will be discharged outside of project premises.
4.	Total Fresh water requirement shall not exceed @ 4 KL/KL and will be met from ground water. Prior permission shall be obtained from the concerned regulatory authority/ CGWA in this regards, and renewed from time to time. No ground water recharge shall be permitted within the premises. Industry shall construct a rain water storage pond of 60 days capacity and the accumulated water to be used as fresh water thereby reducing fresh water consumption.	Agreed. Total Fresh water requirement will not exceed 4 KL/ KL of ethanol production. Permission has been obtained from Water Resources Investigation and Development Department, West Bengal for ground water quantity of 1,750 m ³ /day; copy of the same is enclosed as Annexure 3 .
5.	The spent wash shall be concentrated and dried to form DDGS to be used as cattle feed. Brick manufacturing unit will be installed within the plant premises for utilization of fly ash. PP shall	Agreed. In the existing industrial unit operational at production capacity of 200 KLPD, ESP is already installed which is

	<p>not utilize coal as fuel. PP shall install ESP for boilers proposed in 200 & 100 KLPD distilleries. PP shall meet 10% of the total power requirement from solar power. Treated effluent will be recycled/ reused for makeup water of cooling towers/ process etc. and no waste or treated water shall be discharged outside the premises. STP shall be installed to treat the sewage generated from factory premises.</p>	<p>sufficient for proposed expansion of 100 KLPD ethanol plant. Further, the agro based captive power plant is having boiler capacity of 75 MT per hr. and T.G capacity of 10 MW per hr. There is utilization of entire steam after power generation in the process. Power requirement of existing 200 KLPDA is approx. 5 MW and after expansion 100 KLPD Ethanol Plant will require 7.5 MW to 8 MW. Thus, surpluses power available will be 2 to 2.5 MW per hr. Since, there is no policy of the State Government regarding selling of the surplus power available to West Bengal State Electricity Board. Thus, the solar plant will be installed as and when required.</p> <p>We have been granted EC in 2017 for 200 KLPD but the plant achieved the granted production capacity in 2021 and latest technology was adopted in terms of water and energy conservation hence the power requirement for 200 KLPD was only 5 MW which might increase to 7.5 to 8 MW. Copy of EC letter is attached as Annexure 1(b).</p> <p>Further, STP work is 95% complete and will be operational by March' 2024.</p> <p>Photographs of ESP are attached along as Annexure 2.</p>
6.	CO ₂ generated from the process shall be bottled/ made solid ice and utilized/ sold to authorized vendors.	Agreed.
7.	PP shall allocate at least Rs. 50 Lakhs for Occupational Health Safety. Occupational Health Centre for surveillance of the worker's health shall be set up. The health data shall be used in	Agreed. Occupational Health Centre work is under process and finishing work going on, it will be completed by 15.11.2023.

	deploying the duties of the workers. All workers & employees shall be provided with required safety kits/ mask for personal protection.	
8.	Training shall be imparted to all employees on safety and health aspect of chemicals handling. Safety and visual reality training shall be provided to employees.	Agreed. Independent team of 4 people are looking after the safety and health related matter and providing training time to time to the employees.
9.	The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Firefighting system shall be as per the norms.	Agreed. Adequate fire-fighting system will be provided as per the norms.
10.	Process organic residue and spent carbon, if any, shall be sent to Cement and other suitable industries for its incinerations. ETP sludge, process inorganic & evaporation salt shall be disposed of to the TSDF.	Agreed. The same shall be complied. Agreement will be done with TSDF for disposal of ETP sludge, process inorganic & evaporation salt.
11.	The company shall undertake waste minimization measures as below (a) Metering and control of quantities of active ingredients to minimize waster; (b) Reuse of by-products from the process as raw materials or as raw material substitutes in other process. (c) Use of automated filling to minimize spillage. (d) Use of Close Feed system into batch reactors. (e) Venting equipment through vapour recovery system. (f) Use of high pressure hoses for equipment clearing to reduce wastewater generation.	Agreed. The same shall be complied.
12.	The green belt of at least 5-10 m width shall be developed in nearly 33% of the total project area, mainly along the plant periphery. Selection of plant species shall be as per the CPCB guidelines in consultation with the State Forest Department. Records of tree canopy shall be monitored through remote sensing map.	Expansion of the project is under construction/erection stage. Photographs of the green area developed within project premises is enclosed as Annexure 2 .
13.	The proposed budget of CER for not yet operational distillery 200 KLPD is Rs. 1.5 Crores in addition to the existing CER cost as mentioned in EC granted. For proposed distillery 100 KLPD CER will be Rs. 0.5 Crores. CER shall be utilized primarily for installation of solar light in adjoining villages, whereas CER budget mentioned in exiting EC shall be utilized in activities as committed before.	Agreed. For the existing operational industrial unit of 200 KLPD capacity, Rs. 1.34 Crores, have already been spent towards CER. Further, Rs. 1 Crore has been allocated for additional CER activities to be undertaken in the Village Dakshin Simpla. Out of which, Rs. 25 lakhs have already

		<p>been disbursed in the name of Local District Authority.</p> <p>For expansion, Rs. 0.5 Crores will be utilized for CER as per EC granted. Out of which, Rs. 10 lakhs have been paid to Bengal Badminton Academy and Rs. 50,000 paid to Mazida Khatun for Higher study at Malaysia. Copy of the same is enclosed as Annexure 9.</p>
14.	<p>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. 15% of the total plant area (distillery 300 KLPD) will be reserved for parking.</p>	<p>Agreed. Adequate parking space has been provided in the existing industrial unit as well as for the proposed expansion also.</p>
15.	<p>Storage of raw materials shall be either in silos or in covered areas to prevent dust pollution and other fugitive emissions. All stockpiles should be constructed over impervious soil and garland drains with catch pits to trap runoff material shall be provided. Biomass shall be stored in covered sheds and wind bearing walls/ curtains shall be provided around biomass storage area to prevent its suspension during night wind speed. All internal roads shall be paved. Industrial vacuum cleaner shall be provided to sweep the internal roads. The Air Pollution Control System shall be interlocked with process plant/ machinery for shutdown in case of operational failure of Air Pollution Control Equipment.</p>	<p>Agreed. 2 Nos. of silo have been provided in the existing unit and 1 No. new silo is under installation for proposed 100 KLPD.</p> <p>There is adequate shed for storage of biomass. Also, wind bearing wall has been constructed around biomass storage area to prevent its suspension. All the internal roads of the project are already paved.</p>
16.	<p>Continuous online (24 × 7) monitoring system for stack emissions. Effluent shall be installed for measurement of flue gas discharge and the pollutants concentration, and the data to be transmitted to the CPCB and SPCB server. 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.</p>	<p>Agreed. In the existing unit, online monitoring system for stack emissions of SO_x, NO_x & SPM has already been installed. Further, OCMS is being connected with CPCB server through Forbes Marshal Server. Test reports are attached as Annexure 6.</p>
17.	<p>A separate Environmental Management Cell (having qualified person with Environmental Science/ Environmental Engineering/</p>	<p>Agreed. For existing plant, separate environmental management cell has been</p>

	specialization in the project area) equipped with full-fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.	constituted to monitor all the functions. Also, full-fledged lab facilities have been provided for analyses.
18.	PP shall sensitize and create awareness among the people working within the project area as well as its surrounding area on the ban of Single Use Plastic in order to ensure the compliance of Notification published by MOEFCC on 12 th August, 2021. A report along with photographs on the measures taken shall also be included in the six-monthly compliance report being submitted to concerned authority.	Agreed. Environment Management Cell (EMC) spread awareness within the unit as well as in the nearby villages regarding BAN on the single use plastic.

B. General Conditions:

S. No.	Conditions	Reply
1.	No further expansion or modifications in the plant, other than mentioned in the EIA Notification, 2006 and its amendments, shall be carried out without prior approval of the Ministry of Environment, Forest and climate Change/ SEIAA, as applicable. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry/ SEIAA, as applicable, to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.	Agreed. No further expansion or modification will be done in the unit without prior approval of the Ministry of Environment, Forest and Climate Change. Screenshot of the e-mail showing submission of previous compliance report for period ending 31.03.2023 is enclosed as Annexure 8 .
2.	The energy source for lighting purpose shall be preferably LED based, or advanced having preference in energy conservation and environment betterment.	Agreed and same shall be complied. In the existing industrial unit of 200 KLPD Distillery also 100% LED light is used for energy conservation. Solar plant will be installed as and when required
3.	The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under Environment (Protection) Act, 1986 Rules,	Agreed. The noise levels around the plant area are within the prescribed limit, as noise control measures are being provided such as acoustic hoods, silencers etc. on all noise generating sources.

	1989 viz. 75 dBA (day time) and 70 dBA (night time).	
4.	The company shall undertake all relevant measures for improving the socio-economic conditions of the surrounding area. CSR activities shall be undertaken by involving local villages and administration and shall be implemented. The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.	Agreed. The same shall be complied. Further, in the existing 200 KLPD Distillery unit also, Sari, Footwear and Gamchha are distributed to people of Dakshin Simla under CSR activities. Rs. 10 lakhs have been paid to Bengal Badminton Academy and Rs. 50,000 paid to Mazida Khatun for Higher study at Malaysia. Copy of the same is enclosed as Annexure 9 .
5.	The company shall earmark sufficient funds towards capital cost and recurring cost per annum to implement the conditions stipulated by the Ministry of Environment, Forests and climate Change as well as the State Government along with the implementation schedule for the conditions stipulated herein. The funds so earmarked for environment management/pollution control measures shall not be diverted for any other purpose.	Agreed. In the existing unit also adequate pollution control equipments has been provided i.e. ESP, Dryer, ETP, CPU, MEE. Also, adequate funds have been allocated for Environment Management Plan towards capital cost and recurring cost per year to implement the condition stipulated by the MoEF&CC for further expansion of the unit to 100 KLPD.
6.	A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, Zila Parisad/ Municipal Corporation, Urban local Body and the local NGO, if any, from whom suggestions, representations, if any, were received while processing the proposal.	Agreed.
7.	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated Environmental Clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF&CC, the respective Zonal Office of CPCB and SPCB. A copy of Environmental clearance and six monthly compliance status report shall be posted on the website of the company.	Agreed. Six monthly monitoring report is being submitted to RO, MoEF&CC, Kolkata, Zonal Office and Regional Office of West Bengal Pollution Control Board through e-mail. Screenshot of the e-mail showing submission of previous compliance report for period

		ending 31.03.2023 is enclosed as Annexure 8.
8.	The environmental statement for each financial year ending 31 st March in Form - V as is mandated shall be submitted to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the respective Regional Offices of MoEF&CC by e-mail.	Agreed. Environment Statement in Form-V for 100 KLPD has been submitted to West Bengal Pollution Control Board for the Financial Year 2022-23. Acknowledgement of submission of Form V (F.Y.2022-23) is enclosed as Annexure 7.
9.	The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the accord environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB / Committee and may also be seen at Website of the Ministry and at https://parivesh.nic.in/ . This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the concerned Regional Office of the Ministry.	Agreed & accepted. Advertisement has been published in the newspaper regarding grant of Environmental Clearance in Local Newspaper Morning India and Sangbad Pratidin dated 18.11.2022. Copy of the advertisement is enclosed as Annexure 4.
10.	The project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.	Agreed. For expansion, Consent to Establish has been obtained from WBPCB; copy of the same is enclosed as Annexure 5.
11.	This Environmental clearance is granted subject to final outcome of the Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, if any, as may be applicable to this project.	Noted.

ENVIRONMENTAL
CLEARANCE

Government of India
Ministry of Environment, Forest and Climate Change
(Impact Assessment Division)

To,

The Managing Director
SVAKSHA DISTILLERY LIMITED
DLF Galleria, Unit No. 307, 3rd Floor, Action Area, 1B, New Town,
Kolkata,,Kolkata,West Bengal-700156

Subject: Grant of Environmental Clearance (EC) to the proposed Project Activity under the provision of EIA Notification 2006-regarding

Sir/Madam,

This is in reference to your application for Environmental Clearance (EC) in respect of project submitted to the Ministry vide proposal number IA/WB/IND2/58535/2015 dated 18 Nov 2021. The particulars of the environmental clearance granted to the project are as below.

- | | |
|--|--|
| 1. EC Identification No. | EC22A060WB159657 |
| 2. File No. | J-11011/259/2015 – IA II (I) |
| 3. Project Type | Expansion |
| 4. Category | A |
| 5. Project/Activity including Schedule No. | 5g(a)-Grain Based distilleries for Ethanol Blended Petrol |
| 6. Name of Project | 200 KLPD grain based distillery plant and 10 MW co-generation power plant to be located at village Dakshin Simla, Police Station Kharagpur, District – West Medinipur, West Bengal |
| 7. Name of Company/Organization | SVAKSHA DISTILLERY LIMITED |
| 8. Location of Project | West Bengal |
| 9. TOR Date | 27 Jan 2016 |

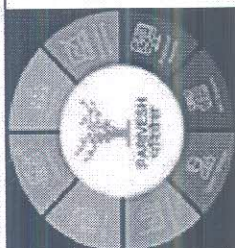
The project details along with terms and conditions are appended herewith from page no 2 onwards.

Date: 14/11/2022

(e-signed)
A N Singh
Scientist E
IA - (Industrial Projects - 2 sector)

Note: A valid environmental clearance shall be one that has EC identification number & E-Sign generated from PARIVESH. Please quote identification number in all future correspondence.

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This has reference to your online proposal no. IA/WB/IND2/58535/2015, dated 18th November, 2021 for environmental clearance to the above mentioned project.

2. The Ministry of Environment, Forest and Climate Change has examined the Expansion of grain based Distillery from 200 KLPD to 300 KLPD by installing a new 100 KLPD Fuel Ethanol Plant by M/s. Svaksha Distillery Limited located at Mouza - Dakshin Simla, JL No : 355, Police Station - Kharagpur, District - Paschim Medinipur, West Bengal.

3. As per the MoEF&CC Notification S.O. 2339(E), dated 16th June, 2021, a special provision in the EIA Notification, 2006-(Schedule 5 (ga), Category B2) is made, wherein for all applications made for Grain based distilleries with Zero Liquid Discharge producing ethanol; solely to be used for Ethanol Blended Petrol Programme of the Government of India shall be considered under B2 Category and appraised at Central Level by Expert Appraisal Committee (EAC) with condition that the project proponent shall file a notarized affidavit that ethanol produced from proposed project shall be used completely for EBP Programme.

4. Standard ToR and public Hearing conduction is not applicable as the project falls under category B2 as per OM dated 16th June, 2021. It was informed that no litigation is pending against the project.

5. Ministry has issued the Environmental Clearance earlier vide letter F. No. J-11011/259/2015-IA II (I) dated 22nd February, 2017 to the existing project of 200 KLPD grain based distillery and 10 MW of cogeneration of power in favour of M/s. Svaksha Distillery Ltd. PP has submitted IRO report dated 16.09.2022 against Action Taken Report (ATR) submitted by PP vide dated 16th September, 2022.

6. The details of products and capacity are as under: -

S. No.	Item	Unit	Existing Capacity	Proposed Additional Capacity	Total
1.	ENA/RS/ Impure spirit/ Country spirit/ Denatured spirit/ Fuel Ethanol (Absolute ethanol)	KL	200	100 (Fuel Ethanol Only)	300
2.	By-products				
	CO2	MT	140	70	210
	Fusel Oil	MT	2	1	3
	DDGS	MT	106	53	159

7. The promoters of the project are already having 11.26 hectares of land at Mouza - Dakshin Simla, JL No: 355, Police Station - Kharagpur, District - Paschim Medinipur (West Bengal). Out of the total land area of 11.26 hectares, the promoters have dedicated 7.72 hectares for the existing and proposed distillery plant and balance 3.54 hectares will be used for other industrial purposes. Industry has already developed green belt in an area of 2.55 hectares which is

more than 33 % of total land area. The estimated project cost is Rs. 50 crores for the proposed project. Total capital cost earmarked towards environmental pollution control measures is Rs. 6.00 crores and recurring cost (operation and maintenance) will be about Rs. 1.50 crores. Total employment generation will be 100 persons as direct and indirect employment due to the proposed expansion. Industry proposes to allocate Rs. 50.00 Lakhs towards corporate environment responsibility.

8. There are no national parks, wildlife sanctuaries, biosphere reserves, Tiger/Elephant reserves, Wildlife corridors etc. within 10 km distance from the project site.

9. Total water requirements after the proposed expansion will be 1672 m³/day. All the fresh water requirements for the existing as well as proposed project will be met from ground water. The industry has already got the permission from Water Resources Investigation and Development Department, West Bengal for the extraction of ground water @ 1750 m³/day. The industry will generate a total of 598 m³/day of condensates including spent lees from the proposed expansion. Out of this, 340 m³/day will be directly used in the process for slurry preparation. Remaining condensates @ 258 m³/day will be treated in condensate polishing unit and reused for cooling tower makeup water. Effluent from misc. streams will be 84 m³/day which will be treated in ETP and treated effluent will be reused/recycled for industrial process. The plant will be based on Zero Liquid discharge system and no effluent/treated water will be discharged outside factory premises.

10.

11. Total power requirements after the proposed expansion will be around 9000 KVA and will be met from inhouse cogeneration power plant. Existing unit has 2x1000 KVA D G sets to be used as standby during power failure. Stack height to the D G sets has been provided as per norms. Existing unit has 1 x 75 TPH biomass/coal fired boiler. No additional boiler will be installed during the proposed expansion.

12. Details of process emissions generation and its management:

The industry will install dryers for the handling of DWGS for controlling process odors from the factory.

13. As per OM dated 16th June, 2021, PP has submitted self-certification in the form of affidavit declaring that the proposed capacity of 100 KLPD will be for manufacturing of fuel ethanol only.

14. During deliberation it was informed to EAC that PP has not submitted CCR. In this regard PP has informed that plant will be commissioned in January 2022. Therefore CCR has not been obtained. Also, PP informed that 200 KLPD capacity has not been achieved yet. EAC noted the information and recommended the proposal for grant of EC.

15. During deliberations EAC sought the following information/commitments from PP:

- PP shall utilize fresh water @4.0 KL/KL of ethanol production.
- Entire project shall be ZLD and no single drop of water shall be discharged outside of plant premises.
- PP shall not utilize coal as fuel.
- 15% of the total plant area (distillery 300 KLPD) will be reserved for parking.
- PP shall meet 10% of the total power requirement from solar power.
- PP shall install ESP for boilers proposed in 200 & 100 KLPD distillery.
- Brick manufacturing unit will be installed within the plant premises for utilization of fly ash.
- PP shall allocate at least Rs. 50 Lakhs for Occupational Health Safety.
- Company to construct a storage pond of 60 days capacity and the accumulated water to be used as fresh water thereby reducing fresh water consumption.
- The proposed budget of CER for not yet operational distillery 200 KLPD is Rs. 1.5 crore in addition to the existing CER as mentioned in EC granted. For proposed distillery 100 KLPD, CER will be Rs. 0.5 crores. CER shall be utilized primarily for installation of solar light in adjoining villages. Whereas CER budget mentioned in exiting EC shall be utilized in activities as committed before.

PP has submitted information/commitment as sought above.

16. The proposal was considered by the EAC in its 45th meeting held on 29-30th November, 2021 in the Ministry, wherein the project proponent and their consultant M/s. Enviro Infra Solutions Pvt. Ltd., presented the case. The Committee **recommended** the project for grant of environmental clearance.

17. The EAC, constituted under the provision of the EIA Notification, 2006 and comprising of Experts Members/domain experts in various fields, have examined the proposal submitted by the Project Proponent in desired form along with the EMP report prepared and submitted by the Consultant accredited by the QCI/NABET on behalf of the Project Proponent. The EAC noted that the Project Proponent has given undertaking that the data and information given in the application and enclosures are true to the best of his knowledge and belief and no information has been suppressed in the report. If any part of data/information submitted is found to be false/ misleading at any stage, the project will be rejected and Environmental Clearance given, if any, will be revoked at the risk and cost of the project proponent.

18. The Committee noted that the EMP report is in compliance of the PFR. The Committee deliberated on the CER plan and found to be addressing the issues in the study area. The EAC has deliberated the proposal and has made due diligence in the process as notified under the provisions of the EIA Notification, 2006, as amended from time to time and accordingly made the recommendations to the proposal. The Experts Members of the EAC have found the proposal in order and have **recommended** for grant of environmental clearance.

19. The environmental clearance granted to the project/activity is strictly under

the provisions of the EIA Notification 2006 and its amendments. It does not tantamount/construe to approvals/consent/ permissions etc. required to be obtained or standards/conditions to be followed under any other Acts/ Rules/ Subordinate legislations, etc., as may be applicable to the project. The project proponent shall obtain necessary permission as mandated under the Water (Prevention and Control of Pollution) Act, 1974 and the Air (Prevention and Control of Pollution) Act, 1981, as applicable from time to time, from the State Pollution Control Board, prior to construction & operation of the project.

20. Based on the proposal submitted by the project proponent and recommendations of the EAC (Industry-2), Ministry of Environment, Forest and Climate Change hereby accords environmental clearance to the project for expansion of grain based Distillery from 200 KLPD to 300 KLPD by installing a new 100 KLPD Fuel Ethanol Plant by M/s. Svaksha Distillery Limited located at Mouza - Dakshin Simla, JL No : 355, Police Station - Kharagpur, District - Paschim Medinipur, West Bengal, under the provisions of the EIA Notification, 2006, and the amendments therein, subject to compliance of the terms and conditions as under:-

A. Specific Condition:

- (i). As per OM dated 16th June, 2021, project falls in category B2 and the proposed capacity of 100 KLPD shall be only be used for fuel ethanol manufacturing as per self-certification in form of an affidavit by the Project Proponent. Provided that subsequently if it is found that the ethanol, produced based on the EC granted as per this dispensation, is not being used completely for EBP Programme, or if ethanol is not being produced, or if the said distillery is not fulfilling the requirements based on which the project has been appraised as category B2 project, the EC shall stand cancelled.
- (ii). The company shall comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, and risk mitigation measures relating to the project shall be implemented.
- (iii). The project proponent will treat and reuse the treated water within the factory and no waste or treated water shall be discharged outside the premises.
- (iv). Total Fresh water requirement shall not exceed @4.0 KL/KL and will be met from ground water. Prior permission shall be obtained from the concerned regulatory authority/CGWA in this regard, and renewed from time to time. No ground water recharge shall be permitted within the premises. Industry shall construct a rain water storage pond of 60 days capacity and the accumulated water to be used as fresh water thereby reducing fresh water consumption.

- (v). The spent wash shall be concentrated and dried to form DDGS to be used as cattle feed. Brick manufacturing unit will be installed within the plant premises for utilization of fly ash. PP shall not utilize coal as fuel. PP shall install ESP for boilers proposed in 200 & 100 KLPD distilleries. PP shall meet 10% of the total power requirement from solar power. Treated effluent will be recycled/reused for make up water of cooling towers/process etc. and no waste or treated water shall be discharged outside the premises. STP shall be installed to treat the sewage generated from factory premises.
- (vi). CO₂ generated from the process shall be bottled/made solid ice and utilized/sold to authorized vendors.
- (vii). PP shall allocate at least Rs. 50 Lakhs for Occupational Health Safety. Occupational Health Centre for surveillance of the worker's health shall be set up. The health data shall be used in deploying the duties of the workers. All workers & employees shall be provided with required safety kits/mask for personal protection.
- (viii). Training shall be imparted to all employees on safety and health aspects of chemicals handling. Safety and visual reality training shall be provided to employees.
- (ix). The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Firefighting system shall be as per the norms.
- (x). Process organic residue and spent carbon, if any, shall be sent to Cement and other suitable industries for its incinerations. ETP sludge, process inorganic & evaporation salt shall be disposed of to the TSDF.
- (xi). The company shall undertake waste minimization measures as below (a) Metering and control of quantities of active ingredients to minimize waste; (b) Reuse of by-products from the process as raw materials or as raw material substitutes in other processes. (c) Use of automated filling to minimize spillage. (d) Use of Close Feed system into batch reactors. (e) Venting equipment through vapour recovery system. (f) Use of high pressure hoses for equipment clearing to reduce wastewater generation.
- (xii). The green belt of at least 5-10 m width shall be developed in nearly 33% of the total project area, mainly along the plant periphery. Selection of plant species shall be as per the CPCB guidelines in consultation with the State Forest Department. Records of tree canopy shall be monitored through remote sensing map.
- (xiii). The proposed budget of CER for not yet operational distillery 200 KLPD is Rs. 1.5 crore in addition to the existing CER cost as mentioned in EC granted. For proposed distillery 100 KLPD CER will be Rs. 0.5 crores. CER shall be utilized primarily for installation of solar light in adjoining villages, whereas CER budget mentioned in exiting EC shall be utilized in activities as committed before.

- (xiv). 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. 15% of the total plant area (distillery 300 KLPD) will be reserved for parking.
- (xv). Storage of raw materials shall be either in silos or in covered areas to prevent dust pollution and other fugitive emissions. All stockpiles should be constructed over impervious soil and garland drains with catch pits to trap runoff material shall be provided. Biomass shall be stored in covered sheds and wind breaking walls/curtains shall be provided around biomass storage area to prevent its suspension during high wind speed. All Internal roads shall be paved. Industrial vacuum cleaner shall be provided to sweep the internal roads. The Air Pollution Control System shall be interlocked with process plant/machinery for shutdown in case of operational failure of Air Pollution Control Equipment.
- (xvi). Continuous online (24x7) monitoring system for stack emissions/effluent shall be installed for measurement of flue gas discharge and the pollutants concentration, and the data to be transmitted to the CPCB and SPCB server. 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.
- (xvii). A separate Environmental Management Cell (having qualified person with Environmental Science/Environmental Engineering/specialization in the project area) equipped with full-fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.
- (xviii). PP shall sensitize and create awareness among the people working within the project area as well as its surrounding area on the ban of Single Use Plastic in order to ensure the compliance of Notification published by MOEFCC on 12th August, 2021. A report along with photographs on the measures taken shall also be included in the six-monthly compliance report being submitted to concerned authority.

B. General Condition:

- (i) No further expansion or modifications in the plant, other than mentioned in the EIA Notification, 2006 and its amendments, shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change/SEIAA, as applicable. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry/SEIAA, as applicable, to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.

- (ii) The energy source for lighting purpose shall be preferably LED based, or advanced having preference in energy conservation and environment betterment.
- (iii) The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under the Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).
- (iv) The company shall undertake all relevant measures for improving the socio-economic conditions of the surrounding area. CER activities shall be undertaken by involving local villages and administration and shall be implemented. The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.
- (v) The company shall earmark sufficient funds towards capital cost and recurring cost per annum to implement the conditions stipulated by the Ministry of Environment, Forest and Climate Change as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so earmarked for environment management/ pollution control measures shall not be diverted for any other purpose.
- (vi) A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, Zilla Parishad/Municipal Corporation, Urban local Body and the local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal.
- (vii) The project proponent shall also submit six monthly reports on the status of compliance of the stipulated Environmental Clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF&CC, the respective Zonal Office of CPCB and SPCB. A copy of Environmental Clearance and six monthly compliance status report shall be posted on the website of the company.
- (viii) The environmental statement for each financial year ending 31st March in Form-V as is mandated shall be submitted to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the respective Regional Offices of MoEF&CC by e-mail.
- (ix) The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB/Committee and may also be seen at Website of the Ministry and at <https://parivesh.nic.in/>. This shall be advertised within seven days from the date of issue of the clearance letter,

at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the concerned Regional Office of the Ministry.

- (x) The project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.
- (xi) This Environmental clearance is granted subject to final outcome of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, if any, as may be applicable to this project.

21. The Ministry reserves the right to stipulate additional conditions, if found necessary at subsequent stages and the project proponent shall implement all the said conditions in a time bound manner. The Ministry may revoke or suspend the environmental clearance, if implementation of any of the above conditions is not found satisfactory.

22. Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.

23. Any appeal against this environmental clearance 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.

24. The above conditions will 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, the Hazardous Waste (Management, Handling and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 read with subsequent amendments therein.

25. This issues with the approval of the competent authority.

(A. N. Singh)
Scientist-'E'

Copy to: -

1. The Principal Secretary, Department of Environment & Forest, 5th Floor, Pranisampad Bhawan, Block LB-II, Salt Lake, Sector III, Bidhannagar, Kolkata - 700 106
2. The Regional Officer, Ministry of Env., Forest and Climate Change, Integrated Regional Office, Kolkata IB - 198, Sector-III, Salt Lake City, Kolkata - 700106
3. The Member Secretary, Central Pollution Control Board, Parivesh Bhawan, East Arjun Nagar, Delhi - 32
4. The Member Secretary, West Bengal Pollution Control Board, Paribesh

F. No. J-11011/259/2015-IA.II (I)
Government of India
Ministry of Environment, Forest and Climate Change
(I.A. Division)

Indira Paryavaran Bhawan
Aliganj, Jorbagh Road
New Delhi - 110 003

E-mail: yogendra78@nic.in
Telefax: 011-24695365

Dated: 22nd February, 2017

To,
The Managing Director
M/s Svaksha Distillery Ltd.
Dakshin Simla, Kharagpur,
West Medinipur
West Bengal

Sub: Setting up of grain based distillery unit (200 KLPD) at Village Dakshin Simla, Police Station Kharagpur, Tehsil Kharagpur-I, District West Medinipur, West Bengal by M/s Svaksha Distillery Ltd. - Environmental Clearance - reg.

Ref.: Your online proposal no. IA/WB/IND2/31343/2015 dated 30th August, 2016.

Sir,
This has reference to your online proposal no. IA/WB/IND2/31343/2015 dated 30th August, 2016 along with project documents including Form I, Terms of References, Pre-feasibility Report, EIA/EMP Report along with Public Hearing Report regarding above mentioned project.

2.0 The Ministry of Environment, Forests and Climate Change has examined the application. It is noted that proposal is for Setting up of grain based distillery unit (200 KLPD) at Village Dakshin Simla, Police Station Kharagpur, Tehsil Kharagpur-I, District West Medinipur, West Bengal by M/s Svaksha Distillery Ltd. Plot area for distillery plant is 8.40 ha, of which, area earmarked for greenbelt is 2.80 ha. Total cost of project is ₹ 197.50 Crores. Total capital cost and recurring cost per annum earmarked for EMP will be ₹ 17.80 crore and ₹ 3.45 crore respectively. It is reported that there is no National Parks/Wild Life Sanctuaries/Biosphere Reserves/RF within 10 km radius area of project site. Following product will be manufactured:

S.No.	Units / Product/By Product Phase	Proposed Quantity
1	Distillery plant (Rectified Spirit / ENA / Ethanol)	200 KLPD
2	Cogeneration Power Plant (Electricity)	10 MW
3	Bottling of country/ IMFL Liquor	16000 cases/day
By Products		
1	DDGS (Dried Distillers Grains with Soluble)	100 MTPD
2	Fusel Oil	2 MTPD



3	CO2	150 TPD
4	Corn oil	10 MTPD

3.0 Total power requirement will be 6 MW which will be sourced from own co-gen unit. Proposed unit will use 2 X 35 TPH Rice husk/ coal fired boiler but committee suggested to use Briquette in place of Rice husk/ coal. PP agrees with the suggestion. Two DG sets of 500 KVA capacity will be used as a standby. ESP along with adequate stack height will be provided to biomass fired boiler to control particulate emission. Fresh water requirement from ground water will be 1760 m³/day. Spent wash generation will be 945 m³/day. Spent wash will be treated through decanter and concentrated in MEE to form DWGS. DWGS will be sent to dryer to form DDGS. Other wastewater will be treated in ETP. Used oil and spent oil will be sold to authorized recyclers. Fly ash generated from the project will be used in own brick manufacturers unit.

4.0 Public Hearing / Public Consultation meeting was conducted on 8th July, 2016.

5.0 All Grain based distillery (>60 KLPD) are listed at SN 5(g) (ii) under category 'A' and appraised at central level.

6.0 The proposal was considered by the Expert Appraisal Committee (Industry) in its 14th EAC meeting held during 26th-27th October, 2016. Project Proponent and the EIA Consultant namely M/s Ace Engineers and Consultants have presented EIA/EMP report as per the TOR. EAC has found the EIA/EMP Report and additional information to be satisfactory and in full consonance with the presented TORs. The Committee recommended the proposal for environmental clearance.

7.0 Based on the information submitted by the project proponent, the Ministry of Environment and Forests hereby accords environmental clearance to above project under the provisions of EIA Notification dated 14th September 2006, subject to the compliance of the following Specific and General Conditions:

A. SPECIFIC CONDITIONS:

- i) ESP along with stack of adequate height shall be provided to Briquette fired boiler to control particulate emission within 50mg/Nm³.
- ii) Total fresh water requirement of 1760 m³/day will be met from ground water and prior permission shall be obtained from the CGWA/SGWA.
- iii) Spent wash generation from grain based distillery shall not exceed 6 KI/KI of alcohol. Spent wash shall be treated through decanter and concentrated in multi-effect evaporator (MEE) to form DWGS. DWGS will be sent to dryer to form DOGS. The condensate, spentlees and utilities effluent shall be treated in the ETP comprising tertiary treatment. Treated effluent will be used for make up water of cooling towers and water quality of treated effluent shall meet the norms prescribed by CPCB/SPCB and recycle/reuse.
- iv) Spent wash shall be stored in SS tank. The storage of spent wash shall not exceed 5 days capacity.
- v) No effluent from distillery shall be discharged outside the plant premises and Zero discharge shall be adopted. Water consumption shall be reduced by adopting 3 R's (reduce, reuse and recycle) concept in the process.
- vi) Process effluent/any wastewater shall not be allowed to mix with storm water. Storm water drain shall be passed through guard pond.

- vii) Adequate numbers of ground water quality monitoring stations by providing piezometers around the project area shall be set up. Sampling and trend analysis monitoring must be made on monthly a basis and report submitted to SPCB and this Ministry. The ground water quality monitoring for pH, BOD, COD, Chloride, Sulphate and total dissolved solids shall be monitored. Sampling and trend analysis monitoring must be made on monthly basis and report submitted to the Ministry's Regional Office at Bhubaneswar and SPCB.
- viii) Boiler ash 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 alongwith the storm water. Direct exposure of workers to fly ash & dust shall be avoided. Captive Power Plant will also confirm the prescribed standards.
- ix) Fire fighting system shall be as per the norms and cover all areas where alcohol is produced, handled and stored. Provision of foam system for fire fighting shall be made to control fire from the alcohol storage tank. DMP shall be implemented.
- x) Occupational health surveillance programme shall be undertaken as regular exercise for all the employees. The first aid facilities in the occupational health centre shall be strengthened and the regular medical test records of each employee shall be maintained separately.
- xi) Dedicated parking facility for loading and unloading of materials shall be provided in the factory premises. Unit shall develop and implement good traffic management system for their incoming and outgoing vehicles to avoid congestion on the public road.
- xii) As proposed, green belt over 2.80 ha of the total project area shall be developed within plant premises with at least 10 meter wide green belt on all sides along the periphery of the project area, in downward direction, and along road sides etc. Selection of plant species shall be as per the CPCB guidelines in consultation with the DFO.
- xiii) All the commitments made during the Public Hearing/Public Consultation meeting held on 8th July, 2016 shall be satisfactorily implemented and adequate budget provision shall be made accordingly.
- xiv) At least 2.5 % of the total cost of the project shall be earmarked towards the Enterprise Social Commitment (ESC) based on local needs particularly village named Dakshin Simla and action plan with financial and physical breakup/details shall be prepared and submitted to the Ministry's Regional Office at Bhubaneswar. Implementation of such program shall be ensured accordingly in a time bound manner.

B. GENERAL CONDITIONS:

- i. The project authorities must strictly adhere to the stipulations made by the state Pollution Control Board (SPCB), State Government and any other statutory authority.
- ii. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.
- iii. The locations of ambient air quality monitoring stations shall be decided in consultation with the State Pollution Control Board (SPCB) and it shall be ensured that at least one stations is installed in the upwind and downwind



direction as well as where maximum ground level concentrations are anticipated.

- iv. The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th November, 2009 shall be followed.
- v. The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).
- vi. The Company shall harvest rainwater from the roof tops of the buildings and storm water drains to recharge the ground water and use the same water for the process activities of the project to conserve fresh water.
- vii. 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 to all employees on handling of chemicals shall be imparted.
- viii. The company shall also comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, risk mitigation measures and public hearing relating to the project shall be implemented.
- ix. The company shall undertake all relevant measures for improving the socio-economic conditions of the surrounding area. CSR activities shall be undertaken by involving local villages and administration.
- x. The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.
- xi. A separate Environmental Management Cell equipped with full fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.
- xii. The company shall earmark sufficient funds towards capital cost and recurring cost per annum to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so earmarked for environment management/pollution control measures shall not be diverted for any other purpose.
- xiii. A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, ZilaParisad/Municipal Corporation, Urban local Body and the local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal.
- xiv. The project proponent shall also submit six monthly reports on the status of compliance of the stipulated Environmental Clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and SPCB. A copy of Environmental Clearance and six monthly compliance status report shall be posted on the website of the company.
- xv. The environmental statement for each financial year ending 31st March in Form-V as is mandated shall be submitted to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company

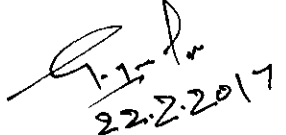
along with the status of compliance of environmental clearance conditions and shall also be sent to the respective Regional Offices of MoEF by e-mail.

- xvi. The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB/Committee and may also be seen at Website of the Ministry at <http://moef.nic.in>. This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the concerned Regional Office of the Ministry.
- xvii. The project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.

8.0 The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.

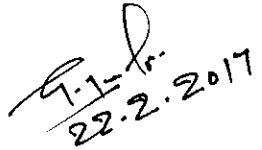
9.0 The Ministry reserves the right to stipulate additional conditions, if found necessary. The company in a time bound manner will implement these conditions.

10.0 The above conditions will be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Water Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous Waste (Management, Handling and Trans-boundary Movement) Rules, 2008 and the Public Liability Insurance Act, 1991 along with their amendments and rules.


22.2.2017
(Yogendra Pal Singh)
Scientist 'D'

Copy to:-

1. The Secretary, Department of Environment, Govt. of West Bengal, Kolkata, West Bengal.
2. The Chairman, Central Pollution Control Board, Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, Delhi-110032.
3. The Member Secretary, West Bengal Pollution Control Board, Parivesh Bhawan, 10A Block-LA Sector-III, Salt Lake, Kolkata - 700091, West Bengal.
4. The Chief Conservator of Forests, Regional Office (EZ), Ministry of Environment and Forests, A-3, Chandrashekharapur, Bhubaneswar - 751 023, Orissa.
5. Monitoring Cell, Ministry of Environment and Forests, Indira Paryavaran Bhavan, Aliganj, Jor Bagh Road, New Delhi - 110 003.
6. Guard File/Monitoring File/Record File.


22.2.2017
(Yogendra Pal Singh)
Scientist 'D'

Project photographs





ESP



Green Area





Government of West Bengal
Water Resources Investigation & Development Department
Office of the Geologist
Geological Sub Division No. - I/A, S.W.I.D.,
Administrative Building (Ground Floor),
Daak Bungalow Road, Sarat Pally, Midnapore – 721 101,
Paschim Medinipur
Email: geolswidpsmidnapore@gmail.com

Memo No. 274

Dated, Midnapore, the 23.09.2021

To,
 Mr. Anupam Pal
 The General Manager (Power Plant),
 Svaksha Distillery Limited
 PO- Changual, Block – Kharagpur-II
 Paschim Medinipur, PIN – 721301

Sub.:- No objection of groundwater withdrawal due to expansion of plant**Ref. :- Your Letter No. SDL/DM/SWID/2021-03 Dated 16-09-2021 & SDL/DM/SWID/2021-04 Dated 20-09-2021**

In reference to your Letter No. SDL/DM/SWID/2021-03 Dated 16-09-2021 & SDL/DM/SWID/2021-04 Dated 20-09-2021 it is justified that due to the improvisation of process technique & plant expansion your groundwater requirement remain the same as earlier obtained from 6 nos. permits. The necessary permission for groundwater extraction has been already granted to your industry for “Distillery” purpose as mentioned in SWID permits. Since the water requirement does not exceed the permissible limit & as long as the purpose remains same, we have no objection for your expansion project.

Thanking you,



Geologist,
Geological Sub Div No. I/A
S.W.I.D., Paschim Medinipur
&
Member Secretary,
DLA, Paschim Medinipur.

Memo No. 274 /1(1)**Dated, Midnapore, the 23.09.2021**

Copy forwarded for information to:

1. The District Magistrate & Chairman, District Level Authority, Paschim Medinipur.



Geologist,
Geological Sub Div No. I/A
S.W.I.D., Paschim Medinipur
&
Member Secretary,
DLA, Paschim Medinipur.

NOC NO172023

SPEED POST

WEST BENGAL POLLUTION CONTROL BOARD

Paribesh Bhawan
10A, Block - LA, Sector III, Bidhannagar
Kolkata - 700 106



Memo No. 25 - 2N-32/2023 (E)

Dated 18.01.2023

From :
Member Secretary,
West Bengal Pollution Control Board

To: The Executive Director,
M/s. Svaksha Distillery Limited,
Mouza-Dakshin Simla, PO-Changual, PS-Kharagpur(L), Changual Gram
Panchayat, Dist.- Paschim Medinipur - 721 301.

Sub: Consent to Establish (NOC) from Environmental Point of View

Ref: i) Your letter No. SDL/WBPCB/2022-23/006 Dated 03.01.2023
ii) Env. Clearance issued by MOEFCC vide EC No. EC22A060WB159657,
F.No. J-11011/259/2015-IA II(I) dt. 14.11.2022.

WEST BENGAL

Dear Sirs,

In response to the application for Consent to Establish (NOC) for proposed expansion of Unit of M/s Svaksha Distillery Limited

for manufacturing/storage/installation of a new 100 KLPD fuel ethanol plant in addition to the existing 200 KLPD grain based distillery plant, Mouza- Dakshin Simla, J.L. No.355, PS-Kharagpur, Dist. Paschim Medinipur.

this is to inform you that this Board hereby grants the Consent to Establish (NOC) from the environmental point of the above subject to the following conditions and special conditions annexed.

1. The quality of sewage and trade effluent to be discharged from your factory shall satisfy the permissible limits as prescribed in IS : 2490 (Pt. I) of 1974, and/or its subsequent amendment and Environment (Protection) Rules 1986.
2. Suitable measures to treat your effluent shall be adopted by you in order to reduce the pollutional load so that the quality of the effluent satisfies the standards mentioned above.
3. You shall have to apply to this Board for its consent to operate and discharge of sewage and trade effluent according to the provisions of the water (Prevention & Control of Pollution) Act, 1974. No sewage or trade effluent shall be discharged by you without prior consent of this Board.
4. All emission from your factory shall conform to the standards as laid down by this Board.
5. No emission shall be permitted without prior approval of this Board and you shall apply to this Board for its consent to operate and atmospheric emission: as per provision of the Air (Prevention & Control Pollution) act, 1981.
6. No industrial plant, furnace, flues, chimneys, control equipment, etc. shall be constructed/reconstructed/erected/re-erected without prior approval of this Board.

W. B. Pollution Control Board
18/01/2023
Chief Engineer

W. B. Pollution Control Board
Dept. of Environment, Govt. of W.B.

7. You shall comply with
- (i) Water (Prevention and Control of Pollution) Cess Act, 1977, if applicable.
 - (ii) Water (Prevention and Control of Pollution) Cess Act, 1978, if applicable.
 - (iii) Environment (Protection) Act, 1986
 - (iv) Environment (Protection) Rules, 1986
 - (v) Hazardous Wastes (Management and Handling) Rules, 1989 and Amended Rules, 2000
 - (vi) Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989 and Amended Rules, 2000
 - (vii) Manufacture, Use, Import and Storage and Hazardous Micro-Organisms, Genetically Engineered Organisms or Cell Rules, 1989
 - (viii) The Public Liability Insurance Act, 1991 and Amended Act, 1992
 - (ix) The Public Liability Insurance Rules, 1991 and Amended Rules 1993
 - (x) Biomedical Wastes (Management & Handling) Rules, 1998 and Amended Rules 2000 if applicable.
 - (xi) Recycled Plastics Manufacture and Usage Rules 1999, if applicable and
 - (xii) Ozone Depleting Substances (Regulation & Control) Rules, 2000, if applicable
8. You will have to abide by any other stipulations as may be prescribed by any authority/local bodies/Government Departments etc.

SPECIAL CONDITION :

The Project cost for expansion is Rs.50 Crores.

- 1) The ethanol produced from the proposed project shall be used completely for Ethanol Blending Petrol Programme of the Govt. of India.
- 2) Please refer to Annexure.

14.11.22

Any violation of the aforesaid conditions shall entail cancellation of this Consent to Establish (NOC)

Yours faithfully,

[Signature]
 Member Secretary, / Chief Engineer
 West Bengal Pollution Control Board (EIM CELL)
 Chief Engineer
 W. B. Pollution Control Board
 Dept. of Environment, Govt. of W.B.

Memo No. 25 - 2N-32/2016(E) dt. 18.01.2023

Copy forwarded for information to :

1. Chief Inspector of Factories, Government of West Bengal, N. S. Building, Kolkata-700 001
2. Director of Industries/Director of Cottage & Small Scale Industries, Government of West Bengal, N. S. Building, Kolkata-700 001
3. Guard file, West Bengal Pollution Control Board.
4. Environmental Engineer, III/Alipur R.O./Howrah R.O./Hooghly R.O./B.R.O./D.R.O./Haldia R.O./S.R.O./Asansol/ Sub-R.O./WBPC Board

Himalaya Bhawan Delhi Road, Dankuni Dist. Hooghly	Vill, Panpur Kalyani Expressway P.O. Narayanpur Dist. 24 Pgs. (N)	Sahid Khudiram Sarani City Centre, Durgapur-16 Dist. Burdwan	10, Camac Street 2nd Floor Kolkata-700 017
---	--	--	--

Paribesh Bhawan 10A, LA-Block, Sector-III Salt Lake City, Kolkata - 700 098	Block-05 at 40 Flats Complex Adjacent to Priyambada Housing Estate P.O. : Khanjanachak, P.S. Durgachak Haldia-721602 Dist. : Purba Medinipur	Paribahan Nagar Matigara, Siliguri Dist.-Darjeeling
--	---	---

Satya Chowdhury Indoor Stadium Balurchar Bandh Road Malda-732101	Asansol Sub-Regional Office ADDA Commercial Market (2nd Floor) Opposite Asansol Fire Station G.T. Road, Asansol-713 301
---	--

[Signature]
 Member Secretary, / Chief Engineer
 West Bengal Pollution Control Board (EIM CELL)
 Chief Engineer
 W. B. Pollution Control Board
 Dept. of Environment, Govt. of W.B.

Special Conditions issued to **M/s. Svaksha Distillery Limited** at Mouza – Dakshin Simla, JL No. 355, PS – Kharagpur, Dist – Paschim Medinipur, West Bengal.

A) **Details of products and capacity are as under :-**

Sl. No.	Product details	Unit	Existing capacity	Proposed additional capacity	Total capacity
1.	ENA / RS / Impure Spirit / country Spirit / Denatured Spirit / Fuel Ethanol (Absolute ethanol)	KL	200	100 (Fuel Ethanol only)	300
2.	Byproducts				
3.	CO ₂	MT	140	70	210
4.	Fusel Oil	MT	2	1	3
5.	DDGS	MT	106	53	159

B) **Emission:-**

1. The existing unit has 1x75 TPH biomass / coalfired boiler.
2. No additional boiler will be installed for the proposed expansion.
3. D.G. Set - 2X1010 KVA
4. Stack –
 - i) For DG sets individual stacks of 30 m and as per CPCB norms.

Stacks to have sampling port, platform, ladder as per the emission regulation part –III of CPCB.

C) **Effluent :-**

Total fresh water requirement shall not exceed 4.0 KL/KL and will be sourced from ground water. The industry shall construct rainwater storage facility of 60 days capacity and the accumulated water to be used as fresh water, thereby reducing fresh water consumption. The plant shall be based on zero liquid discharge system.

D) **Solid / Hazardous Waste :-**

1. Spent wash shall be concentrated and dried to form DDGS to be used as cattle feed. Brick manufacturing plant will be installed within the plant for utilization of fly ash. Project proponent shall not use coal as fuel. The project proponent shall install ESP for the existing boiler.

E) **Specific Conditions :-**

- i. The company shall comply with all the environmental protection measures and safeguards. All the recommendations made in the EIA/EMP in respect of environmental management, and risk mitigation measures relating to the project shall be implemented.
- ii. The project proponent will treat and reuse the treated water within the industry and no waste or treated water shall be discharged outside the premises.
- iii. Freshwater requirement will be sourced from groundwater. Prior permission shall be obtained from the concerned regulatory authority in this regard, and renewed from time to time. No ground water recharge shall be permitted within the premises.
- iv. The spent wash shall be concentrated and dried to form DDGS to be used as cattle feed.
- v. CO₂ generated from the process shall be bottled/made solid ice and utilized/sold to authorized vendors.

Special Conditions issued to **M/s. Svaksha Distillery Limited** at Mouza – Dakshin Simla, JL No. 355, PS – Kharagpur, Dist – Paschim Medinipur, West Bengal.

- vi. Occupational Health Centre for surveillance of the worker's health shall be set up. The health data shall be used in deploying the duties of the workers. All workers & employees shall be provided with required safety kits/mask for personal protection.
- vii. Training shall be imparted to all employees on safety and health aspects of chemicals handling. Safety and visual reality training shall be provided to employees.
- viii. The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Firefighting system shall be as per the norms.
- ix. The company shall undertake waste minimization measures as below (a) Metering and control of quantities of active ingredients to minimize waste; (b) Reuse of by-products from the process as raw materials or as raw material substitutes in other processes. (c) Use of automated filling to minimize spillage. (d) Use of Close Feed system into batch reactors. (e) Venting equipment through vapour recovery system. (f) Use of high pressure hoses for equipment clearing to reduce wastewater generation.
- x. The green belt of at least 5-10 m width shall be developed in nearly 33% of the total project area, mainly along the plant periphery. Selection of plant species shall be as per the CPCB guidelines in consultation with the State Forest Department. Records of tree canopy shall be monitored through remote sensing map.
- xi. There shall be adequate space inside the plant premises earmarked for parking of vehicles for raw materials and finished products as per CPCB norms and no parking to be allowed outside on public places.
- xii. Storage of raw materials shall be either stored in silos or in covered areas to prevent dust pollution and other fugitive emissions.
- xiii. Continuous online (24x7) monitoring system for stack emissions shall be installed for measurement of flue gas discharge and the pollutants concentration, and the data to be transmitted to the CPCB and SPCB server.

F) **General :-**

1. Noise Control – Ambient noise level and D.G. Set noise level should not exceed the permissible limits. Every care to be taken for noise control.
2. The unit should obtain 'Consent-to-Operate' from this Board before starting manufacturing process activities.
3. Under no circumstances molasses to be used as raw material.
4. Adequate control measures shall be taken to control fugitive dust emission from all vulnerable sources within the plant premises.
5. The project proponent should take all possible measures to avoid any kind of nuisance during transportation of raw materials and products to and from the premises. All kinds of transportation should be carried out in covered vehicles and should not cause public discomfort.
6. No additional machineries / equipment can be installed without prior permission from this Board. No change in raw materials, products, production capacity and manufacturing process shall be made without prior permission from this Board.
7. Adequate provision for rain water harvesting should be made. Recharging of Ground water is not permitted.
8. Adequate dust suppression and extraction system should be provided in material storage areas, material unloading and transfer points for controlling fugitive emission.
9. All internal roads should be paved.

Annexure to NOC Sl. No. **NO172023**

Special Conditions issued to **M/s. Svaksha Distillery Limited** at Mouza – Dakshin Simla, JL No. 355, PS – Kharagpur, Dist – Paschim Medinipur, West Bengal.

10. Raw materials should be stored within covered area.
11. NOC may be revoked by the State Board, in case of failure of implementation of the above conditions.
12. All conditions as imposed by MoEF, GoI through their Environmental Clearance issued vide EC Identification No. EC22A060WB159657 File no. J-11011/259/2015-IA.II (I) dated 14.11.2022 shall be strictly complied with.
13. This Consent to Establish is valid up to **31.12.2029** for setting up of the project.

Dmk
18/11/2023
Member Secretary/Chief Engineer (EIM Cell)
West Bengal Pollution Control Board

Chief Engineer
W. B. Pollution Control Board
Dept. of Environment, Govt. of W.B.

Analysis Report of Grab Water/Waste Water Samples



WEST BENGAL POLLUTION CONTROL BOARD

Haldia Regional Laboratory

Raghunathchak, P.O.-Barghasipur, P.S.-Bhabanipur, Haldia, Purba Medinipur – 721 657
Tel: (03224) 291292

Sample Id : 220920230323

Inspection Done Under : Haldia Regional Office

Sample Collected By : K. Sahoo (AEE)

Date of Collection : 21/09/2023

Office Code : 0000013

Name of Unit / Source : Svaksha Distillery Ltd.

Address : Dakshin Shimla, Pashim Medinipore

Sl. Sampling Details (Collection/Discharge)	T#/U#	Collection Time
1 Outlet of ETP	T	1130 hrs.
# Treated / Untreated		

Parameters	Sample Serial Number
	1
TSS	8.00
COD	10.00
pH	7.90
BOD	Not done
O&G	BDL

BDL : Below Detectable Limit, NT : Not Traceable, NE : Not Exerted, NA : Not Applicable

Remarks:-

- All Parameters expressed in mg/l excepting pH.
- Results are reported based on materials received.
- Sample will be kept stored up to 30 days from the date of issue of Analysis Report, unless otherwise specified.
- Test report is not to be reproduced in full or part without written approval of the WBPCB.

Analysis Start Date : 22/09/2023

Analysis End Date : 25/09/2023

====END OF REPORT====

Date of Reporting: 26/09/2023

Scientist

Senior Scientist

Copy to:-

- Chief Engineer - O & E, WBPCB
- Chief Engineer - Planning & EIM Cell, WBPCB
- Chief Scientist, WBPCB
- Haldia Regional Office, WBPCB (2 copies)

**Analysis Report of Gaseous Emission****Sample ID : 210920230281**

1. Name of Industry	: M/s. Svashka Distillery Ltd.
2. Address	: Mouza-Dakshin Simla, Dag no.-1288(P), Kharagpur
3. Category & Type	: Red/Distillery
4. Sampling Date	: 21/09/2023
5. Sampled collected by	: K. Sahoo (AEE), HRO
6. Thimble Number	: 630
7. Name of WBPCB Recognized Laboratory	: M/s. Qualissure Laboratory Services
8. Duration of Sampling	: 39 min
9. Height of Stack from ground (m)	: 62.0
10. Cross section of stack at sampling point (m ²)	: 5.5176
11. Stack connected to	: Boiler
12. Emission source (Furnace / Boiler)	: Combustion of Paddy Husk
13. Average operational hours of boiler/furnace (per month)	: 720 hrs./month
14. APC System (if any)	: ESP
15. Working load of source (MT/hr.)	: Rated-70 TPH, Load-45 TPH
16. Fuel used	: Paddy Husk
17. Rated Fuel consumption (Kg or L/hr.)	: -
18. Working Fuel consumption (Kg or L/hr.)	: Paddy Husk- 12.5 TPH, Coal- NIL
19. Nature of Furnace / Boiler	: Boiler
20. Flue Gas Temp (°C)	: 123.0
21. Flue gas velocity (m/sec)	: 7.48
22. Volume of Flue gas drawn in lit (m ³)	: 1.014
23. Corrected flue gas volume (Nm ³)	: 0.8789
24. Percentage CO ₂ and or O ₂	: CO ₂ – 8.8% & O ₂ -10.6%
25. To be compensated at (% , if required)	: At 6% O ₂
26. Initial weight of Thimble (g)	: 1.4650
27. Final weight of Thimble (g)	: 1.4853
28. Weight of Particulate Matter (mg)	: 20.30
29. Particulate Matter (mg/Nm ³)	: 33.32
30. Barometric Pressure Head in mm of Hg	: 752 mm of Hg
31. Diameter of the nozzle (mm)	: 9.53 mm
32. Others	: SO ₂

(To be done by Recognized Laboratory of WBPCB)

Date of Reporting : 03/10/2023

Scientist

Senior Scientist

Copy to : 1. Chief Engineer (O&E)
3. Chief Scientist2. Chief Engineer (Planning)
4. Environmental Engineer, Haldia Regional Office (2 copies)



Briggs Analytical Bureau

ANALYTICAL TECHNICAL AND CONSULTING CHEMISTS

Off : 2213-2882
Lab : 2334-0565
M : 9339760449
E-mail : shyamsarkar.67@gmail.com
briggssanalyticalbureau@gmail.com

"Commerco House"
2A, GANESH CH. AVENUE,
9th floor, Room No. 7A
KOLKATA-700 013

Laboratory
AA 285, SECTOR-1
Salt Lake City
KOLKATA-700 064

Registration No. L/7701

Certificate of Examination

We hereby certify that a sample of "WATER" submitted to us on the 25th April 2023 by and on account of SVAKSHA DISTILLERY LIMITED, Unit- 307, DLF Galleria, Premises No.- 02-124, Action Area- 18, Newtown, Kolkata- 700156, West Bengal, India., has been analysed with the following results:

BACTERIOLOGICAL EXAMINATION:

British Public Health Methods Employed:

B.P.H.L.
ACCEPTABLE

Colonies Visible on agar in 1 ml. after 48 hours at 37°C	40	Max 100
Probable number of coli aerogenes present in 100 ml	Nil	Nil
B. Coli Faecal Type I -	Not Isolated in 100ml of original water	
B. Coli Faecal Type II -	Not Isolated in 100 ml of original water	
Cl. Welchii	Absent in 10 ml of original water	Nil/10ml

CONDITION OF WATER AT TIME OF ANALYSIS:

	<u>D.L.</u>	<u>MAX.CPHL</u>	<u>D.L.CPHL</u>
Appearance/Colour (Hazen) – Clear	10	50	Sediment – Nil
Odour- Agreeable	Unobj	Unobj	Reaction PH Value-7.1
Turbidity (NTU) – 1	10	25	Free Cl. (PPM) – Nil

RESULTS expressed in parts per Million

ESTIMATION: D.L. Max C.P.H.L. PROBABLE COMPOSITION OF TOTAL SOLIDS:

Total solids dried at 100°C	- 565.0	500	2000	
Alkalinity to Phenolphthalein as (CaCO ₃)	- Nil			Calcium Carbonate - 91.2
Alkalinity to Methylorange as (CaCO ₃)	- 275.0			Magnesium Carbonate - 154.9
Silica as SiO ₂	- 0.5			Magnesium Sulphate - 3.1
Oxide of Iron & Alumina	- 0.2			Magnesium Chloride - 57.6
Iron as Fe	- 0.5	0.1	0.3	Sodium Chloride - 253.7
Manganese as Mn	- Nil	0.1	0.5	Silica - 0.5
Lime as CaO	- 51.1	104.9	279.8	Oxide of Iron & Alumina - 0.2
Magnesia as MgO	- 26.1	82.9	248.7	Potassium Nitrate - 2.8
Sulphates as SO ₃	- 3.4	200	400	Combined Water etc. - 1.0
Chlorides as Cl	- 196.8	250	1000	565.0
Nitrates as KNO ₃	- 2.8	73.4	73.4	
Free Carbonic acid	- 0.09	-	-	

Arsenic-Absent
Colour(Hazen Unit)- Clear

grains per D.L. parts per Max.
gallon PPM. Million: CPHL

HARDNESS IN

Total Hardness	10.92	300	156.0	600
Temporary Hardness	10.92		156.0	
Permanent Hardness	Absent		Absent	

REMARKS:

Bacteriologically: Satisfactory.
Chemically: Satisfactory as per the Limitation of Central Public Health in respect of above Tests and as such it is Fit for Human Consumption.
Site- Piezometer-4

[Signature]
CHIEF EXECUTIVE



Briggs Analytical Bureau

ANALYTICAL TECHNICAL AND CONSULTING CHEMISTS

Off : 2213-2062
Lab : 2334-0565
M : 9339760449
E-mail : ahyamsarkar.67@gmail.com
briggssanalyticalbureau@gmail.com

"Commerco House"
2A, GANESH CH. AVENUE,
9th floor, Room No. 7A
KOLKATA-700 013

Laboratory
AA 285, SECTOR-1
Salt Lake City
KOLKATA-700 064

Registration No. LJ7701

Certificate of Examination

We hereby certify that a sample of "WATER" submitted to us on the 25th April 2023 by and on account of SVAKSHA DISTILLERY LIMITED, Unit- 307, DLF Galleria, Premises No.- 02-124, Action Area- 18, Newtown, Kolkata- 700156, West Bengal, India., has been analysed with the following results:

BACTERIOLOGICAL EXAMINATION:
British Public Health Methods Employed:

B.P.H.L.
ACCEPTABLE

Colonies Visible on agar in 1 ml. after 48 hours at 37°C ...	60	Max 100
Probable number of coli aerogenes present in 100 ml ...	Nil	Nil
B. Coli Faecal Type I -	Not Isolated in 100ml of original water	
B. Coli Faecal Type II-	Not Isolated in 100 ml of original water	
Cl. Welchii -	Absent in 10 ml of original water	Nil/10ml

CONDITION OF WATER AT TIME OF ANALYSIS:

	D.L.	MAX.CPHL		D.L.CPHL
Appearance/Colour (Hazen) – Clear	10	50	Sediment – Nil	Max
Odour- Agreeable	Unobj	Unobj	Reaction PH Value-7.1	6.5/8.5 9.2
Turbidity (NTU) – 5	10	25	Free Cl. (PPM) – Nil	0.2 0.5



RESULTS expressed in parts per Million

ESTIMATION:	D.L.	Max C.P.H.L.	PROBABLE COMPOSITION
Total solids dried at 100°C	780.0	500	OF TOTAL SOLIDS:

Alkalinity to Phenolphthalein as (CaCO ₃)	- Nil		Calcium Carbonate	- 120.5	
Alkalinity to Methylorange as (CaCO ₃)	- 285.0		Magnesium Carbonate	- 138.6	
			Magnesium Sulphate	- 5.1	
			Magnesium Chloride	- 76.3	
			Sodium Chloride	- 433.3	
			Silica	- 1.0	
Silica as SiO ₂	- 1.0		Oxide of Iron & Alumina	- 0.5	
Oxide of Iron & Alumina	- 0.5		Potassium Nitrate	- 3.2	
Iron as Fe	- 1.0	0.1	0.3	Combined Water etc.	- 1.5
Manganese as Mn	- Nil	0.1	0.5		
Lime as CaO	- 67.5	104.9	279.8		
Magnesia as MgO	- 34.0	82.9	248.7		
Sulphates as SO ₃	- 3.4	200	400		
Chlorides as Cl	- 299.6	250	1000		
Nitrates as KNO ₃	- 3.2	73.4	73.4		
Free Carbonic acid	- 0.4	-	-		

Arsenic-Absent

Colour(Hazen Unit)- Clear

HARDNESS IN

	grains per gallon	D.L. PPM.	parts per Million:	Max. CPHL
Total Hardness	14.34	300	204.1	600
Temporary Hardness	14.34		204.1	
Permanent Hardness	Absent		Absent	

REMARKS:

Bacteriologically: Satisfactory.

Chemically: Satisfactory as per the Limitation of Central Public Health in respect of above Tests and as such it is Fit for Human Consumption.

Site- Piezometer-1

[Signature]
CHIEF EXECUTIVE



Briggs Analytical Bureau

ANALYTICAL TECHNICAL AND CONSULTING CHEMISTS

Off : 2213-2862
Lab : 2334-0565
M : 9339760449
E-mail : shyamsarkar.67@gmail.com
briggssanalyticalbureau@gmail.com

"Commerce House"
2A, GANESH CH. AVENUE,
9th floor, Room No. 7A
KOLKATA-700 013

Laboratory
AA 205, SECTOR-1
Salt Lake City
KOLKATA-700 064

Registration No. L/7701

Certificate of Examination

We hereby certify that a sample of "BORE WELL WATER" submitted to us on the 25th April 2023 by and on account of SVAKSHA DISTILLERY LIMITED, Unit- 307, DLF Galleria, Premises No.- 02-124, Action Area- 18, Newtown, Kolkata- 700156, West Bengal, India., has been analysed with the following results:

BACTERIOLOGICAL EXAMINATION:

British Public Health Methods Employed:

		<u>B.P.H.L.</u>
		<u>ACCEPTABLE</u>
Colonies Visible on agar in 1 ml. after 48 hours at 37°C	60	Max 100
Probable number of coli aerogenes present in 100 ml	Nil	Nil
B. Coli Faecal Type I -	Not Isolated in 100ml of original water	
B. Coli Faecal Type II -	Not Isolated in 100 ml of original water	
Cl. Welchii -	Absent in 10 ml of original water	Nil/10ml

CONDITION OF WATER AT TIME OF ANALYSIS:

	<u>D.L.</u>	<u>MAX.CPHL</u>		<u>D.L.CPHL</u>	<u>Max</u>
Appearance/Colour (Hazen) – Clear	10	50	Sediment – Nil		
Odour- Agreeable	Unobj	Unobj	Reaction PH Value- 6.9	6.5/8.5	9.2
Turbidity (NTU) – 5	10	25	Free Cl. (PPM) – Nil	0.2	0.5

RESULTS expressed in parts per Million

<u>ESTIMATION:</u>	<u>D.L.</u>	<u>Max C.P.H.L.</u>	<u>PROBABLE COMPOSITION</u>
Total solids dried at 100°C	728.0	500	<u>OF TOTAL SOLIDS:</u>

Alkalinity to Phenolphthalein as (CaCO₃) - Nil

Alkalinity to Methylorange as (CaCO₃) - 240.0

Silica as SiO₂ - 0.9

Oxide of Iron & Alumina - 0.4

Iron as Fe - 0.9 0.1, 0.3

Manganese as Mn - Nil 0.1 0.5

Lime as CaO - 9.5 104.9 279.8

Magnesia as MgO - 34.8 82.9 248.7

Sulphates as SO₃ - 4.1 200 400

Chlorides as Cl - 310.3 250 1000

Nitrates as KNO₃ - 3.2 73.4 73.4

Free Carbonic acid - 5.1 - -

Arsenic-Absent

Colour(Hazen Unit)- Minute Trace

Calcium Carbonate	- 124.0
Magnesium Carbonate	- 97.7
Magnesium Sulphate	- 6.2
Magnesium Chloride	- 77.2
Sodium Chloride	- 416.8
Silica	- 0.9
Oxide of Iron & Alumina	- 0.4
Potassium Nitrate	- 3.2
Combined Water etc.	- 1.6
	<u>728.0</u>

<u>grains per</u>	<u>D.L.</u>	<u>parts per</u>	<u>Max.</u>
<u>gallon</u>	<u>PPM.</u>	<u>Million:</u>	<u>CPHL</u>

HARDNESS IN

Total Hardness	14.73	300	260.4	600
Temporary Hardnes	14.73		260.4	
Permanent Hardness	Absent		Absent	

REMARKS:

Bacteriologically: Satisfactory.

Chemically: Satisfactory as per the Limitation of Central Public Health in respect of above Tests and as such it is Fit for Human Consumption.

Site- Bore Well -3

[Signature]
CHIEF EXECUTIVE



Briggs Analytical Bureau

ANALYTICAL TECHNICAL AND CONSULTING CHEMISTS

Off : 2213-2002
Lab : 2334-0505
M : 9339760449
E-mail : ehyamarkar.07@gmail.com
briggsanalyticalbureau@gmail.com

"Commerce House"
2A, GANESH CH. AVENUE,
9th floor, Room No. 7A
KOLKATA-700 013

Laboratory
AA 285, SECTOR-1
Salt Lake City
KOLKATA-700 064

Registration No. LJ7701

Certificate of Examination

We hereby certify that a sample of "BORE WELL WATER" submitted to us on the 25th April 2023 by and on account of SVAKSHIA DISTILLERY LIMITED, Unit- 307, DLF Galleria, Premises No.- 02-124, Action Area- 12, Newtown, Kolkata- 700156, West Bengal, India., has been analysed with the following results:

BACTERIOLOGICAL EXAMINATION:
British Public Health Methods Employed:

B.P.H.L.
ACCEPTABLE
Max 100
Nil

Colonies Visible on agar in 1 ml. after 48 hours at 37°C ... 60
Probable number of coli aerogenes present in 100 ml ... Nil
B. Coli Faecal Type I - Not Isolated in 100ml of original water
B. Coli Faecal Type II - Not Isolated in 100 ml of original water
Cl. Welchii - Absent in 10 ml of original water

Nil/10ml

CONDITION OF WATER AT TIME OF ANALYSIS:

Max

Appearance/Colour (Hazen) - Clear
Odour- Agreeable
Turbidity (NTU) - 5

D.L. **MAX.CPHL**

10 50 Sediment - Nil
Unobj Unobj Reaction PH Value- 6.9 6.5/8.5 9.2
10 25 Free Cl. (PPM) - Nil 0.2 0.5

D.L.CPHL



RESULTS expressed in parts per Million

ESTIMATION:

Total solids dried at 100°C - 728.0

D.L. **Max C.P.H.L.**

500 2000

PROBABLE COMPOSITION OF TOTAL SOLIDS:

Alkalinity to Phenolphthalein as (CaCO₃) - Nil

Calcium Carbonate - 124.0

Alkalinity to Methylorange as (CaCO₃) - 240.0

Magnesium Carbonate - 97.7

Magnesium Sulphate - 6.2

Magnesium Chloride - 77.2

Sodium Chloride - 416.8

Silica - 0.9

Oxide of Iron & Alumina - 0.4

Potassium Nitrate - 3.2

Combined Water etc. - 1.6

Silica as SiO₂ - 0.9

Oxide of Iron & Alumina - 0.4

Iron as Fe - 0.9 0.1 0.3

Manganese as Mn - Nil 0.1 0.5

Lime as CaO - 9.5 104.9 279.8

Magnesia as MgO - 34.8 82.9 248.7

Sulphates as SO₃ - 4.1 200 400

Chlorides as Cl - 310.3 250 1000

Nitrates as KNO₃ - 3.2 73.4 73.4

Free Carbonic acid - 5.1 - -

Arsenic-Absent

Colour(Hazen Unit)- Minute Trace

grains per D.L. parts per Max.
gallon PPM. Million: CPHL

HARDNESS IN

Total Hardness 14.73 300 260.4 600
Temporary Hardness 14.73 260.4
Permanent Hardness Absent Absent

REMARKS:

Bacteriologically: Satisfactory.

Chemically: Satisfactory as per the Limitation of Central Public Health in respect of above Tests and as such it is Fit for Human Consumption.

Site- Bore Well -3

CHIEF EXECUTIVE



Briggs Analytical Bureau

ANALYTICAL TECHNICAL AND CONSULTING CHEMISTS

Off : 2213-2862
Lab : 2334-0565
M : 9339760449
E-mail : shyamsarkar.67@gmail.com
briggssanalyticalbureau@gmail.com

"Commerce House"
2A, GANESH CH. AVENUE,
9th floor, Room No. 7A
KOLKATA-700 013

Laboratory
AA 285, SECTOR-1
Salt Lake City
KOLKATA-700 064

Registration No. L7701

Certificate of Examination

We hereby certify that a sample of "BORE WELL WATER" submitted to us on the 25th April 2023 by and on account of SVAKSHA DISTILLERY LIMITED, Unit- 307, DLF Galleria, Premises No.- 02-124, Action Area- 18, Newtown, Kolkata- 700156, West Bengal, India., has been analysed with the following results:

BACTERIOLOGICAL EXAMINATION:

British Public Health Methods Employed:

Colonies Visible on agar in 1 ml. after 48 hours at 37°C ... 80
Probable number of coli aerogenes present in 100 ml ... Nil
B. Coli Faecal Type I - Not Isolated in 100ml of original water
B. Coli Faecal Type II - Not Isolated in 100 ml of original water
Cl. Welchii - Absent in 10 ml of original water

B.P.H.L.
ACCEPTABLE

Max 100
Nil

Nil/10ml

CONDITION OF WATER AT TIME OF ANALYSIS:

Appearance/Colour (Hazen) – Clear
Odour- Agreeable
Turbidity (NTU) – 8

D.L. MAX.CPHL

10 50
Unobj Unobj
10 25

Sediment – Nil
Reaction PH Value- 7.0
Free Cl. (PPM) – Nil

D.L.CPHL

6.5/8.5 9.2
0.2 0.5

ESTIMATION:

Total solids dried at 100°C



RESULTS expressed in parts per Million

D.L. Max C.P.H.L.
716.0 500 2000

PROBABLE COMPOSITION OF TOTAL SOLIDS:

Alkalinity to Phenolphthalein as (CaCO₃) - Nil

Alkalinity to Methylorange as (CaCO₃) - 245.0

Calcium Carbonate - 115.0
Magnesium Carbonate - 109.5
Magnesium Sulphate - 4.1
Magnesium Chloride - 73.7
Sodium Chloride - 406.4
Silica - 1.6
Oxide of Iron & Alumina - 0.8
Potassium Nitrate - 3.5
Combined Water etc. - 1.4
716.0

Silica as SiO₂ - 1.6
Oxide of Iron & Alumina - 0.8
Iron as Fe - 1.6 0.1 0.3
Manganese as Mn - Nil 0.1 0.5
Lime as CaO - 64.4 104.9 279.8
Magnesia as MgO - 32.6 82.9 248.7
Sulphates as SO₃ - 2.7 200 400
Chlorides as Cl - 50.4 250 1000
Nitrates as KNO₃ - 3.5 73.4 73.4
Free Carbonic acid - 0.1 - -

Arsenic-Absent

Colour(Hazen Unit)- Minute Trace

grains per gallon	D.L. PPM.	parts per Million:	Max. CPHL
Total Hardness	13.71	300	195.9 600
Temporary Hardnes	13.71		195.9
Permanent Hardness	Absent		Absent

HARDNESS IN

Total Hardness
Temporary Hardnes
Permanent Hardness

REMARKS:

Bacteriologically: Satisfactory.

Chemically: Satisfactory as per the Limitation of Central Public Health in respect of above Tests and as such it is Fit for Human Consumption.

Site- Bore Well -2

Aman
CHIEF EXECUTIVE



Briggs Analytical Bureau

ANALYTICAL TECHNICAL AND CONSULTING CHEMISTS

Off : 2213-2862
Lab : 2334-0565
M : 9339760449
E-mail : shyamsarkar.67@gmail.com
briggssanalyticalbureau@gmail.com

"Commerce House"
2A, GANESH CH. AVENUE,
9th floor, Room No. 7A
KOLKATA-700 013

Laboratory
AA 285, SECTOR-1
Salt Lake City
KOLKATA-700 064

Registration No. U7701

Certificate of Examination

We hereby certify that a sample of "BORE WELL WATER" submitted to us on the 25th April 2023 by and on account of SVAKSHA DISTILLERY LIMITED, Unit- 307, DLF Galleria, Premises No.- 02-124, Action Area- 18, Newtown, Kolkata- 700156, West Bengal, India., has been analysed with the following results:

BACTERIOLOGICAL EXAMINATION:

British Public Health Methods Employed:

Colonies Visible on agar in 1 ml. after 48 hours at 37°C ... 80
Probable number of coli aerogenes present in 100 ml ... Nil
B. Coli Faecal Type I - Not Isolated in 100ml of original water
B. Coli Faecal Type II - Not Isolated in 100 ml of original water
Cl. Welchii - Absent in 10 ml of original water

B.P.H.L. ACCEPTABLE

Max 100
Nil

Nil/10ml

CONDITION OF WATER AT TIME OF ANALYSIS:

Appearance/Colour (Hazen) – Clear
Odour- Agreeable
Turbidity (NTU) – 8

D.L. MAX.CPHL

10 50
Unobj Unobj
10 25

Sediment – Nil
Reaction PH Value- 7.0 6.5/8.5 9.2
Free Cl. (PPM) – Nil 0.2 0.5

D.L.CPHL

Max



RESULTS expressed in parts per Million

ESTIMATION:

Total solids dried at 100°C

D.L. Max C.P.H.L.
- 716.0 500 2000

PROBABLE COMPOSITION OF TOTAL SOLIDS:

Alkalinity to Phenolphthalein as (CaCO₃) - Nil
Alkalinity to Methylorange as (CaCO₃) - 245.0

Calcium Carbonate - 115.0
Magnesium Carbonate - 109.5
Magnesium Sulphate - 4.1
Magnesium Chloride - 73.7
Sodium Chloride - 406.4
Silica - 1.6
Oxide of Iron & Alumina - 0.8
Potassium Nitrate - 3.5
Combined Water etc. - 1.4
716.0

Silica as SiO₂ - 1.6
Oxide of Iron & Alumina - 0.8
Iron as Fe - 1.6 0.1 0.3
Manganese as Mn - Nil 0.1 0.5
Lime as CaO - 64.4 104.9 279.8
Magnesia as MgO - 32.6 82.9 248.7
Sulphates as SO₃ - 2.7 200 400
Chlorides as Cl - 50.4 250 1000
Nitrates as KNO₃ - 3.5 73.4 73.4
Free Carbonic acid - 0.1 - -

Arsenic-Absent

Colour(Hazen Unit)- Minute Trace

grains per D.L. parts per Max.
gallon PPM. Million: CPHL

HARDNESS IN

Total Hardness 13.71 300 195.9 600
Temporary Hardnes 13.71 195.9
Permanent Hardness Absent Absent

REMARKS:

Bacteriologically: Satisfactory.

Chemically: Satisfactory as per the Limitation of Central Public Health in respect of above Tests and as such it is Fit for Human Consumption.

Site- Bore Well -2

CHIEF EXECUTIVE



Briggs Analytical Bureau

ANALYTICAL TECHNICAL AND CONSULTING CHEMISTS

Off : 2213-2862

Lab : 2334-0565

M : 9339760449

E-mail : shyamsarkar.87@gmail.com
briggssanalyticalbureau@gmail.com

"Commerce House"

2A, GANESH CH. AVENUE,

9th floor, Room No. 7A

KOLKATA-700 013

Laboratory

AA 285, SECTOR-1

Salt Lake City

KOLKATA-700 064

Registration No. L/7701

Certificate of Examination

We hereby certify that a sample of "WATER" submitted to us on the 25th April 2023 by and on account of SVAKSHA DISTILLERY LIMITED, Unit- 307, DLF Galleria, Premises No.- 02-124, Action Area- 18, Newtown, Kolkata- 700156, West Bengal, India., has been analysed with the following results:

BACTERIOLOGICAL EXAMINATION:

British Public Health Methods Employed:

Colonies Visible on agar in 1 ml. after 48 hours at 37°C ... 60
Probable number of coli aerogenes present in 100 ml ... Nil
B. Coli Faecal Type I - Not Isolated in 100ml of original water
B. Coli Faecal Type II - Not Isolated in 100 ml of original water
Cl. Welchii - Absent in 10 ml of original water

B.P.H.L. ACCEPTABLE

Max 100

Nil

Nil/10ml

CONDITION OF WATER AT TIME OF ANALYSIS:

Appearance/Colour (Hazen) – Clear
Odour- Agreeable
Turbidity (NTU) – 5

D.L. MAX.CPHL

10 50

Unobj Unobj

10 25

Sediment – Nil

Reaction PH Value-7.1

Free Cl. (PPM) – Nil

Max

D.L.CPHL

6.5/8.5 9.2

0.2 0.5

ESTIMATION:

Total solids dried at 100°C



RESULTS expressed in parts per Million

D.L. Max C.P.H.L.

- 780.0 500 2000

PROBABLE COMPOSITION OF TOTAL SOLIDS:

Alkalinity to Phenolphthalein as (CaCO₃) - Nil

Alkalinity to Methylorange as (CaCO₃) - 285.0

Calcium Carbonate - 120.5

Magnesium Carbonate - 138.6

Magnesium Sulphate - 5.1

Magnesium Chloride - 76.3

Sodium Chloride - 433.3

Silica - 1.0

Oxide of Iron & Alumina - 0.5

Potassium Nitrate - 3.2

Combined Water etc. - 1.5

780.0

Silica as SiO₂ - 1.0

Oxide of Iron & Alumina - 0.5

Iron as Fe - 1.0 0.1 0.3

Manganese as Mn - Nil 0.1 0.5

Lime as CaO - 67.5 104.9 279.8

Magnesia as MgO - 34.0 82.9 248.7

Sulphates as SO₃ - 3.4 200 400

Chlorides as Cl - 299.6 250 1000

Nitrates as KNO₃ - 3.2 73.4 73.4

Free Carbonic acid - 0.4 - -

Arsenic-Absent

Colour(Hazen Unit)- Clear

grains per D.L. parts per Max.
gallon PPM. Million: CPHL

HARDNESS IN

Total Hardness 14.34 300 204.1 600

Temporary Hardnes 14.34 204.1

Permanent Hardness Absent Absent

REMARKS:

Bacteriologically: Satisfactory.

Chemically: Satisfactory as per the Limitation of Central Public Health in respect of above Tests and as such it is Fit for Human Consumption.

Site- Piezometer-1


CHIEF EXECUTIVE



Briggs Analytical Bureau

ANALYTICAL TECHNICAL AND CONSULTING CHEMISTS

Off : 2213-2862
Lab : 2334-0565
M : 9339760449
E-mail : shyamsarkar.67@gmail.com
briggssanalyticalbureau@gmail.com

"Commerce House"
2A, GANESH CH. AVENUE,
9th floor, Room No. 7A
KOLKATA-700 013

Laboratory
AA 285, SECTOR-1
Salt Lake City
KOLKATA-700 064

Registration No. L7701

Certificate of Examination

We hereby certify that a sample of "WATER" submitted to us on the 25th April 2023 by and on account of SVAKSHA DISTILLERY LIMITED, Unit- 307, DLF Galleria, Premises No.- 02-124, Action Area- 18, Newtown, Kolkata- 700156, West Bengal, India., has been analysed with the following results:

BACTERIOLOGICAL EXAMINATION:

British Public Health Methods Employed:

Colonies Visible on agar in 1 ml. after 48 hours at 37° C	40	B.P.H.L.	ACCEPTABLE
Probable number of coli aerogenes present in 100 ml	Nil	Max 100	Nil
B. Coli Faecal Type I -	Not Isolated in 100ml of original water		
B. Coli Faecal Type II -	Not Isolated in 100 ml of original water		
Cl. Welchii	Absent in 10 ml of original water	Nil/10ml	

CONDITION OF WATER AT TIME OF ANALYSIS:

	D.L.	MAX.CPHL	Max	D.L.CPHL
Appearance/Colour (Hazen) – Clear	10	50	Sediment – Nil	
Odour- Agreeable	Unobj	Unobj	Reaction PH Value-7.3	6.5/8.5 9.2
Turbidity (NTU) – 6	10	25	Free Cl. (PPM) – Nil	0.2 0.5

RESULTS expressed in parts per Million

ESTIMATION:	D.L.	Max C.P.H.L.	PROBABLE COMPOSITION
Total solids dried at 100°C	487.0	500	OF TOTAL SOLIDS:

Alkalinity to Phenolphthalein as (CaCO ₃)	- Nil	Calcium Carbonate	- 102.3
Alkalinity to Methylorange as (CaCO ₃)	- 280.0	Magnesium Carbonate	- 154.0
		Magnesium Sulphate	- 4.7
		Magnesium Chloride	- 64.7
		Sodium Chloride	- 154.6
		Silica	- 1.1
Silica as SiO ₂	- 1.1	Oxide of Iron & Alumina	- 0.6
Oxide of Iron & Alumina	- 0.6	Potassium Nitrate	- 3.3
Iron as Fe	- 0.1 0.1	Combined Water etc.	- 1.7
Manganese as Mn	- Nil 0.1		487.0
Lime as CaO	- 57.3 104.9		
Magnesia as MgO	- 29.0 82.9		
Sulphates as SO ₃	- 2.1 200		
Chlorides as Cl	- 134.0 250	1000	
Nitrates as KNO ₃	- 3.3 73.4	73.4	
Free Carbonic acid	- 0.4	-	

Arsenic-Absent

Colour(Hazen Unit)- Clear

	grains per	D.L.	parts per	Max.
	gallon	PPM.	Million:	CPHL
HARDNESS IN				
Total Hardness	12.70	300	193.3	600
Temporary Hardnes	12.70		193.3	
Permanent Hardness	Absent		Absent	

REMARKS:

Bacteriologically: Satisfactory.

Chemically: Satisfactory as per the Limitation of Central Public Health in respect of above Tests and as such it is Fit for Human Consumption.

Site- Piezometer-2

J. Anwar
CHIEF EXECUTIVE



Briggs Analytical Bureau

ANALYTICAL TECHNICAL AND CONSULTING CHEMISTS

Off : 2213-2862
Lab : 2334-0565
M : 9339760449
E-mail : shyamsarkar.67@gmail.com
briggssanalyticalbureau@gmail.com

"Commerce House"
2A, GANESH CH. AVENUE,
9th floor, Room No. 7A
KOLKATA-700 013

Laboratory
AA 285, SECTOR-1
Salt Lake City
KOLKATA-700 064

Registration No. L7701

Certificate of Examination

We hereby certify that a sample of "WATER" submitted to us on the 25th April 2023 by and on account of SVAKSHA DISTILLERY LIMITED, Unit- 307, DLF Galleria, Premises No.- 02-124, Action Area- 18, Newtown, Kolkata- 700156, West Bengal, India., has been analysed with the following results:

BACTERIOLOGICAL EXAMINATION:

British Public Health Methods Employed:

B.P.H.L.

ACCEPTABLE

Colonies Visible on agar in 1 ml. after 48 hours at 37° C	40	Max 100
Probable number of coli aerogenes present in 100 ml	Nil	Nil
B. Coli Faecal Type I -	Not Isolated in 100ml of original water	
B. Coli Faecal Type II -	Not Isolated in 100 ml of original water	
Cl. Welchii	Absent in 10 ml of original water	Nil/10ml

CONDITION OF WATER AT TIME OF ANALYSIS:

	D.L.	MAX.CPHL		Max	D.L.CPHL
Appearance/Colour (Hazen) – Clear	10	50	Sediment – Nil		
Odour- Agreeable	Unobj	Unobj	Reaction PH Value-7.3	6.5/8.5	9.2
Turbidity (NTU) – 6	10	25	Free Cl. (PPM) – Nil	0.2	0.5

RESULTS expressed in parts per Million

ESTIMATION:	D.L.	Max C.P.H.L.	PROBABLE COMPOSITION
Total solids dried at 100° C	487.0	500	OF TOTAL SOLIDS:

Alkalinity to Phenolphthalein as (CaCO ₃)	- Nil	Calcium Carbonate	- 102.3
Alkalinity to Methylorange as (CaCO ₃)	- 280.0	Magnesium Carbonate	- 154.0
Silica as SiO ₂	- 1.1	Magnesium Sulphate	- 4.7
Oxide of Iron & Alumina	- 0.6	Magnesium Chloride	- 64.7
Iron as Fe	- 0.1 0.1	Sodium Chloride	- 154.6
Manganese as Mn	- Nil 0.1	Silica	- 1.1
Lime as CaO	- 57.3 104.9	Oxide of Iron & Alumina	- 0.6
Magnesia as MgO	- 29.0 82.9	Potassium Nitrate	- 3.3
Sulphates as SO ₃	- 2.1 200	Combined Water etc.	- 1.7
Chlorides as Cl	- 134.0 250		
Nitrates as KNO ₃	- 3.3 73.4		
Free Carbonic acid	- 0.4 -		

Arsenic-Absent

Colour(Hazen Unit)- Clear

	grains per gallon	D.L. PPM.	parts per Million:	Max. CPHL
HARDNESS IN				
Total Hardness	12.70	300	193.3	600
Temporary Hardnes	12.70		193.3	
Permanent Hardness	Absent		Absent	

REMARKS:

Bacteriologically: Satisfactory.

Chemically: Satisfactory as per the Limitation of Central Public Health in respect of above Tests and as such it is Fit for Human Consumption.

Site- Piezometer-2


CHIEF EXECUTIVE



Briggs Analytical Bureau

ANALYTICAL TECHNICAL AND CONSULTING CHEMISTS

Off : 2213-2862
Lab : 2334-0565
M : 9339760449
E-mail : shyamsarkar.67@gmail.com
briggsanalyticalbureau@gmail.com

"Commerce House"
2A, GANESH CH. AVENUE,
9th floor, Room No. 7A
KOLKATA-700 013

Laboratory
AA 285, SECTOR-1
Salt Lake City
KOLKATA-700 064

Registration No. L/7701

Certificate of Examination

We hereby certify that a sample of "WATER" submitted to us on the 25th April 2023 by and on account of SVAKSHA DISTILLERY LIMITED, Unit- 307, DLF Galleria, Premises No.- 02-124, Action Area- 18, Newtown, Kolkata- 700156, West Bengal, India., has been analysed with the following results:

BACTERIOLOGICAL EXAMINATION:

British Public Health Methods Employed:

Colonies Visible on agar in 1 ml. after 48 hours at 37° C ... 80
Probable number of coli aerogenes present in 100 ml ... Nil
B. Coli Faecal Type I - Not Isolated in 100ml of original water
B. Coli Faecal Type II - Not Isolated in 100 ml of original water
Cl. Welchii - Absent in 10 ml of original water

B.P.H.L. ACCEPTABLE

Max 100
Nil

Nil/10ml

CONDITION OF WATER AT TIME OF ANALYSIS:

Appearance/Colour (Hazen) – Clear
Odour- Agreeable
Turbidity (NTU) – 6

D.L. MAX.CPHL

10 50 Sediment – Nil
Unobj Unobj Reaction PH Value-7.3
10 25 Free Cl. (PPM) – Nil

Max D.L.CPHL

6.5/8.5 9.2
0.2 0.5



RESULTS expressed in parts per Million

ESTIMATION:

Total solids dried at 100°C

D.L. Max C.P.H.L.

- 623.0 500 2000

PROBABLE COMPOSITION OF TOTAL SOLIDS:

Alkalinity to Phenolphthalein as (CaCO₃) - Nil

Alkalinity to Methylorange as (CaCO₃) - 320.0

Silica as SiO₂ - 1.2
Oxide of Iron & Alumina - 0.6
Iron as Fe - 1.2 0.1 0.3
Manganese as Mn - Nil 0.1 0.5
Lime as CaO - 71.6 104.9 279.8
Magnesia as MgO - 36.2 82.9 248.7
Sulphates as SO₃ - 4.8 200 400
Chlorides as Cl - 303.2 250 1000
Nitrates as KNO₃ - 3.4 73.4 73.4
Free Carbonic acid - 0.4 - -

Calcium Carbonate - 127.8
Magnesium Carbonate - 63.5
Magnesium Sulphate - 7.2
Magnesium Chloride - 8.0
Sodium Chloride - 490.0
Silica - 1.2
Oxide of Iron & Alumina - 0.6
Potassium Nitrate - 3.4
Combined Water etc. - 1.3
623.0

Arsenic-Absent

Colour(Hazen Unit)- Clear

grains per D.L. parts per Max, gallon PPM. Million: CPHL

HARDNESS IN

Total Hardness 15.23 300 207.6 600
Temporary Hardness 15.23 207.6
Permanent Hardness Absent Absent

REMARKS:

Bacteriologically: Satisfactory.

Chemically: Satisfactory as per the Limitation of Central Public Health in respect of above Tests and as such it is Fit for Human Consumption.

Site- Piezometer-3

CHIEF EXECUTIVE



Briggs Analytical Bureau

ANALYTICAL TECHNICAL AND CONSULTING CHEMISTS

Off : 2213-2862
Lab : 2334-0565
M : 9339760449
E-mail : shyamsarkar.67@gmail.com
briggsanalyticalbureau@gmail.com

"Commerce House"
2A, GANESH CH. AVENUE,
9th floor, Room No. 7A
KOLKATA-700 013

Laboratory
AA 285, SECTOR-1
Salt Lake City
KOLKATA-700 064

Registration No. LJ7701

Certificate of Examination

We hereby certify that a sample of "WATER" submitted to us on the 25th April 2023 by and on account of SVAKSHA DISTILLERY LIMITED, Unit- 307, DLF Galleria, Premises No.- 02-124, Action Area- 18, Newtown, Kolkata- 700156, West Bengal, India., has been analysed with the following results:

BACTERIOLOGICAL EXAMINATION: British Public Health Methods Employed:

Colonies Visible on agar in 1 ml. after 48 hours at 37° C ... 80
Probable number of coli aerogenes present in 100 ml ... Nil
B. Coli Faecal Type I - Not Isolated in 100ml of original water
B. Coli Faecal Type II - Not Isolated in 100 ml of original water
Cl. Welchii - Absent in 10 ml of original water

B.P.H.L.
ACCEPTABLE
Max 100
Nil

CONDITION OF WATER AT TIME OF ANALYSIS:

Appearance/Colour (Hazen) - Clear
Odour- Agreeable
Turbidity (NTU) - 6

D.L. MAX.CPHL

10 50
Unobj Unobj
10 25

Sediment - Nil
Reaction PH Value-7.3 6.5/8.5 9.2
Free Cl. (PPM) - Nil 0.2 0.5

Nil/10ml
Max
D.L.CPHL



RESULTS expressed in parts per Million

ESTIMATION:

Total solids dried at 100° C

D.L. Max C.P.H.L.
623.0 500 2000

PROBABLE COMPOSITION OF TOTAL SOLIDS:

Alkalinity to Phenolphthalein as (CaCO₃) - Nil
Alkalinity to Methylorange as (CaCO₃) - 320.0

Calcium Carbonate - 127.8
Magnesium Carbonate - 63.5
Magnesium Sulphate - 7.2
Magnesium Chloride - 8.0
Sodium Chloride - 490.0
Silica - 1.2
Oxide of Iron & Alumina - 0.6
Potassium Nitrate - 3.4
Combined Water etc. - 1.3
623.0

Silica as SiO₂ - 1.2
Oxide of Iron & Alumina - 0.6
Iron as Fe - 1.2 0.1 0.3
Manganese as Mn - Nil 0.1 0.5
Lime as CaO - 71.6 104.9 279.8
Magnesia as MgO - 36.2 82.9 248.7
Sulphates as SO₃ - 4.8 200 400
Chlorides as Cl - 303.2 250 1000
Nitrates as KNO₃ - 3.4 73.4 73.4
Free Carbonic acid - 0.4 - -

Arsenic-Absent

Colour(Hazen Unit)- Clear

grains per D.L. parts per Max.
gallon PPM. Million: CPHL

HARDNESS IN

Total Hardness 15.23 300 207.6 600
Temporary Hardnes 15.23 207.6
Permanent Hardness Absent Absent

REMARKS:

Bacteriologically: Satisfactory.

Chemically: Satisfactory as per the Limitation of Central Public Health in respect of above Tests and as such it is Fit for Human Consumption.

Site- Piezometer-3


CHIEF EXECUTIVE



Briggs Analytical Bureau

ANALYTICAL TECHNICAL AND CONSULTING CHEMISTS

Off : 2213-2862
Lab : 2334-0505
M : 9339760449
E-mail : shyamsarkar.87@gmail.com
brlgssanalyticalbureau@gmail.com

"Commerco House"
2A, GANESH CH. AVENUE,
9th floor, Room No. 7A
KOLKATA-700 013

Laboratory
AA 285, SECTOR-1
Salt Lake City
KOLKATA-700 064

Registration No. LJ7701

Certificate of Examination

We hereby certify that a sample of "WATER" submitted to us on the 25th April 2023 by and on account of SVAKSHA DISTILLERY LIMITED, Unit- 307, DLF Galleria, Premises No.- 02-124, Action Area- 18, Newtown, Kolkata- 700156, West Bengal, India., has been analysed with the following results:

BACTERIOLOGICAL EXAMINATION:

British Public Health Methods Employed:

Colonies Visible on agar in 1 ml. after 48 hours at 37^oC ... 40
Probable number of coli aerogenes present in 100 ml ... Nil
B. Coli Faecal Type I - Not Isolated in 100ml of original water
B. Coli Faecal Type II - Not Isolated in 100 ml of original water
Cl. Welchii - Absent in 10 ml of original water

B.P.H.L.
ACCEPTABLE
Max 100
Nil

CONDITION OF WATER AT TIME OF ANALYSIS:

Appearance/Colour (Hazen) - Clear
Odour- Agreeable
Turbidity (NTU) - 1

D.L. MAX.CPHL

10 50
Unobj Unobj
10 25

Sediment - Nil
Reaction PH Value-7.1 6.5/8.5 9.2
Free Cl. (PPM) - Nil 0.2 0.5

Nil/10ml
Max
D.L.CPHL



RESULTS expressed in parts per Million

ESTIMATION:

Total solids dried at 100^oC

D.L. Max C.P.H.L.
565.0 500 2000

PROBABLE COMPOSITION OF TOTAL SOLIDS:

Alkalinity to Phenolphthalein as (CaCO₃) - Nil
Alkalinity to Methylorange as (CaCO₃) - 275.0

Calcium Carbonate - 91.2
Magnesium Carbonate - 154.9
Magnesium Sulphate - 3.1
Magnesium Chloride - 57.6
Sodium Chloride - 253.7
Silica - 0.5
Oxide of Iron & Alumina - 0.2
Potassium Nitrate - 2.8
Combined Water etc. - 1.0
565.0

Silica as SiO₂ - 0.5
Oxide of Iron & Alumina - 0.2
Iron as Fe - 0.5 0.1 0.3
Manganese as Mn - Nil 0.1 0.5
Lime as CaO - 51.1 104.9 279.8
Magnesia as MgO - 26.1 82.9 248.7
Sulphates as SO₃ - 3.4 200 400
Chlorides as Cl - 196.8 250 1000
Nitrates as KNO₃ - 2.8 73.4 73.4
Free Carbonic acid - 0.09 - -

Arsenic-Absent

Colour(Hazen Unit)- Clear

grains per D.L. parts per Max.
gallon PPM. Million: CPHL

HARDNESS IN

Total Hardness 10.92 300 156.0 600
Temporary Hardnes 10.92 156.0
Permanent Hardness Absent Absent

REMARKS:

Bacteriologically: Satisfactory.

Chemically: Satisfactory as per the Limitation of Central Public Health in respect of above Tests and as such it is Fit for Human Consumption.

Site- Piezometer-4


CHIEF EXECUTIVE

**Submission of Form - V (See Rule 14) Environmental Statement for the Financial Year Ending 31.03.2023**

1 message

Svaksha GM Commercial <gm.commercial@svaksha.co.in>

Sat, Oct 7, 2023 at 4:01 PM

To: iro.kolkata-mefcc@gov.in
Cc: ms.wbpcb-wb@bangla.gov.in
Bcc: kmg@mittalgroup.co.in

Respected Madam/ Sir,

Please find attached scanned copy of Form - V, (See Rule 14) Environmental Statement for the Financial Year Ending as on 31.03.2023. as it is a statutory requirement.

Thanks & Regards

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R.K. PANDEY
GM-COMMERCIAL

Svaksha Distillery Ltd |Kharagpur Unit |Dag 1288& others, Mouza-Dakshin Simla, JL-355,P.O-
Changual, P.S- Kharagpur Local, Pachim Medinipur-721301 Email:gm.commercial@svaksha.co.in
Mobile:-8100108318

Svaksha
DISTILLERY LIMITED
Subsidiary of
BCL INDUSTRIES LTD

THINK GREEN BEFORE YOU PRINT

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Form V as on 31.03.2023.pdf
1557K

FORM V
(See Rule 14)

Environmental Statement for the financial year ending on 31st March 2023.

PART A

- (i) Name and address of the owner/occupier of the industry operating or Process, Mr. S.S. Tomar (Executive Director) **Svaksha Distillery Limited, Mouza: Dakshin Simla, JL-355, P.O. Changaul, P.S. Kharagpur Local, Distt.: Paschim Medinipur - 721301**
- (ii) Industry category Primary-(STC Code) Secondary-(STC Code) - Large
- (iii) Production capacity-Units **200 KLPD Grain Based Ethanol/ENA Plant**
- (iv) Year of establishment: **2022**
- (v) Date of the last environmental statement submitted: **19.06.2023**

PART B

Water and Raw Material Consumption

- 1. Water consumption m3/d
- Process: 709 m3/d
- Cooling: 645 m3/d
- Domestic: 20 m3/d

Name of products	Process water consumption per unit of product output	
	During the previous Financial year (2021-22)	During the current financial year (2022-23)
	(1)	(2)
(1) ENA/ Ethanol	Nil	6.77 m3/kl
(2)		
(3)		

2. Raw materials consumption:

*Name of raw materials	Name of products	Consumption of raw material per unit	
		During the previous financial year 2021-22	During the Current financial year 2022-23
Grain	ENA / Ethanol	Nil	67159.839 MT
Enzymes	-Do-	Nil	1.70Kg/KL of ENA
Sodium hydroxide	-Do-	Nil	1.05Kg/ KL of ENA
Yeast	- Do-	Nil	0.340Kg/KL of ENA
Biomass consisting of Rice Husk etc.	Power & steam	Nil	1.35 MT/KL of ENA



***Industry may use codes if disclosing details of raw materials would violate contractual obligations, otherwise all industries have to name the raw materials used.**

3. PRODUCTS Details

Sr.No.	Product	Unit	Installed Capacity	Actual Production 2021-22	Actual Production 2022-23
1	ENA	KL/day	200	Nil	3046443 Ltrs
2	Ethanol	KL/day		Nil	26812437 Ltrs
3	By Product:				
A	CO2	MT/day	150	Nil	562.380 MT
B	DDGS	MT/day	100	Nil	9712.750 MT
C	Fusel Oil	KL/day	2	Nil	45027 Ltrs

4. FUEL CONSUMPTION Details

Sr.No.	Type of Fuel	Consumption F.Y. 2022-23
1	Diesel for D.G.Set	82904.83 LTR
2	Rice Husk for Boiler	51397.635 MT

PART C

Pollution discharged to environment/ unit of output.

(Parameter as specified in the consent issued)

Pollution	Quantity of pollutants Discharged (mass/day)	Concentration of pollutants in discharges (mass/ volume)	Percentage of variation from prescribed standards with reasons
(a) Water	NIL		
pH	N.A.	8.5	Within prescribed standard
TSS	N.A.	24	Within prescribed standard
Oil & Grease		BDL	Within prescribed standard
BOD		6.25	Within prescribed standard
COD		27.22	Within prescribed standard
(b) Air		Sample collection	SPM 20.42 mg/ Nm3
Stack		On 21.06.2023	
Emission			
Analysis			



PART D

Hazardous Wastes

(as specified under Hazardous Wastes (Management and Handling) Rules, 1989)

Hazardous Wastes	Total Quantity(Kg)	
	During the previous financial year 2021-22	During the current financial year 2022-23
(a) From process	NIL	NIL
(b) From pollution control facilities.	NIL	NIL

PART E

Solid Wastes

	Total Quantity	
	During the previous Financial year 2021-22	During the current financial year 2022-23
(a) From process (Rice Husk Ash)	NIL	8738 MT
(b) From pollution control Facility	NIL	NIL
(c) (1) Quantity recycled or re-utilized within the unit		
(2) Sold: Fly Ash to Brick Manufacturer & Land filling		8738 MT
(3) Disposed		



PART F

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

Waste	Composition	Disposal Practice
Hazardous Waste		
Used oil/Spent oil	Used oil generated from the generator during its servicing, the oil contains hydrocarbons and ash impurities, due to regular use.	Generated spent oil is disposed off as per the guideline of SPCB
Solid Waste		
Fly ash from the boiler	Fly ash contains mainly silica 90% and the remaining part includes fixed carbon, oxides of Ca, Mg etc	The Fly ash given to Bricks Manufacturers & Land Filling

PART G

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

The Management of Svaksha Distillery Limited (Distillery Unit) is aware to the necessity of conversion of natural's resources.

The use of treated waste water for landscaping purposes has resulted in reduced fresh water demand.

Industry is using biomass as source of energy for the boiler furnace.

Industry has adopted the CHP for the process; it is giving optimum thermal efficiency and reducing the thermal load on the atmosphere.

Integrated MEE operation has eliminated the impact of spent wash on the environment and simultaneously produces high protein cattle feed.

Biomass based fly-ash utilization for manufacturing of Bricks.

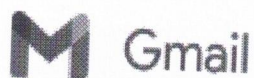
PART H

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

PART I

Any other particulars for improving the quality of the environment.





Svaksha GM Commercial <gm.commercial@svaksha.co.in>

Six Monthly Compliance Report Period Ending 31.03.2023

1 message

Svaksha GM Commercial <gm.commercial@svaksha.co.in>

To: iro.kolkata-mefcc@gov.in

Mon, Jun 19, 2023 at 2:52 PM

Cc: ms.wbpcb-wb@bangla.gov.in, shruti.rai@nic.in, Executive Director Svaksha Distillery <ed@svaksha.co.in>, Svaksha GM Commercial <gm.commercial@svaksha.co.in>

Bcc: kmg@mittalgroup.co.in

Respected Madam/Sir,

Please find attached scanned copy of Six Monthly Compliance Report along with the Annexures for the period ending by 31.03.2023, as per guidelines of MoEF & CC.

Thanks & Regards

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Svaksha
DISTILLERY LIMITED
Subsidiary of
BCL INDUSTRIES LTD

R.K. PANDEY
GM-COMMERCIAL

Svaksha Distillery Ltd | Kharagpur Unit | Dag 1288& others, Mouza-Dakshin Simla, JL-355,P.O-
Changual, P.S- Kharagpur Local, Pachim Medinipur-721301 Email:gm.commercial@svaksha.co.in
Mobile:-8100108318

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SIX MONTHLY COMPLIANCE SDL WB 19.06.2023.pdf
10726K

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BENGAL BADMINTON ACADEMY

(Recognised Under Section 12AA & 80G of Income Tax Act.)

A Registered Trust for promotion and development of Badminton in West Bengal.



RECEIPT

RECEIVED WITH THANKS FROM SVAKSHA DISTILLERY LIMITED, KHARAGPUR, PIN - 721301, WEST BENGAL ,A SUM OF RS. 10, 00,000.00 (RUPEES TEN LAKHS ONLY) ON 30/06/2023 BY CHEQUE DRAWN ON UNION BANK OF INDIA BEARING # 038812 DATED 24/06/2023 PAID AS DONATION UNDER CSR ACTIVITIES TO BENGAL BADMINTON ACADEMY (PAN: AABTB3949A) FOR BADMINTON COURT WOODEN FLOORING OF SHUTTLE EXPRESS BADMINTON STADIUM.

For BENGAL BADMINTON ACADEMY

MANAGING TRUSTEE



DATED: 04.07.2023



SVAKSHA DISTILLERY LIMITED
JL-355, Dakshin Simla, P.O. Changual,
Kharagpur, Paschim Medinipur,
West Bengal,
West Bengal - 721301, India
State Name : West Bengal, Code : 19
CIN: U74900WB2014PLC202126
E-Mail : accounts@svaksha.co.in

UBI CC A/c Payment Voucher

No. : **CC P/2324/8**
Ref. : **S27465940 dt. 19-Aug-23**

Dated : **19-Aug-23**

Through : Union Bank of India Cash Credit A/c Kharagpur

Particulars	Amount
Account : Charity & Donation	50,000.00
On Account of : Amount 50000/-Paid to Majida Khatun for Higher Study in Malaysia Chq No - 018079 Dtd - 19/08/2023 TRF Through NEFT.	
Bank Transaction Details: Cheque 018079 19-Aug-23 50,000.00	
Amount (in words) : Rs Fifty Thousand Only	
	₹ 50,000.00

Receiver's Signature:

Authorised Signatory