



## Uttar Pradesh Pollution Control Board

Building. No TC-12V Vibhuti Khand, Gomti Nagar, Lucknow-226010

Phone:0522-2720828,2720831, Fax:0522-2720764, Email: info@uppcb.in, Website: www.uppcb.com

**Category : RED**

**Application Id : 28997967**

**226054/UPPCB/MuzaffarNagar(UPPCBRO)/CTO/both/MUZAFFARNAGAR/2024**

**Date: 04/02/2025**

**To,**

**M/s**

### **INDIAN POTASH LIMITED DISTILLERY UNIT**

**Rohana kalan, Village - Bahedi, P.O. Rohana Mill, Block- Charthawal, Tehshil and District - Muzaffarnagar, (U.P.) , Pin- 251202,MUZAFFARNAGAR,251202**

**Consolidated Consent to Operate and Authorisation hereinafter referred to as the CCA (Consolidated Consent & authorization) (Fresh) under Section-25 of the Water (Prevention & Control of Pollution) Act, 1974 and under Section-21 of the Air (Prevention & Control of Pollution) Act, 1981**

CCA is hereby granted to **INDIAN POTASH LIMITED DISTILLERY UNIT** located at **Rohana kalan, Village - Bahedi, P.O. Rohana Mill, Block- Charthawal, Tehshil and District - Muzaffarnagar, (U.P.) , Pin- 251202,MUZAFFARNAGAR,251202**. subject to the provisions of the Water Act, Air Act and the orders that may be made further and subject to following terms and conditions :-

1. This CCA INDIAN POTASH LIMITED DISTILLERY UNIT granted for the period from **01/01/2025 to 31/12/2026** and valid for manufacturing of following products.

<b>S No</b>	<b>Product</b>	<b>Quantity</b>	<b>Unit</b>
1	RS/ENA/AA - 65.3 KLD	65.3 KLD	Kilo Liters/Day
2	CO-GEN POWER- 2.0 MW	02 MW	Megawatt

#### **2. Conditions under Water(Prevention and Control of Pollution) Act -1974 as amended :-**

(i) The daily quantity of effluent discharge (KLD) :-

<b>Kind of Effluent</b>	<b>Quantity(KLD)</b>	<b>Treatment facility</b>	<b>Discharge point</b>
<b>Domestic</b>	<b>12 KLD</b>	<b>Septic Tank</b>	
<b>Industrial</b>	<b>ZLD</b>	<b>ETP</b>	<b>ZLD</b>

(ii) Trade Effluent Treatment and Disposal :-The applicant shall operate Effluent Treatment Plant consisting of primary/secondary and tertiary treatment as is required with reference to influent quantity and quality.

In case of stoppage of functioning of ETP, production has to be stopped immediately and this Board has to be intimated by fax/phone/email with a report in this regard to be dispatched immediately.

(iii) The treated effluent shall be recycled to the maximum extent and should be reused within the premises for gardening etc. Quality of the treated effluent shall meet to the following general and specific standards as prescribed under Environment (Protection) Rules, 1986 and applicable to the unit from time-to-time :-

#### **Industrial Effluent Quality Standard**

**PRAVEEN  
KUMAR**

Digitally signed by  
PRAVEEN KUMAR  
Date: 2025.02.07  
18:42:07 +05'30'

S.No.	Parameter	Standard
-------	-----------	----------

(iv) Sewage Treatment and Disposal :- The applicant shall provide comprehensive STP as is required with reference to influent quantity and quality. In case of stoppage of functioning of STP, production has to be stopped immediately and this Board has to be intimated by fax/phone/email with a report in this regard to be dispatched immediately.

(v) The treated sewage shall be reused in gardening as far as possible. The STP shall be maintained continuously so as to achieve the quality of the treated sewage to the following standards.

S No.	Parameters	Standards
-------	------------	-----------

### 3. Conditions under Air (Prevention and Control of Pollution) Act -1981 as amended :-

i) The applicant shall use following fuel and install a comprehensive control system consisting of control equipment as required with reference to generation of emissions and operate and maintain the same continuously so as to achieve the level of pollutants to the following standards.

#### Air Pollution Source Details

S No.	Air Pollution Source	Type of fuel	Stack no	Control Device	Height of Stack
1	22 TPH capacity Slop Fired Boiler	Low sulphur Coal-60 MTD or Rice Husk-70 MTD and Slop-166 Cubic Meter/Day	1	Particulate Matter	Dust Collector, ESP and 70 Meter stack height from ground level

#### Emmission Quality Standards

S No.	Stack no	Parameters	Standards
1	1	Particulate Matter	As per CAQM direction

In case of stoppage of functioning of air pollution control equipment, production has to be stopped immediately and this Board has to be intimated by fax/phone/email with a report in this regard to be dispatched immediately

(ii) The unit will not use any type of restricted fuel.

iii) Noise from the D.G. Set and other source(s) should be controlled by providing an acoustic enclosure as is required for meeting the ambient noise standards for night and day time as prescribed for respective areas/zones (Industrial, Commercial, Residential, Silence) which are as follows :-

Day time : from 6.00 a.m. to 10.00 p.m., Night time: from 10.00 p.m. to 6.00 a.m.

Standards for Noise level in db(A) Leq	Industrial Area		Commercial Area		Residential Area		Silence Zone	
	Day Time	Night Time	Day Time	Night Time	Day Time	Night Time	Day Time	Night Time
	75	70	65	55	55	45	50	40

#### **4. Essential documents to be submitted by the Industry/Unit as Applicable :-**

- (i) Environment Statement in Form-V of Environment (Protection) Rules, 1986.
- (ii) Quarterly compliance report of the CCA, photograph of ETP/APCs/Waste Storage Area.

5. Competent Authority reserves the right to change/modify/add any time any condition of this CCA.

6. Unit has to comply with the following specific & general conditions. Non compliance of any provision of this CCA and provisions of the Water Act, Air Act and Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 will result in legal action under the aforesaid Acts and Rules.

7. In compliance to the G.O 1011/81-7-2021-09 (Writ)/2016 dated 13.10.2021 issued by Department of Environment, Forest and Climate Change, Uttar Pradesh. You are directed to develop Miyawaki Forest as per the SOP available at URL:-<http://www.upecp.in/TrainingSession.aspx> for ensuring timely compliance of this direction, you are hereby directed to submit a bank guarantee with minimum validity of one year of the amount equivalent to the sum of initial consent fees (Air and Water) or Rs. 50,000/- (Rs. Fifty Thousand Only) whichever is more, within 30 days from the date of issuance of this certificate. In case of non-compliance of this direction, your consent will be revoked by the Board.

8. If the unit uses the ground water and requires the permission from SGWA/CGWA for water abstraction then the industry will have to obtain No objection certificate for abstraction of ground water. It will be the responsibility of the industry to comply with the various conditions of the NOC obtained from the competent authority and submit to the Board, within 3 months time failing which CTO will be revoked.

#### **General Conditions:-**

1. The applicant shall get analysed the samples of effluent/emission/hazardous wastes at least once in a three month from the laboratory recognized by the MoEF and shall report to the UPPCB.

2. The applicant shall however, not without the prior consent of the Board bring into use any new or altered outlet for the discharge of effluent or gases emission or sewage waste from the unit.

3. Treated Industrial waste water and domestic waste water shall be disposed jointly at one disposal point. The applicant shall provide discharge measurement equipment at final disposal point.

4. The applicant shall strictly comply with conditions of this CCA and submit compliance report of stipulated conditions within 30 days of receipt of this CCA. If at any point of time, it is found that the industry is not complying with stipulated conditions or any further direction/instruction issued by the Board, legal action shall be initiated against the applicant.

5. The applicant shall maintain good house keeping. All valves/pipes/sewer/drains etc. must be leak-proof

6. The industry shall provide uninterrupted entry to the STP/ETP inlet and outlet points, Air Pollution Control equipment and stack for smooth sampling/monitoring of efficiency of pollution control systems.

7. The industry shall provide Inspection Book at the time of inspection to the Board's officials.

8. Whenever due to any accident or other unforeseen act or event, such emission occurs or is apprehended to occur in excess of standards laid down, such information shall be reported to the Board's offices and all other concerned offices. In case of failure of pollution control equipment, the production process connected to it shall be stopped with immediate effect.

9. The industry shall operate in a manner so that all emissions be emitted through designated chimney/stack only.

10. In case of any damage to the agriculture productivity, human habitation etc. by the operation of industry, it shall be imperative to stop production in the industry with immediate effect and such information shall be reported to Board's offices. The industry shall be liable to pay compensation also in such cases as decided by the Competent Authority.

11. The applicant shall apply before the 60 days of expiry of CCA or any change in production types/production capacity/manufacturing process/capacity enhancement etc. or any change in effluent discharge point or emission point

12. The Board reserves the right to revoke/add/modify any stipulated condition issued along with CCA, as may be necessary.

**Specific Conditions:-**

1- This CTO is valid only for the production capacity of RS/ENA/AA - 65.3 KLD and CO-GEN POWER-2.0 MW. by using C HEAVY MOLASSES - 284 MT/DAY OR B-HEAVY MOLASSES-200 MT/DAY OR SUGAR SYRUP-218 MT/DAY as a main raw material.

2- The industry shall comply with NOC issued by UPGWD for ground water abstraction.

3- This consent is valid only for Zero Liquid Discharge (ZLD).

4- In case of any change in production capacity, process, raw material use etc. the industry will have to intimate the Board. For any enhancement of the above, fresh Consent to Establish has to be obtained from U.P. Pollution Control Board.

5- The unit shall maintain strict supervision upon fluctuations in operating parameters with respect to each treatment unit of the Effluent treatment plant.

6- Unit shall comply with CAQM direction no. 65 regarding approved fuel and direction regarding operation of DG sets.

7- The E.T.P. unit operation line up Strengthening is to be maintained.

8- Unit must installed STP for treatment of domestic effluent and submit compliance in the Board within a Month.

9- The Unit shall install Piezometer for measurement of ground water level and the data generated from Piezometer will be provided to the SPCB on monthly basis.

10- Bio Composting shall not be done in the industry. The spent wash generated from the industry shall be used completely in MEE with High Bricks Concentration System (HBCS) and in Slop Fired Boiler. No effluent is allowed to discharge outside the factory premises.

11- All generate thin Slope shall be used in MEE with High Bricks Concentration System (HBCS) and Slop Fired Boiler.

12- Industry shall submit monitoring reports of all stacks and ambient air quality from a certified / approved laboratory under E.P. Act 1986 within a month and on quarterly basis.

13- Flow meter to be installed in all water abstraction points and usage of fresh water to be minimized.

14- The industry shall strictly comply with conditions mentioned in the charter on CREP prepared by CPCB.

15- Industry shall maintain Online Continuous Effluent and emission Monitoring System (OCEMS) on ETP and stack & connect it with SPCBs and CPCB server, before start of production as per the direction of CPCB.

16- Industry shall install PTZ camera at each strategic location such as MEE, effluent storage lagoon etc. for monitoring purpose. The URLs and password shall be provided to the Board.

17- Industry shall ensure the compliance of office memorandum dated 28.08.2019 issued by MoEF&CC, Govt. of India and detail of Fly ash disposal shall be submitted on quarterly basis to UPPCB.

18- The unit shall submit the audited balance sheet for the current year and the details of fees deposited during last three years within a month.

19- The industry shall install electromagnetic flow meter at water source and outlet of ETP, and maintain the records of water abstracted and recycled treated effluent. The treated effluent from the Effluent Treatment Plant shall be used completely in the manufacturing process.

20- Industry shall abide by orders / directions issued by Hon'ble Supreme court Hon'ble High Court, Hon'ble National Green tribunal, Central Pollution Control Board and U.P Pollution Control Board for protection and safe guard of environment from time to time.

21- Industry shall comply with various provisions of Air (Prevention and Control of Pollution) Act 1981 as amended, Water (Prevention and Control of Pollution) Act 1974 as amended and all other applicable rules notified under E.P. Act 1986.

22- The industry shall comply the provisions of Hazardous and Other Waste (Management and Transboundary Movement) Rules 2016 and shall obtain authorization for the disposal of hazardous waste.

23- The industry shall ensure provisions of Roof Top Rain Water Harvesting system and Ground Water Recharging Proposal/ compliance report should be sent to the Board within One month.

24- The industry shall provide adequate arrangement for fighting the accidental leakages/discharge of any air pollutant/gas/liquid from the vessel, machinery etc. which are likely to cause fire hazard including environmental pollution.

25- If UPPCB or CPCB issues closure order against the industry, this consent shall remain suspended for the period till closure order is revoked, after which the consent will be effective again for the remaining period.

26- The storage capacity of the lagoons installed for more than 7 days holding capacity of the concentrated spent wash shall be dismantled within one months and progress submitted to the Board.

27- Any source of emission other than that mentioned in the consent seeking application will not be permitted by the Board.

28- The industry should ensure the operation of the air pollution control system (APCS) in such a manner that the air emission confirms with the Particulate Matter standard as per CAQM direction.

29- Industry shall submit Environmental Statement in prescribed format as per rule no.14 as per E.P Rules 1986.

30- The APCS will be maintained and operated in such a manner that emissions always conform to the applicable standard.

31- Industry shall submit monthly monitoring reports of all stacks and ambient air quality from a certified / approved laboratory under E.P. Act 1986.

32- The unit shall obtain prior consents in the event of any addition of new emission generation sources such as- Boiler/ Furnace/ Heaters/ D.G. Sets or alteration of existing emission sources in accordance with section- 21/22 of air Act 1981 (as amended respectively).

33- In compliance with the Hon'ble Supreme Court order passed in W.P. (civil) No. 13029/1985 M.C. Mehta Vs. Union of India and ors. the use of Pet coke and furnace oil is prohibited.

34- The use of Pet coke and Furnace oil as a fuel in the factory is restricted in compliance of the Hon'ble Supreme court order.

35- Proper dust control measures shall be taken during construction and provisions of Construction and Demolition Waste Management Rules 2016 shall be effectively implemented and submit report to Board.

36- Minimum 33% of the land on which industry is established will be covered by the plantation of tall trees of suitable species as per the guidelines set up by the Board vide its Office Order no.H16405/220/2018/02 dt. 16/02/2018.

**PRAVEEN** Digitally signed by  
**KUMAR** PRAVEEN KUMAR  
Date: 2025.02.07  
18:42:27 +05'30'

**Environmental Engineer**  
**Incharge Circle-3**

Copy to:

Regional Officer, UPPCB, Muzaffarnagar.

**PRAVEEN** Digitally signed by  
**KUMAR** PRAVEEN KUMAR  
Date: 2025.02.07  
18:42:37 +05'30'

**Environmental Engineer**  
**Incharge Circle-3**



## मिशन LiFE - पर्यावरण के लिए जीवन शैली (Lifestyle For Environment ) जनसहभागिता का सन्देश



- स्वच्छता – देशसेवा में अपने परिवेश की स्वच्छता हेतु अपना सक्रिय योगदान सुनिश्चित करें
- संकल्प लें - एकल उपयोग प्लास्टिक उत्पाद जैसे कप, तश्तरी, चम्मच, स्ट्रॉ, ईयरबड्स आदि का उपयोग न हो एवं पर्यावरण अनुकूल विकल्पों जैसे कागज/पत्तों से बने दोने या कटलरी को प्राथमिकता दी जाय ।
- एकल उपयोग प्लास्टिक उत्पाद के प्रयोग को रोकने एवं प्लास्टिक बैग के बजाय कपड़े के थैले का उपयोग करने मात्र से 375 मिलियन टन ठोस (प्लास्टिक) कचरे का उत्सर्जन बचाया जा सकता है
- चक्रीय अर्थव्यवस्था (सर्कुलर इकोनॉमी) का समुचित कार्यान्वयन वर्ष 2030 तक लगभग 14 लाख करोड़ रुपये की अतिरिक्त बचत उत्पन्न कर सकता है | वेस्ट /अपशिष्ट फेकने के पूर्व सोचें, ये किसी का संसाधन तो नहीं ...?
- अनुपयोगी इलेक्ट्रिक / इलेक्ट्रॉनिक उत्पाद को कचरे में फेकने से रुकें | इसके उपयुक्त निस्तारण हेतु इसे प्राधिकृत ई-वेस्ट रीसाइक्लर को दें | प्राधिकृत ई-रीसाइकिंग इकाई में अनुपयोगी इलेक्ट्रिक / इलेक्ट्रॉनिक उत्पाद को देने मात्र से 0.75 मिलियन टन तक ई-कचरे का पुनर्चक्रण किया जा सकता है एवं ई-कचरे के विषम पर्यावरणीय दुष्प्रभाव से बचा जा सकता है
- बाहर जाते समय - सोचें कि क्या आपको वास्तव में परिवहन की आवश्यकता है - वह भी क्या व्यक्तिगत रूप से ? छोटी दूरी के लिए पैदल चलना पसंद करें, अथवा सम्भव हो तो कार पूल के रूप में संसाधन को साझा करें अथवा सार्वजनिक परिवहन पर विचार करें
- घरेलू स्तर पर कम से कम ठोस अपशिष्ट का उत्सर्जन करें और इनका प्र्याक्षीकरण करें
- उपयोगी शेष खाद्य सामग्री आपके स्वयं प्रयास अथवा निकटस्थ सक्रिय स्वयं सेवी संस्थाओं की सहायता से समाज के वंचित वर्ग तक पहुंचाई जा सकती है | वहीं अनुपयोगी भोजन /खाद्य सामग्री को कंपोस्ट (वर्मी कम्पोस्ट) करने से 15 अरब टन भोजन को नष्ट होने से बचाया जा सकता है
- ध्यान रखें - उपयुक्त नल और शावर के उपयोग से पानी की खपत को 30 - 40% तक कम किया जा सकता है। एवं उपयोग में न होने पर नलों को बंद रखने मात्र से 9 ट्रिलियन लीटर पानी बचाया जा सकता है
- ट्रैफिक लाइट/रेलवे क्रॉसिंग पर कार/स्कूटर के इंजन बंद करने मात्र से 22.5 विलियन kWh तक ऊर्जा की बचत हो सकती है
- परम्परागत बल्ब के स्थान पर CFL का उपयोग विजली की खपत में प्रभावी कमी लाते हैं | उपयोग में न होने पर विजली उपकरणों को बंद करें | स्टार रेटेड विद्युत उपकरणों के उपयोग को प्राथमिकता दें

हमारे द्वारा अपनी जीवन शैली की प्राथमिकताओं का उचित और पर्यावरण अनुकूल पुनर्निर्धारण समाज और पर्यावरण के प्रति हमारा दायित्व है।



**UTTAR PRADESH POLLUTION CONTROL BOARD**  
**Building. No TC-12V Vibhuti Khand, Gomti Nagar, Lucknow-226010**  
**Phone:0522-2720828,2720831, Fax:0522-2720764, Email: info@uppcb.com, Website: www.uppcb.com**

**Validity Period :25/10/2020 To 24/10/2025**

**Ref No. -**  
**107490/UPPCB/MuzaffarNagar(LAB)/CTE/MUZAFFARNAGAR/2020**

**Dated:- 03/11/2020**

**To ,**

Shri Indian Potash Ltd. (Rohana Unit: Distillery)

M/s Indian Potash Ltd Rohana Unit Distillery

Village Rohana Mill, Block Charthawal, Tehsil District Muzaffarnagar (U.P.), MUZAFFAR NAGAR, 251202

MUZAFFARNAGAR

**Sub : Consent to Establish for New Unit/Expansion/Diversification under the provisions of Water (Prevention and control of pollution) Act, 1974 as amended and Air (Prevention and control of Polution) Act, 1981 as amended.**

Please refer to your Application Form No.- 9844207 dated - 16/10/2020. After examining the application with respect to pollution angle, Consent to Establish (CTE) is granted subject to the compliance of following conditions :

1. Consent to Establish is being issued for following specific details :

A- Site along with geo-coordinates :

B- Main Raw Material :

<b>Main Raw Material Details</b>		
<b>Name of Raw Material</b>	<b>Raw Material Unit Name</b>	<b>Raw Material Quantity</b>
Molasses & Sugarcane Syrup 284 MT/DAY of C- Molasses or 200 MT/Day of B-Heavy Molasses or 218 MT/Day of 50% Sugar Syrup	Metric Tonnes/Day	.

C- Product with capacity :

<b>Product Detail</b>	
<b>Name of Product</b>	<b>Product Quantity</b>
Distillery Unit: 65.3 KLD (RS/ENA/AA)	.
2 MW POWER	.

D- By-Product if any with capacity :

<b>By Product Detail</b>			
<b>Name of By Product</b>	<b>Unit Name</b>	<b>Licence Product Capacity</b>	<b>Install Product Capacity</b>
.	Metric Tonnes/Day	.	.

E- Water Requirement (in KLD) and its Source :

<b>Source of Water Details</b>		
<b>Source Type</b>	<b>Name of Source</b>	<b>Quantity (KL/D)</b>
River	Rohana minor canal	445.0

F- Quantity of effluent (In KLD) :

<b>Effluent Details</b>	
<b>Source Consumption</b>	<b>Quantity (KL/D)</b>
Industrial	445.0
Domestic	20.0

G- Fuel used in the equipment/machinery Name and Quantity (per day) :

<b>Fuel Consumption Details</b>		
<b>Fuel</b>	<b>Consumption(tpd/kld)</b>	<b>Use</b>
Coal	60	USED AS FUEL IN SLOP FIRED BOILER
Others	166	USED AS FUEL IN SLOP FIRED BOILER

For any change in above mentioned parameters, it will be mandatory to obtain Consent to Establish again. No further expansion or modification in the plant shall be carried out without prior approval of U.P. Pollution Control Board.

2. You are directed to furnish the progress of Establishment of plant and machinery, green belt, Effluent Treatment Plant and Air pollution control devices, by 10th day of completion of subsequent quarter in the Board.
3. Copy of the work order/purchase order, regarding instruction and supply of proposed Effluent Treatment Plant/Sewerage Treatment Plant /Air Pollution control System shall be submitted by the industry within three months to the Board.
4. Industry will not start its operation, unless CTO is obtained under water (Prevention and control of Pollution) Act, 1974 and Air (Prevention and control of Pollution) Act, 1981 from the Board.
5. It is mandatory to submit Air and Water consent Application complete in all respect, four months before start of operation, to the U.P. Pollution Control Board.
6. Legal action under water (Prevention and control of Pollution) Act, 1974 and Air (Prevention and Control of Pollution) Act, 1981 may be initiated against the industry without any prior information, in case of non compliance of above conditions.
7. The industry shall install facilities to ensure Zero Liquid Discharge (ZLD) such as Multi Effect Evaporator (MEE), Condensate Polishing Unit(CPU) and Slop/ incineration boiler etc .
8. Industry shall develop proper green belt and rain water harvesting system as per guidelines. For green belt at least 8 feet height plants should be planted which shall be properly protected as proper irrigation and maturing arrangements shall be made. For the development of the green belt the guidelines issued vide Board office order no. H10405/220/2018/02 Dt. 16-02-2018 shall be complied.

#### **Specific Conditions:**

1. This Consent to Establish is valid for the production of Rectified Spirit/ENA/Absolute Alcohol- 65.3 KL/Day and Co-Generation-2 MW. In case of any change in production capacity, process, raw materials use etc. the industry will have to intimate the Board. For any enhancement of the above, fresh Consent to Establish has to be obtained from U.P.Pollution Control Board.
2. Industry shall comply the all condition of Environmental Clearance from SEIAA vide letter No. 395/Parya/SEAC/5764-5646/2019 dated-14.10.2020.
3. The industry shall install 22 TPH Slope Fired Boiler with ESP and 70 mt. stack height as APCS. The APCS will be maintained and operated in such a manner that emissions always conform to the standard laid down under the E.P Act 1986 as amended.
4. Industry shall maintain Online Continuous Effluent and emission Monitoring System (OCEMS) on ETP and stack & connect it with SPCBs and CPCB server, before start of production as per the direction of CPCB.
5. Industry shall comply the order passed by Hon'ble NGT time to time.
6. The industry shall install electromagnetic flow meter at water source and outlet of ETP, and maintain the records of water abstracted and recycled treated effluent. The treated effluent from the Effluent Treatment Plant shall be used completely in the manufacturing process. This CTE is valid only for Zero Liquid Discharge (ZLD).
7. The industry shall comply the provisions of Hazardous and Other Waste (Management and Transboundary Movement) Rules 2016 and shall obtain authorization for the disposal of hazardous waste.
8. Industry shall provide the NOC of the Irrigation Department for the Canal Water supply. No bore well shall be dig inside the factory premises for ground water abstraction. Industry shall use only surplus water of sugar unit and Canal Water for the manufacturing process.
9. The industry shall ensure provisions of Roof Top Rain Water Harvesting system and Ground Water Recharging Proposal/ compliance report should be sent to the Board within One month.
10. The industry shall provide adequate arrangement for fighting the accidental leakages/ discharge of any air pollutant/gas/liquid from the vessel, machinery etc. which are likely to cause fire hazard including environmental pollution.
11. Unit must ensure strict time bound compliance of suggestion/recommendation of "Charter for Water Recycling & Pollution Prevention in Distillery Industries" formulated by CPCB.
12. Industry shall make a correction in the environmental clearance obtained by SEIAA vide letter No. 395/Parya/SEAC/5764-5646/2019 dated-14.10.2020 in place of village Rohana Kalan to Village Bahedi and send a copy to the Board within 3 month.
13. A Bank Guarantee of Rs. 10,00,000/- (Rs. Ten Lacs only) shall be submitted within 15 days including the conditions mentioned at serial no. 1 to 12 which will be valid for two year otherwise this consent to establish shall be deemed to be withdrawn.

Please note that consent to Establish will be revoked, in case of, non compliance of any of the above mentioned conditions. Board reserves its right for amendment or cancellation of any of the conditions specified above. Industry is directed to submit its first compliance report regarding above mentioned specific and general conditions till 03/12/2020 in this office. Ensure to submit the regular compliance report otherwise this Consent to Establish will be revoked.

**Chief Environmental Officer,  
Circle-3.**

Dated:- 03/11/2020

**Copy To -**

Regional Officer, U.P. Pollution Control Board, Muzaffarnagar.

**Chief Environmental Officer,  
Circle-3.**

# State Level Environment Impact Assessment Authority, Uttar Pradesh

## Directorate of Environment, U.P.

Vineet Khand-1, Gomti Nagar, Lucknow - 226 010  
Phone : 91-522-2300 541, Fax : 91-522-2300 543  
E-mail : docuplko@yahoo.com  
Website : www.seiaau.com

To,

M/s Indian Potash Ltd, (Distillery- Unit),  
Rohana Kalan, P.O. Rohana Mill,  
Block Charthawal, Tehsil- Muzzaffarnagar,  
District- Muzaffarnagar, U.P.

Ref. No.....395...../Parya/SEAC/5764-5646/2019

Date: 14 October, 2020

**Sub: Environmental Clearance for Expansion of existing molasses based distillery from 45 KLD to 65.3 KLD (RS/ENA/AA) along with power plant from 1.4 MW to 2.0 MW at Khasra No.-634, 634 M, 633, 631, 627, 626, 624 partly, 622, Village-Rohana Mill, Block: Charthawal, Tehsil & District: Muzaffarnagar (U.P.) by M/s Indian Potash Ltd.**

Dear Sir,

Please refer to your application/letters 09-04-2020, 02-06-2020, 09-08-2020, 13-08-2020 & 17-08-2020 addressed to the Chairman/Secretary, State Level Environment Impact Assessment Authority (SEIAA) and Director, Directorate of Environment Govt. of UP on the subject as above. The State Level Expert Appraisal Committee considered the matter in its meetings held on dated 28-08-2020 and SEIAA in its meeting dated 17-09-2020.

A presentation was made by project proponent along with their consultant M/s Environmental & Technical Research Centre. The proponent, through the documents submitted and the presentation made, informed the committee that:-

1. The Environmental clearance is sought for Expansion of existing molasses based distillery from 45 KLD to 65.3 KLD (RS/ENA/AA) along with power plant from 1.4 MW to 2.0 MW at Khasra No.-634, 634 M, 633, 631, 627, 626, 624 partly, 622, Village-Rohana Mill, Block: Charthawal, Tehsil & District: Muzaffarnagar (U.P.) by M/s Indian Potash Ltd.
2. The additional terms of reference in the matter were issued by SEIAA, U.P. vide letter no. 208/Parya/SEAC/5646/2018, dated 27/07/2020
3. Final EIA report submitted by the project proponent on 13<sup>th</sup> August, 2020.
4. Salient features of the project:

Sr. No.	Item	Details
1	Name of the Project	M/s Indian Potash Ltd. (Rohana Unit: Distillery) Village: Rohana Mill, Block: Charthawal, Tehsil & District: Muzaffarnagar (U.P.)
2	Capacity of Distillery	Expansion from 45 KLD to 65.3 KLD (Rectified Spirit/Extra Neutral Alcohol/Ethanol)
3	Power Generation	From 1.4 MW to 2.0 MW Co- Generation of Power.
4	Category	Category "B" and Schedule - 5 (g)

### 5. Other project details:

S.No	Particulars	Details of Proposed Project (Capacity: 65.3 KLD)
1	Proposed capacity of Plant	Expansion of the existing project from 45 KLD to 65.3 KLD distillery (RS/ENA/AA) along with Co gen Power from 1.4 MW to 2 MW.
2	Total project cost	Rs.11300 Lakhs
3	Total project area	6.988 Hectares (17.267 Acres)(Adjoining existing Sugar Mill) at Khasra no. 634, 634 M, 633, 631, 627, 626, 624 partly, 622M Partly Village: Rohana Mill, Block: Charthawal, Tehsil & District: Muzaffarnagar (U.P.)
4	Category of Project	Category : B and Schedule : 5 (g)
5	Process Involve	Distillery Process :



		1. Molasses Dilution 2. Yeast Propagation 3. Fermentation 4. Multi Pressure Distillation
6	Product	RS/ ENA / Ethanol (AA) : 65.3 KLD
7	Raw material and its Quantity	Molasses) & Sugarcane Syrup 284 MT/DAY of C-Molasses or 200 MT/Day of B-Heavy Molasses or 218 MT/Day of 50% Sugar Syrup Source: Adjacent own sugar unit & other standalone unit in nearby areas.
8	Co-Gen Power Generation	2.0 MW Co generation power
9	Fresh Water Requirement	Fresh Water Requirement : 445 KLD (Industrial Use) Source: Treated and Condensate water from adjacent sugar industry as well as surface water through canal.
10	Power requirement	The total power requirement for the project will be 1.8 MW. Source: Proposed 2.0 MW Co – Generation Power Plant.
11	Fuel and its quantity	Slop will be incinerated in boiler along with coal/husk as supporting fuel. Slop: 166 TPD Coal Requirement : 60 TPD (or Husk:70 TPD)
12	Steam requirement	17 TPH
13	Number of boiler	1 no. Boiler: 22 TPH Technology : (Slop Fired incineration Boiler)
14	Air Pollution Control Device	ESP
15	Number of Stack	Proposed One Stack: 70 Meters
16	Waste Water treatment	Spent wash treatment:326 KLD It will be concentrated in Multi effect evaporation and then concentrate from MEE will be utilized in Incineration fired boiler as a fuel along with Coal/ Husk. Other effluent treatment:507 KLD MEE condensate, Blowdowns of CT, Boiler, Floor washing etc will be treated in CPU and treated water will be recycled back to process and cooling in Distillation & CT.
17	Waste Water Discharge	Unit is based Zero Liquid discharge Industry (ZLD)
18	Solid Waste Generation	Total Ash generated : 35 TPD Fermenter sludge: 2 TPD Disposal: Total Ash and Fermenter Sludge will be used as manure.
19	No of Working Days	350 Days / Annum.
20	Employment Generation	80 Number
21	Green Belt Development	33% of the project area will be covered under green belt plantation (2.306 Hectare)
22	Cost towards Environmental Protection measures (capital cost)	40 Crores ( it include Waste water treatment system, Boiler, MEE, APCS, Green Belt, Health Safety equipment, granules formation machinery etc)
23	Recurring cost towards Environmental control measures	1 Crore per year.
24	CSR expenses	2% of total annual Profit as per the CSR Act (By Ministry of corporate affairs) Notification GSR 129 (E).
25	Corporate Environmental Responsibility (CER)	169.5 lakhs (1.5% of project cost)

6. Land Use Details:

Sr No.	Land use	Area (sqm)	Area in %
1	Green Belt Area	23,060.0	33.00



2	Open Land	23396.3	33.48
3	Road/ Paved Area	4330.0	6.20
4	Covered /Rooftop area of building/ sheds	19093.7	27.32
	GRAND TOTAL	69,880.0	100

7. Raw material required with daily consumption and transport:

Sl. No	Particular	Requirement	Storage	Source and mode of transportation
1.	Molasses (All variants like B-Heavy, Final C-Molasses) & Sugarcane Syrup	C-Molasses: 284 MT/Day or B-Heavy Molasses :200 MT/Day or 218 MT/Day of 50% Sugar Syrup	Molasses storage tanks	Through Sugar Mills via Road
<b>Other Chemicals</b>				
2.	Sulphuric Acid	435 Kg/day	Storage facility will be available for the chemical within proposed distillery premises as per requirement.	Nearby markets/ by roads
3.	Sodium hydroxide (caustic)	870 kg/ day		
4.	Nutrients	205 kg/day		
5.	Enzymes	35.7 kg/Day		
6.	Anti-foam agents	58.0 kg/Day		

8. Plant and machinery:

- 1) 65.3 KLD Ethanol plant with integrated evaporator and alcohol storage system, MEE
- 2) 22 TPH concentrated spent wash (slop) fired incineration boiler including air pollution control system (ESP)
- 3) Ash handling system,
- 4) Fuel handling system
- 5) Turbo generator & condenser with arrangement for the export of surplus power
- 6) Power distribution system
- 7) Cooling towers
- 8) Plant piping, valves etc
- 9) Pumps with drive motors
- 10) Condensate Polishing unit
- 11) Distributed control system
- 12) Fire fighting system etc.
- 13) Molasses storage tanks
- 14) Product storage tanks
- 15) Weighbridges
- 16) RCC Chimney

9. Water requirement details:

1	Industry Use	445 KLD(@ 6.8 KL/ KL of product)
2	Domestic Use	20 KLD
3	Total Water Requirement	465 KLD
Source: Treated and Condensate water from adjacent sugar industry as well as surface water through canal.		

10. Waste water generation:

1	Waste Water Generation	Spent Wash: 326 KLD (@ 5 KL/KL of Product) Other Effluents: 507 KLD
2	Treatment Technology	Spent wash treatment: It will be concentrated in Multi effect evaporation and then concentrate from MEE will be utilized in Incineration fired boiler as a fuel along with Coal/ Husk. Other effluent treatment: MEE condensate, Blow downs of CT, Boiler, Floor washing etc. will be treated in CPU and treated water will be recycled back to process and cooling in



	Distillation & CT.
11. The project proposal falls under Category "B" and Schedule - 5 (g) of EIA Notification, 2006 (as amended). Based on the recommendations of the State Level Expert Appraisal Committee Meeting (SEAC) held on 28-08-2020 the State Level Environment Impact Assessment Authority (SEIAA) in its Meeting held 17-09-2020 and decided to grant the Environmental Clearance for proposed project along with subject to the effective implementation of the following conditions:-	
<p><b>I. Statutory compliance:</b></p> <ol style="list-style-type: none"><li>1. 45 days monitoring report of the area for air quality, water quality, Noise level. Besides flora &amp; fauna should be examined twice a week and be submitted within 60 days for a record.</li><li>2. Due to unavoidable circumstance and covid-19 pandemic, the authority are unable to visit the site therefore, it is not possible to make available the latest certified compliance report. In view of this the committee decided that the certified compliance report should be submitted within 03 months.</li><li>3. The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project.</li><li>4. The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.</li><li>5. The project proponent shall prepare a Site-Specific Conservation Plan &amp; Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan / Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six - monthly compliance report. (in case of the presence of schedule-I species in the study area).</li><li>6. The project proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention &amp; Control of Pollution) Act, 1981 and the Water (Prevention &amp; Control of Pollution) Act, 1974 from the concerned State pollution Control Board/ Committee.</li><li>7. The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time.</li><li>8. The Company shall strictly comply with the rules and guidelines under Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules , 1989 as amended time to time. All transportation of Hazardous Chemicals shall be as per the Motor Vehicle Act (MVA), 1989</li></ol>	

**II. Air quality monitoring and preservation:**

1. The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission with respect to standards prescribed in Environment (Protection) Rules 1986 and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
2. The project proponent shall install system carryout to Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM10 and PM2.5 in reference to PM emission , and SO2 and NOx in reference to SO2 and NOx emissions) within and outside the plant area at least at four locations (one within and three outside the plant area at an angle of 120° each), covering upwind and downwind direct ions. (case to case basis small plants: Manual; Large plants: Continuous).
3. The project proponent shall submit monthly summary report of continuous stack emission and air quality monitoring and results of manual stack monitoring and manual monitoring of air quality /fugitive emissions to Regional Office of MoEF&CC, Zonal office of CPCB and Regional Office of SPCB along with six- monthly monitoring report.
4. Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources, so as to comply prescribed stack emission and fugitive emission standards.
5. The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th November, 2009 shall be complied with.
6. Sulphur content should not exceed 0.5% in the coal for use in coal fired boilers to control



particulate emissions within permissible limits (as applicable). The gaseous emissions shall be dispersed through stack of adequate height as per CPCB/SPCB guidelines.

7. The DG sets shall be equipped with suitable pollution control devices and the adequate stack height so that the emissions are in conformity with the extant regulations and the guidelines in this regard.
8. Storage of raw materials, coal etc shall be either stored in silos or in covered areas to prevent dust pollution and other fugitive emissions.

**III. Water quality monitoring and preservation:**

1. For online continuous monitoring of effluent, the unit shall install web camera with night vision capability and flow meters in the channel/drain carrying effluent within the premises (applicable in case of the projects achieving ZLD) and connected to SPCB and CPCB online servers.
2. Zero Liquid Discharge shall be ensured and no waste/treated water shall be discharged outside the premises (applicable in case of the projects achieving the ZLD).
3. Process effluent /any wastewater shall not be allowed to mix with storm water. The storm water from the premises shall be collected and discharged through a separate conveyance system.
4. The effluent discharge shall conform to the standards prescribed under the Environment (Protection) Rules, 1986, or as specified by the State Pollution Control Board while granting Consent under the Air/Water Act, whichever is more stringent.
5. Total fresh water requirement shall not exceed the proposed quantity or as specified by the Committee. Prior permission shall be obtained from the concerned regulatory authority/CGWA in this regard.
6. Industrial/trade effluent shall be segregated into High COD/TDS and Low COD/TDS effluent streams. High TDS/COD shall be passed through stripper followed by MEE and ATFD (agitated thin film drier). Low TDS effluent stream shall be treated in ETP and then passed through RO system.
7. The Company shall harvest rainwater from the roof tops of the buildings and storm water drains to recharge the ground water and utilize the same for different industrial operations within the plant.

**IV. Noise monitoring and prevention:**

1. Acoustic enclosure shall be provided to DG set for controlling the noise pollution.
2. 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.
3. The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz. 75 dB(A) during day time and 70 dB(A) during night time.

**V. Energy Conservation measures:**

1. The energy sources for lighting purposes shall preferably be LED based.

**VI. Waste management:**

1. Hazardous chemicals shall be stored in tanks, tank farms, drums, carboys etc. Flame arresters shall be provided on tank farm and the solvent transfer through pumps.
2. Process organic residue and spent carbon, if any, shall be sent to cement industries. ETP sludge, process inorganic & evaporation salt shall be disposed off to the TSDF.
3. The company shall undertake waste minimization measures as below :-
  - i. Metering and control of quantities of active ingredients to minimize waste .
  - ii. Reuse of by-products from the process as raw materials or as raw material substitutes in other processes.
  - iii. Use of automated filling to minimize spillage.
  - iv. Use of Close Feed system into batch reactors.
  - v. Venting equipment through vapour recovery system.
  - vi. Use of high pressure hoses for equipment clearing to reduce wastewater generation

**VII. Green Belt:**

1. Green belt shall be developed in an area equal to 33% of the plant area with a native tree



species in accordance with CPCB guidelines. The greenbelt shall inter alia cover the entire periphery of the plant.

**VIII. Safety, Public hearing and Human health issues:**

1. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
2. The PP shall provide Personal Protection Equipment (PPE) as per the norms of Factory Act.
3. 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.
4. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
5. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
6. 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

**IX. Corporate Environment Responsibility:**

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

**X. Miscellaneous:**

1. If the proposed project is situated in notified area of ground water extraction, where creation of new wells for ground water extraction is not allowed, requirement of fresh water shall be met from alternate water sources other than ground water or legally valid source and permission from the competent authority shall be obtained to use it.
2. The project proponent shall ensure that the distillery shall be on ZLD basis with incineration of spent wash in slop boiler. As proposed treated waste water should be completely recycled /reused and ZLD should be achieved. Under no circumstances treated waste water and effluent shall be discharged to any drain/sewer line/ inland surface water/Nala etc.
3. Directions/suggestions given during public hearing and commitment made by the project proponent should be strictly complied.
4. The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's



website permanently.

5. The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
6. The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
7. The project proponent shall monitor the criteria pollutants level namely; PM10, SO<sub>2</sub>, NO<sub>x</sub> (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.
8. The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.
9. The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
10. The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.
11. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
12. The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.
13. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
14. Concealing factual data or submission of false /fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
15. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
16. The Ministry reserves the right to stipulate additional conditions if found necessary.
17. The Company in a time bound manner shall implement these conditions.
18. The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.
19. The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.
20. Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

Concealing factual data and information or submission of false/fabricated data and failure to comply with any of the conditions stipulated in the Prior Environmental Clearance attract action under the provision of Environmental (Protection) Act, 1986.

This Environmental Clearance is subject to ownership of the site by the project proponents in confirmation with approved Master Plan for Muzaffarnagar. In case of violation; it would not be effective and would automatically be stand cancelled.

The project proponent has to ensure that the proposed site is not a part of any no- development zone as required/prescribed/identified under law. In case of the violation this permission shall automatically deemed to be cancelled. Also, in the event of any dispute on ownership or land use of the proposed site, this Clearance shall automatically deemed to be cancelled.

The project proponent has to mandatorily submit the compliance of specific conditions no- 1, 3, 4 & 5



given in E.C. letter within 3 months, failing which the Clearance shall automatically deemed to be cancelled.

Further project proponent has to submit the regular 6 monthly compliance report regarding general & specific conditions as specified in the E.C. letter and comply the provision of EIA notification 2006 (as Amended).

These stipulations would be enforced among others under the provisions of Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, the Public Liability (Insurance) Act, 1991 and EIA Notification, 2006 including the amendments and rules made thereafter.



(Ashish Tiwari)  
Member Secretary, SEIAA

No..... /Parya/SEAC/5764-5646/2019 Dated: As above

Copy with enclosure for Information and necessary action to:

1. The Principal Secretary, Department of Environment, Govt. of Uttar Pradesh, Lucknow.
2. Advisor, IA Division, Ministry of Environment, Forests & Climate Change, Govt. of India, Indira Paryavaran Bhawan, Jor Bagh Road, Aliganj, New Delhi.
3. Additional Director, Regional Office, Ministry of Environment & Forests, (Central Region), Kendriya Bhawan, 5th Floor, Sector-H, Aliganj, Lucknow.
4. District Magistrate Muzaffarnagar.
5. The Member Secretary, U.P. Pollution Control Board, TC-12V, Paryavaran Bhawan, Vibhuti Khand, Gomti Nagar, Lucknow.
6. Copy to Web Master/ guard file.

(Ashish Tiwari)  
Member Secretary, SEIAA

**SIX MONTHLY  
COMPLIANCE REPORT  
(April, 2025 to September, 2025)**

Ambient Air	:	September, 2025
Stack Emission	:	September, 2025
Ambient Noise Monitoring	:	September, 2025
Ground Water	:	April, 2025 to September, 2025
Soil Quality	:	September, 2025

of

**M/s Indian Potash Limited**  
**Unit: Rohana Kalan (Distillery Division)**  
**P.O.: Rohana Mill, Block: Charthawal**  
**Tehsil: Muzzaffarnagar**  
**District: Muzaffarnagar (U.P.) - 2512023**



# ENVIRONMENTAL AND TECHNICAL RESEARCH CENTRE

Office & Laboratory : 2/261, Vishwas Khand, Gomti Nagar, Lucknow - 226 010 (U.P.)

Email : ETRCLTH@YAHOO.IN, Web.: www.etcindia.com

(ISO 9001:2015, ISO 45001:2018 (OH&S) ISO 14001:2015)

An approved laboratory from Ministry of Environment, Forest and Climate change, Govt. of India under EPA 1986

ETRC/PM09/TEST-REP/FT/45

## TEST REPORT WATER & WASTE WATER ANALYSIS

<b>Test Report Ref No.:</b> ETRC/EPA/14250/2025	<b>Date of Report:</b> 22/04/2025
<b>Name /Address/Type of Industry</b>	M/s Indian Potash Limited Unit: Rohana Kalan (Distillery Division) P.O.: Rohana Mill, Block: Charthawal Tehsil: Muzzaffarnagar District: Muzaffarnagar (U.P.) - 251202

### SAMPLE DETAILS

1	Water/ Waste Water	Ground Water	5	Packing Condition	Sealed
2	Sample Description	Borewell (Near Project Site)	6	Sample Collected by	Industry Self
3	Sample received date	16.04.2025	7	Sample Collection date	16.04.2025
4	Sample Quantity	5.0 liters	8	Analysis Start Date	16.04.2025
				Analysis End Date	21.04.2025

### TEST RESULT

Sr. No	Test Parameter	Unit	Protocol/Test Method	Result	Range of testing /limit of detection	Indian Standard 10500: 2012	
					Desirable	Permissible	
<b>Physico-chemical Parameters</b>							
1	Colour	Hazen	IS 3025 (Part - 04): 2021	<5.0	5 - 30	5	15
2	Odour	-	IS 3025 (Part - 05): 2018	Agreeable	Qualitative	Agreeable	Agreeable
3	pH	-	APHA 24 <sup>th</sup> Ed. 2023 - 4500 H <sup>+</sup>	7.4	1 - 14	6.5-8.5	No Relaxation
4	Turbidity	NTU	APHA 24 <sup>th</sup> Ed. 2023 - 2130 B	BDL	2 - 40	1	5
5	Total Dissolved Solids (TDS)	mg/l	IS 3025 (Part - 16): 2023	396.4	10 - 5000	500	2000
6	Ammonia (as total ammonia-N)	mg/l	APHA 24 <sup>th</sup> Ed. 2023 - 4500-NH <sub>3</sub> F	BDL	0.5 - 2.0	0.5	No Relaxation
7	Anionic Detergents (as MBAS)	mg/l	APHA 24 <sup>th</sup> Ed. 2023 - 5540 C	BDL	0.05 - 0.5	0.2	1.0
8	Calcium as Ca	mg/l	IS 3025 (Part - 40): 1991 Reaffirmed: 2019	56.0	2.0 - 600	75	200
9	Magnesium as Mg	mg/l	APHA 24 <sup>th</sup> Ed. 2023 - 3500 Mg, B	28.188	0.1 - 400	30	100
10	Chloride as Cl	mg/l	APHA 24 <sup>th</sup> Ed. 2023 - 4500-Cl <sup>-</sup> B	20.0	2.0 - 2000	250	1000
11	Fluoride as F	mg/l	APHA 24 <sup>th</sup> Ed. 2023 - 4500 F <sup>-</sup> C	0.34	0.02 - 5.0	1.0	1.5
12	Free Residual Chlorine	mg/l	IS 3025 (Part - 26): 1986 Reaffirmed: 2019	BDL	0.1 - 5.0	0.2	1.0
13	Nitrate as NO <sub>3</sub>	mg/l	IS 3025 (Part - 34): 1986 Reaffirmed: 2019	BDL	1.0 - 70	45	No Relaxation
14	Phenolic Compound (as C <sub>6</sub> H <sub>5</sub> OH)	mg/l	APHA 24 <sup>th</sup> Ed. 2023 - 5530 C	BDL	0.001-0.005	0.001	0.002
15	Sulphate as SO <sub>4</sub>	mg/l	APHA 24 <sup>th</sup> Ed. 2023 - 4500- SO <sub>4</sub> <sup>2-</sup>	24.0	1.0 - 500	200	400
16	Alkalinity as CaCO <sub>3</sub>	mg/l	APHA 24 <sup>th</sup> Ed. 2023 - 2320 B	284.0	2.0 - 1000	200	600
17	Total Hardness as CaCO <sub>3</sub>	mg/l	APHA 24 <sup>th</sup> Ed. 2023 - 2340 C	256.0	5.0 - 800	200	600
18	Aluminium as Al	mg/l	APHA 24 <sup>th</sup> Ed. 2023 - 3120 B (ICP-OES)	BDL	0.015 - 5.0	0.03	0.2
19	Boron as B	mg/l	APHA 24 <sup>th</sup> Ed. 2023 - 3120 B (ICP-OES)	BDL	0.05 - 2.0	0.5	1.0
20	Copper as Cu	mg/l	APHA 24 <sup>th</sup> Ed. 2023 - 3120 B (ICP-OES)	BDL	0.03 - 10	0.05	1.5

Page 1 of 2



# ENVIRONMENTAL AND TECHNICAL RESEARCH CENTRE

Office & Laboratory : 2/261, Vishwas Khand, Gomti Nagar, Lucknow - 226 010 (U.P.)

Email : ETRCLTH@YAHOO.IN, Web.: www.etrctindia.com

(ISO 9001:2015, ISO 45001:2018 (OH&S) ISO 14001:2015)

An approved laboratory from Ministry of Environment, Forest and Climate change, Govt. of India under EPA 1986

## Test Report Ref No.: ETRC/EPA/14250/2025

21	Iron as Fe	mg/l	APHA 24 <sup>th</sup> Ed. 2023 - 3120 B (ICP-OES)	0.14	0.05 - 20	0.3	No Relaxation
22	Manganese as Mn	mg/l	APHA 24 <sup>th</sup> Ed. 2023 - 3120 B (ICP-OES)	0.03	0.02 - 5.0	0.1	0.3
23	Zinc as Zn	mg/l	APHA 24 <sup>th</sup> Ed. 2023 - 3120 B (ICP-OES)	0.35	0.05 - 15	5	15
24	Cadmium as Cd	mg/l	APHA 24 <sup>th</sup> Ed. 2023 - 3120 B (ICP-OES)	BDL	0.003 - 2.0	0.003	No Relaxation
25	Lead as Pb	mg/l	APHA 24 <sup>th</sup> Ed. 2023 - 3120 B (ICP-OES)	BDL	0.01 - 10	0.01	No Relaxation
26	Mercury as Hg	µg/l	APHA 24 <sup>th</sup> Ed. 2023 - 3112 B	BDL	0.5 - 1000	1.0	No Relaxation
27	Nickel as Ni	mg/l	APHA 24 <sup>th</sup> Ed. 2023 - 3120 B (ICP-OES)	BDL	0.02 - 5.0	0.02	No Relaxation
28	Arsenic as As	mg/l	APHA 24 <sup>th</sup> Ed. 2023 - 3120 B (ICP-OES)	BDL	0.02 - 2.0	0.01	0.05
29	Total Chromium	mg/l	APHA 24 <sup>th</sup> Ed. 2023 - 3120 B (ICP-OES)	BDL	0.03 - 5.0	0.05	No Relaxation
<b>Microbiological Parameters</b>							
30	E. coli	MPN/100 ml	IS 1622 - 1981 Reaffirmed: 2019	Absent	<1.8 - 16000	Shall not be detected in any 100 ml sample	
31	T. coli	MPN/100 ml	APHA 24 <sup>th</sup> Ed. 2023 - 9221 - A,B,C	Absent	<1.8 - 16000	Shall not be detected in any 100 ml sample	

BDL=Below Detection Limit

### ..... END OF REPORT.....

- ETRC warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices and that this data reflects our best attempt to generate accurate results for the sample, mentioned in the report as above.
- The result relate only to the items tested.
- ETRC does not assume any liability for any claims or damages related to the quality of parameter analyzed in the results and/or the performance of the equipment constituting to the results.
- All disputes subject to Lucknow jurisdiction.
- This report is not to be reproduced wholly or in part and cannot be used as evidence in the court of law and should not be used in any advertising media without our special permission in writing.
- Complain register is available in our laboratory.

  
Authorized Signatory  
(Sandeep Kr Verma)  
Lab-Incharge



  
Authorized Signatory  
(Dr. Ritu Garg)  
QM



# ENVIRONMENTAL AND TECHNICAL RESEARCH CENTRE

Office & Laboratory : 2/261, Vishwas Khand, Gomti Nagar, Lucknow - 226 010 (U.P.)

Email : ETRCLTH@YAHOO.IN, Web.: www.etcindia.com

(ISO 9001:2015, ISO 45001:2018 (OH&S) ISO 14001:2015)

ETRC/PM09/TEST-REP/FT/45

## TEST REPORT WATER & WASTE WATER ANALYSIS

Test Report Ref No.: ETRC/EPA/14489/2025	Date of Report: 28/05/2025
Name /Address/Type of Industry	M/s Indian Potash Limited Unit: Rohana Kalan (Distillery Division) P.O.: Rohana Mill, Block: Charthawal Tehsil: Muzzaffarnagar District: Muzaffarnagar (U.P.) - 251202

### SAMPLE DETAILS

1	Water/ Waste Water	Ground Water	5	Packing Condition	Sealed
2	Sample Description	Borewell (Near Project Site)	6	Sample Collected by	Industry Self
3	Sample received date	22.05.2025		Sample Collection date	22.05.2025
4	Sample Quantity	5.0 liters	7	Analysis Start Date	22.05.2025
			8	Analysis End Date	27.05.2025

### TEST RESULT

Sr. No	Test Parameter	Unit	Protocol/Test Method	Result	Range of testing /limit of detection	Indian Standard 10500: 2012	
						Desirable	Permissible
<b>Physico-chemical Parameters</b>							
1	Colour	Hazen	IS 3025 (Part - 04): 2021	<5.0	5 - 30	5	15
2	Odour	-	IS 3025 (Part - 05): 2018	Agreeable	Qualitative	Agreeable	Agreeable
3	pH	-	APHA 24 <sup>th</sup> Ed. 2023 - 4500 H <sup>+</sup>	7.2	1 - 14	6.5-8.5	No Relaxation
4	Turbidity	NTU	APHA 24 <sup>th</sup> Ed. 2023 - 2130 B	BDL	2 - 40	1	5
5	Total Dissolved Solids (TDS)	mg/l	IS 3025 (Part - 16): 2023	384.4	10 - 5000	500	2000
6	Ammonia (as total ammonia-N)	mg/l	APHA 24 <sup>th</sup> Ed. 2023 - 4500-NH <sub>3</sub> F	BDL	0.5 - 2.0	0.5	No Relaxation
7	Anionic Detergents (as MBAS)	mg/l	APHA 24 <sup>th</sup> Ed. 2023 - 5540 C	BDL	0.05 - 0.5	0.2	1.0
8	Calcium as Ca	mg/l	IS 3025 (Part - 40): 1991 Reaffirmed: 2019	59.2	2.0 - 600	75	200
9	Magnesium as Mg	mg/l	APHA 24 <sup>th</sup> Ed. 2023 - 3500 Mg, B	28.188	0.1 - 400	30	100
10	Chloride as Cl	mg/l	APHA 24 <sup>th</sup> Ed. 2023 - 4500-Cl <sup>-</sup> B	24.0	2.0 - 2000	250	1000
11	Fluoride as F	mg/l	APHA 24 <sup>th</sup> Ed. 2023 - 4500 F <sup>-</sup> C	0.41	0.02 - 5.0	1.0	1.5
12	Free Residual Chlorine	mg/l	IS 3025 (Part - 26): 1986 Reaffirmed: 2019	BDL	0.1 - 5.0	0.2	1.0
13	Nitrate as NO <sub>3</sub>	mg/l	IS 3025 (Part - 34): 1986 Reaffirmed: 2019	BDL	1.0 - 70	45	No Relaxation
14	Phenolic Compound (as C <sub>6</sub> H <sub>5</sub> OH)	mg/l	APHA 24 <sup>th</sup> Ed. 2023 - 5530 C	BDL	0.001-0.005	0.001	0.002
15	Sulphate as SO <sub>4</sub>	mg/l	APHA 24 <sup>th</sup> Ed. 2023 - 4500- SO <sub>4</sub> <sup>2-</sup>	20.0	1.0 - 500	200	400
16	Alkalinity as CaCO <sub>3</sub>	mg/l	APHA 24 <sup>th</sup> Ed. 2023 - 2320 B	292.0	2.0 - 1000	200	600
17	Total Hardness as CaCO <sub>3</sub>	mg/l	APHA 24 <sup>th</sup> Ed. 2023 - 2340 C	264.0	5.0 - 800	200	600
18	Aluminium as Al	mg/l	APHA 24 <sup>th</sup> Ed. 2023 - 3120 B (ICP-OES)	BDL	0.015 - 5.0	0.03	0.2
19	Boron as B	mg/l	APHA 24 <sup>th</sup> Ed. 2023 - 3120 B (ICP-OES)	BDL	0.05 - 2.0	0.5	1.0
20	Copper as Cu	mg/l	APHA 24 <sup>th</sup> Ed. 2023 - 3120 B (ICP-OES)	BDL	0.03 - 10	0.05	1.5



# ENVIRONMENTAL AND TECHNICAL RESEARCH CENTRE

Office & Laboratory : 2/261, Vishwas Khand, Gomti Nagar, Lucknow - 226 010 (U.P.)

Email : ETRCLTH@YAHOO.IN, Web.: www.etcindia.com

(ISO 9001:2015, ISO 45001:2018 (OH&S) ISO 14001:2015)

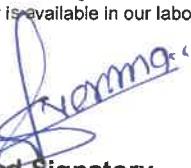
## Test Report Ref No.: ETRC/EPA/14489/2025

21	Iron as Fe	mg/l	APHA 24 <sup>th</sup> Ed. 2023 - 3120 B (ICP-OES)	0.10	0.05 - 20	0.3	No Relaxation
22	Manganese as Mn	mg/l	APHA 24 <sup>th</sup> Ed. 2023 - 3120 B (ICP-OES)	0.04	0.02 - 5.0	0.1	0.3
23	Zinc as Zn	mg/l	APHA 24 <sup>th</sup> Ed. 2023 - 3120 B (ICP-OES)	0.45	0.05 - 15	5	15
24	Cadmium as Cd	mg/l	APHA 24 <sup>th</sup> Ed. 2023 - 3120 B (ICP-OES)	BDL	0.003 - 2.0	0.003	No Relaxation
25	Lead as Pb	mg/l	APHA 24 <sup>th</sup> Ed. 2023 - 3120 B (ICP-OES)	BDL	0.01 - 10	0.01	No Relaxation
26	Mercury as Hg	µg/l	APHA 24 <sup>th</sup> Ed. 2023 - 3112 B	BDL	0.5 - 1000	1.0	No Relaxation
27	Nickel as Ni	mg/l	APHA 24 <sup>th</sup> Ed. 2023 - 3120 B (ICP-OES)	BDL	0.02 - 5.0	0.02	No Relaxation
28	Arsenic as As	mg/l	APHA 24 <sup>th</sup> Ed. 2023 - 3120 B (ICP-OES)	BDL	0.02 - 2.0	0.01	0.05
29	Total Chromium	mg/l	APHA 24 <sup>th</sup> Ed. 2023 - 3120 B (ICP-OES)	BDL	0.03 - 5.0	0.05	No Relaxation
<b>Microbiological Parameters</b>							
30	E. coli	MPN/100 ml	IS 1622 - 1981 Reaffirmed: 2019	Absent	<1.8 - 16000	Shall not be detected in any 100 ml sample	
31	T. coli	MPN/100 ml	APHA 24 <sup>th</sup> Ed. 2023 - 9221 - A,B,C	Absent	<1.8 - 16000	Shall not be detected in any 100 ml sample	

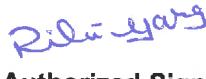
BDL=Below Detection Limit

..... END OF REPORT .....

- ETRC warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices and that this data reflects our best attempt to generate accurate results for the sample, mentioned in the report as above.
- The result relate only to the items tested.
- ETRC does not assume any liability for any claims or damages related to the quality of parameter analyzed in the results and/or the performance of the equipment constituting to the results.
- All disputes subject to Lucknow jurisdiction.
- This report is not to be reproduced wholly or in part and cannot be used as evidence in the court of law and should not be used in any advertising media without our special permission in writing.
- Complain register is available in our laboratory.

  
Authorized Signatory  
(Sandeep Kr Verma)  
Lab-Incharge



  
Authorized Signatory  
(Dr. Ritu Garg)  
QM



# ENVIRONMENTAL AND TECHNICAL RESEARCH CENTRE

Office & Laboratory : 2/261, Vishwas Khand, Gomti Nagar, Lucknow - 226 010 (U.P.)

Email : ETRCLTH@YAHOO.IN, Web.: www.etcindia.com

(ISO 9001:2015, ISO 45001:2018 (OH&S) ISO 14001:2015)

ETRC/PM09/TEST-REP/FT/45

## TEST REPORT WATER & WASTE WATER ANALYSIS

Test Report Ref No.: ETRC/EPA/14779/2025	Date of Report: 02/07/2025
Name /Address/Type of Industry	M/s Indian Potash Limited Unit: Rohana Kalan (Distillery Division) P.O.: Rohana Mill, Block: Charthawal Tehsil: Muzzaffarnagar District: Muzaffarnagar (U.P.) - 251202

### SAMPLE DETAILS

1	Water/ Waste Water	Ground Water	5	Packing Condition	Sealed
2	Sample Description	Borewell (Near Project Site)	6	Sample Collected by Sample Collection date	Industry Self 27.06.2025
3	Sample received date	27.06.2025	7	Analysis Start Date	27.06.2025
4	Sample Quantity	5.0 liters	8	Analysis End Date	01.07.2025

### TEST RESULT

Sr. No	Test Parameter	Unit	Protocol/Test Method	Result	Range of testing /limit of detection	Indian Standard 10500: 2012	
					Desirable	Permissible	
<b>Physico-chemical Parameters</b>							
1	Colour	Hazen	IS 3025 (Part - 04): 2021	<5.0	5 - 30	5	15
2	Odour	-	IS 3025 (Part - 05): 2018	Agreeable	Qualitative	Agreeable	Agreeable
3	pH	-	APHA 24 <sup>th</sup> Ed. 2023 - 4500 H <sup>+</sup>	7.6	1 - 14	6.5-8.5	No Relaxation
4	Turbidity	NTU	APHA 24 <sup>th</sup> Ed. 2023 - 2130 B	BDL	2 - 40	1	5
5	Total Dissolved Solids (TDS)	mg/l	IS 3025 (Part - 16): 2023	390.2	10 - 5000	500	2000
6	Ammonia (as total ammonia-N)	mg/l	APHA 24 <sup>th</sup> Ed. 2023 - 4500-NH <sub>3</sub> F	BDL	0.5 - 2.0	0.5	No Relaxation
7	Anionic Detergents (as MBAS)	mg/l	APHA 24 <sup>th</sup> Ed. 2023 - 5540 C	BDL	0.05 - 0.5	0.2	1.0
8	Calcium as Ca	mg/l	IS 3025 (Part - 40): 1991 Reaffirmed: 2019	56.0	2.0 - 600	75	200
9	Magnesium as Mg	mg/l	APHA 24 <sup>th</sup> Ed. 2023 - 3500 Mg, B	27.216	0.1 - 400	30	100
10	Chloride as Cl	mg/l	APHA 24 <sup>th</sup> Ed. 2023 - 4500-Cl <sup>-</sup> B	20.0	2.0 - 2000	250	1000
11	Fluoride as F	mg/l	APHA 24 <sup>th</sup> Ed. 2023 - 4500 F <sup>-</sup> C	0.39	0.02 - 5.0	1.0	1.5
12	Free Residual Chlorine	mg/l	IS 3025 (Part - 26): 1986 Reaffirmed: 2019	BDL	0.1 - 5.0	0.2	1.0
13	Nitrate as NO <sub>3</sub>	mg/l	IS 3025 (Part - 34): 1986 Reaffirmed: 2019	BDL	1.0 - 70	45	No Relaxation
14	Phenolic Compound (as C <sub>6</sub> H <sub>5</sub> OH)	mg/l	APHA 24 <sup>th</sup> Ed. 2023 - 5530 C	BDL	0.001-0.005	0.001	0.002
15	Sulphate as SO <sub>4</sub>	mg/l	APHA 24 <sup>th</sup> Ed. 2023 - 4500- SO <sub>4</sub> <sup>2-</sup>	28.0	1.0 - 500	200	400
16	Alkalinity as CaCO <sub>3</sub>	mg/l	APHA 24 <sup>th</sup> Ed. 2023 - 2320 B	288.0	2.0 - 1000	200	600
17	Total Hardness as CaCO <sub>3</sub>	mg/l	APHA 24 <sup>th</sup> Ed. 2023 - 2340 C	252.0	5.0 - 800	200	600
18	Aluminium as Al	mg/l	APHA 24 <sup>th</sup> Ed. 2023 - 3120 B (ICP-OES)	BDL	0.015 - 5.0	0.03	0.2
19	Boron as B	mg/l	APHA 24 <sup>th</sup> Ed. 2023 - 3120 B (ICP-OES)	BDL	0.05 - 2.0	0.5	1.0
20	Copper as Cu	mg/l	APHA 24 <sup>th</sup> Ed. 2023 - 3120 B (ICP-OES)	BDL	0.03 - 10	0.05	1.5

Page 1 of 2



# ENVIRONMENTAL AND TECHNICAL RESEARCH CENTRE

Office & Laboratory : 2/261, Vishwas Khand, Gomti Nagar, Lucknow - 226 010 (U.P.)

Email : ETRCLTH@YAHOO.IN, Web.: www.etcindia.com

(ISO 9001:2015, ISO 45001:2018 (OH&S) ISO 14001:2015)

## Test Report Ref No.: ETRC/EPA/14779/2025

21	Iron as Fe	mg/l	APHA 24 <sup>th</sup> Ed. 2023 - 3120 B (ICP-OES)	<b>0.16</b>	0.05 - 20	0.3	No Relaxation
22	Manganese as Mn	mg/l	APHA 24 <sup>th</sup> Ed. 2023 - 3120 B (ICP-OES)	<b>0.02</b>	0.02 - 5.0	0.1	0.3
23	Zinc as Zn	mg/l	APHA 24 <sup>th</sup> Ed. 2023 - 3120 B (ICP-OES)	<b>0.56</b>	0.05 - 15	5	15
24	Cadmium as Cd	mg/l	APHA 24 <sup>th</sup> Ed. 2023 - 3120 B (ICP-OES)	<b>BDL</b>	0.003 - 2.0	0.003	No Relaxation
25	Lead as Pb	mg/l	APHA 24 <sup>th</sup> Ed. 2023 - 3120 B (ICP-OES)	<b>BDL</b>	0.01 - 10	0.01	No Relaxation
26	Mercury as Hg	µg/l	APHA 24 <sup>th</sup> Ed. 2023 - 3112 B	<b>BDL</b>	0.5 - 1000	1.0	No Relaxation
27	Nickel as Ni	mg/l	APHA 24 <sup>th</sup> Ed. 2023 - 3120 B (ICP-OES)	<b>BDL</b>	0.02 - 5.0	0.02	No Relaxation
28	Arsenic as As	mg/l	APHA 24 <sup>th</sup> Ed. 2023 - 3120 B (ICP-OES)	<b>BDL</b>	0.02 - 2.0	0.01	0.05
29	Total Chromium	mg/l	APHA 24 <sup>th</sup> Ed. 2023 - 3120 B (ICP-OES)	<b>BDL</b>	0.03 - 5.0	0.05	No Relaxation
<b>Microbiological Parameters</b>							
30	E. coli	MPN/100 ml	IS 1622 - 1981 Reaffirmed: 2019	<b>Absent</b>	<1.8 - 16000	Shall not be detected in any 100 ml sample	
31	T. coli	MPN/100 ml	APHA 24 <sup>th</sup> Ed. 2023 - 9221 - A,B,C	<b>Absent</b>	<1.8 - 16000	Shall not be detected in any 100 ml sample	

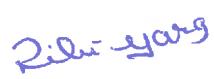
BDL=Below Detection Limit

### ..... END OF REPORT .....

- ETRC warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices and that this data reflects our best attempt to generate accurate results for the sample, mentioned in the report as above.
- The result relate only to the items tested.
- ETRC does not assume any liability for any claims or damages related to the quality of parameter analyzed in the results and/or the performance of the equipment constituting to the results.
- All disputes subject to Lucknow jurisdiction.
- This report is not to be reproduced wholly or in part and cannot be used as evidence in the court of law and should not be used in any advertising media without our special permission in writing.
- Complain register is available in our laboratory.

  
Authorized Signatory  
(Sandeep Kr Verma)  
Lab-Incharge



  
Authorized Signatory  
(Dr. Ritu Garg)  
QM



# ENVIRONMENTAL AND TECHNICAL RESEARCH CENTRE

Office & Laboratory : 2/261, Vishwas Khand, Gomti Nagar, Lucknow - 226 010 (U.P.)  
 Email : ETRCLTH@YAHOO.IN, Web.: www.etcindia.com  
 (ISO 9001:2015, ISO 45001:2018 (OH&S) ISO 14001:2015)

ETRC/PM09/TEST-REP/FT/45

## TEST REPORT WATER & WASTE WATER ANALYSIS

Test Report Ref No.: ETRC/EPA/14822/2025	Date of Report: 16/07/2025
Name /Address/Type of Industry	M/s Indian Potash Limited Unit: Rohana Kalan (Distillery Division) P.O.: Rohana Mill, Block: Charthawal Tehsil: Muzzaffarnagar District: Muzaffarnagar (U.P.) - 251202

### SAMPLE DETAILS

1	Water/ Waste Water	Ground Water	5	Packing Condition	Sealed
2	Sample Description	Borewell (Near Project Site)	6	Sample Collected by	Industry Self
3	Sample received date	10.07.2025	7	Sample Collection date	10.07.2025
4	Sample Quantity	5.0 liters	8	Analysis Start Date	10.07.2025
Analysis End Date					

### TEST RESULT

Sr. No	Test Parameter	Unit	Protocol/Test Method	Result	Range of testing /limit of detection	Indian Standard 10500: 2012	
					Desirable	Permissible	
Physico-chemical Parameters							
1	Colour	Hazen	IS 3025 (Part - 04): 2021	<5.0	5 - 30	5	15
2	Odour	-	IS 3025 (Part - 05): 2018	Agreeable	Qualitative	Agreeable	Agreeable
3	pH	-	APHA 24 <sup>th</sup> Ed. 2023 - 4500 H <sup>+</sup>	7.4	1 - 14	6.5-8.5	No Relaxation
4	Turbidity	NTU	APHA 24 <sup>th</sup> Ed. 2023 - 2130 B	BDL	2 - 40	1	5
5	Total Dissolved Solids (TDS)	mg/l	IS 3025 (Part - 16): 2023	388.6	10 - 5000	500	2000
6	Ammonia (as total ammonia-N)	mg/l	APHA 24 <sup>th</sup> Ed. 2023 - 4500-NH <sub>3</sub> F	BDL	0.5 - 2.0	0.5	No Relaxation
7	Anionic Detergents (as MBAS)	mg/l	APHA 24 <sup>th</sup> Ed. 2023 - 5540 C	BDL	0.05 - 0.5	0.2	1.0
8	Calcium as Ca	mg/l	IS 3025 (Part - 40): 1991 Reaffirmed: 2019	49.6	2.0 - 600	75	200
9	Magnesium as Mg	mg/l	APHA 24 <sup>th</sup> Ed. 2023 - 3500 Mg, B	33.048	0.1 - 400	30	100
10	Chloride as Cl	mg/l	APHA 24 <sup>th</sup> Ed. 2023 - 4500-Cl <sup>-</sup> B	26.0	2.0 - 2000	250	1000
11	Fluoride as F	mg/l	APHA 24 <sup>th</sup> Ed. 2023 - 4500 F <sup>-</sup> C	0.33	0.02 - 5.0	1.0	1.5
12	Free Residual Chlorine	mg/l	IS 3025 (Part - 26): 1986 Reaffirmed: 2019	BDL	0.1 - 5.0	0.2	1.0
13	Nitrate as NO <sub>3</sub>	mg/l	IS 3025 (Part - 34): 1986 Reaffirmed: 2019	BDL	1.0 - 70	45	No Relaxation
14	Phenolic Compound (as C <sub>6</sub> H <sub>5</sub> OH)	mg/l	APHA 24 <sup>th</sup> Ed. 2023 - 5530 C	BDL	0.001-0.005	0.001	0.002
15	Sulphate as SO <sub>4</sub>	mg/l	APHA 24 <sup>th</sup> Ed. 2023 - 4500- SO <sub>4</sub> <sup>2-</sup>	26.0	1.0 - 500	200	400
16	Alkalinity as CaCO <sub>3</sub>	mg/l	APHA 24 <sup>th</sup> Ed. 2023 - 2320 B	292.0	2.0 - 1000	200	600
17	Total Hardness as CaCO <sub>3</sub>	mg/l	APHA 24 <sup>th</sup> Ed. 2023 - 2340 C	260.0	5.0 - 800	200	600
18	Aluminium as Al	mg/l	APHA 24 <sup>th</sup> Ed. 2023 - 3120 B (ICP-OES)	BDL	0.015 - 5.0	0.03	0.2
19	Boron as B	mg/l	APHA 24 <sup>th</sup> Ed. 2023 - 3120 B (ICP-OES)	BDL	0.05 - 2.0	0.5	1.0
20	Copper as Cu	mg/l	APHA 24 <sup>th</sup> Ed. 2023 - 3120 B (ICP-OES)	BDL	0.03 - 10	0.05	1.5

Page 1 of 2



# ENVIRONMENTAL AND TECHNICAL RESEARCH CENTRE

Office & Laboratory : 2/261, Vishwas Khand, Gomti Nagar, Lucknow - 226 010 (U.P.)

Email : ETRCLTH@YAHOO.IN, Web.: www.etcindia.com

(ISO 9001:2015, ISO 45001:2018 (OH&S) ISO 14001:2015)

## Test Report Ref No.: ETRC/EPA/14822/2025

21	Iron as Fe	mg/l	APHA 24 <sup>th</sup> Ed. 2023 - 3120 B (ICP-OES)	0.16	0.05 - 20	0.3	No Relaxation
22	Manganese as Mn	mg/l	APHA 24 <sup>th</sup> Ed. 2023 - 3120 B (ICP-OES)	0.03	0.02 - 5.0	0.1	0.3
23	Zinc as Zn	mg/l	APHA 24 <sup>th</sup> Ed. 2023 - 3120 B (ICP-OES)	0.28	0.05 - 15	5	15
24	Cadmium as Cd	mg/l	APHA 24 <sup>th</sup> Ed. 2023 - 3120 B (ICP-OES)	BDL	0.003 - 2.0	0.003	No Relaxation
25	Lead as Pb	mg/l	APHA 24 <sup>th</sup> Ed. 2023 - 3120 B (ICP-OES)	BDL	0.01 - 10	0.01	No Relaxation
26	Mercury as Hg	µg/l	APHA 24 <sup>th</sup> Ed. 2023 - 3112 B	BDL	0.5 - 1000	1.0	No Relaxation
27	Nickel as Ni	mg/l	APHA 24 <sup>th</sup> Ed. 2023 - 3120 B (ICP-OES)	BDL	0.02 - 5.0	0.02	No Relaxation
28	Arsenic as As	mg/l	APHA 24 <sup>th</sup> Ed. 2023 - 3120 B (ICP-OES)	BDL	0.02 - 2.0	0.01	0.05
29	Total Chromium	mg/l	APHA 24 <sup>th</sup> Ed. 2023 - 3120 B (ICP-OES)	BDL	0.03 - 5.0	0.05	No Relaxation
<b>Microbiological Parameters</b>							
30	E. coli	MPN/100 ml	IS 1622 - 1981 Reaffirmed: 2019	Absent	<1.8 - 16000	Shall not be detected in any 100 ml sample	
31	T. coli	MPN/100 ml	APHA 24 <sup>th</sup> Ed. 2023 - 9221 - A,B,C	Absent	<1.8 - 16000	Shall not be detected in any 100 ml sample	

BDL=Below Detection Limit

..... END OF REPORT .....

- ETRC warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices and that this data reflects our best attempt to generate accurate results for the sample, mentioned in the report as above.
- The result relate only to the items tested.
- ETRC does not assume any liability for any claims or damages related to the quality of parameter analyzed in the results and/or the performance of the equipment constituting to the results.
- All disputes subject to Lucknow jurisdiction.
- This report is not to be reproduced wholly or in part and cannot be used as evidence in the court of law and should not be used in any advertising media without our special permission in writing.
- Complain register is available in our laboratory.

Authorized Signatory  
(Sandeep Kr Verma)  
Lab-Incharge



Authorized Signatory  
(Dr. Ritu Garg)  
QM



# ENVIRONMENTAL AND TECHNICAL RESEARCH CENTRE

Office & Laboratory : 2/261, Vishwas Khand, Gomti Nagar, Lucknow - 226 010 (U.P.)

Email : [ETRCLTH@YAHOO.IN](mailto:ETRCLTH@YAHOO.IN), Web. : [www.etrccindia.com](http://www.etrccindia.com)

(ISO 9001:2015, ISO 45001:2018 (OH&S) ISO 14001:2015)

An approved laboratory from Ministry of Environment, Forest and Climate change, Govt. of India under EPA 1986

ETRC/PM09/TEST-REP/FT/45

## TEST REPORT WATER & WASTE WATER ANALYSIS

Test Report Ref No.: ETRC/EPA/15025/2025		Date of Report: 07/08/2025	
Name /Address/Type of Industry		M/s Indian Potash Limited Unit: Rohana Kalan (Distillery Division) P.O.: Rohana Mill, Block: Charthawal Tehsil: Muzzaffarnagar District: Muzaffarnagar (U.P.) - 251202	

### SAMPLE DETAILS

1	Water/ Waste Water	Ground Water	5	Packing Condition	Sealed
2	Sample Description	Borewell (Near Project Site)	6	Sample Collected by	Industry Self
			7	Sample Collection date	02.08.2025
3	Sample received date	02.08.2025	8	Analysis Start Date	02.08.2025
4	Sample Quantity	5.0 liters	9	Analysis End Date	06.08.2025

### TEST RESULT

Sr. No	Test Parameter	Unit	Protocol/Test Method	Result	Range of testing /limit of detection	Indian Standard 10500: 2012	
					Desirable	Permissible	
<b>Physico-chemical Parameters</b>							
1	Colour	Hazen	IS 3025 (Part - 04): 2021	<5.0	5 - 30	5	15
2	Odour	-	IS 3025 (Part - 05): 2018	Agreeable	Qualitative	Agreeable	Agreeable
3	pH	-	APHA 24 <sup>th</sup> Ed. 2023 - 4500 H <sup>+</sup>	7.5	1 - 14	6.5-8.5	No Relaxation
4	Turbidity	NTU	APHA 24 <sup>th</sup> Ed. 2023 - 2130 B	BDL	2 - 40	1	5
5	Total Dissolved Solids (TDS)	mg/l	IS 3025 (Part - 16): 2023	386.4	10 - 5000	500	2000
6	Ammonia (as total ammonia-N)	mg/l	APHA 24 <sup>th</sup> Ed. 2023 - 4500-NH <sub>3</sub> F	BDL	0.5 - 2.0	0.5	No Relaxation
7	Anionic Detergents (as MBAS)	mg/l	APHA 24 <sup>th</sup> Ed. 2023 - 5540 C	BDL	0.05 - 0.5	0.2	1.0
8	Calcium as Ca	mg/l	IS 3025 (Part - 40): 1991 Reaffirmed: 2019	56.0	2.0 - 600	75	200
9	Magnesium as Mg	mg/l	APHA 24 <sup>th</sup> Ed. 2023 - 3500 Mg, B	32.076	0.1 - 400	30	100
10	Chloride as Cl	mg/l	APHA 24 <sup>th</sup> Ed. 2023 - 4500-Cl <sup>-</sup> B	20.0	2.0 - 2000	250	1000
11	Fluoride as F	mg/l	APHA 24 <sup>th</sup> Ed. 2023 - 4500 F <sup>-</sup> C	0.36	0.02 - 5.0	1.0	1.5
12	Free Residual Chlorine	mg/l	IS 3025 (Part - 26): 1986 Reaffirmed: 2019	BDL	0.1 - 5.0	0.2	1.0
13	Nitrate as NO <sub>3</sub>	mg/l	IS 3025 (Part - 34): 1986 Reaffirmed: 2019	BDL	1.0 - 70	45	No Relaxation
14	Phenolic Compound (as C <sub>6</sub> H <sub>5</sub> OH)	mg/l	APHA 24 <sup>th</sup> Ed. 2023 - 5530 C	BDL	0.001-0.005	0.001	0.002
15	Sulphate as SO <sub>4</sub>	mg/l	APHA 24 <sup>th</sup> Ed. 2023 - 4500- SO <sub>4</sub> <sup>2-</sup>	24.0	1.0 - 500	200	400
16	Alkalinity as CaCO <sub>3</sub>	mg/l	APHA 24 <sup>th</sup> Ed. 2023 - 2320 B	296.0	2.0 - 1000	200	600
17	Total Hardness as CaCO <sub>3</sub>	mg/l	APHA 24 <sup>th</sup> Ed. 2023 - 2340 C	272.0	5.0 - 800	200	600
18	Aluminium as Al	mg/l	APHA 24 <sup>th</sup> Ed. 2023 - 3120 B (ICP-OES)	BDL	0.015 - 5.0	0.03	0.2
19	Boron as B	mg/l	APHA 24 <sup>th</sup> Ed. 2023 - 3120 B (ICP-OES)	BDL	0.05 - 2.0	0.5	1.0
20	Copper as Cu	mg/l	APHA 24 <sup>th</sup> Ed. 2023 - 3120 B (ICP-OES)	BDL	0.03 - 10	0.05	1.5



# ENVIRONMENTAL AND TECHNICAL RESEARCH CENTRE

Office & Laboratory : 2/261, Vishwas Khand, Gomti Nagar, Lucknow - 226 010 (U.P.)

Email : ETRCLTH@YAHOO.IN, Web.: www.etrccindia.com

(ISO 9001:2015, ISO 45001:2018 (OH&S) ISO 14001:2015)

An approved laboratory from Ministry of Environment, Forest and Climate change, Govt. of India under EPA 1986

## Test Report Ref No.: ETRC/EPA/15025/2025

21	Iron as Fe	mg/l	APHA 24 <sup>th</sup> Ed. 2023 - 3120 B (ICP-OES)	0.10	0.05 - 20	0.3	No Relaxation
22	Manganese as Mn	mg/l	APHA 24 <sup>th</sup> Ed. 2023 - 3120 B (ICP-OES)	0.05	0.02 - 5.0	0.1	0.3
23	Zinc as Zn	mg/l	APHA 24 <sup>th</sup> Ed. 2023 - 3120 B (ICP-OES)	0.33	0.05 - 15	5	15
24	Cadmium as Cd	mg/l	APHA 24 <sup>th</sup> Ed. 2023 - 3120 B (ICP-OES)	BDL	0.003 - 2.0	0.003	No Relaxation
25	Lead as Pb	mg/l	APHA 24 <sup>th</sup> Ed. 2023 - 3120 B (ICP-OES)	BDL	0.01 - 10	0.01	No Relaxation
26	Mercury as Hg	µg/l	APHA 24 <sup>th</sup> Ed. 2023 - 3112 B	BDL	0.5 - 1000	1.0	No Relaxation
27	Nickel as Ni	mg/l	APHA 24 <sup>th</sup> Ed. 2023 - 3120 B (ICP-OES)	BDL	0.02 - 5.0	0.02	No Relaxation
28	Arsenic as As	mg/l	APHA 24 <sup>th</sup> Ed. 2023 - 3120 B (ICP-OES)	BDL	0.02 - 2.0	0.01	0.05
29	Total Chromium	mg/l	APHA 24 <sup>th</sup> Ed. 2023 - 3120 B (ICP-OES)	BDL	0.03 - 5.0	0.05	No Relaxation
<b>Microbiological Parameters</b>							
30	E. coli	MPN/100 ml	IS 1622 - 1981 Reaffirmed: 2019	Absent	<1.8 - 16000	Shall not be detected in any 100 ml sample	
31	T. coli	MPN/100 ml	APHA 24 <sup>th</sup> Ed. 2023 - 9221 - A,B,C	Absent	<1.8 - 16000	Shall not be detected in any 100 ml sample	

BDL=Below Detection Limit

..... END OF REPORT .....

- ETRC warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices and that this data reflects our best attempt to generate accurate results for the sample, mentioned in the report as above.
- The result relate only to the items tested.
- ETRC does not assume any liability for any claims or damages related to the quality of parameter analyzed in the results and/or the performance of the equipment constituting to the results.
- All disputes subject to Lucknow jurisdiction.
- This report is not to be reproduced wholly or in part and cannot be used as evidence in the court of law and should not be used in any advertising media without our special permission in writing.
- Complain register is available in our laboratory.

Authorized Signatory  
(Sandeep Kr Verma)  
Lab-Incharge



*Ritu Garg*  
Authorized Signatory  
(Dr. Ritu Garg)  
QM



# ENVIRONMENTAL AND TECHNICAL RESEARCH CENTRE

Office & Laboratory : 2/261, Vishwas Khand, Gomti Nagar, Lucknow - 226 010 (U.P.)

Email : ETRCLTH@YAHOO.IN, Web.: www.etcindia.com

(ISO 9001:2015, ISO 45001:2018 (OH&S) ISO 14001:2015)

An approved laboratory from Ministry of Environment, Forest and Climate change, Govt. of India under EPA 1986

ETRC/PM09/TEST-REP/FT/42

## TEST REPORT AMBIENT AIR QUALITY MONITORING REPORT

<b>Test Report Ref No.:</b> ETRC/1809/16079/2025		<b>Date of Report:</b> 18/09/2025	
<b>Name /Address/Type of Industry</b>		<b>M/s Indian Potash Limited</b> <b>Unit: Rohana Kalan (Distillery Division)</b> <b>P.O.: Rohana Mill, Block: Charthawal</b> <b>Tehsil: Muzzaffarnagar</b> <b>District: Muzaffarnagar (U.P.) - 251202</b>	
<b>Monitored by</b>		<b>ETRC, Lucknow</b>	
<b>Location of Sampling point</b>		<b>Near Project Site</b>	
Sr. No.	GENERAL OBSERVATIONS	DETAILS-PM <sub>10</sub>	DETAILS-PM <sub>2.5</sub>
1(a)	Weather conditions	Clear	Clear
(b)	Wind direction	West to East	West to East
(c)	Average humidity (%)	58	58
(d)	Average ambient temperature (°C)	32	32
(e)	Time of Sampling Started (Hours)	10:30 am (10.09.2025)	10:30 am (10.09.2025)
(f)	Time of Sampling completed (Hours)	10:12 am (11.09.2025)	10:12 am (11.09.2025)
(g)	Total time of sampling (Minutes)	24 hour (1397 minutes)	24 hour (1397 minutes)
2	Average sampling rate for PM (m <sup>3</sup> /minute)	1.165	NA
3	Average sampling rate for gas (LPM)	0.5	NA
4	<b>TOTAL VOLUME OF AIR SAMPLED</b> • PM (m <sup>3</sup> ) • GAS (liter)	• 1627.971 • 698.7	• 23.282

## TEST RESULT

Sr. No.	Particulars	Protocol	Unit	Result	Range of testing /limit of detection	Standard as per NAAQS; dated 18/11/ 2009
1	Particulate matters size less than 10 µm (PM <sub>10</sub> )	IS 5182 (Part - 23): 2006 Reaffirmed: 2022	µg/m <sup>3</sup>	92.4	5.0 - 1200	For 24 hour =100
2	Particulate matters size less than 2.5 µm (PM <sub>2.5</sub> )	IS 5182 (Part - 24): 2019	µg/m <sup>3</sup>	53.26	2.0 - 500	For 24 hour =60
3	Sulphur Dioxide (SO <sub>2</sub> )	IS 5182 (Part - 02): 2001 Reaffirmed: 2022	µg/m <sup>3</sup>	14.89	5.0 - 1050	For 24 hour =80
4	Nitrogen Dioxide (NO <sub>2</sub> )	IS 5182 (Part - 06): 2006 Reaffirmed: 2022	µg/m <sup>3</sup>	21.06	6.0 - 750	For 24 hour =80

### ..... END OF REPORT.....

- ETRC warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices and that this data reflects our best attempt to generate accurate results for the sample, mentioned in the report as above.
- The result relate only to the items tested.
- ETRC does not assume any liability for any claims or damages related to the quality of parameter analyzed in the results and/or the performance of the equipment constituting to the results.
- All disputes subject to Lucknow jurisdiction.
- This report is not to be reproduced wholly or in part and cannot be used as evidence in the court of law and should not be used in any advertising media without our special permission in writing.
- Complain register is available in our laboratory.

Authorized Signatory  
(Sandeep Kr Verma)  
Lab-Incharge



Ritu Garg  
Authorized Signatory  
(Dr. Ritu Garg)  
QM



# ENVIRONMENTAL AND TECHNICAL RESEARCH CENTRE

Office & Laboratory : 2/261, Vishwas Khand, Gomti Nagar, Lucknow - 226 010 (U.P.)

Email : ETRCLTH@YAHOO.IN, Web.: www.etcindia.com

(ISO 9001:2015, ISO 45001:2018 (OH&S) ISO 14001:2015)

An approved laboratory from Ministry of Environment, Forest and Climate change, Govt. of India under EPA 1986

ETRC/PM09/TEST-REP/FT/42

## TEST REPORT AMBIENT AIR QUALITY MONITORING REPORT

Test Report Ref No.: ETRC/1809/16080/2025		Date of Report: 18/09/2025	
Name /Address/Type of Industry		M/s Indian Potash Limited Unit: Rohana Kalan (Distillery Division) P.O.: Rohana Mill, Block: Charthawal Tehsil: Muzzaffarnagar District: Muzaffarnagar (U.P.) - 251202	
Monitored by		ETRC, Lucknow	
Location of Sampling point		Saidpur	
Sr. No.	GENERAL OBSERVATIONS	DETAILS-PM <sub>10</sub>	DETAILS-PM <sub>2.5</sub>
1(a)	Weather conditions	Clear	Clear
(b)	Wind direction	West to East	West to East
(c)	Average humidity (%)	58	58
(d)	Average ambient temperature (°C)	32	32
(e)	Time of Sampling Started (Hours)	10:48 am (10.09.2025)	10:48 am (10.09.2025)
(f)	Time of Sampling completed (Hours)	10:26 am (11.09.2025)	10:26 am (11.09.2025)
(g)	Total time of sampling (Minutes)	24 hour (1405 minutes)	24 hour (1405 minutes)
2	Average sampling rate for PM (m <sup>3</sup> /minute)	1.150	NA
3	Average sampling rate for gas (LPM)	0.5	NA
4	TOTAL VOLUME OF AIR SAMPLED • PM (m <sup>3</sup> ) • GAS (liter)	• 1615.980 • 702.6	• 23.418

## TEST RESULT

Sr. No.	Particulars	Protocol	Unit	Result	Range of testing /limit of detection	Standard as per NAAQS; dated 18/11/ 2009
1	Particulate matters size less than 10 µm (PM <sub>10</sub> )	IS 5182 (Part - 23): 2006 Reaffirmed: 2022	µg/m <sup>3</sup>	82.6	5.0 - 1200	For 24 hour =100
2	Particulate matters size less than 2.5 µm (PM <sub>2.5</sub> )	IS 5182 (Part - 24): 2019	µg/m <sup>3</sup>	51.24	2.0 - 500	For 24 hour =60
3	Sulphur Dioxide (SO <sub>2</sub> )	IS 5182 (Part - 02): 2001 Reaffirmed: 2022	µg/m <sup>3</sup>	13.60	5.0 - 1050	For 24 hour =80
4	Nitrogen Dioxide (NO <sub>2</sub> )	IS 5182 (Part - 06): 2006 Reaffirmed: 2022	µg/m <sup>3</sup>	18.92	6.0 - 750	For 24 hour =80

..... END OF REPORT .....

- ETRC warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices and that this data reflects our best attempt to generate accurate results for the sample, mentioned in the report as above.
- The result relate only to the items tested.
- ETRC does not assume any liability for any claims or damages related to the quality of parameter analyzed in the results and/or the performance of the equipment constituting to the results.
- All disputes subject to Lucknow jurisdiction.
- This report is not to be reproduced wholly or in part and cannot be used as evidence in the court of law and should not be used in any advertising media without our special permission in writing.
- Complain register is available in our laboratory.

Authorized Signatory  
(Sandeep Kr Verma)  
Lab-Incharge



Ritu Garg  
Authorized Signatory  
(Dr. Ritu Garg)  
QM



# ENVIRONMENTAL AND TECHNICAL RESEARCH CENTRE

Office & Laboratory : 2/261, Vishwas Khand, Gorhti Nagar, Lucknow - 226 010 (U.P.)

Email : ETRCLTH@YAHOO.IN, Web.: www.etcindia.com

(ISO 9001:2015, ISO 45001:2018 (OH&S) ISO 14001:2015)

An approved laboratory from Ministry of Environment, Forest and Climate change, Govt. of India under EPA 1986

ETRC/PM09/TEST-REP/FT/42

## TEST REPORT AMBIENT AIR QUALITY MONITORING REPORT

<b>Test Report Ref No.:</b> ETRC/1809/16081/2025		<b>Date of Report:</b> 18/09/2025	
<b>Name /Address/Type of Industry</b>		M/s Indian Potash Limited Unit: Rohana Kalan (Distillery Division) P.O.: Rohana Mill, Block: Charthawal Tehsil: Muzzaffarnagar District: Muzaffarnagar (U.P.) - 251202	
<b>Monitored by</b>		ETRC, Lucknow	
<b>Location of Sampling point</b>		Khampur	
Sr. No.	GENERAL OBSERVATIONS	DETAILS-PM <sub>10</sub>	DETAILS-PM <sub>2.5</sub>
1(a)	Weather conditions	Clear	Clear
(b)	Wind direction	West to East	West to East
(c)	Average humidity (%)	58	58
(d)	Average ambient temperature (°C)	31	31
(e)	Time of Sampling Started (Hours)	10:38 am (11.09.2025)	10:38 am (11.09.2025)
(f)	Time of Sampling completed (Hours)	10:20 am (12.09.2025)	10:20 am (12.09.2025)
(g)	Total time of sampling (Minutes)	24 hour (1399 minutes)	24 hour (1399 minutes)
2	Average sampling rate for PM (m <sup>3</sup> /minute)	1.165	NA
3	Average sampling rate for gas (LPM)	0.5	NA
4	<b>TOTAL VOLUME OF AIR SAMPLED</b> • PM (m <sup>3</sup> ) • GAS (liter)	• 1629.835 • 699.6	• 23.318

## TEST RESULT

Sr. No.	Particulars	Protocol	Unit	Result	Range of testing /limit of detection	Standard as per NAAQS; dated 18/11/ 2009
1	Particulate matters size less than 10 µm (PM <sub>10</sub> )	IS 5182 (Part - 23): 2006 Reaffirmed: 2022	µg/m <sup>3</sup>	80.2	5.0 - 1200	For 24 hour =100
2	Particulate matters size less than 2.5 µm (PM <sub>2.5</sub> )	IS 5182 (Part - 24): 2019	µg/m <sup>3</sup>	48.03	2.0 - 500	For 24 hour =60
3	Sulphur Dioxide (SO <sub>2</sub> )	IS 5182 (Part - 02): 2001 Reaffirmed: 2022	µg/m <sup>3</sup>	13.20	5.0 - 1050	For 24 hour =80
4	Nitrogen Dioxide (NO <sub>2</sub> )	IS 5182 (Part - 06): 2006 Reaffirmed: 2022	µg/m <sup>3</sup>	17.46	6.0 - 750	For 24 hour =80

### ..... END OF REPORT.....

- ETRC warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices and that this data reflects our best attempt to generate accurate results for the sample, mentioned in the report as above.
- The result relate only to the items tested.
- ETRC does not assume any liability for any claims or damages related to the quality of parameter analyzed in the results and/or the performance of the equipment constituting to the results.
- All disputes subject to Lucknow jurisdiction.
- This report is not to be reproduced wholly or in part and cannot be used as evidence in the court of law and should not be used in any advertising media without our special permission in writing.
- Complain register is available in our laboratory.

Authorized Signatory  
(Sandeep Kr Verma)  
Lab-Incharge



Authorized Signatory  
(Dr. Ritu Garg)  
QM



# ENVIRONMENTAL AND TECHNICAL RESEARCH CENTRE

Office & Laboratory : 2/261, Vishwas Khand, Gomti Nagar, Lucknow - 226 010 (U.P.)

Email : ETRCLTH@YAHOO.IN, Web.: www.etcindia.com

(ISO 9001:2015, ISO 45001:2018 (OH&S) ISO 14001:2015)

An approved laboratory from Ministry of Environment, Forest and Climate change, Govt. of India under EPA 1986

ETRC/PM09/TEST-REP/FT/42

## TEST REPORT AMBIENT AIR QUALITY MONITORING REPORT

<b>Test Report Ref No.:</b> ETRC/1809/16082/2025		<b>Date of Report:</b> 18/09/2025	
<b>Name /Address/Type of Industry</b>		M/s Indian Potash Limited Unit: Rohana Kalan (Distillery Division) P.O.: Rohana Mill, Block: Charthawal Tehsil: Muzzaffarnagar District: Muzaffarnagar (U.P.) - 251202	
<b>Monitored by</b>		ETRC, Lucknow	
<b>Location of Sampling point</b>		Baheri	
Sr. No.	GENERAL OBSERVATIONS	DETAILS-PM <sub>10</sub>	DETAILS-PM <sub>2.5</sub>
1(a)	Weather conditions	Clear	Clear
(b)	Wind direction	West to East	West to East
(c)	Average humidity (%)	58	58
(d)	Average ambient temperature (°C)	31	31
(e)	Time of Sampling Started (Hours)	10:52 am (11.09.2025)	10:52 am (11.09.2025)
(f)	Time of Sampling completed (Hours)	10:29 am (12.09.2025)	10:29 am (12.09.2025)
(g)	Total time of sampling (Minutes)	24 hour (1398 minutes)	24 hour (1398 minutes)
2	Average sampling rate for PM (m <sup>3</sup> /minute)	1.145	NA
3	Average sampling rate for gas (LPM)	0.5	NA
4	<b>TOTAL VOLUME OF AIR SAMPLED</b> • PM (m <sup>3</sup> ) • GAS (liter)	• 1600.710 • 699.0	• 23.284

## TEST RESULT

Sr. No.	Particulars	Protocol	Unit	Result	Range of testing /limit of detection	Standard as per NAAQS; dated 18/11/ 2009
1	Particulate matters size less than 10 µm (PM <sub>10</sub> )	IS 5182 (Part - 23): 2006 Reaffirmed: 2022	µg/m <sup>3</sup>	74.8	5.0 - 1200	For 24 hour =100
2	Particulate matters size less than 2.5 µm (PM <sub>2.5</sub> )	IS 5182 (Part - 24): 2019	µg/m <sup>3</sup>	46.38	2.0 - 500	For 24 hour =60
3	Sulphur Dioxide (SO <sub>2</sub> )	IS 5182 (Part - 02): 2001 Reaffirmed: 2022	µg/m <sup>3</sup>	13.68	5.0 - 1050	For 24 hour =80
4	Nitrogen Dioxide (NO <sub>2</sub> )	IS 5182 (Part - 06): 2006 Reaffirmed: 2022	µg/m <sup>3</sup>	17.42	6.0 - 750	For 24 hour =80

### ..... END OF REPORT .....

- ETRC warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices and that this data reflects our best attempt to generate accurate results for the sample, mentioned in the report as above.
- The result relate only to the items tested.
- ETRC does not assume any liability for any claims or damages related to the quality of parameter analyzed in the results and/or the performance of the equipment constituting to the results.
- All disputes subject to Lucknow jurisdiction.
- This report is not to be reproduced wholly or in part and cannot be used as evidence in the court of law and should not be used in any advertising media without our special permission in writing.
- Complain register is available in our laboratory.

Authorized Signatory  
(Sandeep Kr Verma)  
Lab-Incharge



Authorized Signatory  
(Dr. Ritu Garg)  
QM



# ENVIRONMENTAL AND TECHNICAL RESEARCH CENTRE

Office & Laboratory : 2/261, Vishwas Khand, Gorhti Nagar, Lucknow - 226 010 (U.P.)

Email : ETRCLTH@YAHOO.IN, Web.: www.etcindia.com

(ISO 9001:2015, ISO 45001:2018 (OH&S) ISO 14001:2015)

An approved laboratory from Ministry of Environment, Forest and Climate change, Govt. of India under EPA 1986

ETRC/PM09/TEST-REP/FT/43

## TEST REPORT STACK EMISSION MONITORING AND ANALYSIS REPORT

<b>Test Report Ref No.:</b> ETRC/1809/16083/2025	<b>Date of Report:</b> 18/09/2025
<b>Name /Address/Type of Industry</b>	M/s Indian Potash Limited Unit: Rohana Kalan (Distillery Division) P.O.: Rohana Mill, Block: Charthawal Tehsil: Muzzaffarnagar District: Muzaffarnagar (U.P.) - 251202
<b>Monitored by</b>	ETRC, Lucknow
<b>Sr. No.</b>	<b>GENERAL INFORMATION</b>
1.(a)	Date of monitoring
(b)	Stack material
(c)	Height of stack from ground level
(d)	Source to which stack attached
(e)	No of boiler attached with capacity
(f)	Type and quantity of fuel used
(g)	Details of APCS installed
2.	<b>PARAMETERS</b>
(a)	Ambient temperature (°C)
(b)	Stack gas temperature (°C)
(c)	Stack gas velocity (m/sec)
(d)	Flow rate (LPM)
(e)	Sampling time (minutes)
(f)	Volume of air sampled (liters)

## TEST RESULT

Sr. No.	Parameter	Unit	Protocol	Result	Range of Testing / Limit of Detection	Standard (as per CPCB)
1	Particulate Matter	mg/Nm <sup>3</sup>	IS 11255 (Part - 1): 1985 Reaffirmed: 2019	43.25	2.0 - 1000	150

### ..... END OF REPORT .....

- ETRC warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices and that this data reflects our best attempt to generate accurate results for the sample, mentioned in the report as above.
- The result relate only to the items tested.
- ETRC does not assume any liability for any claims or damages related to the quality of parameter analyzed in the results and/or the performance of the equipment constituting to the results.
- All disputes subject to Lucknow jurisdiction.
- This report is not to be reproduced wholly or in part and cannot be used as evidence in the court of law and should not be used in any advertising media without our special permission in writing.
- Complain register is available in our laboratory.

Authorized Signatory  
(Sandeep Kr Verma)  
Lab-Incharge



Authorized Signatory  
(Dr. Ritu Garg)  
QM



# ENVIRONMENTAL AND TECHNICAL RESEARCH CENTRE

Office & Laboratory : 2/261, Vishwas Khand, Gomti Nagar, Lucknow - 226 010 (U.P.)

Email : ETRCLTH@YAHOO.IN, Web.: www.etcindia.com

(ISO 9001:2015, ISO 45001:2018 (OH&S) ISO 14001:2015)

An approved laboratory from Ministry of Environment, Forest and Climate change, Govt. of India under EPA 1986

ETRC/PM09/TEST-REP/FT/44

## TEST REPORT AMBIENT NOISE MONITORING AND ANALYSIS REPORT

<b>Test Report Ref No.:</b> ETRC/1809/16084/2025	<b>Date of Report:</b> 18/09/2025
<b>Name /Address/Type of Industry</b>	M/s Indian Potash Limited Unit: Rohana Kalan (Distillery Division) P.O.: Rohana Mill, Block: Charthawal Tehsil: Muzzaffarnagar District: Muzaffarnagar (U.P.) - 251202
<b>Monitored by</b>	ETRC, Lucknow
<b>Sr. No.</b>	<b>GENERAL INFORMATION</b>
(a)	Date of monitoring
(b)	Sample Description
(c)	Sampling Location
(d)	Environmental Condition
(e)	Monitoring Protocol

## TEST RESULT

Ambient Noise Level				
Sr. No.	Parameter	Unit	Results Day Time (06:00 AM - 10:00 PM)	Results Night Time (10:00 PM - 06:00 AM)
1	Equivalent sound level	dB(A)	61.24	49.82

Noise Standards as per CPCB Schedule rule 3(1) and 4(1)			
Area Code	Category of Area/Zone	Limits in dB(A) Leq	
		Day Time	Night Time
A	Industrial Area	75	70
B	Commercial Area	65	55
C	Residential Area	55	45
D	Silence Zone	50	40

### ..... END OF REPORT .....

- ETRC warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices and that this data reflects our best attempt to generate accurate results for the sample, mentioned in the report as above.
- The result relate only to the items tested.
- ETRC does not assume any liability for any claims or damages related to the quality of parameter analyzed in the results and/or the performance of the equipment constituting to the results.
- All disputes subject to Lucknow jurisdiction.
- This report is not to be reproduced wholly or in part and cannot be used as evidence in the court of law and should not be used in any advertising media without our special permission in writing.
- Complain register is available in our laboratory.

  
Authorized Signatory  
(Sandeep Kr Verma)  
Lab-Incharge



  
Authorized Signatory  
(Dr. Ritu Garg)  
QM



# ENVIRONMENTAL AND TECHNICAL RESEARCH CENTRE

Office & Laboratory : 2/261, Vishwas Khand, Gomti Nagar, Lucknow - 226 010 (U.P.)

Email : ETRCLTH@YAHOO.IN, Web. : www.etrccindia.com

(ISO 9001:2015, ISO 45001:2018 (OH&S) ISO 14001:2015)

An approved laboratory from Ministry of Environment, Forest and Climate change, Govt. of India under EPA 1986

ETRC/PM09/TEST-REP/FT/45

## TEST REPORT WATER & WASTE WATER ANALYSIS

Test Report Ref No.: ETRC/1809/16085/2025		Date of Report: 18/09/2025
Name /Address/Type of Industry		M/s Indian Potash Limited Unit: Rohana Kalan (Distillery Division) P.O.: Rohana Mill, Block: Charthawal Tehsil: Muzzaffarnagar District: Muzaffarnagar (U.P.) - 251202

### SAMPLE DETAILS

1	Water/ Waste Water	Ground Water	5	Packing Condition	Sealed
2	Sample Description	Borewell (Near Project Site)	6	Sample Collected by	ETRC
3	Sample received date	12.09.2025		Sample Collection date	12.09.2025
4	Sample Quantity	5.0 liters	7	Analysis Start Date	12.09.2025
			8	Analysis End Date	17.09.2025

### TEST RESULT

Sr. No	Test Parameter	Unit	Protocol/Test Method	Result	Range of testing /limit of detection		Indian Standard 10500: 2012	
					Desirable	Permissible		
<b>Physico-chemical Parameters</b>								
1	Colour	Hazen	IS 3025 (Part - 04): 2021	<5.0	5 - 30	5	15	
2	Odour	-	IS 3025 (Part - 05): 2018	Agreeable	Qualitative	Agreeable	Agreeable	
3	pH	-	APHA 24 <sup>th</sup> Ed. 2023 - 4500 H <sup>+</sup>	7.4	1 - 14	6.5-8.5	No Relaxation	
4	Turbidity	NTU	APHA 24 <sup>th</sup> Ed. 2023 - 2130 B	BDL	2 - 40	1	5	
5	Total Dissolved Solids (TDS)	mg/l	IS 3025 (Part - 16): 2023	390.0	10 - 5000	500	2000	
6	Ammonia (as total ammonia-N)	mg/l	APHA 24 <sup>th</sup> Ed. 2023 - 4500-NH <sub>3</sub> F	BDL	0.5 - 2.0	0.5	No Relaxation	
7	Anionic Detergents (as MBAS)	mg/l	APHA 24 <sup>th</sup> Ed. 2023 - 5540 C	BDL	0.05 - 0.5	0.2	1.0	
8	Calcium as Ca	mg/l	IS 3025 (Part - 40): 1991 Reaffirmed: 2019	59.2	2.0 - 600	75	200	
9	Magnesium as Mg	mg/l	APHA 24 <sup>th</sup> Ed. 2023 - 3500 Mg, B	28.188	0.1 - 400	30	100	
10	Chloride as Cl	mg/l	APHA 24 <sup>th</sup> Ed. 2023 - 4500-Cl-B	22.0	2.0 - 2000	250	1000	
11	Fluoride as F	mg/l	APHA 24 <sup>th</sup> Ed. 2023 - 4500 F-C	0.34	0.02 - 5.0	1.0	1.5	
12	Free Residual Chlorine	mg/l	IS 3025 (Part - 26): 1986 Reaffirmed: 2019	BDL	0.1 - 5.0	0.2	1.0	
13	Nitrate as NO <sub>3</sub>	mg/l	IS 3025 (Part - 34): 1986 Reaffirmed: 2019	BDL	1.0 - 70	45	No Relaxation	
14	Phenolic Compound (as C <sub>6</sub> H <sub>5</sub> OH)	mg/l	APHA 24 <sup>th</sup> Ed. 2023 - 5530 C	BDL	0.001-0.005	0.001	0.002	
15	Sulphate as SO <sub>4</sub>	mg/l	APHA 24 <sup>th</sup> Ed. 2023 - 4500- SO <sub>4</sub> <sup>2-</sup>	26.0	1.0 - 500	200	400	
16	Alkalinity as CaCO <sub>3</sub>	mg/l	APHA 24 <sup>th</sup> Ed. 2023 - 2320 B	296.0	2.0 - 1000	200	600	
17	Total Hardness as CaCO <sub>3</sub>	mg/l	APHA 24 <sup>th</sup> Ed. 2023 - 2340 C	264.0	5.0 - 800	200	600	
18	Aluminium as Al	mg/l	APHA 24 <sup>th</sup> Ed. 2023 - 3120 B (ICP-OES)	BDL	0.015 - 5.0	0.03	0.2	
19	Boron as B	mg/l	APHA 24 <sup>th</sup> Ed. 2023 - 3120 B (ICP-OES)	BDL	0.05 - 2.0	0.5	1.0	
20	Copper as Cu	mg/l	APHA 24 <sup>th</sup> Ed. 2023 - 3120 B (ICP-OES)	BDL	0.03 - 10	0.05	1.5	



# ENVIRONMENTAL AND TECHNICAL RESEARCH CENTRE

Office & Laboratory : 2/261, Vishwas Khand, Gomti Nagar, Lucknow - 226 010 (U.P.)

Email : ETRCLTH@YAHOO.IN, Web. : www.etrccindia.com

(ISO 9001:2015, ISO 45001:2018 (OH&S) ISO 14001:2015)

An approved laboratory from Ministry of Environment, Forest and Climate change, Govt. of India under EPA 1986

## Test Report Ref No.: ETRC/1809/16085/2025

21	Iron as Fe	mg/l	APHA 24 <sup>th</sup> Ed. 2023 - 3120 B (ICP-OES)	0.08	0.05 - 20	0.3	No Relaxation
22	Manganese as Mn	mg/l	APHA 24 <sup>th</sup> Ed. 2023 - 3120 B (ICP-OES)	0.04	0.02 - 5.0	0.1	0.3
23	Zinc as Zn	mg/l	APHA 24 <sup>th</sup> Ed. 2023 - 3120 B (ICP-OES)	0.45	0.05 - 15	5	15
24	Cadmium as Cd	mg/l	APHA 24 <sup>th</sup> Ed. 2023 - 3120 B (ICP-OES)	BDL	0.003 - 2.0	0.003	No Relaxation
25	Lead as Pb	mg/l	APHA 24 <sup>th</sup> Ed. 2023 - 3120 B (ICP-OES)	BDL	0.01 - 10	0.01	No Relaxation
26	Mercury as Hg	µg/l	APHA 24 <sup>th</sup> Ed. 2023 - 3112 B	BDL	0.5 - 1000	1.0	No Relaxation
27	Nickel as Ni	mg/l	APHA 24 <sup>th</sup> Ed. 2023 - 3120 B (ICP-OES)	BDL	0.02 - 5.0	0.02	No Relaxation
28	Arsenic as As	mg/l	APHA 24 <sup>th</sup> Ed. 2023 - 3120 B (ICP-OES)	BDL	0.02 - 2.0	0.01	0.05
29	Total Chromium	mg/l	APHA 24 <sup>th</sup> Ed. 2023 - 3120 B (ICP-OES)	BDL	0.03 - 5.0	0.05	No Relaxation
<b>Microbiological Parameters</b>							
30	E. coli	MPN/100 ml	IS 1622 - 1981 Reaffirmed: 2019	Absent	<1.8 - 16000	Shall not be detected in any 100 ml sample	
31	T. coli	MPN/100 ml	APHA 24 <sup>th</sup> Ed. 2023 - 9221 - A,B,C	Absent	<1.8 - 16000	Shall not be detected in any 100 ml sample	

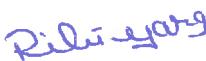
BDL=Below Detection Limit

### ..... END OF REPORT .....

- ETRC warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices and that this data reflects our best attempt to generate accurate results for the sample, mentioned in the report as above.
- The result relate only to the items tested.
- ETRC does not assume any liability for any claims or damages related to the quality of parameter analyzed in the results and/or the performance of the equipment constituting to the results.
- All disputes subject to Lucknow jurisdiction.
- This report is not to be reproduced wholly or in part and cannot be used as evidence in the court of law and should not be used in any advertising media without our special permission in writing.
- Complain register is available in our laboratory.

  
Authorized Signatory  
(Sandeep Kr Verma)  
Lab-Incharge



  
Authorized Signatory  
(Dr. Ritu Garg)  
QM



# ENVIRONMENTAL AND TECHNICAL RESEARCH CENTRE

Office & Laboratory : 2/261, Vishwas Khand, Gomti Nagar, Lucknow - 226 010 (U.P.)

Email : ETRCLTH@YAHOO.IN, Web.: www.etrccindia.com

(ISO 9001:2015, ISO 45001:2018 (OH&S) ISO 14001:2015)

An approved laboratory from Ministry of Environment, Forest and Climate change, Govt. of India under EPA 1986

ETRC/PM09/TEST-REP/FT/46

## TEST REPORT SOIL ANALYSIS

<b>Test Report Ref No.:</b> ETRC/1809/16086/2025	<b>Date of Report:</b> 18/09/2025
<b>Name /Address/Type of Industry</b>	M/s Indian Potash Limited Unit: Rohana Kalan (Distillery Division) P.O.: Rohana Mill, Block: Charthawal Tehsil: Muzzaffarnagar District: Muzaffarnagar (U.P.) - 251202

### SAMPLE DETAILS

<b>1</b>	<b>Sampling Location</b>	Near Project Site	<b>5</b>	<b>Packing Condition</b>	Sealed
<b>2</b>	<b>Sample Description</b>	Soil Sample	<b>6</b>	<b>Sample Collected by</b>	ETRC
<b>3</b>	<b>Sample received date</b>	12.09.2025	<b>7</b>	<b>Sample Collection date</b>	12.09.2025
<b>4</b>	<b>Sample Quantity</b>	500 gm	<b>8</b>	<b>Analysis Start Date</b>	12.09.2025
				<b>Analysis End Date</b>	17.09.2025

### TEST REPORT

<b>Sr. No.</b>	<b>Test Parameter</b>	<b>Unit</b>	<b>Protocol/ Test Method</b>	<b>Result</b>	<b>Range of testing /limit of detection</b>
1	pH	-	IS 2720 (Part - 26): 1987 Reaffirmed: 2021	7.2	1 - 14
2	Electrical Conductivity	µmhos/cm	IS 14767: 2000 Reaffirmed: 2021	316.0	1.0 - 40000
3	Moisture content	%	IS 2720 (Part - 02): 1973 Reaffirmed: 2020	2.85	1.0 - 50
4	Sulphur	Kg/Hec	IS 14685: 1999 Reaffirmed: 2019	13.20	5.0 - 100
5	Boron	mg/kg	ETRC/LABSOOPS/06: 2022	1.65	1.0 - 100
6	Copper	mg/kg	ETRC/LABSOOPS/07: 2022	0.33	0.3 - 500
7	Zinc	mg/kg	ETRC/LABSOOPS/08: 2022	14.28	1.0 - 500
8	Iron	mg/kg	ETRC/LABSOOPS/09: 2022	168.0	1.0 - 500
9	Manganese	mg/kg	ETRC/LABSOOPS/10: 2022	9.4	1.0 - 500

#### ..... END OF REPORT.....

- ETRC warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices and that this data reflects our best attempt to generate accurate results for the sample, mentioned in the report as above.
- The result relate only to the items tested.
- ETRC does not assume any liability for any claims or damages related to the quality of parameter analyzed in the results and/or the performance of the equipment constituting to the results.
- All disputes subject to Lucknow jurisdiction.
- This report is not to be reproduced wholly or in part and cannot be used as evidence in the court of law and should not be used in any advertising media without our special permission in writing.
- Complain register is available in our laboratory.

Authorized Signatory  
(Sandeep Kr Verma)  
Lab-Incharge



Authorized Signatory  
(Dr. Ritu Garg)  
QM

**Forbes Marshall**

**INDIAN POTASH LIMITED DISTILLERY UNIT**

Rohana Kalan, Village: Bahedi, P.O.: Rohana Mill, Block-Charthawal, & District: Muzaffarnagar (U.P.) , Pin-251202, MUZAFFARNAGAR,251202, Charthawal, & District: Muzaffarnagar (U.P.) , Pin-251202, MUZAFFARNAGAR,251202,

**Station Report**

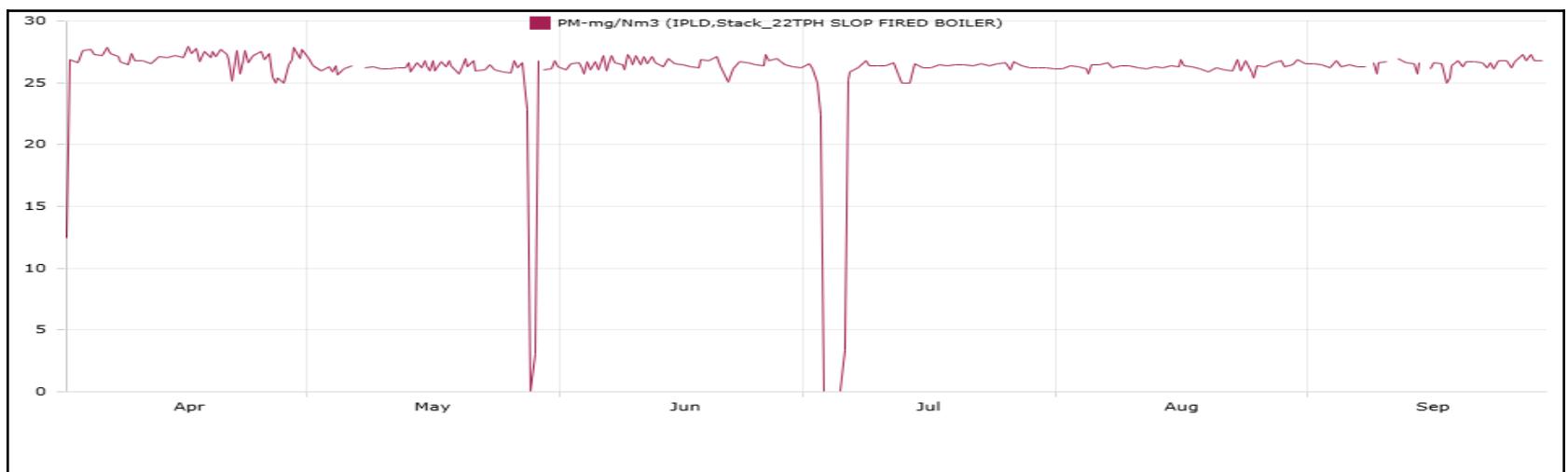
**Station: Stack\_22TPH SLOP FIRED BOILER**

**From :** 01-04-2025 09:56:00

**To :** 30-09-2025 11:56:00

**Interval :** 8 Hours

**Function :** Average



**Flag legends:** < - Average with less data, C - Calibration mode, M - Maintenance mode, S - Data under scrutiny, B - Bad data, H - High permissible limit crossed, L - Low permissible limit crossed, P - Processed Data, V - Corrected Data, D - Delayed Data, R- Analyzer drift

Calender	PM Avg					
Units	mg/Nm3					
Range	0 - 150					
01-04-2025 09:56:00	12.46 < RD					
01-04-2025 17:56:00	26.84 < D					
02-04-2025 01:56:00	26.91 < D					
02-04-2025 09:56:00	26.56 < D					
02-04-2025 17:56:00	26.58 < D					

Calender	PM Avg					
Units	mg/Nm3					
Range	0 - 150					
03-04-2025 01:56:00	26.90 < D					
03-04-2025 09:56:00	27.61 < D					
03-04-2025 17:56:00	27.29 < D					
04-04-2025 01:56:00	27.25 < D					
04-04-2025 09:56:00	27.71 < D					
04-04-2025 17:56:00	27.27 < D					
05-04-2025 01:56:00	27.23 < D					
05-04-2025 09:56:00	27.45 < D					
05-04-2025 17:56:00	27.22 < D					
06-04-2025 01:56:00	27.39 < D					
06-04-2025 09:56:00	27.82 < D					
06-04-2025 17:56:00	27.33 < D					
07-04-2025 01:56:00	27.34 < D					
07-04-2025 09:56:00	27.20 < D					
07-04-2025 17:56:00	27.10 < D					
08-04-2025 01:56:00	26.73 < D					
08-04-2025 09:56:00	26.99 < D					
08-04-2025 17:56:00	26.54 < D					
09-04-2025 01:56:00	26.48 < D					
09-04-2025 09:56:00	27.35 < D					
09-04-2025 17:56:00	26.80 < D					
10-04-2025 01:56:00	26.50 < D					

Calender	PM Avg					
Units	mg/Nm3					
Range	0 - 150					
10-04-2025 09:56:00	26.74 < D					
10-04-2025 17:56:00	26.76 < D					
11-04-2025 01:56:00	26.57 < D					
11-04-2025 09:56:00	26.53 < D					
11-04-2025 17:56:00	26.51 < D					
12-04-2025 01:56:00	26.53 < D					
12-04-2025 09:56:00	26.82 < D					
12-04-2025 17:56:00	27.14 < D					
13-04-2025 01:56:00	27.35 < D					
13-04-2025 09:56:00	27.44 < D					
13-04-2025 17:56:00	27.01 < D					
14-04-2025 01:56:00	27.37 < D					
14-04-2025 09:56:00	26.88 < D					
14-04-2025 17:56:00	27.22 < D					
15-04-2025 01:56:00	27.15 < D					
15-04-2025 09:56:00	27.51 < D					
15-04-2025 17:56:00	27.07 < D					
16-04-2025 01:56:00	27.02 < D					
16-04-2025 09:56:00	27.93 < D					
16-04-2025 17:56:00	27.37 < D					
17-04-2025 01:56:00	27.08 < D					
17-04-2025 09:56:00	27.81 < D					

Calender	PM Avg					
Units	mg/Nm3					
Range	0 - 150					
17-04-2025 17:56:00	26.67 < D					
18-04-2025 01:56:00	26.92 < D					
18-04-2025 09:56:00	27.53 < D					
18-04-2025 17:56:00	27.19 < D					
19-04-2025 01:56:00	27.04 < D					
19-04-2025 09:56:00	27.49 < D					
19-04-2025 17:56:00	27.13 < D					
20-04-2025 01:56:00	27.11 < D					
20-04-2025 09:56:00	27.69 < D					
20-04-2025 17:56:00	27.44 < D					
21-04-2025 01:56:00	27.31 < D					
21-04-2025 09:56:00	26.82 < D					
21-04-2025 17:56:00	25.15 < D					
22-04-2025 01:56:00	26.79 < D					
22-04-2025 09:56:00	27.63 < D					
22-04-2025 17:56:00	25.75 <					
23-04-2025 01:56:00	26.85 <					
23-04-2025 09:56:00	27.65 < D					
23-04-2025 17:56:00	26.59 < D					
24-04-2025 01:56:00	26.75 < D					
24-04-2025 09:56:00	27.20 < D					
24-04-2025 17:56:00	26.86 < D					

Calender	PM Avg					
Units	mg/Nm3					
Range	0 - 150					
25-04-2025 01:56:00	27.08 < D					
25-04-2025 09:56:00	27.53 < D					
25-04-2025 17:56:00	26.85 < D					
26-04-2025 01:56:00	27.21 < D					
26-04-2025 09:56:00	27.38 <					
26-04-2025 17:56:00	25.48 < D					
27-04-2025 01:56:00	24.99 < D					
27-04-2025 09:56:00	25.41 < D					
27-04-2025 17:56:00	25.05 < D					
28-04-2025 01:56:00	24.99 <					
28-04-2025 09:56:00	25.00 < D					
28-04-2025 17:56:00	26.49 < D					
29-04-2025 01:56:00	26.87 < D					
29-04-2025 09:56:00	27.86 < D					
29-04-2025 17:56:00	27.52 < D					
30-04-2025 01:56:00	26.95 <					
30-04-2025 09:56:00	27.72 < D					
30-04-2025 17:56:00	27.41 < D					
01-05-2025 01:56:00	27.00 < D					
01-05-2025 09:56:00	27.22 < D					
01-05-2025 17:56:00	26.34 < D					
02-05-2025 01:56:00	26.26 < D					

Calender	PM Avg					
Units	mg/Nm3					
Range	0 - 150					
02-05-2025 09:56:00	26.23 < D					
02-05-2025 17:56:00	25.96 < D					
03-05-2025 01:56:00	25.91 < D					
03-05-2025 09:56:00	25.97 < D					
03-05-2025 17:56:00	26.31 < D					
04-05-2025 01:56:00	25.84 < D					
04-05-2025 09:56:00	26.39 < D					
04-05-2025 17:56:00	25.65 < D					
05-05-2025 01:56:00	25.64 < D					
05-05-2025 09:56:00	26.12 < D					
05-05-2025 17:56:00	25.87 < D					
06-05-2025 01:56:00	25.79 < D					
06-05-2025 09:56:00	26.36 < D					
07-05-2025 01:56:00	26.30 <					
07-05-2025 09:56:00	25.49 < D					
08-05-2025 01:56:00	26.25 < D					
08-05-2025 09:56:00	26.39 < D					
08-05-2025 17:56:00	25.93 < D					
09-05-2025 01:56:00	26.27 < D					
09-05-2025 09:56:00	26.42 < D					
09-05-2025 17:56:00	26.18 < D					
10-05-2025 01:56:00	26.15 <					

Calender	PM Avg					
Units	mg/Nm3					
Range	0 - 150					
10-05-2025 09:56:00	26.36 < D					
10-05-2025 17:56:00	25.83 < D					
11-05-2025 01:56:00	26.09 <					
11-05-2025 09:56:00	26.42 < D					
11-05-2025 17:56:00	26.17 <					
12-05-2025 01:56:00	26.19 <					
12-05-2025 09:56:00	26.50 < D					
12-05-2025 17:56:00	26.31 <					
13-05-2025 01:56:00	26.20 <					
13-05-2025 09:56:00	26.64 < D					
13-05-2025 17:56:00	25.86 <					
14-05-2025 01:56:00	25.93 <					
14-05-2025 09:56:00	26.64 < D					
14-05-2025 17:56:00	26.44 < D					
15-05-2025 01:56:00	26.19 < D					
15-05-2025 09:56:00	26.80 < D					
15-05-2025 17:56:00	26.35 < D					
16-05-2025 01:56:00	25.94 < D					
16-05-2025 09:56:00	26.81 < D					
16-05-2025 17:56:00	25.98 < D					
17-05-2025 01:56:00	26.25 < D					
17-05-2025 09:56:00	26.70 <					

Calender	PM Avg					
Units	mg/Nm3					
Range	0 - 150					
17-05-2025 17:56:00	26.43 <					
18-05-2025 01:56:00	26.28 < D					
18-05-2025 09:56:00	26.75 < D					
18-05-2025 17:56:00	26.36 < D					
19-05-2025 01:56:00	26.22 <					
19-05-2025 09:56:00	26.14 <					
19-05-2025 17:56:00	25.70 < D					
20-05-2025 01:56:00	26.30 < D					
20-05-2025 09:56:00	26.92 < D					
20-05-2025 17:56:00	26.26 <					
21-05-2025 01:56:00	26.14 <					
21-05-2025 09:56:00	26.81 < D					
21-05-2025 17:56:00	25.98 < D					
22-05-2025 01:56:00	26.13 < D					
22-05-2025 09:56:00	26.32 < D					
22-05-2025 17:56:00	26.06 <					
23-05-2025 01:56:00	26.10 < D					
23-05-2025 09:56:00	26.49 < D					
23-05-2025 17:56:00	26.25 < D					
24-05-2025 01:56:00	26.08 < D					
24-05-2025 09:56:00	26.39 < D					
24-05-2025 17:56:00	26.37 < D					

Calender	PM Avg					
Units	mg/Nm3					
Range	0 - 150					
25-05-2025 01:56:00	25.87 <					
25-05-2025 09:56:00	26.12 < D					
25-05-2025 17:56:00	25.63 < D					
26-05-2025 01:56:00	25.82 < D					
26-05-2025 09:56:00	26.80 <					
26-05-2025 17:56:00	26.18 < D					
27-05-2025 01:56:00	26.00 < D					
27-05-2025 09:56:00	26.60 <					
27-05-2025 17:56:00	26.43 <					
28-05-2025 01:56:00	22.84 < R					
28-05-2025 09:56:00	0.00 < R					
28-05-2025 17:56:00	0.00 < R					
29-05-2025 01:56:00	3.08 < R					
29-05-2025 09:56:00	26.80 < D					
30-05-2025 01:56:00	26.03 < D					
30-05-2025 09:56:00	26.29 < D					
30-05-2025 17:56:00	26.09 <					
31-05-2025 01:56:00	26.09 < D					
31-05-2025 09:56:00	26.79 < D					
31-05-2025 17:56:00	26.29 <					
01-06-2025 01:56:00	26.38 <					
01-06-2025 09:56:00	26.66 <					

Calender	PM Avg					
Units	mg/Nm3					
Range	0 - 150					
01-06-2025 17:56:00	26.05 < D					
02-06-2025 01:56:00	25.85 < D					
02-06-2025 09:56:00	26.50 < D					
02-06-2025 17:56:00	26.34 <					
03-06-2025 01:56:00	26.23 < D					
03-06-2025 09:56:00	26.58 < D					
03-06-2025 17:56:00	26.10 <					
04-06-2025 01:56:00	25.75 < D					
04-06-2025 09:56:00	26.68 <					
04-06-2025 17:56:00	26.02 <					
05-06-2025 01:56:00	25.91 < D					
05-06-2025 09:56:00	26.74 < D					
05-06-2025 17:56:00	26.06 < D					
06-06-2025 01:56:00	25.94 < D					
06-06-2025 09:56:00	27.20 < D					
06-06-2025 17:56:00	25.99 < D					
07-06-2025 01:56:00	26.47 < D					
07-06-2025 09:56:00	27.19 < D					
07-06-2025 17:56:00	26.66 <					
08-06-2025 01:56:00	26.29 <					
08-06-2025 09:56:00	26.46 < D					
08-06-2025 17:56:00	26.42 <					

Calender	PM Avg					
Units	mg/Nm3					
Range	0 - 150					
09-06-2025 01:56:00	26.02 < D					
09-06-2025 09:56:00	27.27 < D					
09-06-2025 17:56:00	26.90 < D					
10-06-2025 01:56:00	26.42 < D					
10-06-2025 09:56:00	27.23 < D					
10-06-2025 17:56:00	26.83 < D					
11-06-2025 01:56:00	26.47 < D					
11-06-2025 09:56:00	27.13 < D					
11-06-2025 17:56:00	26.55 < D					
12-06-2025 01:56:00	26.36 <					
12-06-2025 09:56:00	27.13 < D					
12-06-2025 17:56:00	26.60 <					
13-06-2025 01:56:00	26.48 < D					
13-06-2025 09:56:00	26.30 < D					
13-06-2025 17:56:00	26.28 <					
14-06-2025 01:56:00	26.11 < D					
14-06-2025 09:56:00	26.97 < D					
14-06-2025 17:56:00	26.81 <					
15-06-2025 01:56:00	26.54 < D					
15-06-2025 09:56:00	26.63 <					
15-06-2025 17:56:00	26.31 < D					
16-06-2025 01:56:00	26.43 < D					

Calender	PM Avg					
Units	mg/Nm3					
Range	0 - 150					
16-06-2025 09:56:00	26.78 < D					
16-06-2025 17:56:00	26.43 < D					
17-06-2025 01:56:00	26.32 < D					
17-06-2025 09:56:00	26.65 < D					
17-06-2025 17:56:00	26.34 <					
18-06-2025 01:56:00	26.17 <					
18-06-2025 09:56:00	26.85 < D					
18-06-2025 17:56:00	26.63 <					
19-06-2025 01:56:00	26.56 <					
19-06-2025 09:56:00	26.82 < D					
19-06-2025 17:56:00	26.57 <					
20-06-2025 01:56:00	26.64 <					
20-06-2025 09:56:00	27.13 < D					
20-06-2025 17:56:00	26.35 <					
21-06-2025 01:56:00	26.65 <					
21-06-2025 09:56:00	26.57 < D					
21-06-2025 17:56:00	25.02 < D					
22-06-2025 01:56:00	25.00 < D					
22-06-2025 09:56:00	26.14 <					
22-06-2025 17:56:00	26.41 < D					
23-06-2025 01:56:00	26.67 < D					
23-06-2025 09:56:00	26.90 < D					

Calender	PM Avg					
Units	mg/Nm3					
Range	0 - 150					
23-06-2025 17:56:00	26.74 <					
24-06-2025 01:56:00	26.61 < D					
24-06-2025 09:56:00	26.85 < D					
24-06-2025 17:56:00	26.61 <					
25-06-2025 01:56:00	26.44 <					
25-06-2025 09:56:00	26.63 < D					
25-06-2025 17:56:00	26.43 < D					
26-06-2025 01:56:00	26.40 <					
26-06-2025 09:56:00	27.27 < D					
26-06-2025 17:56:00	26.80 <					
27-06-2025 01:56:00	26.63 < D					
27-06-2025 09:56:00	26.95 < D					
27-06-2025 17:56:00	26.97 < D					
28-06-2025 01:56:00	26.58 <					
28-06-2025 09:56:00	26.74 < D					
28-06-2025 17:56:00	26.44 <					
29-06-2025 01:56:00	26.35 <					
29-06-2025 09:56:00	26.52 < D					
29-06-2025 17:56:00	26.26 <					
30-06-2025 01:56:00	26.35 < D					
30-06-2025 09:56:00	26.31 < D					
30-06-2025 17:56:00	26.22 < D					

Calender	PM Avg					
Units	mg/Nm3					
Range	0 - 150					
01-07-2025 01:56:00	26.31 < D					
01-07-2025 09:56:00	26.46 < D					
01-07-2025 17:56:00	26.50 <					
02-07-2025 01:56:00	26.11 <					
02-07-2025 09:56:00	26.25 < D					
02-07-2025 17:56:00	24.98 <					
03-07-2025 01:56:00	22.43 < R					
03-07-2025 09:56:00	0.00 < R					
03-07-2025 17:56:00	0.00 < R					
04-07-2025 01:56:00	0.00 < R					
04-07-2025 09:56:00	0.00 < R					
04-07-2025 17:56:00	0.00 < R					
05-07-2025 01:56:00	0.00 < R					
05-07-2025 09:56:00	0.00 < R					
05-07-2025 17:56:00	0.00 < R					
06-07-2025 01:56:00	3.41 < RD					
06-07-2025 09:56:00	25.22 < D					
06-07-2025 17:56:00	25.90 <					
07-07-2025 01:56:00	26.16 < D					
07-07-2025 09:56:00	26.17 < D					
07-07-2025 17:56:00	26.17 <					
08-07-2025 01:56:00	26.12 < D					

Calender	PM Avg					
Units	mg/Nm3					
Range	0 - 150					
08-07-2025 09:56:00	26.38 < D					
08-07-2025 17:56:00	26.78 <					
09-07-2025 01:56:00	26.34 < D					
09-07-2025 09:56:00	26.57 < D					
09-07-2025 17:56:00	26.07 < D					
10-07-2025 01:56:00	26.39 < D					
10-07-2025 09:56:00	26.48 < D					
10-07-2025 17:56:00	26.44 <					
11-07-2025 01:56:00	26.38 < D					
11-07-2025 09:56:00	26.65 < D					
11-07-2025 17:56:00	26.50 <					
12-07-2025 01:56:00	26.59 < D					
12-07-2025 09:56:00	26.83 < D					
12-07-2025 17:56:00	25.67 < D					
13-07-2025 01:56:00	25.00 <					
13-07-2025 09:56:00	25.00 < D					
13-07-2025 17:56:00	24.99 < D					
14-07-2025 01:56:00	25.00 < D					
14-07-2025 09:56:00	26.03 < D					
14-07-2025 17:56:00	26.53 <					
15-07-2025 01:56:00	26.37 <					
15-07-2025 09:56:00	26.37 < D					

Calender	PM Avg					
Units	mg/Nm3					
Range	0 - 150					
15-07-2025 17:56:00	26.22 < D					
16-07-2025 01:56:00	26.15 <					
16-07-2025 09:56:00	26.30 < D					
16-07-2025 17:56:00	26.20 < D					
17-07-2025 01:56:00	26.25 < D					
17-07-2025 09:56:00	26.33 < D					
17-07-2025 17:56:00	26.49 <					
18-07-2025 01:56:00	26.35 <					
18-07-2025 09:56:00	26.46 < D					
18-07-2025 17:56:00	26.41 < D					
19-07-2025 01:56:00	26.46 <					
19-07-2025 09:56:00	26.47 < D					
19-07-2025 17:56:00	26.45 <					
20-07-2025 01:56:00	26.57 < D					
20-07-2025 09:56:00	26.65 < D					
20-07-2025 17:56:00	26.46 < D					
21-07-2025 01:56:00	26.41 < D					
21-07-2025 09:56:00	26.35 < D					
21-07-2025 17:56:00	26.35 <					
22-07-2025 01:56:00	26.36 <					
22-07-2025 09:56:00	26.49 < D					
22-07-2025 17:56:00	26.52 < D					

Calender	PM Avg					
Units	mg/Nm3					
Range	0 - 150					
23-07-2025 01:56:00	26.43 <					
23-07-2025 09:56:00	26.41 < D					
23-07-2025 17:56:00	26.34 < D					
24-07-2025 01:56:00	26.39 < D					
24-07-2025 09:56:00	26.62 < D					
24-07-2025 17:56:00	26.55 <					
25-07-2025 01:56:00	26.68 < D					
25-07-2025 09:56:00	26.81 < D					
25-07-2025 17:56:00	26.60 < D					
26-07-2025 01:56:00	26.30 < D					
26-07-2025 09:56:00	26.05 < D					
26-07-2025 17:56:00	26.69 < D					
27-07-2025 01:56:00	26.63 < D					
27-07-2025 09:56:00	26.46 < D					
27-07-2025 17:56:00	26.40 < D					
28-07-2025 01:56:00	26.48 < D					
28-07-2025 09:56:00	26.43 < D					
28-07-2025 17:56:00	26.22 <					
29-07-2025 01:56:00	26.55 < D					
29-07-2025 09:56:00	26.29 < D					
29-07-2025 17:56:00	26.23 < D					
30-07-2025 01:56:00	26.40 < D					

Calender	PM Avg					
Units	mg/Nm3					
Range	0 - 150					
30-07-2025 09:56:00	26.39 < D					
30-07-2025 17:56:00	26.25 < D					
31-07-2025 01:56:00	26.40 < D					
31-07-2025 09:56:00	26.24 < D					
31-07-2025 17:56:00	26.15 <					
01-08-2025 01:56:00	26.05 < D					
01-08-2025 09:56:00	26.31 < D					
01-08-2025 17:56:00	26.11 <					
02-08-2025 01:56:00	26.21 < D					
02-08-2025 09:56:00	26.23 < D					
02-08-2025 17:56:00	26.36 < D					
03-08-2025 01:56:00	26.31 <					
03-08-2025 09:56:00	26.66 < D					
03-08-2025 17:56:00	26.29 < D					
04-08-2025 01:56:00	26.09 < D					
04-08-2025 09:56:00	26.38 < D					
04-08-2025 17:56:00	26.14 < D					
05-08-2025 01:56:00	25.75 < D					
05-08-2025 09:56:00	26.49 < D					
05-08-2025 17:56:00	26.30 < D					
06-08-2025 01:56:00	26.45 <					
06-08-2025 09:56:00	26.47 < D					

Calender	PM Avg					
Units	mg/Nm3					
Range	0 - 150					
06-08-2025 17:56:00	26.38 < D					
07-08-2025 01:56:00	26.28 < D					
07-08-2025 09:56:00	26.59 < D					
07-08-2025 17:56:00	26.37 < D					
08-08-2025 01:56:00	26.23 < D					
08-08-2025 09:56:00	26.39 < D					
08-08-2025 17:56:00	26.25 < D					
09-08-2025 01:56:00	26.34 <					
09-08-2025 09:56:00	26.40 < D					
09-08-2025 17:56:00	26.30 < D					
10-08-2025 01:56:00	26.36 <					
10-08-2025 09:56:00	26.59 < D					
10-08-2025 17:56:00	26.37 < D					
11-08-2025 01:56:00	26.20 < D					
11-08-2025 09:56:00	26.46 < D					
11-08-2025 17:56:00	26.15 < D					
12-08-2025 01:56:00	26.15 < D					
12-08-2025 09:56:00	26.38 < D					
12-08-2025 17:56:00	26.17 <					
13-08-2025 01:56:00	26.32 < D					
13-08-2025 09:56:00	26.47 < D					
13-08-2025 17:56:00	26.28 <					

Calender	PM Avg					
Units	mg/Nm3					
Range	0 - 150					
14-08-2025 01:56:00	26.25 < D					
14-08-2025 09:56:00	26.25 < D					
14-08-2025 17:56:00	26.32 <					
15-08-2025 01:56:00	26.37 < D					
15-08-2025 09:56:00	26.58 <					
15-08-2025 17:56:00	26.32 <					
16-08-2025 01:56:00	26.28 < D					
16-08-2025 09:56:00	26.87 < D					
16-08-2025 17:56:00	26.37 <					
17-08-2025 01:56:00	26.41 <					
17-08-2025 09:56:00	26.29 <					
17-08-2025 17:56:00	26.26 < D					
18-08-2025 01:56:00	26.04 < D					
18-08-2025 09:56:00	26.28 < D					
18-08-2025 17:56:00	26.09 <					
19-08-2025 01:56:00	26.17 < D					
19-08-2025 09:56:00	25.80 < D					
19-08-2025 17:56:00	25.91 <					
20-08-2025 01:56:00	25.81 < D					
20-08-2025 09:56:00	26.13 < D					
20-08-2025 17:56:00	26.18 <					
21-08-2025 01:56:00	26.11 < D					

Calender	PM Avg					
Units	mg/Nm3					
Range	0 - 150					
21-08-2025 09:56:00	26.18 < D					
21-08-2025 17:56:00	26.01 <					
22-08-2025 01:56:00	26.01 < D					
22-08-2025 09:56:00	26.24 < D					
22-08-2025 17:56:00	25.97 < D					
23-08-2025 01:56:00	25.93 < D					
23-08-2025 09:56:00	26.88 < D					
23-08-2025 17:56:00	25.99 < D					
24-08-2025 01:56:00	26.33 <					
24-08-2025 09:56:00	26.77 < D					
24-08-2025 17:56:00	26.47 < D					
25-08-2025 01:56:00	25.79 < D					
25-08-2025 09:56:00	25.40 < D					
25-08-2025 17:56:00	26.41 <					
26-08-2025 01:56:00	26.53 < D					
26-08-2025 09:56:00	26.44 < D					
26-08-2025 17:56:00	26.28 <					
27-08-2025 01:56:00	26.30 < D					
27-08-2025 09:56:00	26.63 < D					
27-08-2025 17:56:00	26.66 <					
28-08-2025 01:56:00	26.56 <					
28-08-2025 09:56:00	26.83 < D					

Calender	PM Avg					
Units	mg/Nm3					
Range	0 - 150					
28-08-2025 17:56:00	26.79 <					
29-08-2025 01:56:00	26.28 <					
29-08-2025 09:56:00	26.44 < D					
29-08-2025 17:56:00	26.57 <					
30-08-2025 01:56:00	26.43 < D					
30-08-2025 09:56:00	26.52 < D					
30-08-2025 17:56:00	26.83 <					
31-08-2025 01:56:00	26.62 <					
31-08-2025 09:56:00	26.61 < D					
31-08-2025 17:56:00	26.56 <					
01-09-2025 01:56:00	26.52 < D					
01-09-2025 09:56:00	26.47 < D					
01-09-2025 17:56:00	26.50 < D					
02-09-2025 01:56:00	26.46 < D					
02-09-2025 09:56:00	26.38 < D					
02-09-2025 17:56:00	26.44 <					
03-09-2025 01:56:00	26.44 <					
03-09-2025 09:56:00	26.39 < D					
03-09-2025 17:56:00	26.20 < D					
04-09-2025 01:56:00	26.23 < D					
04-09-2025 09:56:00	26.76 < D					
04-09-2025 17:56:00	26.51 <					

Calender	PM Avg					
Units	mg/Nm3					
Range	0 - 150					
05-09-2025 01:56:00	26.33 < D					
05-09-2025 09:56:00	26.40 < D					
05-09-2025 17:56:00	26.36 < D					
06-09-2025 01:56:00	26.45 < D					
06-09-2025 09:56:00	26.64 < D					
06-09-2025 17:56:00	26.25 < D					
07-09-2025 01:56:00	26.27 <					
07-09-2025 09:56:00	26.60 < D					
07-09-2025 17:56:00	26.45 <					
08-09-2025 01:56:00	26.26 <					
08-09-2025 09:56:00	26.53 < D					
09-09-2025 01:56:00	26.58 <					
09-09-2025 09:56:00	25.68 < D					
09-09-2025 17:56:00	26.66 <					
10-09-2025 01:56:00	26.39 < D					
10-09-2025 09:56:00	26.46 < D					
10-09-2025 17:56:00	26.67 <					
11-09-2025 01:56:00	26.64 < D					
11-09-2025 09:56:00	26.73 < D					
12-09-2025 01:56:00	26.92 <					
12-09-2025 09:56:00	26.58 < D					
12-09-2025 17:56:00	26.66 < D					

Calender	PM Avg					
Units	mg/Nm3					
Range	0 - 150					
13-09-2025 01:56:00	26.63 < D					
13-09-2025 09:56:00	26.76 < D					
13-09-2025 17:56:00	26.57 < D					
14-09-2025 01:56:00	26.53 < D					
14-09-2025 09:56:00	25.68 < D					
14-09-2025 17:56:00	26.61 < D					
15-09-2025 01:56:00	26.71 < D					
15-09-2025 09:56:00	26.79 < D					
16-09-2025 01:56:00	26.13 <					
16-09-2025 09:56:00	26.58 < D					
16-09-2025 17:56:00	26.66 < D					
17-09-2025 01:56:00	26.86 < D					
17-09-2025 09:56:00	26.54 < D					
17-09-2025 17:56:00	26.29 < D					
18-09-2025 01:56:00	25.00 < D					
18-09-2025 09:56:00	25.42 < D					
18-09-2025 17:56:00	26.38 < D					
19-09-2025 01:56:00	26.34 <					
19-09-2025 09:56:00	26.81 < D					
19-09-2025 17:56:00	26.56 <					
20-09-2025 01:56:00	26.33 <					
20-09-2025 09:56:00	26.71 < D					

Calender	PM Avg					
Units	mg/Nm3					
Range	0 - 150					
20-09-2025 17:56:00	26.39 <					
21-09-2025 01:56:00	26.57 <					
21-09-2025 09:56:00	26.73 < D					
21-09-2025 17:56:00	26.39 < D					
22-09-2025 01:56:00	26.37 < D					
22-09-2025 09:56:00	26.66 < D					
22-09-2025 17:56:00	26.27 < D					
23-09-2025 01:56:00	26.21 < D					
23-09-2025 09:56:00	26.59 < D					
23-09-2025 17:56:00	26.16 < D					
24-09-2025 01:56:00	26.31 < D					
24-09-2025 09:56:00	26.82 < D					
24-09-2025 17:56:00	26.46 <					
25-09-2025 01:56:00	26.52 < D					
25-09-2025 09:56:00	26.80 < D					
25-09-2025 17:56:00	26.58 <					
26-09-2025 01:56:00	26.20 < D					
26-09-2025 09:56:00	26.70 < D					
26-09-2025 17:56:00	26.58 < D					
27-09-2025 01:56:00	26.56 < D					
27-09-2025 09:56:00	27.27 < D					
27-09-2025 17:56:00	26.80 < D					

Calender	PM Avg					
Units	mg/Nm3					
Range	0 - 150					
28-09-2025 01:56:00	26.51 <					
28-09-2025 09:56:00	27.24 < D					
28-09-2025 17:56:00	26.79 < D					
29-09-2025 01:56:00	26.52 < D					
29-09-2025 09:56:00	27.03 < D					
29-09-2025 17:56:00	26.80 < D					
30-09-2025 01:56:00	26.45 < D					
30-09-2025 09:56:00	26.61 < D					

### Report Summary

Average	25.85					
Maximum	27.93					
Minimum	0.00					
Std.Deviation	3.90					
Geom.Mean	26.20					
Median	26.43					
Mode	0.00					
Total Active Duration						



# GROUND WATER DEPARTMENT

(Namami Gange & Rural Water Supply Department)

Ministry of Jal Shakti  
Government of Uttar Pradesh

## Form 8 (C)

[See Rule 8(1)]

### AUTHORIZATION/ NO-OBJECTION CERTIFICATE FOR SINKING OF NEW / EXISTING WELL FOR INDUSTRIAL/ COMMERCIAL/ INFRASTRUCTURAL OR BULK USER OF GROUND WATER

[Under Section 14 of the Uttar Pradesh Ground Water Management and Regulation Act, 2019.]

AUTHORIZATION/ NO-OBJECTION CERTIFICATE NO: NOC019222

VALID FROM 19/11/2022 TO 18/11/2027

{UIS10(1) of the Uttar Pradesh Ground Water Management and Regulation Act, 2019}

<b>Registration No.: 202211000294</b>			
Name of the Owner	RAKESH KUMAR		
Designation पद	MANAGER HR & LEGAL	Company Name कंपनी का नाम	M/s INDIAN POTASH LIMITED DISTILLERY UNIT
Company Address कंपनी का पता	ROHANA KALAN,VILL. BAHEDI,MUZAFFARNAGAR	Authorization Letter प्राधिकार पत्र	Download
Address of the Applicant	Rohana Kalan, Vill. Bahedi, P.O. Rohana Mill, Block Charthawal , Muzaffarnagar U.P.	Application No.	MZFN1122NIN0141
Date of Submission	10/11/2022	Specimen Signature	
<b>Location Particulars</b>			
District	Muzaffar Nagar	Block	CHARRTHAVAL
Plot No./Khasra No.	ROHANA KALAN,VILL. BAHEDI,MUZAFFARNAGAR	Municipality/Corporation	No
Ward No./Holding No.	N/A		
<b>Particular of the Proposed Well and Pumping Device</b>			
Date of Construction/Sinking of the Well	22/11/2022		
Type of Well	Tube Well/Boring	Depth of the Well (In meter)	120.00
Purpose of well	Industrial	Assembly Size(For Tube Well)	
<b>Strainer Position (For Tube Well)</b>			
Type of Pump Used	Submersible	H.P. of the Pump	15.00
Operational Device	Electric Motor	Rate of Withdrawal (m <sup>3</sup> /hr.)	50.00
Date of Energization (In Case of Electric Pump)		28/11/2022	
Maximum Allowable Rate of Withdrawal (m <sup>3</sup> /hr.):	50.00	Maximum Allowable Running Hours Per Day:	6.00
Maximum Allowable Annual Extraction of Ground Water:	105000	Recharge Required	52500.00

- This No-Objection certificate authorizes the owner applicant (user) to sink a well in the location specified at SI. (2) for extraction of ground water at a rate not exceeding that as shown at SI. (3j), for Running Hours per day as shown at SI. (3k), and for maximum allowable annual extraction of ground water as shown at SI. (3k) and is valid subject to the observance of the conditions stated overleaf.
- Holder of this NOC is hereby directed to assure annual recharge of 52500.00 cubic meter, as specified under the application form within the given time period.

### GENERAL CONDITIONS:

- Holder of this NOC is hereby directed to fill from 1(A) for registering his/her well within 90 days as mentioned in application form shall only started after registration of his/her NOC.
- In case of any change of ownership of the proposed well, fresh authorization has to be obtained.
- All Users abstracting ground water in excess of 100 m<sup>3</sup>/d shall be required to submit impact assessment report prepared by an accredited consultant from CGWA and National Accreditation Board for Education and Training (NABET). The report should highlight environmental risks and proposed management strategies to overcome any significant environmental issues such as ground water level decline, land subsidence etc. within three months of completion of the same to Ground Water Department Uttar Pradesh. The list of accredited Individuals/ Institutions is available on the official web-portal of CGWA.
- For the purpose of measuring and recording the quantity of ground water extracted, every said user shall affix digital water flow meters (conforming to BIS/ IS standards) having telemetry system in the abstraction structure, which record rate and quantum of extraction, at outlet of pumping devices and it shall be presumed that the quantity recorded by the meter has been extracted by the said user, until the contrary is proved. The rate of extraction of ground water from the well shall not exceed to the recorded rate from water meters
- The concerned Authority reserves the right to stop extraction of ground water from the well due to quality hazards or any other reasons, if the situation so demands
- In case of any change of ownership of the existing well, fresh registration has to be obtained.
- No change of location, design, rate of withdrawal and pumping device in respect of the existing well of this certificate shall be made without prior permission of the Competent Authority. Any deviation in this regard shall lead to cancellation of this registration
- In case, any of the particulars I information furnished by the applicant in his application for issuance of this registration is found to be incorrect during verification at any subsequent stage , this registration is liable for cancellation.
- The Certificate of Authorization/ NOC shall be valid for a period of five years from the date of issue. The applicant shall have to apply for renewal through a fresh application, at least ninety days prior to expiry of its validity.
- Construction of piezometers and installation of digital water level recorders with telemetry shall be mandatory for user. Depth and zone tapped of piezometer should be commensurate with that of the pumping well. The data, obtained from digital water level recorders shall be made available to this office on monthly basis
- **Guidelines for Installation of Piezometers and their Monitoring**

Piezometer is a borewell /tubewell used only for measuring the water level by lowering the tape/ sounder or automatic water level measuring equipment. It is also used to take water sample for water quality testing when ever needed. General guidelines for installation of piezometers are as follows:

- The piezometer is to be installed/constructed at the minimum of 50 m distance from the pumping well through which ground water is being withdrawn. The diameter of the piezometer should be about 4" to 6".
- The depth of the piezometer should be same as is case of the pumping well from which ground water is being abstracted. If, more than one piezometers are installed the second piezometer should monitor the shallow ground water regime. It will facilitate shallow as well as deeper ground water aquifer monitoring.
- No. of piezometers to be constructed & Type of water level monitoring mechanism shall be as per below table:

S.No	Quantum of Ground water withdrawal (cum/day)	No.of piezometers required	Monitoring Mechanism	
			Manual	DWLR with Telemetry
1	< 10	0	0	0
2	11 - 50	1	1	0
3	50- 500	1	0	1
4	> 500	2	0	2

- The measuring frequency should be monthly and accuracy of measurement should be up to cm. the reported measurement should be given in meter upto two decimal.
- For measurement of water level sounder or automatic water level recorder (AWLR)/ Digital Automatic water level recorder (DWLR) with telemetry system should be used for accuracy.
- The measurement of water level in piezometer should be taken, only after the pumping from the surrounding tube wells has been stopped for about four to six hours.
- All the details regarding coordinates, reduced level (with respect to mean level), depth, zone tapped and assembly lowered should be provided for bringing the piezometer into the Hydrograph Monitoring System for Ground Water Department, Uttar Pradesh, and for its validation.
- The ground water quality has to be monitored twice in a year during pre-monsoon (May/June) and post-monsoon (October/November) periods. Quality may be got analyzed from NABL approved lab. Besides, one sample (1 lt capacity bottle) to the concerned Director, Ground Water Department, Uttar Pradesh, for chemical analysis.
- A Permanent display board should be installed at piezometer/Tube wells site for providing the location, piezometer/ tube well number, depth and zone tapped of piezometer/tube well for standard referencing and identification.
- Any other site specific requirement regarding safety and access for measurement may be taken care of.
- Any other condition(s) that may be imposed by the concerned Authority.
- In case, any of the particulars I information furnished by the applicant in his application for issuance of this permit is found to be incorrect during verification at any subsequent stage, this permit is liable for cancellation.
- 
- **SPECIFIC CONDITIONS:**
- **(A) For Industrial User:** No Objection Certificate for ground water extraction by industries shall be granted subject to the following specific conditions:

- i) No Objection Certificate shall be granted only in such cases where local government water supply agencies are not able to supply the desired quantity of water.
- ii) All industries shall be required to adopt latest water efficient technologies so as to reduce dependence on ground water resources.
- iii) All industries abstracting ground water in excess of 100 m<sup>3</sup>/d shall be required to undertake annual water audit through Confederation of Indian Industries (CII)/ Federation Indian Chamber of Commerce and Industry (FICCI)/ National Productivity Council (NPC)/ PHD Chamber of Commerce & Industries / Laghu Udyog Bharati certified auditors and submit audit reports within three months of completion of the same to Ground Water Department Uttar Pradesh. All such industries shall be required to reduce their ground water use by at least 20% over the next five years through appropriate means.
- iv) Construction of observation well(s) (piezometer)(s) within the premises and installation of appropriate water level monitoring mechanism as mentioned in General Condition no.10 shall be mandatory for industries drawing/ proposing to draw more than 10 m<sup>3</sup> /day of ground water and. Monitoring of water level shall be done by the project proponent. The piezometer (observation well) shall be constructed at a minimum distance of 50 m from the bore well/production well. Depth and aquifer zone tapped in the piezometer shall be the same as that of the pumping well/ wells. Monthly water level data shall be submitted online to the Ground Water Department, UP.
- v) The proponent shall be required to adopt roof top rain water harvesting/ recharge in the project premises. Industries which are likely to pollute ground water (chemical, pharmaceutical, dyes, pigments, paints, textiles, tannery, pesticides/ insecticides, fertilizers, slaughter house, explosives etc.) shall store the harvested rain water in surface storage tanks for use in the industry.
- vi) Injection of treated/ untreated waste water into aquifer system is strictly prohibited.
- vii) Industries which are likely to cause ground water pollution e.g. Tanning, Slaughter Houses, Dye, Chemical/ Petrochemical, Coal washeries, other hazardous units etc. (as per CPCB list) need to undertake necessary well head protection measures to ensure prevention of ground water pollution.
- 
- **(B) Infrastructural User:** The No Objection Certificate for ground water abstraction will be granted subject to the following specific conditions:
- i) In case of infrastructure projects that require dewatering, proponent shall be required to carry out regular monitoring of dewatering discharge rate (using a digital water flow meter) and submit the data online to Ground Water Department, UP as applicable. Monitoring records and results should be retained by the proponent for two years, for inspection or reporting as required by District Ground Water Management Council.
- ii) Installation of Sewage Treatment Plants (STP) shall be mandatory for new projects, where ground water requirement is more than 20 m<sup>3</sup> /day. The water from STP shall be utilized for toilet flushing, car washing, gardening etc

Date :27/11/2022

Place:Muzaffar Nagar

**This certificate is electronically generated and does not require digital signature**



# GROUND WATER DEPARTMENT

(Namami Gange & Rural Water Supply Department)

Ministry of Jal Shakti  
Government of Uttar Pradesh

## Form 8 (C)

[See Rule 8(1)]

### AUTHORIZATION/ NO-OBJECTION CERTIFICATE FOR SINKING OF NEW / EXISTING WELL FOR INDUSTRIAL/ COMMERCIAL/ INFRASTRUCTURAL OR BULK USER OF GROUND WATER

[Under Section 14 of the Uttar Pradesh Ground Water Management and Regulation Act, 2019.]

AUTHORIZATION/ NO-OBJECTION CERTIFICATE NO: NOC029021

VALID FROM 19/11/2022 TO 18/11/2027

{UIS10(1) of the Uttar Pradesh Ground Water Management and Regulation Act, 2019}

<b>Registration No.: 202211000293</b>			
Name of the Owner	RAKESH KUMAR		
Designation पद	MANAGER HR & LEGAL	Company Name कंपनी का नाम	M/s INDIAN POTASH LIMITED DISTILLERY UNIT
Company Address कंपनी का पता	ROHANA KALAN,VILL. BAHEDI,MUZAFFARNAGAR	Authorization Letter प्राधिकार पत्र	Download
Address of the Applicant	Rohana Kalan, Vill. Bahedi, P.O. Rohana Mill, Block Charthawal , Muzaffarnagar U.P.	Application No.	MZFN1122NIN0140
Date of Submission	10/11/2022	Specimen Signature	
<b>Location Particulars</b>			
District	Muzaffar Nagar	Block	CHARRTHAVAL
Plot No./Khasra No.	ROHANA KALAN,VILL. BAHEDI,MUZAFFARNAGAR	Municipality/Corporation	No
Ward No./Holding No.	N/A		
<b>Particular of the Proposed Well and Pumping Device</b>			
Date of Construction/Sinking of the Well	20/11/2022		
Type of Well	Tube Well/Boring	Depth of the Well (In meter)	120.00
Purpose of well	Industrial	Assembly Size(For Tube Well)	
<b>Strainer Position (For Tube Well)</b>			
Type of Pump Used	Submersible	H.P. of the Pump	15.00
Operational Device	Electric Motor	Rate of Withdrawal (m <sup>3</sup> /hr.)	50.00
Date of Energization (In Case of Electric Pump)		27/11/2022	
Maximum Allowable Rate of Withdrawal (m <sup>3</sup> /hr.):	50.00	Maximum Allowable Running Hours Per Day:	6.00
Maximum Allowable Annual Extraction of Ground Water:	105000	Recharge Required	52500.00

- This No-Objection certificate authorizes the owner applicant (user) to sink a well in the location specified at SI. (2) for extraction of ground water at a rate not exceeding that as shown at SI. (3j), for Running Hours per day as shown at SI. (3k), and for maximum allowable annual extraction of ground water as shown at SI. (3k) and is valid subject to the observance of the conditions stated overleaf.
- Holder of this NOC is hereby directed to assure annual recharge of 52500.00 cubic meter, as specified under the application form within the given time period.

### GENERAL CONDITIONS:

- Holder of this NOC is hereby directed to fill from 1(A) for registering his/her well within 90 days as mentioned in application form shall only started after registration of his/her NOC.
- In case of any change of ownership of the proposed well, fresh authorization has to be obtained.
- All Users abstracting ground water in excess of 100 m<sup>3</sup>/d shall be required to submit impact assessment report prepared by an accredited consultant from CGWA and National Accreditation Board for Education and Training (NABET). The report should highlight environmental risks and proposed management strategies to overcome any significant environmental issues such as ground water level decline, land subsidence etc. within three months of completion of the same to Ground Water Department Uttar Pradesh. The list of accredited Individuals/ Institutions is available on the official web-portal of CGWA.
- For the purpose of measuring and recording the quantity of ground water extracted, every said user shall affix digital water flow meters (conforming to BIS/ IS standards) having telemetry system in the abstraction structure, which record rate and quantum of extraction, at outlet of pumping devices and it shall be presumed that the quantity recorded by the meter has been extracted by the said user, until the contrary is proved. The rate of extraction of ground water from the well shall not exceed to the recorded rate from water meters
- The concerned Authority reserves the right to stop extraction of ground water from the well due to quality hazards or any other reasons, if the situation so demands
- In case of any change of ownership of the existing well, fresh registration has to be obtained.
- No change of location, design, rate of withdrawal and pumping device in respect of the existing well of this certificate shall be made without prior permission of the Competent Authority. Any deviation in this regard shall lead to cancellation of this registration
- In case, any of the particulars I information furnished by the applicant in his application for issuance of this registration is found to be incorrect during verification at any subsequent stage , this registration is liable for cancellation.
- The Certificate of Authorization/ NOC shall be valid for a period of five years from the date of issue. The applicant shall have to apply for renewal through a fresh application, at least ninety days prior to expiry of its validity.
- Construction of piezometers and installation of digital water level recorders with telemetry shall be mandatory for user. Depth and zone tapped of piezometer should be commensurate with that of the pumping well. The data, obtained from digital water level recorders shall be made available to this office on monthly basis
- **Guidelines for Installation of Piezometers and their Monitoring**

Piezometer is a borewell /tubewell used only for measuring the water level by lowering the tape/ sounder or automatic water level measuring equipment. It is also used to take water sample for water quality testing when ever needed. General guidelines for installation of piezometers are as follows:

- The piezometer is to be installed/constructed at the minimum of 50 m distance from the pumping well through which ground water is being withdrawn. The diameter of the piezometer should be about 4" to 6".
- The depth of the piezometer should be same as is case of the pumping well from which ground water is being abstracted. If, more than one piezometers are installed the second piezometer should monitor the shallow ground water regime. It will facilitate shallow as well as deeper ground water aquifer monitoring.
- No. of piezometers to be constructed & Type of water level monitoring mechanism shall be as per below table:

S.No	Quantum of Ground water withdrawal (cum/day)	No.of piezometers required	Monitoring Mechanism	
			Manual	DWLR with Telemetry
1	< 10	0	0	0
2	11 - 50	1	1	0
3	50- 500	1	0	1
4	> 500	2	0	2

- The measuring frequency should be monthly and accuracy of measurement should be up to cm. the reported measurement should be given in meter upto two decimal.
- For measurement of water level sounder or automatic water level recorder (AWLR)/ Digital Automatic water level recorder (DWLR) with telemetry system should be used for accuracy.
- The measurement of water level in piezometer should be taken, only after the pumping from the surrounding tube wells has been stopped for about four to six hours.
- All the details regarding coordinates, reduced level (with respect to mean level), depth, zone tapped and assembly lowered should be provided for bringing the piezometer into the Hydrograph Monitoring System for Ground Water Department, Uttar Pradesh, and for its validation.
- The ground water quality has to be monitored twice in a year during pre-monsoon (May/June) and post-monsoon (October/November) periods. Quality may be got analyzed from NABL approved lab. Besides, one sample (1 lt capacity bottle) to the concerned Director, Ground Water Department, Uttar Pradesh, for chemical analysis.
- A Permanent display board should be installed at piezometer/Tube wells site for providing the location, piezometer/ tube well number, depth and zone tapped of piezometer/tube well for standard referencing and identification.
- Any other site specific requirement regarding safety and access for measurement may be taken care of.
- Any other condition(s) that may be imposed by the concerned Authority.
- In case, any of the particulars I information furnished by the applicant in his application for issuance of this permit is found to be incorrect during verification at any subsequent stage, this permit is liable for cancellation.
- 
- **SPECIFIC CONDITIONS:**
- **(A) For Industrial User:** No Objection Certificate for ground water extraction by industries shall be granted subject to the following specific conditions:

- i) No Objection Certificate shall be granted only in such cases where local government water supply agencies are not able to supply the desired quantity of water.
- ii) All industries shall be required to adopt latest water efficient technologies so as to reduce dependence on ground water resources.
- iii) All industries abstracting ground water in excess of 100 m<sup>3</sup>/d shall be required to undertake annual water audit through Confederation of Indian Industries (CII)/ Federation Indian Chamber of Commerce and Industry (FICCI)/ National Productivity Council (NPC)/ PHD Chamber of Commerce & Industries / Laghu Udyog Bharati certified auditors and submit audit reports within three months of completion of the same to Ground Water Department Uttar Pradesh. All such industries shall be required to reduce their ground water use by at least 20% over the next five years through appropriate means.
- iv) Construction of observation well(s) (piezometer)(s) within the premises and installation of appropriate water level monitoring mechanism as mentioned in General Condition no.10 shall be mandatory for industries drawing/ proposing to draw more than 10 m<sup>3</sup> /day of ground water and. Monitoring of water level shall be done by the project proponent. The piezometer (observation well) shall be constructed at a minimum distance of 50 m from the bore well/production well. Depth and aquifer zone tapped in the piezometer shall be the same as that of the pumping well/ wells. Monthly water level data shall be submitted online to the Ground Water Department, UP.
- v) The proponent shall be required to adopt roof top rain water harvesting/ recharge in the project premises. Industries which are likely to pollute ground water (chemical, pharmaceutical, dyes, pigments, paints, textiles, tannery, pesticides/ insecticides, fertilizers, slaughter house, explosives etc.) shall store the harvested rain water in surface storage tanks for use in the industry.
- vi) Injection of treated/ untreated waste water into aquifer system is strictly prohibited.
- vii) Industries which are likely to cause ground water pollution e.g. Tanning, Slaughter Houses, Dye, Chemical/ Petrochemical, Coal washeries, other hazardous units etc. (as per CPCB list) need to undertake necessary well head protection measures to ensure prevention of ground water pollution.
- 
- **(B) Infrastructural User:** The No Objection Certificate for ground water abstraction will be granted subject to the following specific conditions:
- i) In case of infrastructure projects that require dewatering, proponent shall be required to carry out regular monitoring of dewatering discharge rate (using a digital water flow meter) and submit the data online to Ground Water Department, UP as applicable. Monitoring records and results should be retained by the proponent for two years, for inspection or reporting as required by District Ground Water Management Council.
- ii) Installation of Sewage Treatment Plants (STP) shall be mandatory for new projects, where ground water requirement is more than 20 m<sup>3</sup> /day. The water from STP shall be utilized for toilet flushing, car washing, gardening etc

Date :01/12/2022

Place: Muzaffar Nagar

**This certificate is electronically generated and does not require digital signature**

## Photographs of Chemical Handling Training



INDIAN POTASH LIMITED, DISTILLERY UNIT ROHANA KALAN  
MUZAFFARNAGAR

S.No.	Employees Name	Father's Name	Designation	D.O.B	D.O.J.	Address
1	Mr. Ramesh Kumar Sharma	Dr. Shyam Kumar Sharma	General Manager	30-06-1972	17-12-2021	B45, AKSHARDHAM COLONY ROORKEE ROAD MODIPURAM, MAWANA, MEERUT 250110
2	Mr. Mohit Kumar	Shri Chandravir Singh	Sr. Officer(Safety & Environment)	01-07-1986	01-06-2021	VPO Dhindhwali, Post- Titawi, Distt- Muzaffarnagar 251318
3	Mr. Waseem Ahmad	Mohd Mohsin	Mechanical Maintenance I/c	03-05-1992	22-11-2021	549, BHOOJ KHANA, BHULLANSHAH, DEOBAND, SAHARANPUR 247554
4	Mr. Manoj Kumar	Shri Jai Singh	Instrumentation Maintenance I/c	01-10-1976	26-11-2021	VILL & POST- LISARH, SHAMU 247776
5	Mr. Vivek Pal	Shri Brahmopal Singh	Instrument Mechanic	21-07-1987	26-11-2021	L2, VILLAGE DAURALA, DAYANANDUPURI DAURALA, MEERUT 250221
6	MR. Rajeev Kumar	Shri Ashok Kumar	Lab Chemist	25-04-1978	07-12-2021	Village & Post- Chokra, Distt- Muzaffarnagar(U.P.)
7	Mr. Anuj Kumar	Shri Raghunath Singh	Officer (Ethanol Sales)	12-07-1992	17-01-2022	Village- Murtajapur Bulaki Urf Peda, Bijnor 246701
8	Mr. Vishvajeet Tyagi	Shri Taarendra Tyagi	Junior Officer(Store)	02-12-1994	01-02-2022	Vill & Post- Baheri, Muzaffarnagar 251202
9	Mr. Vivek Kumar Sharma	Shri Viendra Sharma	Electrical Incharge	19-05-1992	10-02-2022	Village & Post Badhai, Muzaffarnagar
10	Mr. Shahzad Ahamad	Shri Meera Hasan	Distillation Operator	08-08-1986	01-03-2022	Nirasi Urf Kadagarh, Shamli 247772
11	Mr. Mohit Kumar	Shri Om Prakash	Distillation Operator	13-11-1989	04-03-2022	187, Ghanti, Un, Shamli 247778
12	Mr. Rajendra Pal	Shri Ram Singh	Fermentation Operator	01-08-1970	10-03-2022	Sikanderpur Kalan, Muzaffarnagar 251201
13	Mr. Ahsaan Ahmad Ansari	Shri Niyaz Ahmad Ansari	Electrician	30-06-1993	14-03-2022	9, sisai, PO Belha, Balrampur 271201
14	Mr. Mohit Kumar	Shri Satpal	Instrument Technician	10-04-1992	14-03-2022	Village Rahmatpur, Post- Bhoppa, Muzaffarnagar 251308
15	Mr. Lokesh Kumar	Shri Pundev	Electrician	01-06-1987	15-03-2022	109, Shekhpura, Khatauli 251201
16	Mr. Mohit Gaur	Shri Omvir Singh	Decanter Operator	08-07-1993	15-03-2022	Village & Post Meerpur, Meerut 250502
17	Mr. Sandeep Kumar	Late Shri Raj Kumar	Instrument Technician	24-07-1987	21-03-2022	Village & Post- Adarsh Colony, Noorpur, Deoband 247554
18	Mr. Pramod Kumar	Shri Mangeram	Fitter	20-09-1980	21-03-2022	House No. 1181, Aderch Colony Tower Wali Gali, Muzaffarnagar 251001
19	Mr. Harminder Singh	Shri Baljor Singh	WTP/PCTP Operator	02-02-1980	21-03-2022	Vill. Mahablipur, Post Charthawal, Muzaffarnagar, 251311
20	Mr. Vipin Kumar Kashyap	Shri Krishanpal	Lab Chemist	20-08-1987	11-04-2022	No. 791/26/08 Rampuri, Muzaffarnagar
21	Mr. Sanjeev Seth	Late Sh. Hans Raj Seth	Dy. Manager(Warehouse)	22-10-1967	26-06-2023	Railbar Punjab Colony, Shamli(U.P.)
22	Mr. Devendra Kumar	Shri Madan Pal	Electrician	02-05-1986	26-06-2023	Vill Saidur Kalan, Post- Badhai Kalan, Muzaffarnagar
23	Mr. Ambuj Choudhary	Shri Pramod Kumar	Distillation Plant Operator	04-09-1997	11-08-2023	Village Salooni, Post- Sarsawa, Distt. Shararpur
24	Mr. Ravi Saini	Shri Brahamjeet Saini	Fitter	01-01-1991	05-12-2023	Village Bhardoor, Post- Bhikki, Muzaffarnagar
25	Mr. Shadov Kumar	Shri Vinod Kumar Sharma	Multi Effect Evaporator Operator	02-05-1987	14-03-2024	Village & Post- Tejhera, Distt- Muzaffarnagar
26	Mr. Vaibhav Kumar	Shri Upendra Kumar	Lab Chemist	07-10-1999	03-05-2024	251 Alipur Kalan, Distt- Muzaffarnagar
27	Mr. Deepak	Shri Ram Kumar	Instrument Technician	18-10-2000	08-07-2024	Sukh Vihar, Almaspur, Muzaffarnagar
28	Mr. Ravi Kumar	Shri Mainpal	MEE Operator	05-08-1991	20-08-2024	Village & Post- Badhai Khurd, Muzaffarnagar
29	Mr. Ankush Kumar	Shri Samarpal Singh	Distillation Cum Evoprtator Operator	04-03-2002	02-09-2024	Village Bhagjan, Post- Mangolpura, Bijnor
30	Mr. Abhishek Kumar	Shri Brijesh Kumar	Fermentation Optt.	26-06-1996	01-10-2024	Village Malakpur Post- Bagpat, Distt. Bagpat 250611

Ramesh Kumar Sharma

General Manager

INDIAN POTASH LTD.

(Distillary Unit)

Rohana Kalan, Muzaffarnagar (U.P.)

Dr. V.S. BENIWAL

General Manager

Sr. Medical Officer

IPL Rohana Kalan

Reg. No. 30938

आवकारी निरीक्षक

साधारण आवकारी आयुर्वेद

इन्डियन पोटाश लिमिटेड

इन्डियन पोटाश लिमिटेड

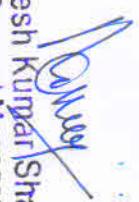
हिस्टरी यूनिट रोहना कला

हिस्टरी यूनिट रोहना कला

संयुक्त आवकारी आयुर्वेद

&lt;p

31	Mr. Shubham Agarwal	Shri Pawan Kumar Agarwal	Warehouse Asstt.	01-08-1992	01-10-2024	Mohalla- Brahaman, Shiv Chowk, Bijnor 246701
32	Mr. Pradip Kumar	Shri Ram Dayal	Fitter	12-05-1987	11-11-2024	Vill Amki Deep Chandpur, Post Magal, Saharanpur
33	Mr. Arpit Saini	Shri Braham Singh	Shift Incharge	13-10-1997	27-11-2024	B/20 Lakshmi Puram, Modipuram, Meerut
34	Mr. Bhoopender Kumar	Shri Babu Ram	IBR Welder Cum Fitter	07-07-1992	13-12-2024	VILL SEVA IWALAPUR TEHSIL MIERGANJ, POST SHAHI, BARDELLY (U.P.)
35	Mr. Bharat Singh	Shri Satyapal Singh	Asstt. General Manager(Prod.)	05-07-1982	01-02-2025	VILL & Post Titawala, Post- Ganjalpur, Bijnor
36	Mr. Pawan	Shri Ganga Dutt	Shift Incharge	10-01-1985	13-02-2025	VILL & Post Ahir Majra(Ganpur), Sonipat Haryana
37	Mr. Lalit Kumar	Shri Lakhman Singh	RO/DM Plant Operator	30-07-1992	21-02-2025	Village Jagaheri, Post Kazikhera, Muzaffarnagar
38	Mr. Devansh Kaushik	Shri. Suresh Chand Sharma	Store Clerk	15-02-1989	06-01-2021	VILL & Post- Sisauli, Muzaffarnagar 251319
39	Mr. Karamveer Singh	Shri. Bhonda Singh	Fitter	10-01-1980	11-03-2022	Village Kamal Nagar, Kukra, Muzaffarnagar 251001
40	Mr. Kapil Kumar Vaidwan	Shri. Mahesh Kumar	SBA	10-08-1992	01-04-2022	Muzaffarnagar
41	Mr. Anuj Kumar	Shri. Mahendra Singh	Ware House Optt.	05-10-1988	01-04-2022	752/2, Saket Colony, Muzaffarnagar
42	Mr. Sokintha Pal	Shri. Nahar Singh	Head Fitter	05-06-1974	25-11-2021	Village Mundhbar, Shamli
43	Mr. Gajendra Yadav	Shri. Ram Avtar	Store Boy	03-06-1986	15-12-2010	09, Krishana Bihari Colony, Tundla (U.P.)
44	Mr. Amit Kumar	Shri. Chandra Pal Singh	Electrician	07-03-1978	27-10-2022	Bachchan Singh Colony Gali No. 2, Muzaffarnagar
45	Mr. Manoj Kumar	Shri. Mangal	Electrician	01-01-1984	06-12-2022	Village- Landhur, Muzaffarnagar
46	Mr. Itiaroni Sharma	Shri. Jangeshwar	Fitter Helper	10-08-1987	16-06-2022	VILL & Post- Kanhaheri, Muzaffarnagar
47	Mr. Aman Shukla	Shri. Rajesh Shukla	Weightman Clerk	11-11-1998	28-04-2022	Navli, Gaddipal Pura, Jaitpur, Agra(U.P.)/283114
48	Mr. Goutam Kumar	Shri. Jeet Singh	Fermentation	30-06-1987	22-04-2024	Village Bhandoor, Post Bhikki, Dist- Muzaffarnagar
49	Prabhanshu Chauhan	Shri. Gajendra Singh	Lab Chemist	15-05-1993	12-11-2024	Sunder Nagar, Rampur Tiraha, Muzaffarnagar
50	Ravikant Gautam	Sh. Satish Kumar Gautam	SBA	24-04-2001	13-01-2025	Manak Chowk, Manglour, Haridwar

  
**Ramesh Kumar Sharma**  
 General Manager  
**INDIAN POTASH LTD.**  
 (Distillery Unit)  
 Rohana Kalan,  
 Rohana Kalan, Muzaffarnagar (U.P.)

  
**Dr. V.S. BENIWAL**  
 Sr. Medical Officer  
**IPL Rohana Kalan**  
 Reg. No. 30938

  
**आबकारी निरीक्षक**  
 इण्डियन पोटाश लिमिटेड  
 डिस्टिलरी यूनिट रोहाना कलान  
 जिला-मुजफ्फरनगर (उप्र०)

संयुक्त आबकारी आयुक्त  
 सहायनपुर प्रभार  
 ३१-१२-२०२४

  
 ज़हार्यक आबकारी आयुक्त  
 इण्डियन पोटाश लिमिटेड  
 डिस्टिलरी यूनिट रोहानाकला  
 जिला-मुजफ्फरनगर (उप्र०)

INDIAN POTASH LIMITED, DISTILLERY UNIT ROHANA KALAN

MUZAFFARNAGAR

DISTILLERY UNIT GANGOTRI MANPOWER DETAILS JOC & CASUAL

Sr. No.	NAME	Father's Name	DESIGNATION	DOB	DOJ	Address
1	Sandeep Kumar	Manaveer	Driver	02 February 1990	11 April 2022	500, Shahbuddinpur Muzaffarnagar
2	Akshay Kumar	Bhopal Singh Verma	Filter Helper	30 August 1990	1 April 2022	Alipur Kalan, Lalukher Muzaffarnagar
3	Ummid Singh	Krishan Kumar	Dim Plant oppt.	05 January 1995	21 May 2021	TEJAHERA Muzaffarnagar
4	Abhishek Sharma	Dharmendra Kumar Sharma	Filter Helper	21 December 1992	13 April 2022	156 Adrash colony Muzaffarnagar
5	Vipin Kumar	Mukesh Kumar	Filter Helper	01 January 1986	28 April 2022	Makundpur Muzaffarnagar
6	Tusar Tyagi	Dushyant	Decenter Helper	24 October 2002	2 May 2022	Ambehta Muzaffarnagar
7	Deepak Kumar	Gangaram	Filter	11 August 1997	15 June 2023	Mansupur Muzaffarnagar
8	Arpit Tyagi	Avind Kumar	Mee Plant. Helper	10 November 2001	7 July 2022	Rohana Muzaffarnagar
9	Divyansh	Manoj Kumar	CPU Optt	04 June 1995	23 March 2022	Meerabur Khurd Muzaffarnagar
10	Harendra Kumar Pal	Raj Kumar	Helper	01.08.1998	03.02.2024	Adresh Caloni Muzaffarnagar
11	Hariom	Satish	Ware House	30 June 2002	01.02.2024	Shawali Muzaffarnagar
12	Sawan Kumar	Avind Kumar Tyagi	Fermentation Helper	20 October 1997	2 May 2022	Muzaffarnagar
13	Harsh Kumar	Devendra Singh	Weighment Clerk	01 January 2001	28 April 2022	935, Kachauli, Kachauli Muzaffarnagar
14	Dravesh Kumar	Narendra Kumar	Purchase Clerk	15 August 1989	8 November 2021	Jat Caloni Sarkular Road Muzaffarnagar
15	Ankit Kumar	Surendra	ME Helper	28 July 1999	1 September 2022	Deoband Sharapur
16	Prashant	Brijveer Singh	Weighment Clerk	10 January 1990	1 September 2023	Muzaffarnagar
17	Ashok Kumar Tyagi	S.S Tyagi	Ps. To Gm	01 July 1961	1 November 2022	Mawana kalan Meerut
18	Sunil Kumar	Khilari Singh	Lab Boy	05 August 1979	21 November 2022	Ghaloli Sharapur
19	Arijun Singh	Balindar Kumar	ME Optt Hei.	13 March 1992	18.08.23	Akhlore Muzaffarnagar
20	Ankush Kumar	Sudeshpal	Lab Boy	04 December 2000	26 May 2022	Malira Muzaffarnagar
21	Shree Om	Bijendra Singh	Weighment Clerk	12 December 1988	5 October 2023	Doodhli Muzaffarnagar
22	Vikrant Chauhan	Vir Singh Chauhan	Compounder	04 July 1988	1 September 2024	Bulandsar

GANGOTRI MANPOWER  
SELECTED AGENCY

Rosh Sharma

General Manager

INDIAN POTASH LTD.

(Distillary Unit)

Rohana Kolan, Muzaffarnagar (U.P.)

Dr. V.S. BENIWAL

Sr. Medical Officer

IPL Rohana Kalan

Reg. No. 30938

आवाकारी नियंत्रक

इनिडियन पोटाश लिमिटेड

इरिटर्नरी यूनिट रोहना कला

संयुक्त अवाकारी आयुक्त

सहारनपुर प्रभार

मिला-मुजफ्फरनगर (उत्तरां)



**Manpower Strength of National Security Services in IPL Distillery Unit, ROHANA KALAN (MUZAFFARNAGAR)**

Sl. No.	Name (S/Shri)	Father's name (S/Shri)	DOB	DOJ	Designation	Address
1	Shri Pradeep Kumar Sharma	Sh. Ram kishan Sharma	15.02.1983	01.03.2020	Sr. Security Officer	V & PO- Nanheda Khurd, Post. Bahera, Distt. Saharanpur (UP)
2	" Bijendra Singh	" Ram Singh	01.04.1968	01.03.2023	Security Supervisor	V & PO- Bhora Khurd (Muzaffarnagar)
3	" Satish	" Jay pal Singh	30.12.1978	21.01.2025	Security Supervisor	V & PO- Chirouw/Bhora , Distt.- Saharanpur (UP)
4	" Rishipal Singh	" Sarjit Singh	01.07.1967	25.11.2022	Security Supervisor	Mohalla-Mallihupura, Gangarampura, Muzaffarnagar (U.P.)
5	" Pankaj Kumar	" Nakul Singh	25.12.1986	16.02.2020	Security Guard	V & PO- Rankhandi, Distt.- Saharanpur (UP)
6	" Arjun Nayak	" Raj Kumar	23.01.2003	29.04.2023	Security Guard	V & PO- Rohana Khurd, Distt.-Muzaffarnagar (UP)
7	" Sandeep Sharma	" Shiv dutt Sharma	01.01.1973	27.01.2023	Security Guard	V & PO-Akhlo, Distt.- Muzaffarnagar (UP)
8	" Rajneesh Sharma	" Jagdish Prashad	01.07.1980	05.12.2022	Security Guard	Police Line, Muzaffarnagar (UP)
9	" Dheeraj Kumar	" Suresh Chand	03.08.1983	01.03.2023	Security Guard	V & PO- Rohana Kalan, Distt.- Muzaffarnagar
10	" Jagatsingh	" Rupal Singh	01.01.1970	27.06.2012	Security Guard	V & PO-Badhai Kala - Distt.- Muzaffarnagar (UP)
11	" Mukesh Kumar	" Tellu Ram	01.01.1983	01.10.2022	Security Guard	V & PO-Rasulpur, Distt.-Saharanpur (UP)
12	" Sudhir Pundir	" Bhim Singh	15.04.1985	24.11.2023	Security Guard	V & PO- Rankhandi, Distt.- Saharanpur (UP)
13	" Ankit Kumar	" Shishpal	15.08.2002	25.11.2024	Security Guard	V & PO- Rankhandi, Distt.- Saharanpur (UP)
14	" Kunwarpal Singh	" Tikka Singh	01.02.1966	10.11.2023	Security Guard	V & PO- Rankhandi, Distt.- Saharanpur (UP)
15	" Devendra Kumar	" Balveer Singh	07.11.1994	29.02.2024	Security Guard	V & PO- Rankhandi, Distt.- Saharanpur (UP)
16	" Surender Singh	" Sipattar Singh	17.08.1970	15.10.2023	Security Guard	V & PO- Rankhandi, Distt.- Saharanpur (UP)
17	" Lucky Kumar	" Yogendra	20.07.2003	24.11.2024	Security Guard	V & PO- Rohana Khurd, Distt.- Muzaffarnagar
18	" Amit Kumar	" Omveer Singh	01.01.1987	05.11.2024	Security Guard	V & PO-Rasulpur Tak, PO Jaroda Jatt. Distt.-Saharanpur (UP)
19	" Rajat Kumar	" Soraik Singh	20.05.1993	07.11.2024	Security Guard	V & PO- Rohana Khurd, Distt.- Muzaffarnagar (U.P.P)



Ramesh Kumar Sharma  
General Manager  
INDIAN POTASH LTD.  
(Distillary Unit)  
Rohana Kalan, Muzaffarnagar (U.P.)

Dr. V.S. BENIWAL  
S. Medical Officer  
IPL Rohana Kalan  
Reg. No. 30938

आवकारी निरीक्षक  
इंडियन पोटाश लिमिटेड  
डिस्टिलरी यूनिट रोहना कलान  
मिला-मुजफ्फरनगर (उम्पा)

संयुक्त आवकारी आयुक्त  
अधिकारी उप आवकारी आयुक्त  
सहारनपुर प्रभार  
10/03/25

सहायक आवकारी आयुक्त  
उप आवकारी आयुक्त  
इंडियन पोटाश लिमिटेड  
डिस्टिलरी यूनिट रोहना  
मिला-मुजफ्फरनगर (उम्पा)

Date:08-03-2025

**TO WHOM SO EVER IT MAY CONCERN**

This is to certify that I have examined 50 (Fifty) employees of M/s Indian Potash Ltd. Distillery Unit Rohana Kalan Distt- Muzaffarnagar (U.P) and found them mentally and physically fit without any contagious disease. List of examined employees for the year 2025-2026, is enclosed.



Dr. V.S. BENIWAL  
Sr. Medical Officer  
IPL Rohana Kalan  
Reg. No. 30938

Date:08-03-2025

**TO WHOM SO EVER IT MAY CONCERN**

This is to certify that I have examined 64 (Sixty Four) contract labor of M/s Indian Potash Ltd. Distillery Unit Rohana Kalan Distt- Muzaffarnagar (U.P) and found them mentally and physically fit without any contagious disease. List of examined employees for the year 2025-2026, is enclosed.



Dr. V.S. BENIWAL  
Sr. Medical Officer  
IPL Rohana Kalan  
Reg. No. 30938

**INDIAN POTASH LIMITED  
BIO-REFINERY, ROHANA KALAN, MUZAFFARNAGAR  
Safety, Health and Environment Policy**

**Indian Potash Limited (Distillery Unit) Rohana Kalan, Muzaffarnagar considers the Health, Safety and Welfare of its employees and the Environment to be of prime importance to the company , essential to the operation of its undertaking and management responsibility of equal importance to other aspects of the business e.g., production and quality. As a result, the company is committed to achieving the heights standards of Health, Safety and Environment for all employees and other who may be affected by our Activities e.g., customers , contractors, visitors and public.**

**This is achieved by:**

- Ensuring that all hazards and risk are identified and properly controlled so that employees and other can be protected from danger and ensuring that injury and ill health are prevented.
- Providing adequate financial and physical resources to support the full implementation of the policy.
- Ensuring that all person is competent to carry out the duties asked to them, providing information , instructions , supervision , training as per required.
- Consulting all employees , safety representative and subcontractors in the development of our policy and encouraging them to participate in and contributes to improvement in the working environment.
- As a minimum standard , monitoring , reviewing and complying health , safety and pollution control legislation, regulation and other requirements that are relevant to our operations.
- Providing and maintaining safe plant and equipment and a safe working environment.
- Taking promote and effective action to address any problems identified through monitoring the implementation of safe working practices and procedures.
- Communicating openly with all persons working on behalf of the company in relation to health and safety matters.
- Minimising wastes and emissions , reuse and recycle materials and conserve energy and water to minimise our impact to the environment and also adhering to an effected waste management plan in practice at the factory.

**Indian Potash Limited (Distillery Unit) Rohana Kalan, Muzaffarnagar is committed to a protective approach to incident prevention in order to achieve continual improvement in Health, Safety and Environment. Management is responsible for ensuring that all employees understand the effect that good health , safety and environment protection performance can have on improving the company's business performance and their role in achieving the company's aims through the implementation of this policy. All employees are required to understand that they have a duty of care not just for their own safety but also for the health and safety of others.**

**Updated on 01-10-2021**



**Dr. P.S. Gahlaut  
Managing Director**





