EC Compliance April, 2023 to September, 2023

## SIX-MONTHLY ENVIRONMENTAL COMPLIANCE REPORT OF STIPULATED CONDITIONS OF ENVIRONMENTAL CLEARANCE

(April, 2023 to September, 2023)

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

Village: Bahedi, P.O.: Rohana Mill, Block: Charthawal,
Tehsil and District: Muzaffarnagar,
Uttar Pradesh

For Submission to:
Ministry of Environment, Forest & Climate Change
(Regional Office, Lucknow)

**Submitted By:** 

M/s Indian Potash Ltd. (Unit: Distillery) Rohana Kalan

EC Compliance April, 2023 to September, 2023

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# CHAPTER No. 01, INTRODUCTION AND PROJECT DESCRIPTION

Six monthly environmental compliance/status report is submitted for Molasses based Distillery by M/s Indian Potash Ltd. (Unit: Distillery) for April, 2023 to September, 2023. The Project is located at Village Bahedi, P.O. Rohana Mill, Block Charthawal, tehsil and District: Muzaffarnagar Uttar Pradesh. Prior Environment Clearance was obtained from SEIAA U.P. vide letter no.: 395/Parya/SEAC/5764-5646/2019, dated 14<sup>th</sup> October, 2020. Consolidated Consent to operate for Air & Water has already been obtained for the project Vide Ref No. 165874 / UPPCB / MuzaffarNagar (UPPCBRO) / CTO / both / MUZAFFARNAGAR / 2022 dated 01/11/2022. Copy of CTE and CTO (Air & Water) is attached here as Annexure-1

Specific and general conditions stipulated in Environment Clearance have been complied during construction and post construction phases.

Environmental mitigation measures described in Environmental Management Plan are being implemented operation phase. **M/s Indian Potash Limited (Distillery Unit)** management team is fully conscious about Environmental Management and enhancing green belt development in project surrounding area.

Six monthly compliance/status reports for **April**, **2023 to September**, **2023** for conditions stipulated in the Environmental Clearance letter issued by SEIAA U.P. are enclosed as **Annexure-2**. Photographs view of implemented mitigation measures are also attached for the ready reference as Photo Documentation.

### CHAPTER No. 02 COMPLIANCE OF STIPULATED CONDITIONS OF ENVIRONMENTAL CLEARANCE

**Name of the Project:** 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 Village: Bahedi, P.O.: Rohana Mill, Block: Charthawal, Tehsil and District: Muzaffarnagar (U.P.) by M/s Indian Potash Limited (Distillery Unit).

Clearance Letter No: Environment Clearance Letter No: 395/Parya/SEAC/5764-5646 /2019, dated 14<sup>th</sup> October, 2020

**Period of Compliance Report:** (April, 2023 to September, 2023)

#### **Environment Clearance conditions:**

Sr. No.		Conditions	Reply
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 No634, 634 M, 633, 631, 627, 626, 624 partly, 622, Village-Rohana Mill,		
	Block: Charthawal, Tehsi	il & District: Muzaffarnagar (U.P.) by M/s	s Indian Potash Ltd.
2.	The additional term of ref	ferences in the matter were issued by SEIA	A. U.P. vide letter no.
		018, dated 27 <sup>th</sup> July, 2020	,
3.	·	ed by the project proponent on 13 <sup>th</sup> August	t, 2020.
4.	Salient features of the p	roject	
Sr. No.	Item	Details	
1.	Name of the Project	M/s Indian Potash Ltd. (Rohana Unit: Di	istillery)
		Village: Rohana Mill, Block: Charthaw	val, Tehsil & District:
		Muzaffarnagar (U.P.)	
2.	Capacity of Distillery	apacity of Distillery Expansion from 45 KLD to 65.3 KLD	
		(Rectified Spirit/Extra Neutral Alcohol/Ethanol)	
3.	Power Generation	er Generation From 1.4 MW to 2.0 MW Co- Generation of Power.	
4.	Category	Category "B" and Schedule - 5 (g)	
5.	Project Summary		
Sr. No.	Particulars Details of Proposed Project (Capacity: 65.3 KLD)		
1.	Proposed capacity of	Expansion of the existing project from	
	Plant	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) (Adjoinin	
		at Khasra no. 634, 634 M, 633, 631, 627	
		M Partly Village: Rohana Mill, Block: Charthawal, Tehsil &	
	2 2 1	District: Muzaffarnagar (U.P.)	
4. 5.	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		lation
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
	Quantity	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.
	Co-Gen Power	2.0 MW Co generation power
	Generation	
	Fresh Water	Fresh Water Requirement: 445 KLD (Industrial Use)
	Requirement	Source: Treated and Condensate water from adjacent sugar
		industry as well as surface water through canal.
	Power requirement	The total power requirement for the project will be 1.8 MW.
		Source: Proposed 2.0 MW Co – Generation Power Plant.
	Fuel and its quantity	Slop will be incinerated in boiler along with coal/husk as
		supporting fuel.
		Slop: 166 TPD
	Ct	Coal Requirement: 60 TPD (or Husk:70 TPD)  17 TPH
	Steam requirement	
	Number of boiler	1 no. Boiler: 22 TPH  Technology: (Slap Fired inciparation Bailer)
	Air Pollution Control	Technology: (Slop Fired incineration Boiler) ESP
	Device	ESF
	Number of Stack	Proposed One Stack: 70 Meters
	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.
	Waste Water Discharge	Unit is based Zero Liquid discharge Industry (ZLD)
	Solid Waste Generation	Total Ash generated: 35 TPD
		Fermenter sludge: 2 TPD
		Disposal: Total Ash will be used as Soil conditioner; Fermenter
	No of Working Days	Sludge will be dried in sludge drying bed and used as Manure.  350 Days / Annum.
	Employment	80 Number
	Generation	oo i tallooi
	Green Belt	33% of the project area will be covered under green belt
	Development	plantation (2.306 Hectare)
	Cost towards	40 Crores (it include Waste water treatment system, Boiler,
	Environmental	MEE, APCS, Green Belt, Health Safety equipment, granules
	Protection measures	formation machinery etc)
	(capital cost)	
	Recurring cost towards	1 Crore per year.
	Environmental control	
	measures	20/ 0 1 1 2 2 2 2 2
	CSR expenses	2% of total annual Profit as per the CSR Act
		(By Ministry of corporate affairs)

	1	Notification GSR 1	20 (F)	
	Corporate		\ /	
	Corporate 169.5 lakhs (1.5% of project cost) Environmental			
	Responsibility (CER)			
	Land Use Details	()		
6.		A ()	A ! 0/	
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.		red with daily consumption		
Sr. No.	Particular	Requirement	Storage	Source and mode of transportation
1.		C-Molasses: 284		
	Molasses (All	MT/Day		
	variants like B-	or		
	Heavy, Final	B-Heavy Molasses :200	Molasses storage	Through Sugar
	C-Molasses) &	MT/Day	tanks	Mills via Road
	Sugarcane Syrup	or		
	Sugarcane Syrup	218 MT/Day of 50%		
		Sugar Syrup		
Other C	Chemicals			
2.	Sulphuric Acid	435 Kg/day	Storage facility	Nearby markets/ by
3.	Sodium hydroxide	870 kg/ day	will be available	roads
	(caustic)	<u> </u>	for the chemical	
4.	Nutrients	205 kg/day	within proposed	
5.	Enzymes	35.7 kg/Day	distillery	
6.	Anti-foam agents	58.0 kg/Day	premises as per	
			requirement	
8.	Plant and machinery			
	1	Ethanol plant with integrat	ted evaporator and a	alcohol storage system,
	MEE			
	· '	ncentrated spent wash (sl	op) fired incineration	on boiler including air
	pollution control sys			
	3) Ash handling			
	4) Fuel handlin	~ ·		1
	_	ator & condenser with arra	angement for the exp	port of surplus power
	,	bution system		
	7) Cooling tow			
	8) Plant piping.			
	_ ^ =	drive motors		
	,	Polishing Plan control system		
	1	<del>-</del>		
	<ul><li>12) Firefighting</li><li>13) Molasses sto</li></ul>	•		
	14) Product stora	_		
	The state of the s	_		
	15) Weighbridge			
	16) RCC Chimn	Су		

9.	Water requirement details			
1.	Industry Use		445 KLD (@ 6.8 KL/ KL of product)	
2.	Domestic Use	<u>;</u>	20 KLD	
3.	Total V	Vater	465 KLD	
	Requirement			
	Source: Treate	ed and	l Condensate water from adjacent sugar industry as well as surface	
	water through	canal.		
10.	Waste water g	generat	ion	
1.	Waste V	Vater	Spent Wash: 326 KLD (@ 5 KL/KL of Product)	
	Generation		Other Effluents: 507 KLD	
2.	Treatment		Spent wash treatment:	
	Technology		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 pr	roposa	l falls under Category "B" and Schedule - 5 (g) of EIA Notification,	
	2006 (as amer	mended).		

I.	Statutory compliance:	
Sr. No.	Condition	Compliance
1.	45 days monitoring report of the area for	Unit has already submitted the monitoring
	air quality, water quality, Noise level.	reports w.r.t. air quality, water quality, Noise
	Besides flora & fauna should be examined	to SEIAA at the of appraisal.
	twice a week and be submitted within 60	
	days for a record.	
2.	Due to unavoidable circumstance and	Point is noted.
	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.	
3.	The project proponent shall obtain forest	Not applicable, No any forest area is
	clearance under the provisions of Forest	observed in study area, hence forest clearance
	(Conservation) Act, 1986, in case of the	not required.
	diversion of forestland for non-forest	
	purpose involved in the project.	N. 1. 1.
4.	The project proponent shall obtain clearance from the National Board for	Not applicable.
	Wildlife, if applicable.	
5.	The project proponent shall prepare a Site-	No schedule-I species is found in study area,
3.	Specific Conservation Plan & Wildlife	hence this condition is not applicable.
	Management Plan and approved by the	<b>TF</b>
	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).	
6.	The project proponent shall obtain	The unit has obtained Consent to Establish
	Consent to Establish / Operate under the	from Uttar Pradesh Pollution Control Board.
	provisions of Air (Prevention & Control of	Unit also obtain Consent to Operate under the
	Pollution) Act, 1981 and the Water	provisions of Air (Prevention & Control of Pollution) Act, 1981 and the water
	(Prevention & Control of Pollution) Act, 1974 from the concerned State pollution	Pollution) Act, 1981 and the water (Prevention & Control of Pollution) Act,
	Control Board/ Committee.	1974 from Uttar Pradesh Pollution Control
	Control Board/ Committee.	Board through 165874 / UPPCB / Muzaffar
		Nagar (UPPCBRO) / CTO / both
		/MUZAFFARNAGAR/2022 dated
		01/11/2022. Copy of CTE and CTO is
		attached as Annexure- 1.
7.	The project proponent shall obtain	Point is noted and complied.
	authorization under the Hazardous and	
	other Waste Management Rules, 2016 as amended from time to time.	
8.	The Company shall strictly comply with	The Company is strictly comply with the
0.	the rules and guidelines under	rules and guidelines under Manufacture,
	Manufacture, Storage and Import of	Storage and Import of Hazardous Chemicals
	Hazardous Chemicals (MSIHC) Rules,	(MSIHC) Rules, 1989 as amended time to
	1989 as amended time to time. All	time.
	transportation of Hazardous Chemicals	
	shall be as per the Motor Vehicle Act (MVA), 1989	
II.	Air quality monitoring and preservation	•
1.		24x7 continuous emission monitoring system
	continuous emission monitoring system at	has been installed and connected to UPPCB
	process stacks to monitor stack emission	and CPCB Server for data transfer.
	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	Four number of Ambient air monitoring
	carryout to Ambient Air Quality	location has been decided on the basis
	monitoring for common/criterion	condition given.
	parameters relevant to the main pollutants	At all four location, ambient air quality data
	released (e.g. PM <sub>10</sub> and PM <sub>2.5</sub> in reference to PM emission, and SO <sub>2</sub> and NO <sub>2</sub> in	has been found within permissible limit.  Copy of Ambient Air quality monitoring
	reference to SO <sub>2</sub> and NO <sub>2</sub> emissions)	report is attached as <b>Annexure – 3.</b>
	within and outside the plant area at least at	report to unueffed us rimeaute
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3.	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).  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 sixmonthly monitoring report.	Summary of Stack and Ambient Air quality within premises is attached as <b>Annexure – 4.</b>
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.	Electrostatic Precipitator has been installed as Air Pollution Control System, which reduce the emission level within stipulated norms.  Emission from the stack is within CPCB norms.
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.	Ambient air quality has been done at three location and results are found within the National Ambient Air Quality Emission Standards.  Test reports of air quality are enclosed here with as <b>Annexure - 3</b> .
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.	Unit is being utilised slop and coal/biomass as a fuel. 70 meter stack has been provided as per the norms.
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.	Adequate Stack height has been provided and acoustic enclosure has been installed as pollution control measures.
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.	The storage of molasses shall be done in MS / SS storage tank; coal/rice husk is stored in covered sheds.  Regular water sprinkling is done avoid dust pollution and fugitive emissions.
III.	Water quality monitoring and preservat	ion:
1.	For online continuous monitoring of	Unit is based on Zero Liquid Discharge.
	effluent, the unit shall install web camera with night vision capability and flow	Spent wash generated is being concentrated

2.	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.  Zero Liquid Discharge shall be ensured and no waste/treated water shall be	in MEE then concentrate from MEE is being utilised as fuel in incineration boiler.  Web camera has been installed within premises and connected to CPCB and SPCB server.  In no any case treated water is (or will be) discharged outside the premises as unit is
	discharged outside the premises (applicable in case of the projects achieving the ZLD).	based on Zero Liquid Discharge.
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.	Process effluent/any wastewater is not being mixed with storm water.  The separate storm water from the premises is being collected and used with in premises.  Unit is based on Zero Liquid Discharge.
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.	Unit is based on Zero Liquid Discharge strategy.
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.	Unit already obtained the NOC from Uttar Pradesh ground water department. Copy of ground NOC is attached as <b>Annexure – 5.</b>
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.	Waste water treatment strategy: For Spent wash:  MEE followed by Incineration (Slop fired Boiler). Industry will be based on Zero Liquid Discharge. For Other Effluent: Process Condensate Polishing Plant shall be installed for treatment of various other effluents (Condensate, Lees, Floor washing, Blow downs).  Domestic effluent Soak pit and Septic tank.
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.	Condition noted and complied.
IV.	Noise monitoring and prevention:	
1.	Acoustic enclosure shall be provided to DG set for controlling the noise pollution.	Acoustic enclosure is provided with DG set for controlling the noise pollution.

2.	The overall noise levels in and around the	The overall noise levels in and around the		
	plant area shall be kept well within the	plant area is kept well within the standards as		
	standards by providing noise control	unit has provided noise control measures		
	measures including acoustic hoods,	including acoustic hoods, silencers,		
	silencers, enclosures etc. on all sources of	enclosures etc. on all sources of noise		
	noise generation.	generation.		
3.	The ambient noise levels should conform	The ambient noise levels conforms to the		
J.	to the standards prescribed under E(P)A	standards prescribed under E(P)A Rules,		
	Rules, 1986 viz. 75 dB(A) during day time	1986 viz. 75 dB(A) during day time and 70		
	and 70 dB(A) during night time.	dB(A) during night time.		
	and 70 db(71) during inght time.	Test report enclosed as <b>Annexure - 3.</b>		
V.	Energy Conservation measures:	1 cst report enclosed as rannexure - 5.		
1.	The energy sources for lighting purposes	The unit has preferred LED Lighting in the		
1.	shall preferably be LED based.	campus.		
VI.	Waste management:	campus.		
1.	Hazardous chemicals shall be stored in	Hazardous waste generated within premises		
1.	tanks, tank farms, drums, carboys etc.	is being stored in dedicated place.		
	Flame arresters shall be provided on tank	is being stored in dedicated place.		
	farm and the solvent transfer through			
	pumps.			
2.	Process organic residue and spent carbon,	Ash is being used as manure due to high		
2.	if any, shall be sent to cement industries.	potash value (27%-35%).		
	ETP sludge, process inorganic &	potasii varue (2170 3370).		
	evaporation salt shall be disposed off to	·		
	the TSDF.			
3.	The company shall undertake waste	The unit has metered all necessary flow		
3.	minimization measures as below: -	points.		
	i. Metering and control of quantities of	pointsi		
	active ingredients to minimize waste.			
	ii. Reuse of by-products from the process	Unit is using concentration spent wash as fuel		
	as raw materials or as raw material	in boiler, treated water from CPU is 100%		
	substitutes in other processes.	recycled within the system.		
	iii. Use of automated filling to minimize	Condition noted.		
	spillage.			
	iv. Use of Close Feed system into batch	Unit using close feed system into batch		
	reactors.	reactors		
	v. Venting equipment through vapour	Unit has installed venting equipment through		
	recovery system.	vapour recovery system.		
	vi. Use of high-pressure hoses for	Unit has installed high pressure hoses for		
	equipment clearing to reduce wastewater	equipment clearing to reduce wastewater		
	generation.	generation.		
VII.	Green Belt:			
1.	Green belt shall be developed in an area	33 % of total plot area, already marked for		
	equal to 33% of the plant area with a	Green belt development and it is under		
	native tree species in accordance with	process.		
	CPCB guidelines. The greenbelt shall			
	inter alia cover the entire periphery of the			
	plant.			
VIII.	•			

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focus any infringements /deviation/violation of the environmental / forest /wildlife norms / conditions. The			Annexure – 8.
/deviation/violation of the environmental / forest /wildlife norms / conditions. The			
forest /wildlife norms / conditions. The		, , , , , , , , , , , , , , , , , , ,	
company shall have defined system of		forest /wildlife norms / conditions. The	
, , , , , , , , , , , , , , , , , , ,		company shall have defined system of	
reporting infringements / deviation/			
violation of the environmental/ forest /			

	11 11 10 T 11 11 1	
	wildlife norms I 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	The unit has organized an Environmental
	project and company head quarter level,	Cell to take care of all concerning stipulated
	with qualified personnel shall be set up	conditions regarding environment.
	under the control of senior Executive, who	
	will directly to the head of the	
	organization.	
4.		Condition noted and complied.
4.	Action plan for implementing EMP and	Condition noted and complied.
	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	Condition noted for compliance.
٥.		Condition noted for compnance.
	conducted annually. Every three years	
	third party environmental audit shall be	
	carried out.	
Χ.	Miscellaneous:	
1.	If the proposed project is situated in	Currently project is in non-notified area;
	notified area of ground water extraction,	hence, industry obtained NOC from Uttar
	where creation of new wells for ground	Pradesh Ground Water Department.
	water extraction is not allowed,	
	requirement of fresh water shall be met	
	from alternate water source other than	
	ground water or legally valid source and	
	permission from the competent authority	
	shall be obtained be to use it.	
2.	The project proponent shall ensure that the	Waste water treatment strategy:
۷٠.		
	distillery shall be on ZLD basis with	For Spent wash:
	incineration of spent wash in slop boiler.	MEE followed by Incineration (Slop fired
	As proposed treated waste water should be	Boiler)
	completely recycled / reused and ZLD	For Other Effluent:
	should be achieved. Under no	Process Condensate Polishing Plant has been
	circumstances treated waste water and	installed for treatment of various other
	effluent shall be discharged to any drain /	effluents (Condensate, Lees, Floor washing,
	sewer line / inland surface water / nala etc.	Blow downs).
		Domestic effluent
		Soak pit and Septic tank.
L	<u>l</u>	Some pit and Sopile milk.

		Unit is based on Zero Liquid Discharge strategy; no effluent is discharged outside
		premises
3.	Directions/ suggestions given during public hearing and commitment made by the project proponent should be strictly	Directions/ suggestions given during public hearing and commitment made by the project proponent are complied.
	complied.	
4.	The project proponent shall make public	The copy of published information (in 2
<b>–</b>	the environmental clearance granted for	newspapers) regarding grant of
	their project along with the environmental	environmental clearance already submitted.
		I = = = = = = = = = = = = = = = = = = =
	conditions and safeguards at their cost by	Copy of public notice is attached as
	prominently advertising it at least in two	Annexure – 9.
	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	The copies of the environment clearance
	shall be submitted by the project	letter are submitted to the Heads of local
	proponents to the Heads of local bodies,	bodies Panchayat and Municipal 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	Complied. Six Monthly Compliance report
	status of compliance of the stipulated	has been uploaded on the website.
	environment clearance conditions,	
	including results of monitored data on	
	their website and update the same on half-	
7	yearly basis.	TING to an endouble an entropy of the end to a
7.	The project proponent shall monitor the	Unit is regularly monitoring the ambient air
	criteria pollutants level namely; PM <sub>10</sub> ,	quality, stack emissions; copy of the test
	SO <sub>2</sub> , NO <sub>2</sub> (ambient levels as well as stack	reports is enclosed here with as <b>Annexure-3</b> .
	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	
0	website of the company.	Condition noted.
8.	The project proponent shall submit six-	Condition noted.
	monthly reports on the status of the compliance of the stipulated	
	1 1	
	environmental conditions on the website	
	of the ministry of Environment, Forest and	
	Climate Change at environment clearance	
9.	portal.  The project proponent shall submit the	Unit will submit environmental statement in
٦.	environmental statement for each	Form-V as per schedule after start of the
	financial year in Form-V to the concerned	plant.
	State Pollution Control Board as	Copy of Form V has been submitted to
	prescribed under the Environment	regional office.
	(Protection) Rules, 1986, as amended	regional office.
	(1 Totechon) Kuies, 1900, 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.	Financial closure of project is 31st March 2023 for this financial year.
11.	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.	The unit strictly adheres 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 that during their presentation to the Expert Appraisal Committee.	The unit abides by all the commitments and recommendations made in the EIA/EMP report.
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).	No further expansion or modifications in the plant will 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.	No any Concealing of factual data has been done.
15.	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	Condition noted.
16.	The Ministry reserves the right to stipulate additional conditions if found necessary.	Condition noted.
17.	The Company in a time bound manner shall implement these conditions.	Condition noted.
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.	Condition noted.
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	Condition noted.

	1.1 7.11 7.111 7	
	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.	a period of 30 days as prescribed under Se	e National Green Tribunal, if preferred, within ection 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	No any Concealing of factual data or submission of false/fabricated data has been done.
	under the provision of Environmental	
	(Protection) Act, 1986.	
	This Environmental Clearance is subject	Condition noted.
	to ownership of the site by the project	
	proponent in confirmation with approved	
	master plan for Lucknow. In case of	
	violation; it would not be effective and	
	would automatically be stand cancelled.	
	The project proponent has to ensure that	The unit ensures that the proposed site in not
	the proposed site in not a part of any no-	a part of any no-development zone
	development zone as	a part of any no development zone
	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 mandatorily	Condition noted and complied.
	submit the compliance of specific conditions no1, 2, 3, 4, & 5 given In E.C.	Condition noted and complied.
	letter within 3 months, falling which the	
	clearance shall automatically deemed to	
	be cancelled.	
	Further project proponent has to submit	Condition noted for compliance.
	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	Unit abides by the provisions of Water
	among others under the provisions of	(Prevention and Control of Pollution) Act,
	Water (Prevention and Control of	1974, the Air (Prevention and Control of
	Pollution) Act, 1974, the Air (Prevention	Pollution) Act, 1981, the Environment
	and Control of Pollution) Act, 1981, the	(Protection) Act, 1986, the Public Liability
	Environment (Protection) Act, 1986, the	(insurance) Act, 1991 and EIA Notification,
	Public Liability (insurance) Act, 1991 and	The second of th
		I.

EIA	Notification,	2006	including	the	2006	including	the	amendment	and	rules
amen	ndment and rule	es made	e thereafter.		made	thereafter.				

## CHAPTER No. 03: DETAILS OF ENVIRONMENTAL MONITORING

#### 3.1 AMBIENT AIR QUALITY MONITORING

#### 3.1.1 Ambient air Quality Monitoring Stations

Ambient air quality monitoring has been carried out at 04 location; baheri, saidpur, khampur and near project site. This will enable to have a comparative analytical understanding about air quality and the changes in the air environment in the study area with respect to the condition prevailing. The location of the ambient air quality monitoring stations is given in **Table-3.1**.

**Table-3.1: Details of Ambient Air Quality Monitoring Stations** 

Sr. No	<b>Location Code</b>	Location Name/ Description	Environmental Setting of Surrounding
1.	AAQ - 01	Baheri	Residential
2.	AAQ - 02	Saidpur	Residential
3.	AAQ - 03	Khampur	Residential
4.	AAQ - 04	Near Project Site	Industrial

#### AAQ - 01: Baheri

The sampler was placed Baheri and was free from any obstructions. Surroundings of the sampling site represent residential environmental setting.

#### AAQ - 02: Saidpur

The sampler was placed Saidpur and was free from any obstructions. Surroundings of the sampling site represent residential environmental setting.

#### AAQ - 03: Khampur

The sampler was placed Khampur and was free from any obstructions. Surroundings of the sampling site represent residential environmental setting.

#### AAQ - 04: Near Project Site

The sampler was placed Near Project Site and was free from any obstructions. Surroundings of the sampling site represent industrial environmental setting.

#### 3.1.2 Ambient Air Quality Monitoring Methodology

Monitoring was conducted in respect of the following parameters:

- Respirable Suspended Particulate Matter (PM<sub>10</sub>)
- Fine Particulate Matter (PM<sub>2.5</sub>)
- Sulphur Dioxide (SO<sub>2</sub>)
- Oxides of Nitrogen (NO<sub>X</sub>)

The duration of sampling of PM<sub>10</sub>, PM<sub>2.5</sub>, SO<sub>2</sub> and NO<sub>X</sub> was 24 hourly continuous sampling per day duration monitoring. The monitoring was conducted for one day at the location. This is to allow a comparison with the National Ambient Air Quality Standards.

The air samples were analyzed as per standard methods specified by Indian Standards (IS: 5182). The techniques used for ambient air quality monitoring and minimum detectable levels are given in **Table-3.2**.

EC Compliance April, 2023 to September, 2023

Fine Particulate Sampler instruments have been used for monitoring Particulate Matter 2.5 (PM<sub>2.5</sub> i.e. <2.5 microns), and Respirable Dust Sampler with gaseous sampling attachment was used for sampling Respirable fraction (<10 microns), gaseous pollutants like SO<sub>2</sub>, and NOx.

**Table-3.2: Techniques used for Ambient Air Quality Monitoring** 

Sr. No	Parameter	Technique	Range of testing /limit of detection
1.	Respirable Suspended Particulate Matter (PM <sub>10</sub> )	Respirable Dust Sampler, with cyclone separator, Gravimetric Method	5.0 - 1200
2.	Fine Particulate Matter (PM <sub>2.5</sub> )	Fine Particulate Sampler, Gravimetric Method	2.0 - 500
3.	Sulphur dioxide	Modified West and Gaeke	5.0 - 1050
4.	Oxides of Nitrogen	Jacob & Hochheiser	6.0 - 750

#### 3.1.3 Ambient Air Quality Monitoring Results at Baheri

The detailed on-site monitoring results of  $PM_{2.5}$ ,  $PM_{10}$ ,  $SO_2$  and  $NO_X$  are presented in **Table-3.3**.

Table-3.3: Ambient Air Quality Monitoring Results at Baheri

Sr. No	Particulars	Protocol	Unit	Result	Range of testing /limit of detection	Standard as per NAAQS; dated 18/11/ 2009
1	Particulate matters size	IS: 5182 (Part-23): 2006	$\mu g/m^3$	81.5	5.0 - 1200	For
	less than 10 µm (PM <sub>10</sub> )	Reaffirmed: 2022	, -			24 hour =100
2	Particulate matters size	IC. 5192 (Dont 24), 2010	μg/m³	49.60	2.0 - 500	For
	less than 2.5 $\mu$ m (PM <sub>2.5</sub> )	IS: 5182 (Part-24): 2019	μg/III	42.00		24 hour =60
2	Sulahan Diaridas (SO.)	IS: 5182 (Part-2): 2001	3	14.01	5.0 - 1050	For
3	Sulphur Dioxides (SO <sub>2</sub> )	Reaffirmed: 2022	μg/m <sup>3</sup>			24 hour =80
4	Oxides of nitrogen (NO <sub>X</sub> )	IS: 5182 (Part-6): 2006	μg/m <sup>3</sup>	18.98	6.0 - 750	For
4		Reaffirmed: 2022				24 hour =80

#### 3.1.4 Ambient Air Quality Monitoring Results at Saidpur

The detailed on-site monitoring results of  $PM_{2.5}$ ,  $PM_{10}$ ,  $SO_2$  and  $NO_X$  are presented in **Table-3.4**.

Table-3.4: Ambient Air Quality Monitoring Results at Saidpur

Sr. No	Particulars	Protocol	Unit	Result	Range of testing /limit of detection	Standard as per NAAQS; dated 18/11/ 2009
1	Particulate matters size	IS: 5182 (Part-23): 2006	μg/m <sup>3</sup>	/m <sup>3</sup> <b>79.4</b>	5.0 - 1200	For
1	less than 10 $\mu m$ (PM <sub>10</sub> )	Reaffirmed: 2022	μg/III			24 hour =100
2	Particulate matters size	IS: 5182 (Part-24): 2019	μg/m <sup>3</sup> 40	46.43	2.0 - 500	For
	less than 2.5 $\mu$ m (PM <sub>2.5</sub> )	15. 5102 (1 tilt 24). 2017		10.13		24 hour =60
3	Sulphur Dioxides (SO <sub>2</sub> )	IS: 5182 (Part-2): 2001	μg/m <sup>3</sup>	13.25	5.0 - 1050	For
3		Reaffirmed: 2022	μg/III	13.23		24 hour =80
4	Oxides of nitrogen (NO <sub>X</sub> )	IS: 5182 (Part-6): 2006	μg/m³	18.63	6.0 - 750	For
4		Reaffirmed: 2022				24 hour =80

#### 3.1.5 Ambient Air Quality Monitoring Results at Khampur

EC Compliance April, 2023 to September, 2023

The detailed on-site monitoring results of  $PM_{2.5}$ ,  $PM_{10}$ ,  $SO_2$  and  $NO_X$  are presented in **Table-3.5**.

Table-3.5: Ambient Air Quality Monitoring Results at Khampur

Sr. No	Particulars	Protocol	Unit	Result	Range of testing /limit of detection	Standard as per NAAQS; dated 18/11/ 2009
1	Particulate matters size	IS: 5182 (Part-23): 2006	μg/m <sup>3</sup>	76.8	5.0 - 1200	For
1	less than 10 $\mu m$ (PM <sub>10</sub> )	Reaffirmed: 2022	μg/III	70.0		24 hour =100
2	Particulate matters size	IS: 5182 (Part-24): 2019	μg/m³	46.94	2.0 - 500	For
	less than 2.5 $\mu m$ (PM <sub>2.5</sub> )	13. 3162 (Fait-24). 2019				24  hour = 60
3	Sulphur Dioxides (SO <sub>2</sub> )	IS: 5182 (Part-2): 2001	μg/m <sup>3</sup>	13.25	5.0 - 1050	For
3		Reaffirmed: 2022	μg/III	13.23		24  hour = 80
4	Oxides of nitrogen (NO <sub>X</sub> )	IS: 5182 (Part-6): 2006	μg/m³	18.66	6.0 - 750	For
4		Reaffirmed: 2022				24  hour = 80

#### 3.1.6 Ambient Air Quality Monitoring Results Near Project Site

The detailed on-site monitoring results of  $PM_{2.5}$ ,  $PM_{10}$ ,  $SO_2$  and  $NO_X$  are presented in **Table-3.6**.

Table-3.6: Ambient Air Quality Monitoring Results Near Project Site

Sr. No	Particulars	Protocol	Unit	Result	Range of testing /limit of detection	Standard as per NAAQS; dated 18/11/ 2009
1	Particulate matters size	IS: 5182 (Part-23): 2006 Reaffirmed: 2022	μg/m <sup>3</sup>	80.9	5.0 - 1200	For 24 hour =100
	less than 10 µm (PM <sub>10</sub> )	Reallimed: 2022				
2	Particulate matters size	IS: 5182 (Part-24): 2019	$\mu g/m^3$	49.85	2.0 - 500	For
	less than 2.5 μm (PM <sub>2.5</sub> )			49.05		24 hour =60
2		IS: 5182 (Part-2): 2001	, 3	14.04	5.0 - 1050	For
3	Sulphur Dioxides (SO <sub>2</sub> )	Reaffirmed: 2022	μg/m <sup>3</sup>			24 hour =80
4	Oxides of nitrogen (NO <sub>X</sub> )	IS: 5182 (Part-6): 2006	μg/m <sup>3</sup>	19.38	6.0 - 750	For
7		Reaffirmed: 2022	μζ/ΙΙΙ			24 hour =80

#### 3.1.7 Discussion on Ambient Air Quality in the Study Area

The value of PM<sub>10</sub> at Ambient Air Monitoring Station No: 1, 2 & 3 are 81.5  $\mu$ g/m³, 79.4  $\mu$ g/m³, 76.8  $\mu$ g/m³ & 80.9  $\mu$ g/m³ respectively which were within permissible limit of 100  $\mu$ g/m³ and PM<sub>2.5</sub> levels are 49.60  $\mu$ g/m³ Baheri, 46.43  $\mu$ g/m³ at Saidpur, 46.94  $\mu$ g/m³ Khampur and 49.85  $\mu$ g/m³ at Near Project Site, were also observed within permissible limit of 60  $\mu$ g/m³ (for residential, rural and other areas as stipulated in the National Ambient Air Quality Standards). SO<sub>2</sub> ranges between 13.25  $\mu$ g/m³ to 14.04  $\mu$ g/m³ and NO<sub>X</sub> ranges between 18.63  $\mu$ g/m³ to 19.38  $\mu$ g/m³ was also observed within the corresponding stipulated limits (Limit for SO<sub>2</sub> and NO<sub>X</sub>; 80  $\mu$ g/m³) at all of the 04 monitoring locations. Station wise variation of ambient air quality parameters has been graphically shown in **Figure-3.1 to 3.4**.

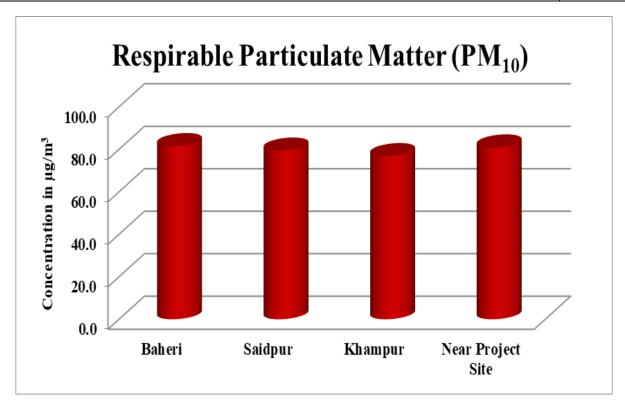


Figure-3.1: Graphs Showing PM<sub>10</sub> Concentration at all sites

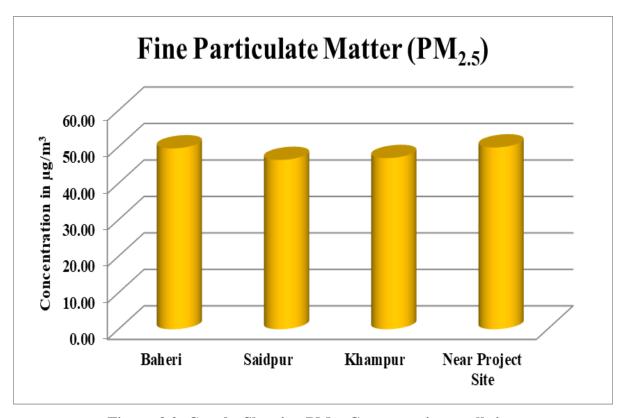


Figure-3.2: Graphs Showing PM<sub>2.5</sub> Concentration at all sites

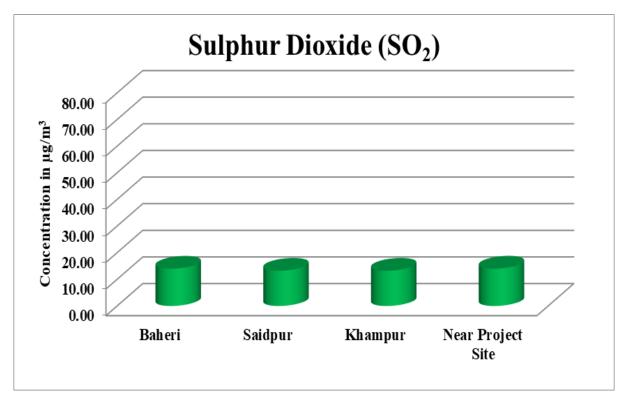


Figure-3.3: Graphs Showing SO<sub>2</sub> Concentration at all sites

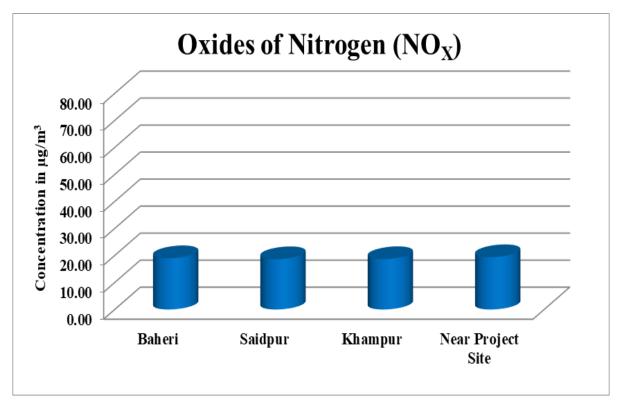


Figure-3.4: Graphs Showing NO<sub>X</sub> Concentration at all sites

Six Monthly Compliance Report for Expansion of existing Molasses based Distillery at	EC Compliance
P.O. Rohana Mill, Block Charthawal, tehsil and District: Muzaffarnagar (U.P.) by M/s	April, 2023 to
Indian Potash Limited (Distillery Unit)	September, 2023

#### 3.2 STACK EMISSION MONITORING

Stack Emission monitoring was carried out by EPA approved Laboratory on date 13.09.2023 for stack attached with 22.0 TPH boiler (ESP is used as Air Pollution Control Device with a stack height of 70.0 meter.

#### 3.2.1 Stack Emission Monitoring Methodology

Monitoring was conducted in respect of the following parameters:

• Particulate Matter (PM)

The Method used for Stack Emission monitoring and range of testing with CPCB standard are given in **Table-3.7.** 

**Table-3.7: Details of Stack Emission Monitoring Results** 

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	46.6	2.0 - 1000	150

#### 3.3 AMBIENT NOISE MONITORING

#### 3.3.1 Ambient Noise Monitoring Locations

The main objective of noise monitoring in the study area is to assess the present ambient noise levels near project site due to various construction-allied activities and increased vehicular movement. A preliminary reconnaissance survey has been undertaken to identify the major noise generating sources in the area. Ambient noise monitoring was conducted at 01 location as given in **Table-3.8**.

**Table-3.8: Details of Ambient Noise Monitoring Stations** 

Sr. No	Location Code	Location name and description	Date of Monitoring
1.	NQ - 01	Near Project Site	14/09/2023 (06:00 AM) to 15/09/2023 (06:00 AM)

#### 3.3.2 Methodology of Noise Monitoring

Noise levels were measured using sound level meter. Noise level monitoring was carried out continuously for 24-hours with one hour interval starting at 06:00 hrs to 06:00 hrs next day. The noise levels were monitored on working days only. During each hour Leq were directly computed by the instrument based on the sound pressure levels. Monitoring was carried out at 'A' response.

#### 3.3.3 Ambient Noise Monitoring Results

The location wise ambient noise monitoring results is summarized in **Table-3.9**. The noise levels are graphically presented in **Figure-3.5**.

**Table-3.9: Ambient Noise Monitoring Results** 

			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)	59.46	48.25

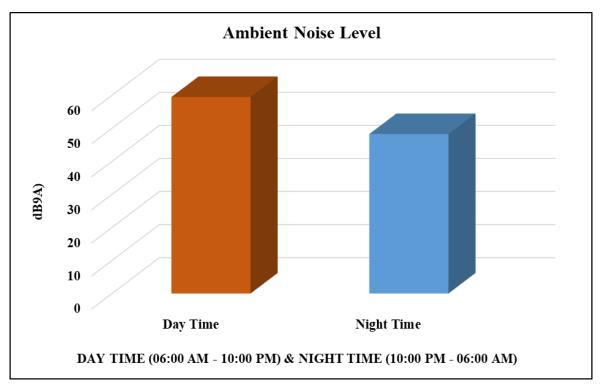


Figure 3.5: Day and Night Time noise Level near Project site

•	abic-5.10. 1	olse stalldal ds as per	CI CD Schedule	1 uic 3(1) and 4(1)
	Area	Category of	dB(A) Leq	
	Code	Area/Zone	Day Time	Night Time
	A	Industrial Area	75	70
	В	Commercial Area	65	55
	С	Residential Area	55	45
	D	Silence Zone	50	40

Table-3.10: Noise Standards as per CPCB Schedule rule 3(1) and 4(1)

## 3.3.4 Discussion on Ambient Noise Levels in the Study Area Day Time Noise Levels (L<sub>day</sub>):

The day time noise level at monitoring station was found 59.46 dB(A), which is within limits prescribed for industrial area i.e. 75 dB (A).

#### **Night Time Noise Levels (Lnight):**

The night time noise level at monitoring station was found 48.25 dB(A), which is within limit prescribed for industrial area i.e. 70 dB (A).

#### 3.4 GROUND WATER QUALITY MONITORING

#### 3.4.1 Ground water Quality Monitoring Locations

Keeping in view the importance of ground water, sample of ground water was collected from the project site for the assessment of impacts of the project on the groundwater quality.

Water sample was collected from the project site. The sample was analyzed for various parameters to compare with the standards for Ground water as per IS: 10500 for Groundwater sources. The details of water sampling locations are given in **Table-3.11**.

EC Compliance April, 2023 to September, 2023

**Table-3.11: Details of Water Quality Monitoring Station** 

Sr. No	Location Code	Location name and description	Date of Monitoring
1.	GW - 01	Borewell (Near Project Site)	01 <sup>st</sup> April, 2023
2.	GW - 01	Borewell (Near Project Site)	23 <sup>rd</sup> May, 2023
3.	GW - 01	Borewell (Near Project Site)	15 <sup>th</sup> June, 2023
4.	GW - 01	Borewell (Near Project Site)	26 <sup>th</sup> July, 2023
5.	GW - 01	Borewell (Near Project Site)	15 <sup>th</sup> August, 2023
6.	GW - 01	Borewell (Near Project Site)	20 <sup>th</sup> September, 2023

#### 3.4.2 Methodology of ground water Quality Monitoring

Sampling of ground water was carried out on 01.04.2023, 23.05.2023, 15.06.2023, 26.07.2023, 15.08.2023 and 20.09.2023. Samples were collected as grab sample and sampling forms are filled in as per the sampling plan. The preservative sample were properly added to preserve as per standard operating procedures (SOP) and stored immediately in ice boxes, which were ensured for appropriate temperatures. Sample for chemical analysis was collected in polyethylene carboys. Sample collected for metal content were acidified to <2 pH with 1 ml HNO3. A sample for bacteriological analysis was collected in sterilized glass bottles.

Soon after the completion of sampling, chain of custody sheets for the samples are filled in and then they were transported by road to Environmental & Technical Research Centre, Lucknow for further analysis. Proper care was taken during packing and transportation of samples. All the samples reached the central laboratory within the holding times for different parameters. After ensuring the same the samples were forwarded immediately for analysis.

The samples were analyzed as per the standard procedures specified in 'Standard Methods for the Examination of Water and Wastewater' published by American Public Health Association (APHA) and CPCB. The analytical techniques and the test methods adopted for testing of ground water are given in **Table-3.12 to Table-3.17.** 

#### 3.4.3 Ground water Quality Monitoring Results

The detailed Ground water quality monitoring results are presented in **Table-3.12 to Table-3.17.** 

Table-3.12: Ground water Quality Results at Borewell near Project site (April, 2023)

Sr.			er Quanty Results at Dorev		Range of	Indian	Standard
No	Test Parameter	Unit	Protocol/Test Method	Result	testing /limit of detection	Desirable	0: 2012 Permissible
			Physico-chemical Parame	eters	01 00000000	Desirable	T CTIMISSIDIC
1	Colour	Hazen	IS: 3025 (Part-4): 1983	<5.0	5 - 30	5	15
2	Odour	-	Reaffirmed: 2017 IS: 3025 (Part-5): 1983 Reaffirmed: 2017	Agreeable	Qualitative	Agreeable	Agreeable
3	pН	-	APHA 23 <sup>rd</sup> Ed. 2017-4500 H <sup>+</sup>	7.5	1 - 14	6.5-8.5	No Relaxation
4	Turbidity	NTU	APHA 23 <sup>rd</sup> Ed. 2017-2130 B	<2.0	2 - 40	1	5
5	Total Dissolved Solids (TDS)	mg/l	IS: 3025 (Part-16): 1984 Reaffirmed: 2017	386.4	10 - 5000	500	2000
6	Ammonia (as total ammonia-N)	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-4500-NH <sub>3</sub> F	<0.5	0.5 - 2	0.5	No Relaxation
7	Anionic Detergents (as MBAS)	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-5540 C	<0.05	0.05 - 0.5	0.2	1.0
8	Calcium as Ca	mg/l	IS: 3025 (Part-40): 1991 Reaffirmed: 2019	52.8	2.0 - 600	75	200
9	Magnesium as Mg	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3500 Mg, B	30.13	0.1 - 200	30	100
10	Chloride as Cl	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-4500-CI <sup>-</sup> B	30.0	2.0 - 2000	250	1000
11	Fluoride as F	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-4500 F <sup>-</sup> C	0.35	0.02 - 5.0	1.0	1.5
12	Free Residual Chlorine	mg/l	IS: 3025 (Part-26): 1986 Reaffirmed: 2019	<0.1	0.1 - 5.0	0.2	1.0
13	Nitrate as NO <sub>3</sub>	mg/l	IS: 3025 (Part-34): 1986 Reaffirmed: 2019	<1.0	1.0 - 70	45	No Relaxation
14	Phenolic Compound (as C <sub>6</sub> H <sub>5</sub> OH)	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-5530 C	<0.001	0.001 - 0.005	0.001	0.002
15	Sulphate as SO <sub>4</sub>	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-4500- SO <sub>4</sub> <sup>2</sup> -	26.0	1.0 - 500	200	400
16	Alkalinity as CaCO <sub>3</sub>	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-2320 B	280.0	2.0 - 1000	200	600
17	Total Hardness as CaCO <sub>3</sub>	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-2340 C	256.0	5.0 - 800	200	600
18	Aluminium as Al	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	<0.015	0.015 - 5.0	0.03	0.2
19	Boron as B	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	<0.05	0.05 - 2.0	0.5	1.0
20	Copper as Cu	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	<0.03	0.03 - 10	0.05	1.5
21	Iron as Fe	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	0.11	0.05 - 20	0.3	No Relaxation
22	Manganese as Mn	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	0.05	0.02 - 5.0	0.1	0.3
23	Zinc as Zn	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	0.36	0.05 - 15	5	15
24	Cadmium as Cd	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	<0.05	0.05 - 2.0	0.003	No Relaxation
25	Lead as Pb	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	<0.01	0.01 - 10	0.01	No Relaxation
26	Mercury as Hg	μg/l	APHA 23 <sup>rd</sup> Ed. 2017-3112 B	<0.5	0.5 - 1000	1.0	No Relaxation
27	Nickel as Ni	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	<0.05	0.05 - 5.0	0.02	No Relaxation
28	Arsenic as As	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	<0.02	0.02 - 2.0	0.01	0.05
29	Total Chromium	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	<0.03	0.03 - 5.0	0.05	No Relaxation
1	1	:	Microbiological Parame	ters	> 2 MDN Dannant	a	
30	E. coli	MPN/ 100 ml	IS: 1622 - 1981 Reaffirmed: 2019	Absent	≥ 2 MPN Present or Absent per 100 ml	any 100	e detected in ml sample
31	T. coli	MPN/ 100 ml	IS: 1622 - 1981 Reaffirmed: 2019	Absent	≥ 2 MPN Present or Absent per 100 ml		e detected in ml sample

Table-3.13:
Ground water Quality Results at Borewell near Project site (May, 2023)

Sr.	Test Parameter	Unit	Protocol/Test Method	Result	Range of testing /limit	Indian	Standard 0: 2012		
No					of detection	Desirable	Permissible		
	Physico-chemical Parameters  IS: 3025 (Part-4): 1983								
1	Colour	Hazen	Reaffirmed: 2017	<5.0	5 - 30	5	15		
2	Odour	-	IS: 3025 (Part-5): 1983 Reaffirmed: 2017	Agreeable	Qualitative	Agreeable	Agreeable		
3	рН	-	APHA 23 <sup>rd</sup> Ed. 2017-4500 H <sup>+</sup>	7.3	1 - 14	6.5-8.5	No Relaxation		
4	Turbidity	NTU	APHA 23 <sup>rd</sup> Ed. 2017-2130 B	<2.0	2 - 40	1	5		
5	Total Dissolved Solids (TDS)	mg/l	IS: 3025 (Part-16): 1984 Reaffirmed: 2017	402.6	10 - 5000	500	2000		
6	Ammonia (as total ammonia-N)	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-4500-NH <sub>3</sub> F	<0.5	0.5 - 2	0.5	No Relaxation		
7	Anionic Detergents (as MBAS)	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-5540 C	<0.05	0.05 - 0.5	0.2	1.0		
8	Calcium as Ca	mg/l	IS: 3025 (Part-40): 1991 Reaffirmed: 2019	52.8	2.0 - 600	75	200		
9	Magnesium as Mg	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3500 Mg, B	28.18	0.1 - 200	30	100		
10	Chloride as Cl	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-4500-CI <sup>-</sup> B	26.0	2.0 - 2000	250	1000		
11	Fluoride as F	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-4500 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	<0.1	0.1 - 5.0	0.2	1.0		
13	Nitrate as NO <sub>3</sub>	mg/l	IS: 3025 (Part-34): 1986 Reaffirmed: 2019	<1.0	1.0 - 70	45	No Relaxation		
14	Phenolic Compound (as C <sub>6</sub> H <sub>5</sub> OH)	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-5530 C	<0.001	0.001 - 0.005	0.001	0.002		
15	Sulphate as SO <sub>4</sub>	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-4500- SO <sub>4</sub> <sup>2</sup> -	28.0	1.0 - 500	200	400		
16	Alkalinity as CaCO <sub>3</sub>	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-2320 B	288.0	2.0 - 1000	200	600		
17	Total Hardness as CaCO <sub>3</sub>	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-2340 C	248.0	5.0 - 800	200	600		
18	Aluminium as Al	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	<0.015	0.015 - 5.0	0.03	0.2		
19	Boron as B	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	<0.05	0.05 - 2.0	0.5	1.0		
20	Copper as Cu	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	<0.03	0.03 - 10	0.05	1.5		
21	Iron as Fe	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	0.15	0.05 - 20	0.3	No Relaxation		
22	Manganese as Mn	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	0.04	0.02 - 5.0	0.1	0.3		
23	Zinc as Zn	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	0.58	0.05 - 15	5	15		
24	Cadmium as Cd	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	<0.05	0.05 - 2.0	0.003	No Relaxation		
25	Lead as Pb	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	<0.01	0.01 - 10	0.01	No Relaxation		
26	Mercury as Hg	μg/l	APHA 23 <sup>rd</sup> Ed. 2017-3112 B	<0.5	0.5 - 1000	1.0	No Relaxation		
27	Nickel as Ni	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	<0.05	0.05 - 5.0	0.02	No Relaxation		
28	Arsenic as As	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	<0.02	0.02 - 2.0	0.01	0.05		
29	Total Chromium	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	<0.03	0.03 - 5.0	0.05	No Relaxation		
		[	Microbiological Parame	ters	2010012	T			
30	E. coli	MPN/ 100 ml	IS: 1622 - 1981 Reaffirmed: 2019	Absent	≥ 2 MPN Present or Absent per 100 ml		e detected in ml sample		
31	T. coli	MPN/ 100 ml	IS: 1622 - 1981 Reaffirmed: 2019	Absent	≥ 2 MPN Present or Absent per 100 ml		e detected in ml sample		

Table-3.14:
Ground water Quality Results at Borewell Near Project site (June, 2023)

Sr.	Test Parameter	Unit	Protocol/Test Method	Result	Range of testing /limit	Indian	Standard 0: 2012
No					of detection	Desirable	Permissible
			Physico-chemical Parame	eters	T	1	
1	Colour	Hazen	IS: 3025 (Part-4): 1983 Reaffirmed: 2017	<5.0	5 - 30	5	15
2	Odour	-	IS: 3025 (Part-5): 1983 Reaffirmed: 2017	Agreeable	Qualitative	Agreeable	Agreeable
3	рН	-	APHA 23 <sup>rd</sup> Ed. 2017-4500 H <sup>+</sup>	7.4	1 - 14	6.5-8.5	No Relaxation
4	Turbidity	NTU	APHA 23 <sup>rd</sup> Ed. 2017-2130 B	<2.0	2 - 40	1	5
5	Total Dissolved Solids (TDS)	mg/l	IS: 3025 (Part-16): 1984 Reaffirmed: 2017	398.4	10 - 5000	500	2000
6	Ammonia (as total ammonia-N)	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-4500-NH <sub>3</sub> F	<0.5	0.5 - 2	0.5	No Relaxation
7	Anionic Detergents (as MBAS)	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-5540 C	<0.05	0.05 - 0.5	0.2	1.0
8	Calcium as Ca	mg/l	IS: 3025 (Part-40): 1991 Reaffirmed: 2019	57.6	2.0 - 600	75	200
9	Magnesium as Mg	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3500 Mg, B	30.13	0.1 - 200	30	100
10	Chloride as Cl	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-4500-CI <sup>-</sup> B	28.0	2.0 - 2000	250	1000
11	Fluoride as F	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-4500 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	<0.1	0.1 - 5.0	0.2	1.0
13	Nitrate as NO <sub>3</sub>	mg/l	IS: 3025 (Part-34): 1986 Reaffirmed: 2019	<1.0	1.0 - 70	45	No Relaxation
14	Phenolic Compound (as C <sub>6</sub> H <sub>5</sub> OH)	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-5530 C	<0.001	0.001 - 0.005	0.001	0.002
15	Sulphate as SO <sub>4</sub>	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-4500- SO <sub>4</sub> <sup>2</sup> -	26.0	1.0 - 500	200	400
16	Alkalinity as CaCO <sub>3</sub>	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-2320 B	296.0	2.0 - 1000	200	600
17	Total Hardness as CaCO <sub>3</sub>	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-2340 C	268.0	5.0 - 800	200	600
18	Aluminium as Al	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	<0.015	0.015 - 5.0	0.03	0.2
19	Boron as B	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	<0.05	0.05 - 2.0	0.5	1.0
20	Copper as Cu	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	<0.03	0.03 - 10	0.05	1.5
21	Iron as Fe	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	0.10	0.05 - 20	0.3	No Relaxation
22	Manganese as Mn	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	0.03	0.02 - 5.0	0.1	0.3
23	Zinc as Zn	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	0.42	0.05 - 15	5	15
24	Cadmium as Cd	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	<0.05	0.05 - 2.0	0.003	No Relaxation
25	Lead as Pb	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	<0.01	0.01 - 10	0.01	No Relaxation
26	Mercury as Hg	μg/l	APHA 23 <sup>rd</sup> Ed. 2017-3112 B	<0.5	0.5 - 1000	1.0	No Relaxation
27	Nickel as Ni	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	<0.05	0.05 - 5.0	0.02	No Relaxation
28	Arsenic as As	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	<0.02	0.02 - 2.0	0.01	0.05
29	Total Chromium	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	<0.03	0.03 - 5.0	0.05	No Relaxation
			Microbiological Parame	ters	> 2 MDN D	1	
30	E. coli	MPN/ 100 ml	IS: 1622 - 1981 Reaffirmed: 2019	Absent	≥ 2 MPN Present or Absent per 100 ml		e detected in ml sample
31	T. coli	MPN/ 100 ml	IS: 1622 - 1981 Reaffirmed: 2019	Absent	≥ 2 MPN Present or Absent per 100 ml		e detected in ml sample

Table-3.15:
Ground water Quality Results at Borewell near Project site (July, 2023)

Sr.			ter Quanty Results at Bore	,, 011 11041 1	Range of	Indian	Standard
No	Test Parameter	Unit	Protocol/Test Method	Result	testing /limit of detection	1050 Desirable	0: 2012 Permissible
			Physico-chemical Paramo	eters	or detection	Desirable	1 CHIIISSIDIC
1	Colour	Hazen	IS: 3025 (Part-4): 1983 Reaffirmed: 2017	<5.0	5 - 30	5	15
2	Odour	-	IS: 3025 (Part-5): 1983 Reaffirmed: 2017	Agreeable	Qualitative	Agreeable	Agreeable
3	pН	-	APHA 23 <sup>rd</sup> Ed. 2017-4500 H <sup>+</sup>	7.5	1 - 14	6.5-8.5	No
4	Turbidity	NTU	APHA 23 <sup>rd</sup> Ed. 2017-2130 B	<2.0	2 - 40	1	Relaxation 5
5	Total Dissolved Solids (TDS)	mg/l	IS: 3025 (Part-16): 1984 Reaffirmed: 2017	396.0	10 - 5000	500	2000
6	Ammonia (as total ammonia-N)	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-4500-NH <sub>3</sub> F	<0.5	0.5 - 2	0.5	No Relaxation
7	Anionic Detergents (as MBAS)	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-5540 C	<0.05	0.05 - 0.5	0.2	1.0
8	Calcium as Ca	mg/l	IS: 3025 (Part-40): 1991 Reaffirmed: 2019	54.4	2.0 - 600	75	200
9	Magnesium as Mg	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3500 Mg, B	29.16	0.1 - 200	30	100
10	Chloride as Cl	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-4500-CI <sup>-</sup> B	30.0	2.0 - 2000	250	1000
11	Fluoride as F Free Residual	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-4500 F <sup>-</sup> C IS: 3025 (Part-26): 1986	0.36	0.02 - 5.0	1.0	1.5
12	Chlorine	mg/l	Reaffirmed: 2019	<0.1	0.1 - 5.0	0.2	1.0
13	Nitrate as NO <sub>3</sub>	mg/l	IS: 3025 (Part-34): 1986 Reaffirmed: 2019	<1.0	1.0 - 70	45	No Relaxation
14	Phenolic Compound (as C <sub>6</sub> H <sub>5</sub> OH)	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-5530 C	<0.001	0.001 - 0.005	0.001	0.002
15	Sulphate as SO <sub>4</sub>	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-4500- SO <sub>4</sub> <sup>2</sup> -	28.0	1.0 - 500	200	400
16	Alkalinity as CaCO <sub>3</sub>	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-2320 B	284.0	2.0 - 1000	200	600
17	Total Hardness as CaCO <sub>3</sub>	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-2340 C	256.0	5.0 - 800	200	600
18	Aluminium as Al	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	<0.015	0.015 - 5.0	0.03	0.2
19	Boron as B	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	<0.05	0.05 - 2.0	0.5	1.0
20	Copper as Cu	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	<0.03	0.03 - 10	0.05	1.5
21	Iron as Fe	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	0.09	0.05 - 20	0.3	No Relaxation
22	Manganese as Mn	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	0.06	0.02 - 5.0	0.1	0.3
23	Zinc as Zn	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	0.56	0.05 - 15	5	15
24	Cadmium as Cd	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	<0.05	0.05 - 2.0	0.003	No Relaxation
25	Lead as Pb	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	<0.01	0.01 - 10	0.01	No Relaxation
26	Mercury as Hg	μg/l	APHA 23 <sup>rd</sup> Ed. 2017-3112 B	<0.5	0.5 - 1000	1.0	No Relaxation
27	Nickel as Ni	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	<0.05	0.05 - 5.0	0.02	No Relaxation
28	Arsenic as As	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	<0.02	0.02 - 2.0	0.01	0.05
29	Total Chromium	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	<0.03	0.03 - 5.0	0.05	No Relaxation
			Microbiological Parame	ters	> 2 MDN D		•
30	E. coli	MPN/ 100 ml	IS: 1622 - 1981 Reaffirmed: 2019	Absent	≥ 2 MPN Present or Absent per 100 ml	any 100	e detected in ml sample
31	T. coli	MPN/ 100 ml	IS: 1622 - 1981 Reaffirmed: 2019	Absent	≥ 2 MPN Present or Absent per 100 ml		e detected in ml sample

Table-3.16: Ground water Quality Results at Borewell Near Project site (August, 2023)

Sr.	Test Parameter	Unit	Protocol/Test Method	Result	Range of testing /limit	Indian	Standard 0: 2012
No					of detection	Desirable	Permissible
			Physico-chemical Parame	eters	T	1	
1	Colour	Hazen	IS: 3025 (Part-4): 1983 Reaffirmed: 2017	<5.0	5 - 30	5	15
2	Odour	-	IS: 3025 (Part-5): 1983 Reaffirmed: 2017	Agreeable	Qualitative	Agreeable	Agreeable
3	рН	-	APHA 23 <sup>rd</sup> Ed. 2017-4500 H <sup>+</sup>	7.3	1 - 14	6.5-8.5	No Relaxation
4	Turbidity	NTU	APHA 23 <sup>rd</sup> Ed. 2017-2130 B	<2.0	2 - 40	1	5
5	Total Dissolved Solids (TDS)	mg/l	IS: 3025 (Part-16): 1984 Reaffirmed: 2017	375.6	10 - 5000	500	2000
6	Ammonia (as total ammonia-N)	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-4500-NH <sub>3</sub> F	<0.5	0.5 - 2	0.5	No Relaxation
7	Anionic Detergents (as MBAS)	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-5540 C	<0.05	0.05 - 0.5	0.2	1.0
8	Calcium as Ca	mg/l	IS: 3025 (Part-40): 1991 Reaffirmed: 2019	54.4	2.0 - 600	75	200
9	Magnesium as Mg	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3500 Mg, B	30.13	0.1 - 200	30	100
10	Chloride as Cl	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-4500-CI-B	28.0	2.0 - 2000	250	1000
11	Fluoride as F	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-4500 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	<0.1	0.1 - 5.0	0.2	1.0
13	Nitrate as NO <sub>3</sub>	mg/l	IS: 3025 (Part-34): 1986 Reaffirmed: 2019	<1.0	1.0 - 70	45	No Relaxation
14	Phenolic Compound (as C <sub>6</sub> H <sub>5</sub> OH)	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-5530 C	<0.001	0.001 - 0.005	0.001	0.002
15	Sulphate as SO <sub>4</sub>	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-4500- SO <sub>4</sub> <sup>2</sup> -	30.0	1.0 - 500	200	400
16	Alkalinity as CaCO <sub>3</sub>	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-2320 B	280.0	2.0 - 1000	200	600
17	Total Hardness as CaCO <sub>3</sub>	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-2340 C	260.0	5.0 - 800	200	600
18	Aluminium as Al	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	<0.015	0.015 - 5.0	0.03	0.2
19	Boron as B	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	<0.05	0.05 - 2.0	0.5	1.0
20	Copper as Cu	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	<0.03	0.03 - 10	0.05	1.5
21	Iron as Fe	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	0.13	0.05 - 20	0.3	No Relaxation
22	Manganese as Mn	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	0.02	0.02 - 5.0	0.1	0.3
23	Zinc as Zn	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	0.64	0.05 - 15	5	15
24	Cadmium as Cd	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	<0.05	0.05 - 2.0	0.003	No Relaxation
25	Lead as Pb	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	<0.01	0.01 - 10	0.01	No Relaxation
26	Mercury as Hg	μg/l	APHA 23 <sup>rd</sup> Ed. 2017-3112 B	<0.5	0.5 - 1000	1.0	No Relaxation
27	Nickel as Ni	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	<0.05	0.05 - 5.0	0.02	No Relaxation
28	Arsenic as As	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	<0.02	0.02 - 2.0	0.01	0.05
29	Total Chromium	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	<0.03	0.03 - 5.0	0.05	No Relaxation
			Microbiological Parame	ters	> 2 MDM P	1	
30	E. coli	MPN/ 100 ml	IS: 1622 - 1981 Reaffirmed: 2019	Absent	≥ 2 MPN Present or Absent per 100 ml		e detected in ml sample
31	T. coli	MPN/ 100 ml	IS: 1622 - 1981 Reaffirmed: 2019	Absent	≥ 2 MPN Present or Absent per 100 ml		e detected in ml sample

Table-3.17:
Ground water Quality Results at Borewell Within Premises (September, 2023)

Sr.	Test Parameter	Unit	Protocol/Test Method	Result	Range of testing /limit	Indian	Standard 0: 2012
No					of detection	Desirable	Permissible
		Ι	Physico-chemical Parame	eters	T	1	
1	Colour	Hazen	IS: 3025 (Part-4): 1983 Reaffirmed: 2017	<5.0	5 - 30	5	15
2	Odour	-	IS: 3025 (Part-5): 1983 Reaffirmed: 2017	Agreeable	Qualitative	Agreeable	Agreeable
3	рН	-	APHA 23 <sup>rd</sup> Ed. 2017-4500 H <sup>+</sup>	7.4	1 - 14	6.5-8.5	No Relaxation
4	Turbidity	NTU	APHA 23 <sup>rd</sup> Ed. 2017-2130 B	<2.0	2 - 40	1	5
5	Total Dissolved Solids (TDS)	mg/l	IS: 3025 (Part-16): 1984 Reaffirmed: 2017	392.0	10 - 5000	500	2000
6	Ammonia (as total ammonia-N)	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-4500-NH <sub>3</sub> F	<0.5	0.5 - 2	0.5	No Relaxation
7	Anionic Detergents (as MBAS)	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-5540 C	<0.05	0.05 - 0.5	0.2	1.0
8	Calcium as Ca	mg/l	IS: 3025 (Part-40): 1991 Reaffirmed: 2019	56.3	2.0 - 600	75	200
9	Magnesium as Mg	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3500 Mg, B	30.13	0.1 - 200	30	100
10	Chloride as Cl	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-4500-CI <sup>-</sup> B	26.0	2.0 - 2000	250	1000
11	Fluoride as F	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-4500 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	<0.1	0.1 - 5.0	0.2	1.0
13	Nitrate as NO <sub>3</sub>	mg/l	IS: 3025 (Part-34): 1986 Reaffirmed: 2019	<1.0	1.0 - 70	45	No Relaxation
14	Phenolic Compound (as C <sub>6</sub> H <sub>5</sub> OH)	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-5530 C	<0.001	0.001 - 0.005	0.001	0.002
15	Sulphate as SO <sub>4</sub>	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-4500- SO <sub>4</sub> <sup>2</sup> -	28.0	1.0 - 500	200	400
16	Alkalinity as CaCO <sub>3</sub>	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-2320 B	292.0	2.0 - 1000	200	600
17	Total Hardness as CaCO <sub>3</sub>	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-2340 C	264.0	5.0 - 800	200	600
18	Aluminium as Al	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	<0.015	0.015 - 5.0	0.03	0.2
19	Boron as B	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	<0.05	0.05 - 2.0	0.5	1.0
20	Copper as Cu	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	<0.03	0.03 - 10	0.05	1.5
21	Iron as Fe	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	0.14	0.05 - 20	0.3	No Relaxation
22	Manganese as Mn	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	0.04	0.02 - 5.0	0.1	0.3
23	Zinc as Zn	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	0.58	0.05 - 15	5	15
24	Cadmium as Cd	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	<0.05	0.05 - 2.0	0.003	No Relaxation
25	Lead as Pb	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	<0.01	0.01 - 10	0.01	No Relaxation
26	Mercury as Hg	μg/l	APHA 23 <sup>rd</sup> Ed. 2017-3112 B	<0.5	0.5 - 1000	1.0	No Relaxation
27	Nickel as Ni	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	<0.05	0.05 - 5.0	0.02	No Relaxation
28	Arsenic as As	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	<0.02	0.02 - 2.0	0.01	0.05
29	Total Chromium	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	<0.03	0.03 - 5.0	0.05	No Relaxation
		1	Microbiological Parame	ters	≥ 2 MPN Present	GI II	1
30	E. coli	MPN/ 100 ml	IS: 1622 - 1981 Reaffirmed: 2019	Absent	or Absent per 100 ml		e detected in ml sample
31	T. coli	MPN/ 100 ml	IS: 1622 - 1981 Reaffirmed: 2019	Absent	≥ 2 MPN Present or Absent per 100 ml		e detected in ml sample

EC Compliance April, 2023 to September, 2023

#### 3.5 SOIL MONITORING

#### 3.5.1 Soil Monitoring Locations

The objective of the soil monitoring is to identify the impacts of ongoing project activities on soil quality and also predict impacts, which have arisen due to execution of various constructions allied activities. Accordingly, a study of assessment of the soil quality has been carried out.

To assess impacts of ongoing project activities on the soil in the area, the Physico-chemical characteristics of soils were examined by obtaining soil samples from selected points and analysis of the same. Single sample of soil was collected from the project site for studying soil characteristics, the location of which is listed in **Table-3.18**.

**Table-3.18: Details of Soil Monitoring Stations** 

Sr. No	<b>Location Code</b>	Location name and description
1.	SQ - 01	Near Project site

#### 3.5.2 Methodology of Soil Monitoring

The sampling has been done in line with IS: 2720 & Methods of Soil Analysis, Part-01<sup>st</sup>, 02<sup>nd</sup> Edition, 1986 of American Society for Agronomy and Soil Science Society of America. The homogenized samples were analyzed for physical and chemical characteristics (physical, chemical and heavy metal concentrations). The soil samples were collected in the month of September on 15.09.2023.

The samples have been analyzed as per the established scientific methods for Physico-chemical parameters. The heavy metals have been analyzed by using Atomic Absorption Spectro-photometer.

#### 3.5.3 Soil Monitoring Results

Single sample of soil is collected from the site to check the quality of soil of the study area. The Physico-chemical characteristics of the soil, as obtained from the analysis of the soil sample, are presented in **Table-3.19**.

EC Compliance April, 2023 to September, 2023

Table-3.20: Physico-Chemical Characteristics of Soil at near Plant Site

Sr. No.	Test Parameter	Unit	Protocol/Test Method	Result	Range of testing /limit of detection
1	pН	_	IS: 2720 (Part-26): 1987	7.2	1 - 14
1	PII		Reaffirmed: 2021	7.2	
2	Electrical	μmhos/cm	IS: 14767:2000	298.0	1.0 - 40000
	Conductivity	μπποs/cm	Reaffirmed:2021	290.0	
3	Maistrone contant	%	IS: 2720 (Part-2): 1973	2 10	1.0 - 50
3	<b>Moisture content</b>	%0	Reaffirmed: 2020	3.10	
7	G 1.1	IZ - /II	IS:14685: 1999	12.50	5.0 - 100
7	Sulphur	Kg/Hec	Reaffirmed: 2019	12.58	
8	D		Method Manual of Soil	4.0	4.0 - 100
8	Boron	mg/kg	Testing in India	<4.0	
9	C		Method Manual of Soil	0.20	0.3 - 500
9	Copper	mg/kg	Testing in India	0.39	
10	7:		Method Manual of Soil	<b>5</b> 26	1.0 - 500
10	Zinc	mg/kg	Testing in India	5.36	
11	T		Method Manual of Soil	06.4	5.0 - 500
11	Iron	mg/kg	Testing in India	96.4	
12	Managara		Method Manual of Soil	0.4	5.0 - 500
12	Manganese	mg/kg	Testing in India	8.4	

#### 3.5.4 Discussion on Soil Characteristics in the Study Area

The soil in study area is characterized by moderate organic content. The soil quality in the project area has not been affected by the project activities



#### 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. - Dated:- 03/11/2020 107490/UPPCB/MuzaffarNagar(LAB)/CTE/MUZAFFARNAGAR/202

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:

Main Raw Material Details				
Name of Raw Material	Raw Material Unit Name	Raw Material 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	Metric Tonnes/Day			

#### C- Product with capacity:

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

#### D- By-Product if any with capacity:

By Product Detail			
Name of By Product	Unit Name	Licence Product Capacity	Install Product Capacity
	Metric Tonnes/Day		

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

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

#### F- Quantity of effluent (ln KLD):

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

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

Fuel Consumption Details					
Fuel	Consumption(tpd/kld)	Use			
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
- 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.

including environmental pollution.

Chief Environmental Officer, Circle-3.



#### **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

# 165874/UPPCB/MuzaffarNagar(UPPCBRO)/CTO/both/MUZAFFARNAG Date: 01/11/2022 AR/2022

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

Application Id-17973323

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 01/01/2023 to 31/12/2024 and valid for manufacturing of following products.

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

- 2. Conditions under Water(Prevention and Control of Pollution) Act -1974 as amended :-
- (i) The daily quantity of effluent discharge (KLD):-

Kind of Effluent	Quantity(KLD)	Treatment facility	Discharge point
Industrial	ZLD	ЕТР	ZLD
Domestic	SEPTIC TANK - 12.0 KLD	Septic Tank	SEPTIC TANK

(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**

	S.No.	Parameter	Standard
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- (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
1	рН	AS PER E(P) RULES, 1986
2	BOD (mg/L)	AS PER E(P) RULES, 1986
3	TSS (mg/L)	AS PER E(P) RULES, 1986
4	Fecal Coliform (MPN/100ml)	AS PER E(P) RULES, 1986

#### 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	1 X 22 TPH SLOP FIRED BOILER	Rise Husk- 70 MTD and Slop- 166 Cubic Meter/Day	01	Particulate Matter	70 METER STACK HEIGHT FROM GROUND LEVEL

#### **Emmission Quality Standards**

S No.	Stack no Parameters		Standards	
1	01	Particulate Matter	AS PER E(P) RULES, 1986	

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	Industrial	Commercial	Residential	Silence
Noise level in	Area	Area	Area	Zone
db(A) Leq				

			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 results 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 noncompliance 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 Industial 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.
- 2- The industry shall submit the NOC from the UPGWD to its sister unit M/s IPL, Sugar Unit (from which water is supplied) within a month, failing which consent shall be revoked without any further notice.
- 3- As per the directions given by Commission for Air Quality Management in National Capital Region and Adjoining Areas vide its letter no-A-110018/01/2021-CAQM, dated-04.02.2022, industry shall under all circumstances completely switch over to PNG or Bio Fuels latest by 30.09.2022. Industry should switch over to PNG Fuel as soon as PNG supply is available in the area. Unit must use Rice Husk/Biomass/Agriculture Refuse/Bio Fuel Pellets/Bio Briquettes as per direction given by CAQM in point no. 65.
- 4- This consent is valid only for Zero Liquid Discharge (ZLD).
- 5- 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.
- 6- The unit shall maintain strict supervision upon fluctuations in operating parameters with respect to each treatment unit of the Effluent treatment plant.
- 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 standards prescribed under the E.P Act 1986 as amended.

- 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 standard laid down under the E.P Act 1986 as amended.
- 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- The Industry will use minimum 20% Bio Briquette as fuel in the Boiler depending upon its availability.
- 34- 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.
- 35- 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.
- 36- 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.
- 37- Fermented solid waste-35 MTD will be utilized to mixed with Boiler Ash-2.0 MTD to make manure and shall be distribute to nearby farmers.
- 38- 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. The copy of this guideline is available at URL http://www.uppcb.com/pdf/Green-Belt-Guidle\_160218.pdf and industry shall establish Miyawaki forest inside the factory in sufficient area.

#### **Chief Environmental Officer (Circle 3)**

Copy to:

Regional Officer, U.P. Pollution Control Board, MuzaffarNagar to ensure the compliance of the conditions imposed in the certificate.

**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: doeuplko@yahoo.com Website: www.seiaaup.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......3.9.5...../Parya/SEAC/5764-5646/2019

Date: 4 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:-

- 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.
- The additional terms of reference in the matter were issued by SEIAA, U.P. vide letter no. 208/Parya/SEAC/5646/2018, dated 27/072020
- 3. Final EIA report submitted by the project proponent on 13th 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 8 and Schedule: 5 (g)	
5	Process Involve	Distillery Process :	

	22	Molasses Dilution 2. Yeast Propagation     Fermentation 4. Multi Pressure Distillation
6	Product	RS/ ENA / Ethanol (AA) : 65.3 KLD
7	Raw material and its Quantity	Molasses) & Sugarcane Syrup
ė	kaw material and its Quantity	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. Lan	d Use Details:	Signal Action	
Sr No.	Land use	Area (sqm)	Area in %
1	Green Belt Area	23.060.0	33.00

E.C. 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	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
Separation of	GRAND TOTAL	69,880.0	100

7. Raw material required with daily consumption and transport:

SI. 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
7777	<b>"大众"</b> 医皮肤 连 原	Other Chemi	cals	· 可以特殊的
2.	Sulphuric Acid	435 Kg/day	Storage facility will be	Nearby markets/ by
3.	Sodium hydroxide (caustic)	870 kg/ day	available for the chemical within	roads
4.	Nutrients	205 kg/day	proposed distillery	The state of the s
5.	Enzymes	35.7 kg/Day	premises as per	TO STATE OF THE PARTY OF THE PA
6.	Anti-foam agents	58.0 kg/Day	requirement.	

- 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:
	(C)	washing etc. will be treated in CPU and treated water the condensate, Blow downs of CT, Boiler, Floor washing etc. will be treated in CPU and treated water the condensate, Blow downs of CT, Boiler, Floor washing etc. will be treated in CPU and treated water the condensate, Blow downs of CT, Boiler, Floor washing etc. will be treated in CPU and treated water

E.C. 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.

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:-

#### I. Statutory compliance:

- 45 days monitoring report of the area for air quality, water quality, Noise level. Besides flora & fauna should be examined twice a week and be submitted within 60 days for a record.
- 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.
- 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.
- The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
- 5. The project proponent shall prepare a Site-Specific Conservation Plan & 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).
- The project proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State pollution Control Board / Committee.
- The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time.
- 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

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

- 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.s 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).
- 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 /fugit ive emissions to Regional Office of MoEF&CC, Zonal office of CPCB and Regional Office of SPCB along with six- monthly monitoring report.
- 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.
- 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

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E.C. 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.

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

- 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.
- 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:

- 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.
- 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).
- 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.
- 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.
- 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.
- 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.
- 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:

- Acoustic enclosure shall be provided to DG set for controlling the noise pollution.
- The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation.
- The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz. 75 dB(A) during day time and 70 dB(A) during night time.

#### V. Energy Conservation measures:

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

#### VI. Waste management:

- 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.
- 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.
- The company shall undertake waste minimization measures as below :-
  - Metering and control of quantities of active ingredients to minimize waste.
  - 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 a gree 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:

- 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.
- 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.
- Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
- 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:

- 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 approve 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 /wildli fe norms / conditions. The company shall have defined system of reporting infringements / deviation/ violation of the environmental/ forest / wildlife norms I 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.
- A separate Environmental Cell both at the project and company head quarter lev el, 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.
- Self environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.

#### X. Miscellaneous:

- 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.
- 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.
- 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.

- 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.
- 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.
- The project proponent shall monitor the criteria pollutants level namely; PM10, SO2, NOx (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.
- 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.
- 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.
- 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.
- 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).
- 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.
- The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
- 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.
- 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 in not a part of any no- development zone as required/prescribed/indentified 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

E.C. 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.

given in E.C. letter within 3 months, falling 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.
- Advisor, IA Division, Ministry of Environment, Forests & Climate Change, Govt. of India, Indira Paryavaran Bhawan, Jor Bagh Road, Aliganj, New Delhi.
- Additional Director, Regional Office, Ministry of Environment & Forests, (Central Region), Kendriya Bhawan, 5th Floor, Sector-H, Aliganj, Lucknow.
- 4. District Magistrate Muzaffarnagar.
- 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



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#### ETRC/PM09/TEST-REP/FT/45

#### **TEST REPORT** WATER & WASTE WATER ANALYSIS

Test Report Ref No.: ETRC/EPA/8378/2023	Date of Report: 03/04/2023
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	01.04.2023	7	Analysis Start Date	01.04.2023
4	Sample Quantity	5.0 liters	8	Analysis End Date	03.04.2023

#### **TEST RESULT**

Sr.	Test Parameter	Unit	Protocol/Test Method	Result	Range of testing	Indian Standard 10500: 2012	
No		J	- Fotosow Foot Mourieu	Rooun	/limit of detection	Desirable	Permissible
			Physico-chemical Para	meters			
1	Colour	Hazen	IS: 3025 (Part-4): 1983 Reaffirmed: 2017	<5.0	5 - 30	5	15
2	Odour	-	IS: 3025 (Part-5): 1983 Reaffirmed: 2017	Agreeable	Qualitative	Agreeable	Agreeable
3	рH	-	APHA 23 <sup>rd</sup> Ed. 2017-4500 H <sup>+</sup>	7.5	1 - 14	6.5-8.5	No Relaxation
4	Turbidity	NTU	APHA 23 <sup>rd</sup> Ed. 2017-2130 B	BDL	2 - 40	1	5
5	Total Dissolved Solids (TDS)	mg/l	IS: 3025 (Part-16): 1984 Reaffirmed: 2017	386.4	10 - 5000	500	2000
6	Ammonia (as total ammonia-N)	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-4500-NH <sub>3</sub> F	BDL	0.5 - 2	0.5	No Relaxation
7	Anionic Detergents (as MBAS)	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-5540 C	BDL	0.05 - 0.5	0.2	1.0
8	Calcium as Ca	mg/l	IS: 3025 (Part-40): 1991 Reaffirmed: 2019	52.8	2.0 - 600	75	200
9	Magnesium as Mg	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3500 Mg, B	30.13	0.1 - 200	30	100
10	Chloride as Cl	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-4500-Cl <sup>-</sup> B	30.0	2.0 - 2000	250	1000
11	Fluoride as F	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-4500 F⁻C	0.35	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> H₅OH)	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-5530 C	BDL	0.001 - 0.005	0.001	0.002
15	Sulphate as SO₄	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-4500- SO <sub>4</sub> <sup>2-</sup>	26.0	1.0 - 500	200	400
16	Alkalinity as CaCO <sub>3</sub>	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-2320 B	280.0	2.0 - 1000	200	600
17	Total Hardness as CaCO₃	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-2340 C	256.0	5.0 - 800	200	600
18	Aluminium as Al	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	BDL	0.015 - 5.0	0.03	0.2
19	Boron as B	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	BDL	0.05 - 2.0	0.5	1.0
20	Copper as Cu	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	BDL	0.03 - 10	0.05	1.5

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# ETRC

#### ENVIRONMENTAL AND TECHNICAL RESEARCH CENTRE

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

Test Report Ref No.: ETRC/EPA/8378/2023

Iron as Fe	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	0.11	0.05 - 20	0.3	No Relaxation
Manganese as Mn	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	0.05	0.02 - 5.0	0.1	0.3
Zinc as Zn	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	0.36	0.05 - 15	5	15
Cadmium as Cd	mg/l	(ICP-OES)	BDL	0.05 - 2.0	0.003	No Relaxation
Lead as Pb	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	BDL	0.01 - 10	0.01	No Relaxation
Mercury as Hg	µg/l	APHA 23 <sup>rd</sup> Ed. 2017-3112 B	BDL	0.5 - 1000	1.0	No Relaxation
Nickel as Ni	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	BDL	0.05 - 5.0	0.02	No Relaxation
Arsenic as As	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	BDL	0.02 - 2.0	0.01	0.05
Total Chromium	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	BDL	0.03 - 5.0	0.05	No Relaxation
		Microbiological Param	eters			
E. coli	MPN/ 100 ml	IS: 1622 - 1981 Reaffirmed: 2019	Absent	≥ 2 MPN Present or Absent per 100 ml	Shall not be detected in any 100 ml sample	
T. coli	MPN/ 100 ml	IS: 1622 - 1981 Reaffirmed: 2019	≥ 2 MPN Present or Absent Absent per		Shall not be detected in any 100 ml sample	
	Manganese as Mn Zinc as Zn Cadmium as Cd Lead as Pb Mercury as Hg Nickel as Ni Arsenic as As Total Chromium E. coli T. coli	Manganese as Mn mg/l Zinc as Zn mg/l Cadmium as Cd mg/l Lead as Pb mg/l Mercury as Hg µg/l Nickel as Ni mg/l Arsenic as As mg/l Total Chromium mg/l  E. coli MPN/100 ml T. coli MPN/100 ml	Manganese as Mn   mg/l   APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)     Zinc as Zn   mg/l   APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)     Cadmium as Cd   mg/l   APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)     Lead as Pb   mg/l   APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)     Mercury as Hg   µg/l   APHA 23 <sup>rd</sup> Ed. 2017-3112 B (ICP-OES)     APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)     A	Manganese as Mn   mg/l   APHA 23 <sup>rd</sup> Ed. 2017-3120 B   (ICP-OES)     Zinc as Zn   mg/l   APHA 23 <sup>rd</sup> Ed. 2017-3120 B   (ICP-OES)     Cadmium as Cd   mg/l   APHA 23 <sup>rd</sup> Ed. 2017-3120 B   (ICP-OES)     Lead as Pb   mg/l   APHA 23 <sup>rd</sup> Ed. 2017-3120 B   (ICP-OES)     Mercury as Hg   µg/l   APHA 23 <sup>rd</sup> Ed. 2017-3120 B   (ICP-OES)     Mickel as Ni   mg/l   APHA 23 <sup>rd</sup> Ed. 2017-3120 B   (ICP-OES)     APHA 23 <sup>rd</sup> Ed. 2017-3120 B   (ICP-OES)   (ICP-OES)     APHA 23 <sup>rd</sup> Ed. 2017-3120 B   (ICP-OES)   (ICP-OES)	Manganese as Mn   mg/l   APHA 23 <sup>rd</sup> Ed. 2017-3120 B   0.05 - 2.0	Manganese as Mn   mg/l   APHA 23 <sup>rd</sup> Ed. 2017-3120 B   (ICP-OES)   0.05 - 2.0   0.1

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.

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Authorized Signatory (Sandeep Kr Verma) Lab-Incharge CHECKED SO

Authorized Signatory (Ritu Garg) QM

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#### ETRC/PM09/TEST-REP/FT/45

# TEST REPORT WATER & WASTE WATER ANALYSIS

Test Report Ref No.: ETRC/EPA/8790/2023	Date of Report: 27/05/2023
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	23.05.2023	7	Analysis Start Date	23.05.2023
4	Sample Quantity	5.0 liters	8	Analysis End Date	26.05.2023

#### **TEST RESULT**

Sr.	Test Parameter	Unit	Protocol/Test Method	Result	Range of testing	Indian Standard 10500: 2012	
No			Trotogon Toot Motilloa	Rooult	/limit of detection	Desirable	Permissible
			Physico-chemical Para	meters			
1	Colour	Hazen	IS: 3025 (Part-4): 1983 Reaffirmed: 2017	<5.0	5 - 30	5	15
2	Odour	-	IS: 3025 (Part-5): 1983 Reaffirmed: 2017	Agreeable	Qualitative	Agreeable	Agreeable
3	pH	-	APHA 23 <sup>rd</sup> Ed. 2017-4500 H	7.3	1 - 14	6.5-8.5	No Relaxation
4	Turbidity	NTU	APHA 23 <sup>rd</sup> Ed. 2017-2130 B	BDL	2 - 40	1	5
5	Total Dissolved Solids (TDS)	mg/l	IS: 3025 (Part-16): 1984 Reaffirmed: 2017	402.6	10 - 5000	500	2000
6	Ammonia (as total ammonia-N)	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-4500-NH <sub>3</sub> F	BDL	0.5 - 2	0.5	No Relaxation
7	Anionic Detergents (as MBAS)	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-5540 C	BDL	0.05 - 0.5	0.2	1.0
8	Calcium as Ca	mg/l	IS: 3025 (Part-40): 1991 Reaffirmed: 2019	52.8	2.0 - 600	75	200
9	Magnesium as Mg	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3500 Mg, B	28.18	0.1 - 200	30	100
10	Chloride as Cl	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-4500-Cl <sup>-</sup> B	26.0	2.0 - 2000	250	1000
11	Fluoride as F	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-4500 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 23 <sup>rd</sup> Ed. 2017-5530 C	BDL	0.001 - 0.005	0.001	0.002
15	Sulphate as SO <sub>4</sub>	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-4500- SO <sub>4</sub> <sup>2-</sup>	28.0	1.0 - 500	200	400
16	Alkalinity as CaCO <sub>3</sub>	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-2320 B	288.0	2.0 - 1000	200	600
17	Total Hardness as CaCO₃	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-2340 C	248.0	5.0 - 800	200	600
18	Aluminium as Al	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	BDL	0.015 - 5.0	0.03	0.2
19	Boron as B	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	BDL	0.05 - 2.0	0.5	1.0
20	Copper as Cu	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	BDL	0.03 - 10	0.05	1.5

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Test Report Ref No.: ETRC/EPA/8790/2023

	se responenten non n						
21	Iron as Fe	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	0.15	0.05 - 20	0.3	No Relaxation
22	Manganese as Mn	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	0.04	0.02 - 5.0	0.1	0.3
23	Zinc as Zn	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	0.58	0.05 - 15	5	15
24	Cadmium as Cd	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	BDL	0.05 - 2.0	0.003	No Relaxation
25	Lead as Pb	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	BDL	0.01 - 10	0.01	No Relaxation
26	Mercury as Hg	μg/l	APHA 23 <sup>rd</sup> Ed. 2017-3112 B	BDL	0.5 - 1000	1.0	No Relaxation
27	Nickel as Ni	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	BDL	0.05 - 5.0	0.02	No Relaxation
28	Arsenic as As	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	BDL	0.02 - 2.0	0.01	0.05
29	Total Chromium	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	BDL	0.03 - 5.0	0.05	No Relaxation
			Microbiological Param	eters			
30	E. coli	MPN/ 100 ml	IS: 1622 - 1981 Reaffirmed: 2019	Absent	≥ 2 MPN Present or Absent per 100 ml	Shall not be detected in an 100 ml sample	
31	T. coli	MPN/ 100 ml	IS: 1622 - 1981 Reaffirmed: 2019	Absent	≥ 2 MPN Present or Absent per 100 ml	Shall not be detected in a 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.

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Authorized Signatory (Sandeep Kr Verma) Lab-Incharge CHECKED BASE

Authorized Signatory (Ritu Garg)

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#### ETRC/PM09/TEST-REP/FT/45

# TEST REPORT WATER & WASTE WATER ANALYSIS

Test Report Ref No.: ETRC/2006/11970/2023	Date of Report: 20/06/2023
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	15.06.2023	7	Analysis Start Date	15.06.2023
4	Sample Quantity	5.0 liters	8	Analysis End Date	19.06.2023

#### **TEST RESULT**

Sr.	Test Parameter	est Parameter Unit Protoc		ol/Test Method Result		Indian Standard 10500: 2012	
No			Trotocol/rest method		/limit of detection	Desirable	Permissible
		//	Physico-chemical Para	meters			
1	Colour	Hazen	IS: 3025 (Part-4): 1983 Reaffirmed: 2017	<5.0	5 - 30	5	15
2	Odour	-	IS: 3025 (Part-5): 1983 Reaffirmed: 2017	Agreeable	Qualitative	Agreeable	Agreeable
3	рH	-	APHA 23 <sup>rd</sup> Ed. 2017-4500 H <sup>+</sup>	7.4	1 - 14	6.5-8.5	No Relaxation
4	Turbidity	NTU	APHA 23 <sup>rd</sup> Ed. 2017-2130 B	BDL	2 - 40	1	5
5	Total Dissolved Solids (TDS)	mg/l	IS: 3025 (Part-16): 1984 Reaffirmed: 2017	398.4	10 - 5000	500	2000
6	Ammonia (as total ammonia-N)	mg/l	ÅPHA 23 <sup>rd</sup> Ed. 2017-4500-NH <sub>3</sub> F	BDL	0.5 - 2	0.5	No Relaxation
7	Anionic Detergents (as MBAS)	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-5540 C	BDL	0.05 - 0.5	0.2	1.0
8	Calcium as Ca	mg/l	IS: 3025 (Part-40): 1991 Reaffirmed: 2019	57.6	2.0 - 600	75	200
9	Magnesium as Mg	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3500 Mg, B	30.13	0.1 - 200	30	100
10	Chloride as Cl	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-4500-Cl <sup>-</sup> B	28.0	2.0 - 2000	250	1000
11	Fluoride as F	mg/i	APHA 23 <sup>rd</sup> Ed. 2017-4500 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 23 <sup>rd</sup> Ed. 2017-5530 C	BDL	0.001 - 0.005	0.001	0.002
15	Sulphate as SO₄	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-4500- SO <sub>4</sub> <sup>2-</sup>	26.0	1.0 - 500	200	400
16	Alkalinity as CaCO <sub>3</sub>	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-2320 B	296.0	2.0 - 1000	200	600
17	Total Hardness as CaCO₃	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-2340 C	268.0	5.0 - 800	200	600
18	Aluminium as Al	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	BDL	0.015 - 5.0	0.03	0.2
19	Boron as B	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	BDL	0.05 - 2.0	0.5	1.0
20	Copper as Cu	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	BDL	0.03 - 10	0.05	1.5

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Test Report Ref No.: ETRC/2006/11970/2023

30	E. coli	100 ml	Reaffirmed: 2019	Absent	Present or Absent per 100 ml ≥ 2 MPN Present or	per 100 ml sample	
		MPN/	IS: 1622 - 1981		≥ 2 MPN	Shall not be	dotacted in care
			Microbiological Param	eters	1		<del>-</del>
29	Total Chromium	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	BDL	0.03 - 5.0	0.05	No Relaxation
28	Arsenic as As	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	BDL	0.02 - 2.0	0.01	0.05
27	Nickel as Ni	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	BDL	0.05 - 5.0	0.02	No Relaxation
26	Mercury as Hg	μg/l	APHA 23 <sup>rd</sup> Ed. 2017-3112 B	BDL	0.5 - 1000	1.0	No Relaxation
25	Lead as Pb	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	BDL	0.01 - 10	0.01	No Relaxation
24	Cadmium as Cd	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	BDL	0.05 - 2.0	0.003	No Relaxation
23	Zinc as Zn	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	0.42	0.05 - 15	5	15
22	Manganese as Mn	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	0.03	0.02 - 5.0	0.1	0.3
21	Iron as Fe	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	0.10	0.05 - 20	0.3	No Relaxation

**BDL=Below Detection Limit** 

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

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Authorized Signatory (Sandeep Kr Verma) Lab-Incharge CHECKED SEA

Authorized Signatory
(Ritu Garg)

QM



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#### ETRC/PM09/TEST-REP/FT/45

# TEST REPORT WATER & WASTE WATER ANALYSIS

Test Report Ref No.: ETRC/EPA/9080/2023	Date of Report: 29/07/2023
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	26.07.2023	7	Analysis Start Date	26.07.2023
4	Sample Quantity	5.0 liters	8	Analysis End Date	29.07.2023

#### **TEST RESULT**

Sr.	Test Parameter	Unit	Protocol/Test Method	Result	Range of testing	Indian Standard 10500: 2012	
No	1 oct / dramotor	J.II.			/limit of detection	Desirable	Permissible
			Physico-chemical Para	meters			
1	Colour	Hazen	IS: 3025 (Part-4): 1983 Reaffirmed: 2017	<5.0	5 - 30	5	15
2	Odour	-	IS: 3025 (Part-5): 1983 Reaffirmed: 2017	Agreeable	Qualitative	Agreeable	Agreeable
3	рН		APHA 23 <sup>rd</sup> Ed. 2017-4500 H <sup>+</sup>	7.5	1 - 14	6.5-8.5	No Relaxation
4	Turbidity	NTU	APHA 23 <sup>rd</sup> Ed. 2017-2130 B	BDL	2 - 40	1	5
5	Total Dissolved Solids (TDS)	mg/l	IS: 3025 (Part-16): 1984 Reaffirmed: 2017	396.0	10 - 5000	500	2000
6	Ammonia (as total ammonia-N)	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-4500-NH <sub>3</sub> F	BDL	0.5 - 2	0.5	No Relaxation
7	Anionic Detergents (as MBAS)	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-5540 C	BDL	0.05 - 0.5	0.2	1.0
8	Calcium as Ca	mg/l	IS: 3025 (Part-40): 1991 Reaffirmed: 2019	54.4	2.0 - 600	75	200
9	Magnesium as Mg	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3500 Mg, B	29.16	0.1 - 200	30	100
10	Chloride as Cl	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-4500-Cl <sup>-</sup> B	30.0	2.0 - 2000	250	1000
11	Fluoride as F	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-4500 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> H₅OH)	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-5530 C	BDL	0.001 - 0.005	0.001	0.002
15	Sulphate as SO <sub>4</sub>	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-4500- SO <sub>4</sub> <sup>2-</sup>	28.0	1.0 - 500	200	400
16	Alkalinity as CaCO <sub>3</sub>	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-2320 B	284.0	2.0 - 1000	200	600
17	Total Hardness as CaCO₃	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-2340 C	256.0	5.0 - 800	200	600
18	Aluminium as Al	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	BDL	0.015 - 5.0	0.03	0.2
19	Boron as B	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	BDL	0.05 - 2.0	0.5	1.0
20	Copper as Cu	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	BDL	0.03 - 10	0.05	1.5

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21	Iron as Fe	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	0.09	0.05 - 20	0.3	No Relaxation
22	Manganese as Mn	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	0.06	0.02 - 5.0	0.1	0.3
23	Zinc as Zn	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	0.56	0.05 - 15	5	15
24	Cadmium as Cd	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	BDL	0.05 - 2.0	0.003	No Relaxation
25	Lead as Pb	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	BDL	0.01 - 10	0.01	No Relaxation
26	Mercury as Hg	µg/l	APHA 23 <sup>rd</sup> Ed. 2017-3112 B	BDL	0.5 - 1000	1.0	No Relaxation
27	Nickel as Ni	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	BDL	0.05 - 5.0	0.02	No Relaxation
28	Arsenic as As	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	BDL	0.02 - 2.0	0.01	0.05
29	Total Chromium	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	BDL	0.03 - 5.0	0.05	No Relaxation
			Microbiological Param	neters			
30	E. coli	MPN/ 100 ml	IS: 1622 - 1981 Reaffirmed: 2019	Absent	≥ 2 MPN Present or Absent per 100 ml		detected in any
31	T. coli	MPN/ 100 ml	IS: 1622 - 1981 Reaffirmed: 2019	Absent	≥ 2 MPN Present or Absent per 100 ml		detected in any

BDL≃Below Detection Limit

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

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**Authorized Signatory** (Sandeep Kr Verma) Lab-Incharge

وسهيد نبالزح **Authorized Signatory** (Ritu Garg)

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#### ETRC/PM09/TEST-REP/FT/45

# TEST REPORT WATER & WASTE WATER ANALYSIS

Test Report Ref No.: ETRC/EPA/9221/2023	Date of Report: 23/08/2023
Name /Address/Type of Industry	M/s Indian Potash Limited
	Unit: Rohana Kalan (Distillery Division)
(2),	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	19.08.2023	7	Analysis Start Date	19.08.2023
4	Sample Quantity	5.0 liters	8	Analysis End Date	22.08.2023

#### **TEST RESULT**

Sr.	Test Parameter	Test Parameter Unit Protocol/Test Method		Result	Range of testing	Indian Standard 10500: 2012	
No			Total of Mathematical	Robuit	/limit of detection	Desirable	Permissible
			Physico-chemical Para	meters			
1	Colour	Hazen	IS: 3025 (Part-4): 1983 Reaffirmed: 2017	<5.0	5 - 30	5	15
2	Odour	-	IS: 3025 (Part-5): 1983 Reaffirmed: 2017	Agreeable	Qualitative	Agreeable	Agreeable
3	pH	-	APHA 23 <sup>rd</sup> Ed. 2017-4500 H <sup>+</sup>	7.3	1 - 14	6.5-8.5	No Relaxation
4	Turbidity	NTU	APHA 23 <sup>rd</sup> Ed. 2017-2130 B	BDL	2 - 40	1	5
5	Total Dissolved Solids (TDS)	mg/l	IS: 3025 (Part-16): 1984 Reaffirmed: 2017	375.6	10 - 5000	500	2000
6	Ammonia (as total ammonia-N)	mg/l	ÅPHA 23 <sup>rd</sup> Ed. 2017-4500-NH <sub>3</sub> F	BDL	0.5 - 2	0.5	No Relaxation
7	Anionic Detergents (as MBAS)	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-5540 C	BDL	0.05 - 0.5	0.2	1.0
8	Calcium as Ca	mg/l	IS: 3025 (Part-40): 1991 Reaffirmed: 2019	54.4	2.0 - 600	75	200
9	Magnesium as Mg	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3500 Mg, B	30.13	0.1 - 200	30	100
10	Chloride as CI	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-4500-Cl <sup>-</sup> B	28.0	2.0 - 2000	250	1000
11	Fluoride as F	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-4500 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 23 <sup>rd</sup> Ed. 2017-5530 C	BDL	0.001 - 0.005	0.001	0.002
15	Sulphate as SO₄	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-4500- SO <sub>4</sub> <sup>2-</sup>	30.0	1.0 - 500	200	400
16	Alkalinity as CaCO <sub>3</sub>	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-2320 B	280.0	2.0 - 1000	200	600
17	Total Hardness as CaCO₃	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-2340 C	260.0	5.0 - 800	200	600
18	Aluminium as Al	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	BDL	0.015 - 5.0	0.03	0.2
19	Boron as B	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	BDL	0.05 - 2.0	0.5	1.0
20	Copper as Cu	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	BDL	0.03 - 10	0.05	1.5

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Test Report Ref No.: ETRC/EPA/9221/2023

100	er vehour ver uo"		M322 112025				
21	Iron as Fe	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	0.13	0.05 - 20	0.3	No Relaxation
22	Manganese as Mn	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	0.02	0.02 - 5.0	0.1	0.3
23	Zinc as Zn	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	0.64	0.05 - 15	5	15
24	Cadmium as Cd	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	BDL	0.05 - 2.0	0.003	No Relaxation
25	Lead as Pb	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	BDL	0.01 - 10	0.01	No Relaxation
26	Mercury as Hg	μg/l	APHA 23 <sup>rd</sup> Ed. 2017-3112 B	BDL	0.5 - 1000	1.0	No Relaxation
27	Nickel as Ni	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	BDL	0.05 - 5.0	0.02	No Relaxation
28	Arsenic as As	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	BDL	0.02 - 2.0	0.01	0.05
29	Total Chromium	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	BDL	0.03 - 5.0	0.05	No Relaxation
			Microbiological Param	eters		7	
30	E. coli	MPN/ 100 ml	IS: 1622 - 1981 Reaffirmed: 2019	Absent	≥ 2 MPN Present or Absent per 100 ml	Shall not be detected in any 100 ml sample	
31	T. coli	MPN/ 100 ml	IS: 1622 - 1981 Reaffirmed: 2019	Absent	≥ 2 MPN Present or Absent per 100 ml	Shall not be detected in any 100 ml sample	

**BDL=Below Detection Limit** 

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

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Authorized Signatory
(Ritu Garg)
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#### ETRC/PM09/TEST-REP/FT/42

# TEST REPORT AMBIENT AIR QUALITY MONITORING REPORT

	Report Ref No.: ETRC/EPA/9294/2023	Date of Report: 20/09/	<b>Date of Report:</b> 20/09/2023			
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				
Moni	tored by	ETRC, Lucknow				
Loca	tion of Sampling point	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 (%)	54	54			
(d)	Average ambient temperature (°C)	29	29			
(e)	Time of Sampling Started (Hours)	08:29 am (14.09.2023)	08:29 am (14.09.2023)			
(f)	Time of Sampling completed (Hours)	08:10 am (15.09.2023)	08:10 am (15.09.2023)			
(g)	Total time of sampling (Minutes)	24 hour (1415 minutes)	24 hour (1415 minutes)			
2	Average sampling rate for PM (m³/minute)	1.175	NA			
3	Average sampling rate for gas (LPM)	0.5	NA			
4	<ul> <li>TOTAL VOLUME OF AIR SAMPLED</li> <li>PM (m³)</li> <li>GAS (liter)</li> </ul>	<ul><li>1663.095</li><li>707.7</li></ul>	• 23.589			

#### **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>	81.5	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/m³	49.60	2.0 - 500	For 24 hour =60
3	Sulphur Dioxide (SO <sub>2</sub> )	IS: 5182 (Part-2): 2001 Reaffirmed: 2022	µg/m³	14.01	5.0 - 1050	For 24 hour =80
4	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182 (Part-6): 2006 Reaffirmed: 2022	µg/m³	18.98	6.0 - 750	For 24 hour =80

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

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Authorized Signatory (Sandeep Kr Verma) Lab-Incharge



Authorized Signatory (Ritu Garg) QM

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#### ETRC/PM09/TEST-REP/FT/42

# TEST REPORT AMBIENT AIR QUALITY MONITORING REPORT

Test	Report Ref No.: ETRC/EPA/9295/2023	Date of Report: 20/09/	2023		
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					
Loca	tion 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 (%)	54	54		
(d)	Average ambient temperature (°C)	29	29		
(e)	Time of Sampling Started (Hours)	08:35 am (14.09.2023)	08:35 am (14.09.2023)		
(f)	Time of Sampling completed (Hours)	08:20 am (15.09.2023)	08:20 am (15.09.2023)		
(g)	Total time of sampling (Minutes)	24 hour (1409 minutes)	24 hour (1409 minutes)		
2	Average sampling rate for PM (m³/minute)	1.155	NA		
3	Average sampling rate for gas (LPM)	0.5	NA		
4	TOTAL VOLUME OF AIR SAMPLED				
	• PM (m <sup>3</sup> )	• 1627.164	• 23.478		
	GAS (liter)	• 704.4			

#### **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/m³	79.4	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/m³	46.43	2.0 - 500	For 24 hour =60
3	Sulphur Dioxide (SO <sub>2</sub> )	IS: 5182 (Part-2): 2001 Reaffirmed: 2022	µg/m³	13.25	5.0 - 1050	For 24 hour =80
4	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182 (Part-6): 2006 Reaffirmed: 2022	µg/m³	18.63	6.0 - 750	For 24 hour =80

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

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Authorized Signatory (Sandeep Kr Verma) Lab-Incharge



Authorized Signatory
(Ritu Garg)
QM



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#### ETRC/PM09/TEST-REP/FT/42

# TEST REPORT AMBIENT AIR QUALITY MONITORING REPORT

Test	Report Ref No.: ETRC/EPA/9296/2023	Date of Report: 20/09/	2023		
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			
Moni	tored by	ETRC, Lucknow			
Loca	tion of Sampling point	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 (%)	54	54		
(d)	Average ambient temperature (°C)	29	29		
(e)	Time of Sampling Started (Hours)	08:40 am (14.09.2023)	08:40 am (14.09.2023)		
(f)	Time of Sampling completed (Hours)	08:26 am (15.09.2023)	08:26 am (15.09.2023)		
(g)	Total time of sampling (Minutes)	24 hour (1419 minutes)	24 hour (1419 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	<ul> <li>TOTAL VOLUME OF AIR SAMPLED</li> <li>PM (m³)</li> <li>GAS (liter)</li> </ul>	<ul><li>1653.135</li><li>709.5</li></ul>	• 23.649		

#### **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>	76.8	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/m³	46.94	2.0 - 500	For 24 hour =60
3	Sulphur Dioxide (SO <sub>2</sub> )	IS: 5182 (Part-2): 2001 Reaffirmed: 2022	µg/m³	13.25	5.0 - 1050	For 24 hour =80
4	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182 (Part-6): 2006 Reaffirmed: 2022	μg/m³	18.66	6.0 - 750	For 24 hour =80

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

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Authorized Signatory (Sandeep Kr Verma) Lab-Incharge



Authorized Signatory (Ritu Garg) QM



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#### ETRC/PM09/TEST-REP/FT/42

# TEST REPORT AMBIENT AIR QUALITY MONITORING REPORT

Test	Report Ref No.: ETRC/EPA/9297/2023	Date of Report: 20/09/	/2023		
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			
Moni	tored by	ETRC, Lucknow			
Loca	tion of Sampling point	Near Project Site			
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 (%)	54	54		
(d)	Average ambient temperature (°C)	29	29		
(e)	Time of Sampling Started (Hours)	08:46 am (14.09.2023)	08:46 am (14.09.2023)		
(f)	Time of Sampling completed (Hours)	08:31 am (15.09.2023)	08:31 am (15.09.2023)		
(g)	Total time of sampling (Minutes)	24 hour (1420 minutes)	24 hour (1420 minutes)		
2	Average sampling rate for PM (m³/minute)	1.145	NA		
3	Average sampling rate for gas (LPM)	0.5	NA		
4	TOTAL VOLUME OF AIR SAMPLED	*			
	• PM (m <sup>3</sup> )	• 1626.129	• 23.671		
	GAS (liter)	• 710.1			

#### **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>	80.9	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/m³	49.85	2.0 - 500	For 24 hour =60
3	Sulphur Dioxide (SO <sub>2</sub> )	IS: 5182 (Part-2): 2001 Reaffirmed: 2022	µg/m³	14.04	5.0 - 1050	For 24 hour =80
4	Nitrogen Dioxide (NO <sub>2</sub> )	IS: 5182 (Part-6): 2006 Reaffirmed: 2022	μg/m³	19.38	6.0 - 750	For 24 hour =80

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

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Authorized Signatory (Sandeep Kr Verma) Lab-Incharge



Authorized Signatory (Ritu Garg) QM

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#### ETRC/PM09/TEST-REP/FT/43

# TEST REPORT STACK EMISSION MONITORING AND ANALYSIS REPORT

Test	Report Ref No.: ETRC/EPA/9298/2023	Date of Report: 20/09/2023		
Nam	e /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		
Monit	ored by	ETRC, Lucknow		
Sr. No.	GENERAL INFORMATION	DETAILS		
1.(a)	Date of monitoring	13.09.2023		
(b)	Stack material	RCC		
(c)	Height of stack from ground level	70.0 mts		
(d)	Source to which stack attached	Boiler		
(e)	No of boiler attached with capacity	01 No. (22.0 TPH)		
(f)	Type and quantity of fuel used	Slop & Bagasse		
(g)	Details of APCS installed	ESP		
2.	PARAMETERS	VALUES		
(a)	Ambient temperature (°C)	34.0		
(b)	Stack gas temperature (°C)	135.0		
(c)	Stack gas velocity (m/sec)	11.87		
(d)	Flow rate (LPM)	17		
(e)		60		
(f)	Volume of air sampled (liters)	1020		

#### **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	44.6	2.0 - 1000	150

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Authorized Signatory (Sandeep Kr Verma) Lab-Incharge



Authorized Signatory (Ritu Garg) QM



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#### ETRC/PM09/TEST-REP/FT/44

# TEST REPORT AMBIENT NOISE MONITORING AND ANALYSIS REPORT

Test Report Ref No.: ETRC/EPA/9299/2023		Date of Report: 20/09/2023
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
Monitor	ed by	ETRC, Lucknow
Sr. No.	GENERAL INFORMATION	DETAILS
(a)	Date of monitoring	14/09/2023 (06:00 AM) to 15/09/2023 (06:00 AM)
(b)	Sample Description	Ambient Noise
(c)	Sampling Location	Near Project Site
(d)	Environmental Condition	Normal

#### **TEST RESULT**

	Ambient Nois <mark>e</mark> Level				
Sr. No.	Parameter	Unit	Results DAY TIME (6:00 AM - 10:00 PM)	Results NIGHT TIME (10:00 PM - 6:00 AM)	
1	Equivalent sound level	dB(A)	59.46	48.25	

	Noise Standards as per CPC	B Schedule rule 3(1)	and 4(1)
Area Code	dB(A) Leq		
Area Code	Category of Area/Zone	Day Time	Night Time
Α	Industrial Area	75	70
В	Commercial Area	65	55
С	<sup>®</sup> Residential Area	55	45
D	Silence Zone	50	40

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

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Authorized Signatory (Sandeep Kr Verma) Lab-Incharge CHECKED CHECKED

Authorized Signatory
(Ritu Garg)
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#### ETRC/PM09/TEST-REP/FT/45

# TEST REPORT WATER & WASTE WATER ANALYSIS

Test Report Ref No.: ETRC/EPA/9300/2023	Date of Report: 20/09/2023
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	15.09.2023	7	Analysis Start Date	15.09.2023
4	Sample Quantity	5.0 liters	8	Analysis End Date	19.09.2023

#### **TEST RESULT**

Sr.	Test Parameter	Unit	Protocol/Test Method	Result	Range of testing	Indian Standard 10500: 2012	
No	7 oot 7 aramotor	J.I.i.c	· ·		/limit of detection	Desirable	Permissible
			Physico-chemical Para	meters	7//		
1	Colour	Hazen	IS: 3025 (Part-4): 1983 Reaffirmed: 2017	<5.0	5 - 30	5	15
2	Odour	-	IS: 3025 (Part-5): 1983 Reaffirmed: 2017	Agreeable	Qualitative	Agreeable	Agreeable
3	рН	-	APHA 23 <sup>rd</sup> Ed. 2017-4500 H <sup>+</sup>	7.4	1 - 14	6.5-8.5	No Relaxation
4	Turbidity	NTU	APHA 23 <sup>rd</sup> Ed. 2017-2130 B	BDL	2 - 40	1	5
5	Total Dissolved Solids (TDS)	mg/l	IS: 3025 (Part-16): 1984 Reaffirmed: 2017	392.0	10 - 5000	500	2000
6	Ammonia (as total ammonia-N)	mg/l	ÅPHA 23 <sup>rd</sup> Ed. 2017-4500-NH₃ F	BDL	0.5 - 2	0.5	No Relaxation
7	Anionic Detergents (as MBAS)	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-5540 C	BDL	0.05 - 0.5	0.2	1.0
8	Calcium as Ca	mg/l	IS: 3025 (Part-40): 1991 Reaffirmed: 2019	56.3	2.0 - 600	75	200
9	Magnesium as Mg	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3500 Mg, B	30.13	0.1 - 200	30	100
10	Chloride as Cl	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-4500-Cl <sup>-</sup> B	26.0	2.0 - 2000	250	1000
11	Fluoride as F	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-4500 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 NO₃	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 23 <sup>rd</sup> Ed. 2017-5530 C	BDL	0.001 - 0.005	0.001	0.002
15	Sulphate as SO₄	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-4500- SO <sub>4</sub> <sup>2-</sup>	28.0	1.0 - 500	200	400
16	Alkalinity as CaCO <sub>3</sub>	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-2320 B	292.0	2.0 - 1000	200	600
17	Total Hardness as CaCO₃	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-2340 C	264.0	5.0 - 800	200	600
18	Aluminium as Al	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	BDL	0.015 - 5.0	0.03	0.2
19	Boron as B	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	BDL	0.05 - 2.0	0.5	1.0
20	Copper as Cu	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	BDL	0.03 - 10	0.05	1.5

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Test Report Ref No.: ETRC/EPA/9300/2023

	ot itopoit itor ito t						
21	Iron as Fe	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	0.14	0.05 - 20	0.3	No Relaxation
22	Manganese as Mn	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	0.04	0.02 - 5.0	0.1	0.3
23	Zinc as Zn	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	0.58	0.05 - 15	5	15
24	Cadmium as Cd	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	BDL	0.05 - 2.0	0.003	No Relaxation
25	Lead as Pb	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	BDL	0.01 - 10	0.01	No Relaxation
26	Mercury as Hg	μg/l	APHA 23 <sup>rd</sup> Ed. 2017-3112 B	BDL	0.5 - 1000	1.0	No Relaxation
27	Nickel as Ni	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	BIII I		0.02	No Relaxation
28	Arsenic as As	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	. HIII		0.01	0.05
29	Total Chromium	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	BDL	0.03 - 5.0	0.05	No Relaxation
			Microbiological Param	eters			
30	MPN/ IS:		IS: 1622 - 1981 Reaffirmed: 2019	- 1981 Absent			detected in any nl sample
31	T. coli	100 ml			ot be detected in any 100 ml sample		

#### BDL=Below Detection Limit

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

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Authorized Signatory (Ritu Garg)



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#### ETRC/PM09/TEST-REP/FT/46

# TEST REPORT SOIL ANALYSIS

Test Report Ref No.: ETRC/EPA/9301/2023	Date of Report: 20/09/2023
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	Sampling Location	Near Project Site	5	Packing Condition	Sealed
2	Sample Description	Soil Sample	6	Sample Collected By	ETRC
3	Sample received date	15.09.2023	7	Analysis Start Date	15.09.2023
4	Sample Quantity	500 gm	8	Analysis End Date	18.09.2023

#### **TEST REPORT**

Sr. No.	Test Parameter	Unit	Protocol/ Test Method	Result	Range of testing /limit of detection
1	рН	-	IS: 2720 (Part-26): 1987 Reaffirmed: 2021	7.2	1 - 14
2	Electrical Conductivity	µmhos/cm	IS: 14767:2000 Reaffirmed 2021	298.0	1.0 - 40000
3	Moisture content	%	IS: 2720 (Part -2): 1973 Reaffirmed: 2020	3.10	1.0 - 50
4	Sulphur	Kg/Hec	IS: 14685: 1999 Reaffirmed: 2019	12.58	5.0 - 100
5	Boron	mg/kg	Method Manual of Soil Testing in India	BDL	4.0 - 100
6	Copper	mg/kg	Method Manual of Soil  Testing in India	0.39	0.3 - 500
7	Zinc	mg/kg	Method Manual of So <mark>il</mark> Testing in India	5.36	1.0 - 500
8	Iron	mg/kg	Method Manual of Soil Testing in India	96.4	5.0 - 500
9	Manganese	mg/kg	Method Manual of Soil Testing in India	8.4	5.0 - 500

**BDL= Below Detection Limit** 

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

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Authorized Signatory (Ritu Garg) QM







#### **Forbes Marshall**

#### INDIAN POTASH LIMITED DISTILLERY UNIT

Rohana Kalan, Vilage: Bahedi, P.O.: Rohana Mill, Block-

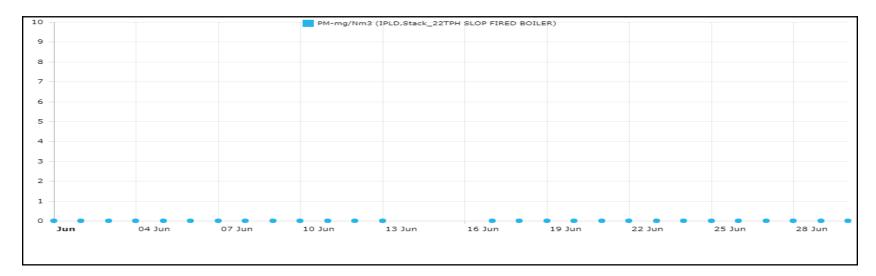
Charthawal, & District: Muzaffarnagar (U.P.), Pin-251202, MUZAFFARNAGAR,251202, Charthawal, & District: Muzaffarnagar (U.P.), Pin-251202, MUZAFFARNAGAR,251202,

#### **Station Report**

Station: Stack\_22TPH SLOP FIRED BOILER

From: 01-05-2023 00:00:00 To: 31-05-2023 23:59:59

Interval: Daily Function: Average



< - Average with less data, C - Calibration mode, M - Maintenance mode, S - Data under scrutiny,

Flag legends: 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			
10-05-2023 00:00:00	2.64 <			
11-05-2023 00:00:00	2.34 <			
12-05-2023 00:00:00	2.76 <			
13-05-2023 00:00:00	2.24 <			
14-05-2023 00:00:00	1.09 < R			

 Page 1
 of 3
 http://115.114.10.246:8080/enviroconnect
 Generated By: IPLD
 07-12-2023 16:56:58

Calender	PM Avg			
Units	mg/Nm3			
Range	0 - 150			
15-05-2023 00:00:00	0.00 < R			
16-05-2023 00:00:00	0.00 < R			
19-05-2023 00:00:00	0.00 < R			
20-05-2023 00:00:00	0.00 < R			
21-05-2023 00:00:00	0.00 < R			
22-05-2023 00:00:00	0.00 < R			
23-05-2023 00:00:00	0.00 < R			
24-05-2023 00:00:00	0.00 < R			
25-05-2023 00:00:00	0.00 < R			
26-05-2023 00:00:00	0.00 < R			
27-05-2023 00:00:00	0.00 < R			
28-05-2023 00:00:00	0.00 < R			
29-05-2023 00:00:00	0.00 < R			
30-05-2023 00:00:00	0.00 < R			
31-05-2023 00:00:00	0.00 < R			

Page 2 of 3 http://115.114.10.246:8080/enviroconnect Generated By: IPLD 07-12-2023 16:56:58

#### **Report Summary**

Average	0.55			
Maximum	2.76			
Minimum	0.00			
Std.Deviation	1.03			
Geom.Mean	2.11			
Median	0.00			
Mode	0.00			
Total Active Duration				







#### **Forbes Marshall**

#### INDIAN POTASH LIMITED DISTILLERY UNIT

Rohana Kalan, Vilage: Bahedi, P.O.: Rohana Mill, Block-

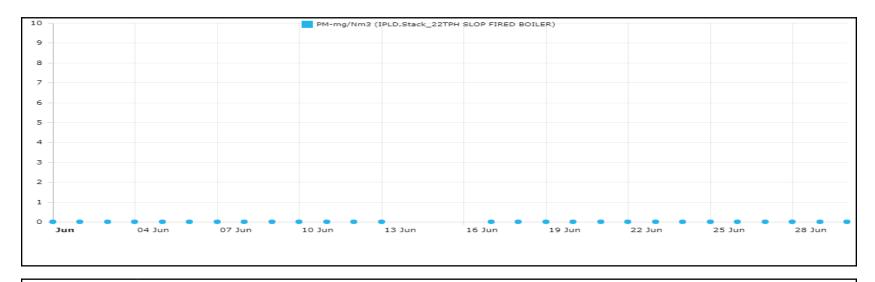
Charthawal, & District: Muzaffarnagar (U.P.), Pin-251202, MUZAFFARNAGAR,251202, Charthawal, & District: Muzaffarnagar (U.P.), Pin-251202, MUZAFFARNAGAR,251202,

#### **Station Report**

Station: Stack\_22TPH SLOP FIRED BOILER

From: 01-06-2023 00:00:00 To: 30-06-2023 23:59:59

Interval: Daily Function: Average



< - Average with less data, C - Calibration mode, M - Maintenance mode, S - Data under scrutiny,

Flag legends: 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			
01-06-2023 00:00:00	0.00 < R			
02-06-2023 00:00:00	0.00 < R			
03-06-2023 00:00:00	0.00 < R			
04-06-2023 00:00:00	0.00 < R			
05-06-2023 00:00:00	0.00 < R			

Page 1 of 3 http://115.114.10.246:8080/enviroconnect Generated By: IPLD 07-12-2023 16:56:12

Calender	PM Avg			
Units	mg/Nm3			
Range	0 - 150			
06-06-2023 00:00:00	0.00 < R			
07-06-2023 00:00:00	0.00 < R			
08-06-2023 00:00:00	0.00 < R			
09-06-2023 00:00:00	0.00 < R			
10-06-2023 00:00:00	0.00 < R			
11-06-2023 00:00:00	0.00 < R			
12-06-2023 00:00:00	0.00 < R			
13-06-2023 00:00:00	0.00 < R			
17-06-2023 00:00:00	0.00 < R			
18-06-2023 00:00:00	0.00 < R			
19-06-2023 00:00:00	0.00 < R			
20-06-2023 00:00:00	0.00 < R			
21-06-2023 00:00:00	0.00 < R			
22-06-2023 00:00:00	0.00 < R			
23-06-2023 00:00:00	0.00 < R			
24-06-2023 00:00:00	0.00 < R			
25-06-2023 00:00:00	0.00 < R			
26-06-2023 00:00:00	0.00 < R			
27-06-2023 00:00:00	0.00 < R			
28-06-2023 00:00:00	0.00 < R			
29-06-2023 00:00:00	0.00 < R			
30-06-2023 00:00:00	0.00 < R			

Page 2 of 3 http://115.114.10.246:8080/enviroconnect Generated By: IPLD 07-12-2023 16:56:12

#### **Report Summary**

Average	0.00			
Maximum	0.00			
Minimum	0.00			
Std.Deviation	0.00			
Geom.Mean	NaN			
Median	0.00			
Mode	0.00			
Total Active Duration				







#### **Forbes Marshall**

#### INDIAN POTASH LIMITED DISTILLERY UNIT

Rohana Kalan, Vilage: Bahedi, P.O.: Rohana Mill, Block-

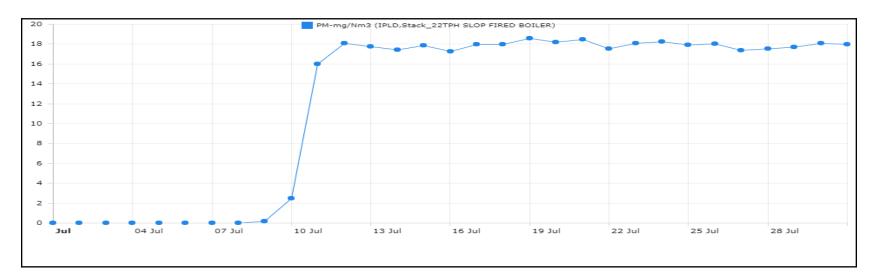
Charthawal, & District: Muzaffarnagar (U.P.), Pin-251202, MUZAFFARNAGAR,251202, Charthawal, & District: Muzaffarnagar (U.P.), Pin-251202, MUZAFFARNAGAR,251202,

#### **Station Report**

Station: Stack\_22TPH SLOP FIRED BOILER

From: 01-07-2023 00:00:00 To: 31-07-2023 23:59:59

Interval: Daily Function: Average



< - Average with less data, C - Calibration mode, M - Maintenance mode, S - Data under scrutiny,

Flag legends: 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			
01-07-2023 00:00:00	0.00 < R			
02-07-2023 00:00:00	0.00 < R			
03-07-2023 00:00:00	0.00 < R			
04-07-2023 00:00:00	0.00 < R			
05-07-2023 00:00:00	0.00 < R			

 Page 1
 of 3
 http://115.114.10.246:8080/enviroconnect
 Generated By : IPLD
 07-12-2023 16:55:43

Calender	PM Avg			
Units	mg/Nm3			
Range	0 - 150			
06-07-2023 00:00:00	0.00 < R			
07-07-2023 00:00:00	0.00 < R			
08-07-2023 00:00:00	0.01 < R			
09-07-2023 00:00:00	0.17 < R			
10-07-2023 00:00:00	2.46 < R			
11-07-2023 00:00:00	16.00 <			
12-07-2023 00:00:00	18.10 <			
13-07-2023 00:00:00	17.73 <			
14-07-2023 00:00:00	17.40 <			
15-07-2023 00:00:00	17.84 <			
16-07-2023 00:00:00	17.26 <			
17-07-2023 00:00:00	17.96 <			
18-07-2023 00:00:00	17.96 <			
19-07-2023 00:00:00	18.56 <			
20-07-2023 00:00:00	18.19 <			
21-07-2023 00:00:00	18.47 <			
22-07-2023 00:00:00	17.53 <			
23-07-2023 00:00:00	18.05 <			
24-07-2023 00:00:00	18.23 <			
25-07-2023 00:00:00	17.89 <			
26-07-2023 00:00:00	18.02 <			
27-07-2023 00:00:00	17.36 <	 	 	

Page 2 of 3 http://115.114.10.246:8080/enviroconnect Generated By: IPLD 07-12-2023 16:55:43

Calender	PM Avg			
Units	mg/Nm3			
Range	0 - 150			
28-07-2023 00:00:00	17.54 <			
29-07-2023 00:00:00	17.69 <			
30-07-2023 00:00:00	18.10 <			
31-07-2023 00:00:00	17.97 <			
Report Summary	•			
Average	12.14			
Maximum	18.56			
Minimum	0.00			
Std.Deviation	8.36			
Geom.Mean	9.77			
Median	17.54			
Mode	0.00			
Total Active Duration				

Page 3 of 3 http://115.114.10.246:8080/enviroconnect Generated By: IPLD 07-12-2023 16:55:43







#### **Forbes Marshall**

#### INDIAN POTASH LIMITED DISTILLERY UNIT

Rohana Kalan, Vilage: Bahedi, P.O.: Rohana Mill, Block-

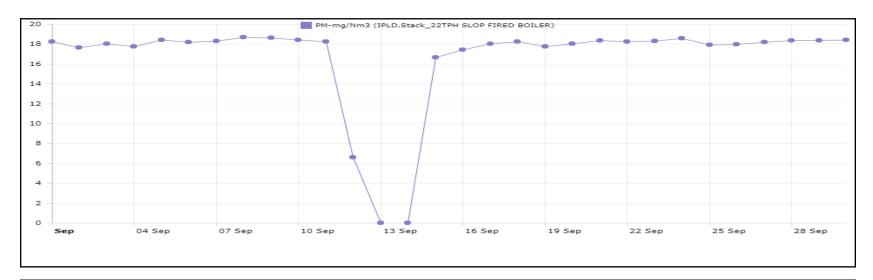
Charthawal, & District: Muzaffarnagar (U.P.), Pin-251202, MUZAFFARNAGAR,251202, Charthawal, & District: Muzaffarnagar (U.P.), Pin-251202, MUZAFFARNAGAR,251202,

#### **Station Report**

Station: Stack\_22TPH SLOP FIRED BOILER

From: 01-08-2023 00:00:00 To: 31-08-2023 23:59:59

Interval: Daily Function: Average



< - Average with less data, C - Calibration mode, M - Maintenance mode, S - Data under scrutiny,

Flag legends:

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			
01-08-2023 00:00:00	17.71 <			
02-08-2023 00:00:00	17.33 <			
03-08-2023 00:00:00	17.84 <			
04-08-2023 00:00:00	18.00 <			
05-08-2023 00:00:00	17.99 <			

Page 1 of 3 http://115.114.10.246:8080/enviroconnect Generated By: IPLD 07-12-2023 16:54:39

Calender	PM Avg			
Units	mg/Nm3			
Range	0 - 150			
06-08-2023 00:00:00	17.77 <			
07-08-2023 00:00:00	18.03 <			
08-08-2023 00:00:00	17.75 <			
09-08-2023 00:00:00	18.41 <			
10-08-2023 00:00:00	18.03 <			
11-08-2023 00:00:00	17.89 <			
12-08-2023 00:00:00	17.49 <			
14-08-2023 00:00:00	17.84 <			
15-08-2023 00:00:00	17.87 <			
16-08-2023 00:00:00	17.63 <			
17-08-2023 00:00:00	18.25 <			
18-08-2023 00:00:00	18.11 <			
19-08-2023 00:00:00	18.47 <			
20-08-2023 00:00:00	18.42 <			
21-08-2023 00:00:00	18.45 <			
22-08-2023 00:00:00	18.07 <			
23-08-2023 00:00:00	18.09 <			
24-08-2023 00:00:00	18.14 <			
25-08-2023 00:00:00	18.14 <			
26-08-2023 00:00:00	18.33 <			
27-08-2023 00:00:00	18.49 <			
28-08-2023 00:00:00	17.97 <			

Page 2 of 3 http://115.114.10.246:8080/enviroconnect Generated By: IPLD 07-12-2023 16:54:39

Calender	PM Avg			
Units	mg/Nm3			
Range	0 - 150			
29-08-2023 00:00:00	18.22 <			
30-08-2023 00:00:00	18.53 <			
31-08-2023 00:00:00	18.24 <			
Report Summary				
Average	18.05			
Maximum	18.53			
Minimum	17.33			
Std.Deviation	0.30			
Geom.Mean	18.05			
Median	18.05			
Mode	17.71			
Total Active Duration				

Page 3 of 3 http://115.114.10.246:8080/enviroconnect Generated By: IPLD 07-12-2023 16:54:39







#### **Forbes Marshall**

#### INDIAN POTASH LIMITED DISTILLERY UNIT

Rohana Kalan, Vilage: Bahedi, P.O.: Rohana Mill, Block-

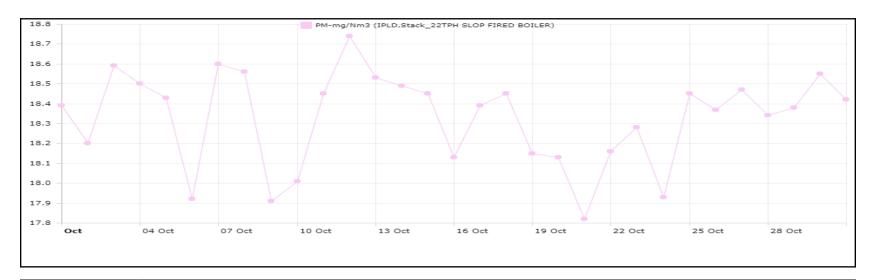
Charthawal, & District: Muzaffarnagar (U.P.), Pin-251202, MUZAFFARNAGAR,251202, Charthawal, & District: Muzaffarnagar (U.P.), Pin-251202, MUZAFFARNAGAR,251202,

#### **Station Report**

Station: Stack\_22TPH SLOP FIRED BOILER

From: 01-09-2023 00:00:00 To: 30-09-2023 23:59:59

Interval: Daily Function: Average



< - Average with less data, C - Calibration mode, M - Maintenance mode, S - Data under scrutiny,

Flag legends: 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			
01-09-2023 00:00:00	18.25 <			
02-09-2023 00:00:00	17.66 <			
03-09-2023 00:00:00	18.02 <			
04-09-2023 00:00:00	17.75 <			
05-09-2023 00:00:00	18.41 <			

Calender	PM Avg			
Units	mg/Nm3			
Range	0 - 150			
06-09-2023 00:00:00	18.21 <			
07-09-2023 00:00:00	18.27 <			
08-09-2023 00:00:00	18.69 <			
09-09-2023 00:00:00	18.61 <			
10-09-2023 00:00:00	18.43 <			
11-09-2023 00:00:00	18.25 <			
12-09-2023 00:00:00	6.59 < R			
13-09-2023 00:00:00	0.00 < R			
14-09-2023 00:00:00	0.00 < R			
15-09-2023 00:00:00	16.67 < R			
16-09-2023 00:00:00	17.43 <			
17-09-2023 00:00:00	18.00 <			
18-09-2023 00:00:00	18.24 <			
19-09-2023 00:00:00	17.75 <			
20-09-2023 00:00:00	18.04 <			
21-09-2023 00:00:00	18.33 <			
22-09-2023 00:00:00	18.26 <			
23-09-2023 00:00:00	18.28 <			
24-09-2023 00:00:00	18.58 <			
25-09-2023 00:00:00	17.89 <			
26-09-2023 00:00:00	17.99 <			
27-09-2023 00:00:00	18.20 <			

Page 2 of 3 http://115.114.10.246:8080/enviroconnect Generated By: IPLD 07-12-2023 16:52:37

Calender	PM Avg			
Units	mg/Nm3			
Range	0 - 150			
28-09-2023 00:00:00	18.36 <			
29-09-2023 00:00:00	18.33 <			
30-09-2023 00:00:00	18.40 <			
Report Summary				
Average	16.53			
Maximum	18.69			
Minimum	0.00			
Std.Deviation	4.98			
Geom.Mean	17.47			
Median	18.22			
Mode	0.00			
Total Active Duration				

Page 3 of 3 http://115.114.10.246:8080/enviroconnect Generated By: IPLD 07-12-2023 16:52:37







#### **Forbes Marshall**

#### INDIAN POTASH LIMITED DISTILLERY UNIT

Rohana Kalan, Vilage: Bahedi, P.O.: Rohana Mill, Block-

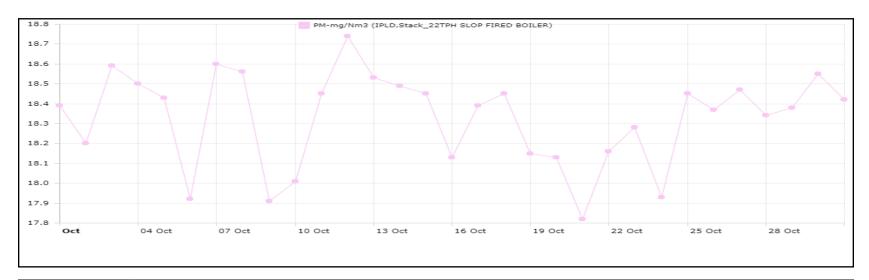
Charthawal, & District: Muzaffarnagar (U.P.), Pin-251202, MUZAFFARNAGAR,251202, Charthawal, & District: Muzaffarnagar (U.P.), Pin-251202, MUZAFFARNAGAR,251202,

#### **Station Report**

Station: Stack\_22TPH SLOP FIRED BOILER

From: 01-10-2023 00:00:00 To: 31-10-2023 23:59:59

Interval: Daily Function: Average



< - Average with less data, C - Calibration mode, M - Maintenance mode, S - Data under scrutiny,

Flag legends: 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			
01-10-2023 00:00:00	18.39 <			
02-10-2023 00:00:00	18.20 <			
03-10-2023 00:00:00	18.59 <			
04-10-2023 00:00:00	18.50 <			
05-10-2023 00:00:00	18.43 <			

 Page 1
 of 3
 http://115.114.10.246:8080/enviroconnect
 Generated By: IPLD
 07-12-2023 16:52:04

Calender	PM Avg			
Units	mg/Nm3			
Range	0 - 150			
06-10-2023 00:00:00	17.92 <			
07-10-2023 00:00:00	18.60 <			
08-10-2023 00:00:00	18.56 <			
09-10-2023 00:00:00	17.91 <			
10-10-2023 00:00:00	18.01 <			
11-10-2023 00:00:00	18.45 <			
12-10-2023 00:00:00	18.74 <			
13-10-2023 00:00:00	18.53 <			
14-10-2023 00:00:00	18.49 <			
15-10-2023 00:00:00	18.45 <			
16-10-2023 00:00:00	18.13 <			
17-10-2023 00:00:00	18.39 <			
18-10-2023 00:00:00	18.45 <			
19-10-2023 00:00:00	18.15 <			
20-10-2023 00:00:00	18.13 <			
21-10-2023 00:00:00	17.82 <			
22-10-2023 00:00:00	18.16 <			
23-10-2023 00:00:00	18.28 <			
24-10-2023 00:00:00	17.93 <			
25-10-2023 00:00:00	18.45 <			
26-10-2023 00:00:00	18.37 <			
27-10-2023 00:00:00	18.47 <			

Page 2 of 3 http://115.114.10.246:8080/enviroconnect Generated By: IPLD 07-12-2023 16:52:04

Calender	PM Avg			
Units	mg/Nm3			
Range	0 - 150			
28-10-2023 00:00:00	18.34 <			
29-10-2023 00:00:00	18.38 <			
30-10-2023 00:00:00	18.55 <			
31-10-2023 00:00:00	18.42 <			
Report Summary				
Average	18.33			
Maximum	18.74			
Minimum	17.82			
Std.Deviation	0.23			
Geom.Mean	18.33			
Median	18.39			
Mode	Mode 18.50			
Total Active Duration				

Page 3 of 3 http://115.114.10.246:8080/enviroconnect Generated By: IPLD 07-12-2023 16:52:04







#### **Forbes Marshall**

#### INDIAN POTASH LIMITED DISTILLERY UNIT

Rohana Kalan, Vilage: Bahedi, P.O.: Rohana Mill, Block-

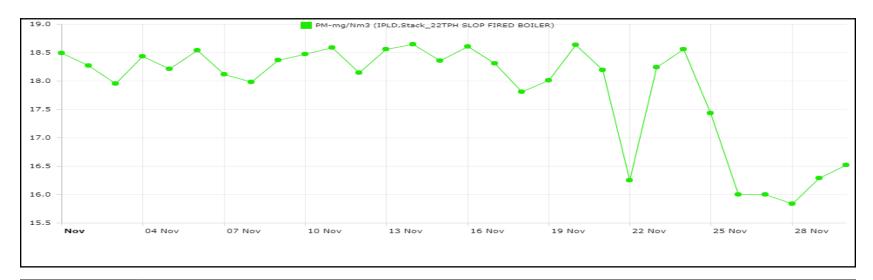
Charthawal, & District: Muzaffarnagar (U.P.) , Pin-251202, MUZAFFARNAGAR,251202, Charthawal, & District: Muzaffarnagar (U.P.) , Pin-251202, MUZAFFARNAGAR,251202,

#### **Station Report**

Station: Stack\_22TPH SLOP FIRED BOILER

From: 01-11-2023 00:00:00 To: 30-11-2023 23:59:59

Interval: Daily Function: Average



< - Average with less data, C - Calibration mode, M - Maintenance mode, S - Data under scrutiny,

Flag legends: 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			
01-11-2023 00:00:00	18.49 <			
02-11-2023 00:00:00	18.27 <			
03-11-2023 00:00:00	17.95 <			
04-11-2023 00:00:00	18.43 <			
05-11-2023 00:00:00	18.21 <			

Page 1 of 3 http://115.114.10.246:8080/enviroconnect Generated By: IPLD 07-12-2023 16:50:31

Calender	PM Avg			
Units	mg/Nm3			
Range	0 - 150			
06-11-2023 00:00:00	18.54 <			
07-11-2023 00:00:00	18.12 <			
08-11-2023 00:00:00	17.98 <			
09-11-2023 00:00:00	18.37 <			
10-11-2023 00:00:00	18.47 <			
11-11-2023 00:00:00	18.59 <			
12-11-2023 00:00:00	18.14 <			
13-11-2023 00:00:00	18.56 <			
14-11-2023 00:00:00	18.64 <			
15-11-2023 00:00:00	18.36 <			
16-11-2023 00:00:00	18.61 <			
17-11-2023 00:00:00	18.31 <			
18-11-2023 00:00:00	17.81 <			
19-11-2023 00:00:00	18.01 <			
20-11-2023 00:00:00	18.63 <			
21-11-2023 00:00:00	18.19 <			
22-11-2023 00:00:00	16.25 <			
23-11-2023 00:00:00	18.24 <			
24-11-2023 00:00:00	18.56 <			
25-11-2023 00:00:00	17.43 <			
26-11-2023 00:00:00	16.00 <			
27-11-2023 00:00:00	16.00 <			

Page 2 of 3 http://115.114.10.246:8080/enviroconnect Generated By: IPLD 07-12-2023 16:50:31

Calender	PM Avg			
Units	mg/Nm3			
	Ü			
Range	0 - 150			
28-11-2023 00:00:00	15.84 <			
29-11-2023 00:00:00	16.29 <			
30-11-2023 00:00:00	16.52 <			
Report Summary				
Average	17.86			
Maximum	18.64			
Minimum	15.84			
Std.Deviation	0.92			
Geom.Mean	17.84			
Median	18.23			
Mode	ode 18.21			
Total Active Duration				

Page 3 of 3 http://115.114.10.246:8080/enviroconnect Generated By: IPLD 07-12-2023 16:50:31

18/10/2023, 15:59 about:blank



#### 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}

Registration No.: 2022110	000294										
Name of the Owner	RAKESH KUMAR										
Designation ਧਫ	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.	MZFN1122NIN014								
Date of Submission	ate of Submission 10/11/2022 Specimen Signature										
Location Particulars											
District	Muzaffar Nagar	Block	CHARRTHAVAL								
Plot No./Khasra No.	ROHANA KALAN,VILL. BAHEDI,MUZAFFARNAGAR	Municipality/Corporation	n No								
Ward No./Holding No.			N/A								
Particular of the Propose	d Well and Pumping Device										
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)									
Strainer Position (For Tube W	ell)										
Type of Pump Used	Submersible	H.P. of the Pump	15.00								
Operational Device	Electric Motor	Rate of Withdrawal (m³/hr.)	50.00								
Date of Energization (In Case	of Electric Pump)	28/11/2022									
Maximum Allowable Rate of Withdrawal (m³/hr.):	50.00	Maximum Allowable Running Hours Per Day:	6.00								
Maximum Allowable Annual Extraction of Ground Water:	105000	Recharge Required	52500.00								

about:blank 1/3

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- 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 m3/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	Monitiring Mechanism				
3.110	Quantum of Ground water withdrawar (Cum/day)	No.or piezometers required	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 taped 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 It 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:

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• 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

- 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 m³ /day. The water from STP shall be utilized for toilet flushing, car washing, gardening etc

Date: 27/11/2022

Place: Muzaffar Nagar

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#### 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}

Registration No.: 2022110	000293			
Name of the Owner	RAKESH KUMAR			
Designation ਧਫ	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.	MZFN1122NIN014	
Date of Submission	10/11/2022	Specimen Signature		
Location Particulars				
District	Muzaffar Nagar	Block	CHARRTHAVAL	
Plot No./Khasra No.	ROHANA KALAN,VILL. BAHEDI,MUZAFFARNAGAR	Municipality/Corporation	No	
Ward No./Holding No.			N/A	
Particular of the Propose	d Well and Pumping Device			
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)		
Strainer Position (For Tube W	ell)			
Type of Pump Used	Submersible	H.P. of the Pump	15.00	
Operational Device	Electric Motor	Rate of Withdrawal (m³/hr.)	50.00	
Date of Energization (In Case	of Electric Pump)	27/11/2022		
Maximum Allowable Rate of Withdrawal (m³/hr.):	50.00	Maximum Allowable Running Hours Per Day:	6.00	
Maximum Allowable Annual Extraction of Ground Water:	105000	Recharge Required	52500.00	

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- 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
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#### **GENERAL CONDITIONS:**

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- ii) Installation of Sewage Treatment Plants (STP) shall be mandatory for new projects, where ground water requirement is more than 20 m³/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

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#### **Photographs of Chemical Handling Training**





# INDIAN POTASH LIMITED, DISTILLERY UNIT ROHANA KALAN MUZAFFARNAGAR

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	Mr. Rajendra Pal	Mr. Dinesh Kumar		Mr. Mohit Kumar	Mr. Manoj Kumar	Mr. Shahzad Ahamad	Mr. Shubham Agarwal	Mr. Vivek Kumar Sharma	Mr. Vishvajeet Tyagi	Mr. Anuj Kumar	Mr. Prateek Tyagi	MR. Rajeev Kumar	Mr. Raushan Kumar	Mr. Vivek Pal	Mr. Manoj Kumar	Mr. Waseem Ahmad	Mr. Sataveer Singh	Mr. Kapil Dixit	Mr. Mohit Kumar	Mr. Tarun Kumar Gaur	Mr. Rakesh Kumar	Mr. Dileep Kumar Kushwaha	Mr. Ramesh Kumar Sharma	Employees Name	
General Manager INDIAN FOTASH LTD. (Distillary Unit) Rohana Kalan, Muzaffarnagar (U.P.)	Ramesh Kumar	Sill Cilians Sings	Shri Dimank Singh	Shri Om Prakash	Shri Bharam Singh	Shri Meeru Hasan	Shri Pawan Kumar Agarwal	Shri Virendra Sharma	Shri Tazendra Tyagi	Shri Raghunath Singh	Shri Chandrahas Tyagi	Shri Ashok Kumar	Shri Sudhakar Jha	Shri Brahmpal Singh	Shri Jai Singh	Mohd Mohsin	Shri Kalwa Singh	Shri Sadhan Lal Dixit	Shri Chandravir Singh		Shri Shambhu Dayan	Shri Lakshman Kushwaha	Dr. Shyam Kumar Sharma	Father's Name	
Sr. Me IPL Roh Reg. N	Syamia Dr VS REMINAN	Competation Operator	Distillation Cum Evaporation Operator	Distillation Operator	Evaporation Operator	Distillation Operator	Warehouse/Office Asstt.	Electrical Incharge	Junior Officer(Store)	Officer (Ethanol Sales)	Shift Incharge	Lab Chemist	Distillation Operator	Instrument Mechanic	Instrumentation Maintenance I/c	Mechanical Maintenance I/c	Shift Incharge	Asstt. Officer(Distillery)	Sr. Officer(Safety & Environment)	Dy. Manager(A/cs)	Manager(HR & Legal)	Manager(Distillery)	General Manage:	Designation	DISTILLERY PERMANENT EMPLOYEES LIST
flicer flian 38	7	M-08-1970	07-02-1988	13-11-1989	01-03-1975	08-08-1986	01-08-1992	19-05-1992	02-12-1994	12-07-1992	29-09-1991	25-04-1978	04-05-1991	21-07-1987	01-10-1976	03-05-1992	08-08-1979	15-08-1982	01-07-1986	30-06-1975	02-05-1965	08-10-1986	30-06-1972	D.O.B	ES LIST
जिला अवि मुजय		10-03-2022	04-03-2022	04-03-2022	02-03-2022	01-03-2022	04-02-2022	10-02-2022	01-02-2022	17-01-2022	09-12-2021	07-12-2021	30-11-2021	26-11-2021	26-11-2021	22-11-202.1	26-11-202	01-09-202	01-06-202.	10-10-2014	25-06-201	22-08-20?	17-12-2021	D.O.J.	
जिला अधिकारी अधिकारी मुजापफरनगर,				187, Ghanti, Un, Shamli 247778	Ring Road Almaspur, Muzaifarnagar 251001		_ '		Vill & Post- Baheri, Muzaffarnagar 251202	<u> </u>	RAMRAJ PLACE, RAJNAGAR, HAPUR 245101	and the second	MITHLA NIWAS SUDAMA PATH, INDRA NAGAK ROAD NO. 1 ROAD, PATNA GPO, PATNA 800001	MEERUT 250221	VILL & POST-LISARH, SHAMU 24///6	SAHARANPUR 247554	294, VILLAGE & POST- NAGAL SOTI, JAEF ON, PISTON 246732	Gopinath Puram Shukla Ganj, Distt. Unnao	251318	55 Gagan Enclave, Rotha Road, Meering City	Meerut	Village Raghunathpur, rosk Normann	MODIPURAM, MAWANA, MEERUT 250110	Address POLONY ROORKEE ROAD	

महारमपुर द्रभार, सहारमुर उप कार्वकारी आयुक्त

					ingni	6
1	Mr. Ram Kishan Yadav	Shri. Shanker Yadav	Dreasher	25-06-1988	15-12-2010 Rohans Sugar Mill Colony, Muzaffarnagar	<b>उद</b> सादकारी आयुक्त
-	Mr. Manoj Kumar	Shri. Mangal	Electrician	1981-10-10	33 CTIVY JIUDUR - 2001A 7707-71-90	30 -
	Mr. Amit Kumar	Shri. Chandra Pal Singh	Electrician	8761-60-70	27-10-2022 Bacchan Singh Colony Gali No. 2, Muzaffarnagar	3
	Mr. Pardeep Kumar	Shri. Ramkishan Sharma	0.2.0	15-02-1983	Village Manhera Khurd, Post- Bahera, Saharanpur(U.P)	1910かのかりま
	Mr. Gajeridra Yadav	Shri. Ram Avtar	Store Boy	9861-90-60	09, Krishana Bihar Colony, Tundla, Firozabad, Tundla	नि आवकारी अभिव
	Mr. Himanshu Parasar	Shri. Ravindra Sharma	Decentar Opt.	0007-90-50	Bhuma Koad, New Basti Kaithora, Mirapur Jansath, Musaffatnagar	7
1	Mr. Sokindra Pal	Shri. Nahar Singh	Head Fitter	<b>₹</b> 267-90-50	25-11-2021 Village Mundbhar, Shamli	"
+	Mr. Amit Tomet	Shri. Sahdev Tomer	Accountant	£66T-Z0-TT	ZO-2022 - Roorkee- 247667	BEEUE JON
1	Mr. Rohit Kumar Sharma	Shri. Adesh Sharma	Trinee Lab Chemist	19-01-1999	10-02-2022 Shiv Vinar Colony Deoband Sabaras	chana Kalan
+	Mr. Anuj Kumar	Shri. Mahendra Singh	Ware House Optt.	8861-01-50	JEGEUIPIIPINIAI (Lucia	Medical Officer
+	Mr. Kapil Kumar Vaidwan	Shri. Mahesh Kumar	ABZ	10-08-1992	1:	
1	Mr. Abhishek Kumar	Shri. Brijesh Kumar	Fermentation Optt.	9661-90-97	09-03-2022 Village fivalakpur Post- Baghpat, Distt. Bagpar 2506.	
	Mr. Karamveer Singh	Shri. Bhonda Singh	Fitter	0861-10-01	11-03-2022 Village Kamal Nagar, Kukra, Muzaffarnagar 251001	Sal
1	Mr. Devansh Kaushik	Shri. Suresh Chand Sharma	Store Clerk	12-05-1989	06-01-2021 Vill & Post- Sisauli, Muzaffarnagar 251319	, 1
t	Mr. Rahul Yadav	Shri. Səlikrəm Yadav	AnstruocoA	T66T-S0-Z0	12-03-2021 N.No. 13 Winsor Place Near lee Meridian Hotal, Ne	
l	Mr. Arvind Kumar	Shri Rajpal Singh	Fitter	7861-50-50	O1-11-2022 Village & post Lankh, Distt. Shamli (U.P.)	-
t	Mr. Sachin Singh	Late Shri Satyavir Singh	اد. Engineer Instrumentation	18-03-1984	B 990 DAMIG Flats East of Loni Road Mandoll No	
-	Mr. Vipin Kumar Kashyap	Shri Krishanpal	Lab Chemist	70-08-1987		(tint) y tempara
	Mr. Harminder Singh	Shri Baljor Singh	WTP/PCTP Operator	086T-20-20	Vill. Mahablipur, Post Charthawal, Muzaffarnagar.	THSV. No No Beurge
	Mr. Pramod Kumar	твледпьМ ілd2	Fitter	086T-60-07	House No. 1181, Adersh Colony Tower Wali Gali, A 21-03-2002 Muzaffarnagar 251001	H Kumar Sh
_	Mr. Staendra Kumar	Shri Rajvír Singh	Dy. Manager(Warehouse)	6261-50-10	21-03-2022 Vill & Post- Lank, Shamli 247776	Johnsof -
	Mr. Amit Kumar	Shri Udyavir Singh	Spierl Jid2	9861-60-50	21-03-2022 Village & Post- Mukandpur, Muzaffarnagar 25130	
	Mr. Sandeep Kumar	Late Shri Raj Kumar	Instrument Technician	7861-70-42	21-03-2022 Village & Post- Adarsh Colony, Noorpur, Deoband	
L		Agni2 leqneteR ind2	Fermentation Operator	Z86T-S0-T0	17-03-2022 Village 7, Post- Jangethi, Meerut 250341	
L	Mr. Bikul Kumar	Shri Omvir Singh	Decanter Operator	£661-70-80	15-03-2022 Village & Post Meerpur, Meerut 250502	
Н	Mr. Vineet Kumar Mr. Mohit Gaur	Shri Kamendra Singh	Fermentation Operator	20-08-1990	S ilos, chambhaol Masten Nagar, 2503-50-21 25-03-2007	SI
L		Shri Pundev	Electrician	Z86T-90-T0	15-03-2022   109 (Fast of the Library   15-03-2022	
⊢	I/Nr. Dinesh Kumar Mr. Lokesh Kumar	Shri Jasveer Singh	IBR Welder Cum Fitter	8761-01-01	aug (ingent delied ellentin teach	
L		Shri Satpal	Instrument Technician	7661-40-01	14-03-2022 Village Rahmatpur, Post- Bropon March	!!
1	Mr. Mohit Kumar	inesnA bemidA seyiN ind2	Electrician	30-06	14-03-2022 9, Sisai, PO Belha, Balrampur 271201	<u> </u>
Г	Mr. Ahsaan Ahmad	Shri Nivaz Ahmad Ancari	20101242013			i

Petige : Hill Heller Floo-no-ng

### Manpower Strength of National Security Services in IPL Distillery Unit Rohana Kalan

	Dinne (see	/ & PO- Rohana Kalan, Diett Muzaffarnagar
0202.2020	Security Guard	V & PO-Badhai Ka'a - Distt Muzaffarnagar (UP)
	Security Guard	V & PO- Rohana Kalan, Distt Muzaffarnagar
	Security Guard	V & PO-Bashi Kalan , DisttMuzaffarnagar
		Police Line, Muzalfarnagar (UP)
	Security Guard	V & PO-Akhlor, Distt Muzaffarnagar (UP)
£202.10.7S		V & PO- Sainpur, Distt-Muzaffarnagar (UP)
26.03.2023		V & PO, Thamana Majra, Rankhandi, Saharanpur (UP)
SS0S.70.80	,	V & PO- Jadauda 1att, Distt Saharanpur (UP)
		V & PO- Rankhandi, Distt Saharanpur (UP)
		V & PO- Rankhan II, Distt Saharanpur (UP)
		Vill. &PO - Dehch and, DisttMuzaffarnagar (UP)
		V & PO- Rankhar 1i, Diett Saharanpur (UP)
6102.20.80		V & PO-Badhai K ila - Distt Muzaffarnagar (UP)
1202.11.10		V & PO-Rasullpur, DisttSaharanpur (UP)
2202.01.10		V & PO- Barwala, DisttMuzaffarnagar (UP)
24.01.2022		V & PO- Shoron, 1) isttMuzaffarnagar (UP)
2202.01.10		V & PO- Rankhandi, Distt Saharanpur (UP)
16.11.2022		V & PO- Nanhed: Khurd, Post. Bahera, Distt. Saharanpur (UP)
01.03.2020	Sr. Security Officer	VOID - Name - Marine - Marine - Marine - Marine M - OG & V
rog	Designation	esenbA
2502.01.10 2502.01.10 2502.01.0.42 2502.01.10 2502.01.10 2502.01.10 2502.01.10 2502.0.42 2502.0.42 2502.0.42 2502.0.62 2502.0.62 2502.0.62 2502.0.62 2502.0.62 2502.0.62 2502.0.62 2502.0.62	S	St. Security Officer Security Supervisor Security Supervisor Security Guard Security Guard

तक्षिक शिक्षण । । ज्ञान्त्रक्षणम्

Dr. V.S. BENIWAL Sr. Medical Officer IPL Rohana Kalan Reg. No. 30938 Rsmeeh Kümar Sharma General Manager INDIAN FOTASH LTD. (Distillary Unit) Robana Kalan, Muraffarnagar (U.R)



,		Distillery Unit Ga	igotti ivia ip	DOB	Address				
S		Father's Name	DESIGNATION	DOJ		45/51, Mehtan Near			
No.	. INAME			3-2-2022	23-2-1998	Sangeeta Talkies			
1	Gagan Agarwal	Devendra / Iga.	Peon	27-05-2022	4-12-2000	Tejalhera			
2	Ankush Kumar	Sudeshpal	Lab Boy	01-12-2021	01-01-1998	Bagumpur,Bagumpur			
3	Subham Kumar	Vijay Pal	Maii			BADHI WALA			
4	Sushil Kumar	Mahendra	Mali	10-8-2020	1-1-1988				
5	Rishiraj	Phool Singh	Mali	4-6-2022	1-1-1974	Barkali			
	Suresh	Lilla	Sweeper	8-5-2021	1-1-1979	KUTESHRA			
6		Ilam Chand	Sweeper	17-6-2020	01-Jan-1984	BAHERI			
7	Manoj Kumar		Sweeper	27-05-2022	1-5-1990	Bannagar			
8	Rustam Singh	Feru Singh	Mali	01-11-2022	01-Jul-2002	Tajpur			
9	Sumit Kumar	Ravindra Kr.		9-12-2021	4-6-1999	Asadpur Deoband			
10	Vipin Kumar	Mukesh Kumar	Peon		4-7-1996	Tajpur			
11	Shubham Kumar	Ravindra Kr.	Sweeper	15-9-2021					
12	Arjun Bhardwaj	Sanjeev Bhardwaj	ME Optt	7-1-2023	15-10-2000	Vill Taharpur			
13	Sandeep Kumar	Mahaveer	Driver	11-04-2022	02-02-1990	MUZAFFARNAGAR			
14	Gaurav Sharma	Ghyan Prakash Sh.	Clerk	20-12-2021	01-09-1977	Gaziabad			
15	Prasant	Pahal Singh	Dm Plant oppt.	12-03-2021	15-10-1997	HARIDWAR			
16	Ummed Singh	Krishan Kumar	Dm Plant oppt.	21-05-2021	05-01-1995	MUZAFFARNAGAR			
17	Chander Shekhar	Bharampal Singh	Fitter	11-03-2022	01-07-1978	MUZAFFARNAGAR			
18	Akshay Kumar	Bhopal	Fitter Helper	01-04-2022	30-08-1990	Muzaffarnagar			
19	Abhishek Sharma	Dharmendra Kumar	Fitter Helper	13-04-2022	21-12-1992	Muzaffarnagar			
20	Aayush Tyagi	Pravesh Tyagi	Fitter Hel	30-03-2022	21-01-1998	Muzaffarnagar			
21	Bitu	Bablu	Fitter	01-06-2017	05-08-1994	Muzaffarnagar			
22	Vipin Kumar	Mukesh Kumar	Fitter Helper	28-04-2022	01-01-1986	Muzaffarnagar			
23	Tusar Tyagi	Dushyant	Decenter Hel	02-05-2022	24-10-2002	Saharanpur			
24	Pradeep Kumar	Laxmi Chand	Disillation Plant Hel.	22-06-2022	01-12-1981	Muzaffarnagar			
25		Tejpal Singh	Helper	16-07-2022	02-06-2004	Bijnor			
26	-	Mange Ram	Helper	07-05-2022	<del></del>	Muzaffarnagar			
27	<del></del>	Janeshwar	Helper	16-06-2022	10-08-1987	Muzaffarnagar			
28		Rajpal Singh	SBA (Helper)	27-06-2022	19-06-1996	Saharanpur			
29	Deepak Kr. Panwa	Ravindra Kumar	SBA (Helper)	24-03-2022	12-05-1997	Muzaffarnagar			
-			Mee Plant						

**Arvind Kumar** 

Puran Sharma

30

Arpit Tyagi

Akshay Sharma

Ramesh Ruman Sharma General Manager ASH LTD. INDIAN F

06-07-2022

01-06-2022

(Distillary Unit) Rohana Kalan, Muzaffarnagar (U.P.)

Mee Plant.

**CPU Plant** 

Helper

Helper

Dr. V.S. BENIWAL Sr. Medical Officer

Muzaffarnagar

06-10-1976 Muzaffarnagar

10-11-2001

IPL Rohana Kalan Dan No 30938

जिला अन्विकारी अधिकारी र्मुजफ्फरनगर।

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	3	Sunil Kumar	Ashok Kumar Tyagi S.S Tyagi	Prashant		Ankit Kumar	nar		Arjun Singh		Manish Baliyan		Harsh Kumar		Aman Shukla		oupia	Gints Numar			Sacilli Sharma		
Najoli Snarma		ah		Brijveer Singh		Surendra	Narendar Kumar	iligino angil	Rayindra Singh	I.Bino	Upendra Singh	and a	Devendra	oriding.	Rajesh Shiikis	a capia	Susheel Kr Gunta		Arvind	1	Mahendra Singh		Manoi Kumar
HR Clerk	rao Doy	l ah Roy	PS	Clerk	Weighment	ME Ont Lo	Purchase Clerk	Hel.	Om Plant Cpu	CIER	Weighment	Clerk	vveighment	Clerk	VVeighment	Helper	rermentation	reiper	rermentation	Telper	Fermentation	CPU Opt	
10-10-2010	7707-11-11	2		26-09-2022	01-09-2022	1707-11-00	08_11_2021	08-08-2022		17-05-2022		28-04-2022		28-04-2022		24-03-2022		02-05-2022	2707 10	28-04-2022	7707-50-43	24-03 2022	
15-04-1985	05-08-1979			10-01-1990	28-07-1999		15 08 1080	06-04-1993		23-02-1998		01-01-2001		11-11-1998	T. 01 1000	14-01-1996	/66T-0T-02	20-10-1007	30-12-1998		04-06-1995	_	
	Saharanpur		(	Muzaffarnagar	Saharanpur	Muzaffarnagar		Muzaffarnagar		Muzaffarnagar	- Contraction of the Contraction	01-01-2001 Muzaffarnagar	9.07.07	Agra. Up	Flatapgaill		Muzattarnagar		Muzaffarnagar		Muzaffarnagar		
						_																	

CANGO"RI WANDON'ER & SECURITY AOTNOY

Authorised Signatory

amesh Kumar Sharma
Generol Manager
NDIAN FOLASH LTD

General Manager INDIAN FORASH LTD. (Distillary Unit) Robana Kalan,Muzaffarnagar (U.P.)

ical Officer
na Kalen
30938
Gen Sirat

आबकारी अधिकारी नुजयफरनगर। Divyansh





#### **DISTILLERY UNIT**

MUZAFFARNAGAR-SAHARANPUR ROAD P.O.-ROHANA MILL-251 202 DISTT. MUZAFFARNAGAR (U.P.)

PHONE : 0131-2485305 FAX : 0131-2485305 E-mail : iplrohanadistillery@gmail.com

Date: 20.10.2023

#### TO WHOM SO EVER IT MAY CONCERN

This is to certify that I have examined 52 (Fifty Two) 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 2023-2024 in enclosed.

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





#### **DISTILLERY UNIT**

MUZAFFARNAGAR-SAHARANPUR ROAD P.O.-ROHANA MILL-251 202 DISTT. MUZAFFARNAGAR (U.P.) PHONE: 0131-2485305

FAX: 0131-2485305 E-mail: iplrohanadistillery@gmail.com

Date: 20.10.2023

#### TO WHOM SO EVER IT MAY CONCERN

This is to certify that I have examined 64 (Sixty Four) contract labour 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 2023-2024 in 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 responsivity 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 curry 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

#### व्यण डायरी

महाबीर घाँक पर चला घेकिंग अभियान

यूट्यूब फिल्म चालबाजी के गाने की हुई शूटिंग ्रव अभ्योत् आधारामात्रा ए शामारित सुराध की रिकट्स ना सिहते को त्यांचा कर प्रभावित सुराध की रिकट्स स्वाची की साने को तुर्दित के वे से समान गांव के जीगान में दूरी यो के प्रोज्यूपर मनीय कृतिनी ने बताना कि काम समान की मुद्दाव का रिकट्स सहक्तियों का सिहत के साने के इसाने पर नाजी पर नाजी पर सिहत की सिहत सहक्तियों का सिहत सहिता कर सिहत साने किया गांव है। सान य करता की जाएका करोंगी। केल

कांवड मार्गे पर बाहक गड्डे में गिरी, चार लोग घायल क्रांबर मार्ग पर, बाइक, गुडु में गिरी, धार लाग धायल सुपास स्वाप्त में बाद प्रदेश के बेंच पांच परीह तिवसी एक्ष मोगांग की रिगो की, स्विधान के स्वाप्त में स्वाप्त के स

## खुलासे पर मुख्यमंत्री की मुहर, एसडीएम पर अमर उजाली

अमर उजाला ने 23 नवंबर 2016 को किया था इस मामले का खुलासा, बुग्रना के एसडीएम कुमार भूपेंद्र को पदायनित कर तहसीलदा

पेरत। हिलाया स्थित एक कारनेनी यें जमीन को सेकर हुए खेल और आगर उजाला इस किए गए खुलासे पर अब मुख्यपंत्री योगी आदिस्यनाथ ने कहा यि लिया है। सत्कालीन एसडी निर्णय लिया है। साकालीन एसडीएम जो कि इस समय मुजणकरनगर की धुड़ाना तहसील में एसडीएम कुमार भूपेंद्र की पदावमीत कर उन्हें तहसीलदार बनाने का आदेश दिया है।

ये था पूरा मामला एसएय-58 पर ग्राम दिलाया के प्रस्पप्र-58 पर ग्राम दिलाया के क्रांतिनी का निर्माण सुरू किया गया। इस ट्रीयन बिलड़ में इस्पन्न के एक्तालीन एसडीएम को आवेदन पड़ दिखा कि उसकी करोंनी के बीच में प्रस्कारी समुख्य की जमीन का स्वी है। ऐसे में इस जमीन को बिल्डर के नाम कर कर जान

वियमी का उल्लंधन कर मेरिंग

नियमां का उल्लंघन कर साटग इस आनेदन के बाद तत्कालीन एसडीएम ने जगीन 25 मार्च 2013 को बिल्डर के नाम दर्ज कर दी। नियमानुसार यह मारला सासन के वहां से दिशा-निर्देश फिलाने के बाद जमीन ट्रासंकर होनी थी। जब तत्कालीन डीएफ नवदीय रिण्या से त्रांकानीन कीएम नवदीन रिण्या से शिकायत हुई तो उन्होंने एसकीएम आईड प्रताप सिंह को हटाकर आर्थिद पिजा की तैनाती कर दी। अर्थिद सिजा ने 1 करती 2014 को पूर्च एसकीएम के आरोत निरस्त कर जागीन चांचसी के आरोत निरस्त कर जागीन चांचसी के आरोत निरस्त व्यापनाम को रिपोर्ट, न अर्थीन

नियंगानुसार अपर आयुक्त के आदेश आने पर एसडीएम सरधना को पूरी रिपोर्ट बंनाकर जिलाधिकारी को सौंपनी थी। डीएम के माध्यम से यह

अफसर मेहरबान, 30 करोड़ की जमीन बिल्डरों के नाम



23 नर्वंबर, 2016 के अंक में प्रकारित समाचार।

अपर आयुक्त के यहां आदेश खारिज हम जागते में किन्दरों ने कॉफ्टर के जाते आंगित जाता की दिवस पर अगर अगुकत ने आगीत स्थीतार करते हुए 27 आपत 2014 को एसडीएम अगर्थेंद मिता के आदेश रिस्ता करते हुए पूर्व एसडीएम का खादेश कहता कर दिया। अगरकत के स्थित के कि

करनी थी। जहां से फैसला होता। पंकज यादव का ट्रांसफर हुआ और क्योंकि पशुचर या सरकारी जगीन के नए डीएम के रूप में जगत राज गामले में तहसील या जिला स्तर से जिंगाठी आए, तभी जभीन 11 अगस्त

आयुक्त के आदेश के विलाभ उच्च तहसील सरधना के अधिकारी आदेश न्यायालय या राजस्व परिषद में अपील दबाकर बैठ गए। जब जिलाधिकारी फैसले का अधिकार नहीं है। लेकिन 2016 को बिल्डरों के नाम कर दी।

समाचार प्रकाशित होने पर हुई एए इस्त मामले का मुक्ताबर असर उकामा ने किया थी उत्त हीत्य ही. मंद्रकाम ने इस पर जांच कराई। जांच में व सही पर जाने पर क्षिप्रक सर्वित तकास्त्रीत और पूर्व पर्वाचित्र सहित सेव्यासन न ये, क्ष्यू के क्षिप्रकाम स्वाचे पर की क्ष्यू

एक केंद्रीय मंत्री से जुड़ा है मामल एक के द्वारा संत्री से जुड़ा है भागर किस विच्चार द्वार को करीत थी से ग्री कर एक केंद्र इस्तीक पुरुष्ठ केंद्रीन मंत्री का जान इस विच्चार द्वार में है। ऐसे में माना जा होता था कि मासला दक जाएगा। स्थापता किसामा के कर प्रकार किस हम के निवास के का दूर्व है व चंपामा अमीद की नागित को लेका चल को सकत कार्यवा हुई। माना जा लाह है कि एस पापमा में अर्ची कर्मवारियों पर भी माना गिरना तय है।

एक और मामला मुख्यमंत्री के द ्रा पानिया भुज्यभित्री के दि खरागड़ की वर्षीन विल्डर को देने का एक और कं समने आपा है। वह महत्त्व पर्वेड गाँग का है। हरू स्तर पर हो जुकी है। स्केन इसमें अभी उक कोई के प्रापला भी विज्ञते दिनों मुख्यमी दरकर में खुँ क कार्यावह होने की चर्चा है।

#### घरों से लाखों का सामान चोरी



कॉलोनी में चोरी के बाद बिखरा पड़ा सामान।स्वाद

मिल कर्मेचारी पर हमला ज्यान आर। पर हमला प्राप्तवाना अकबरगढ़ में जिलेणी गुगर भिन के सुपरवाजार पर मनोज सेना ने प्रकृषक पर हमला कर पायल कर दिया अरोग है कि सुपरवाजार पर खेत कर्म के चैंदन गुना का रकता नहीं देखन गुन्ना का रकबा नहीं बढ़ाने सप् किसान ने हमला किया, जिसमे मुस्साप् किसान ने हमला १००५, ए में मुंगीर चोटें आई। पीड़ित ने आरोपी डिलाफ धाने में तहरीर दी। पुलिस ने से अस्पवाल में भर्ती कराया है। स्बर

प्रेमी संग विवाह/ कर कोतवाली

**'पहुं**ची युवती

मुख्या। क्षेत्र के एक गांव निवासी 27 वर्षीय युकती अपने ही गांव के

दूसरी निरादरी के युवक से शादी करने के बाद पति संग कोतवाली पहुंच पाई । द्वोनों पति-पत्नी ने अपनी आयु च शादी के सभी दस्तावेज पुलसू को दिखाए। कोतवाली में

पुलस को दिखाए। प्रतासना स्थान देने के बाद दोनो वापस चले स्थान देने के बाद दोनो वापस चले

गए। युवर्ता ने माता ने कोतवार्ता में बटी की गुमशुदगी दर्ज करवाई थी।

तहसील क्षेत्र के एक गाव निवासी युवती कह नवंबर को बुढ़ाना आई श्री। बह अपने घर नहीं लौटी। युवती की माता ने कोतवाली में बेटी की

गुमंशुद्धी की रिपोर्ट दर्ज करवाई। जांच अधिकारी जुमवीर सिंह ने बताया कि युवती अपने प्रेमी के साथ

फर्यर हो गई थी। दोनों प्रेमी युगल एक ही गोव के रहने वाले हैं। युवती व पुवक दोनों अलग-अलग विशद्ध के

है। पुलिस ने बताया कि दोनों ने अंतर्जातीय विवाह कर लिया है।

स्वतुलाये विवाद कर लिया है। विवाह के बाद फरार हुई धुवती अपने पूर्वी प्रति,के साथ सोमकार को केतवाड़ी पहुंची दिनों ने अपनी अबु व विवाद के दरवावेज पुलिस को दिखाए। युवती ने पुलिस को बाताया कि वे दोनों वालिग हैं। उन्होंने

अपनी मर्जी से विवाह किया है। जांच भिकारी हो मताया कि बयान देने के

दोनों प्रेमी युगल पति-पत्नी चले गए। चनुद

बुढ़ाना। बेखीफ बटमाशों ने रिव्यूए देर रात मास्टर कॉलोनी में दो परों से लाखों का कीमती सामान चौरी कर लिया। कस्बे की मास्टर कॉलोनी निवासी जितेंद्र दर्फ टीटू रविवार

को अपनी पत्नी व बच्चों के साथ शादी समारोह में भाग लेने के लिए अपनी रिश्तेदारी में गया हुआ था। घर पर ताला लग न्दुआकाध देखाव सम्माण पना न नम् नायमने हकर शहर हार गए। बदमाशों नेबर के अंदर रखे अलमारी, बक्शा व संदूक का ताला तोड़ दिया। बदमाशों ने अलमारी के अंदर रखी एक का ताला तोड़ दिया। बटपाशी ने अलमारी के अंदर रखीं एक लाख रुपये की नगदी, कह तोला सोने की दो चेन, 500 प्राप्ट, चांदी के जेबरात चुरा लिए। सोपवार को सुवह जितेंद्र कुमार अपनी पत्नी व बच्ची के साथ पर पहुँचा तो हैरान रह गया। घर का ताला टूंटा पड़ा था। घर के अंदर लामान बिखरा हुआ था। घटना की सुचना मिलते ही पुलिस भी मौके पर पहुँची तथा घटना की सुचना मिलते ही पुलिस भी मौके पर पहुँची तथा घटना के सबचे में जानकारी प्राप्त की। घटना में नदसीर जितेंद्र कुमार ने पुलिस को दी है। दूसरी घटना में मदमारों ने इसी कॉलोनी के निवासी नरेश चंद शर्मो के मकात को अंधन निशाना बनावा। चोरों ने मकान के अंदर पुस्तकर ,सब्यासिबल पंप को मोटर घ तोने का केबल चुरा लिया। एक ही रात में चोरी की दो घटनाओं से मास्टर कालीनी व कसने में चोर की आतंक व्याप्त है। इस्पेक्टर मगन बीर सिंह गिल ने बताया कि पीड़ित की तहरीर पर मुकदमा दर्ज कर लिया गया है।

पुलिस ने युवक को दबोचा

पुराद्भ न पुराद्भ को प्रभावा प्रमावक्षी निवासी भूपेंद्र राण में सात अगस्त को मोहल्ला सेनीनगर निवासी आयुरोष वर्ष मिट्ट मोतला पर अपने आहित्स पूर्वकर किरीती मांगने के अग्रिप में पियोंट दर्ज कर्स्स थी, तभी से आरोपी आयुरोष प्रभाव चल रहा का हा इन्स्मेट एचप्य हिंक ने बताया कि आरोपी धाने का टीप-टेन बदमारा भी है, जिसे पीववार देर रात मुन्धेंद्र के टीरान गानहर सियत चीतल कर के प्रसास में गिरफार कर किला। आरोपी के काओं से तमना कात्रपुत्त के साथ हो पूर्व सर्विष्ण करा, भी बरासर की गई है। कार के कागजात न मितने पर उसे सीन कर दिया गया है। आरोपी से पूछताछ के बार उसे जैल भीज दिया गया है। क्रांसर

This is to inform the public that MoEF&CC (Ministry of Environment, Forest and Climate Change) has Issued the environment, Forest and Climate Change) has Issued the environmental clearance via file no. 335/Parya/SEAC/5784-5864/2019 on dated 14.10.2020 for distillery-capacity 65.3 KLD alongwith 2.0 MW Power Plant of Indian Potash Limited (Distillery-Uni) P.O. Rohana Mille, Block Charthawal, Tehsil and District Muzaffarnagar (UP) at Khasara no. 034, 634M, 633, 631, 627, 626, 624 parily and 6224 parily.

The environmental clearance clasued by MoEF&CC 's available in the official website of MoEF&CC www.selaup.in and environmental clearance copies are available with the State Pollution Control Board.

Mis Indian Potash Limited (Distillery unit)

M/s Indian Potash Limited (Distillery unit) P.O. Rohana Mills, Block Charthawal Tehsii and District Muzaffarnagar (UP)

#### आई.पी.एल. का क्षेत्र के विकास के लिए एक और गढ़ता कदर

कार्यालयं नगरं पंचायतं वुद्धनाः, मुजापफरनगर

न्यकान्य विनियमन व नियंत्रण उपविधि वर्ष 2020 संशोधन सूचना इस कार्यात्मय क पत्राक 19/नवर्षण उपविधि वर्ष 2020 संशोधन सूचना इस कार्यात्मय क पत्राक 19/नवर्षण्युठ/2018-19 विनाक 08 01 2019 के हारा नगर पालिका अधिनियम 1916 (2) की घारा 296(2) सूची-1 एसठएफठ के अधीन नगर पवायत, बुद्धाना, जनगद मुजक्फरनगर ने अपनी सीमा के अन्तर्गत विज्ञापन सम्बन्धी उपनियम बनाव जाने के पश्चात उनका प्रकाशन समाधारपत्र अमर उजाला व हिन्दुरतान गरट के अक दिनाक 10,01,2019 वहें उपनिवमों के सम्बन्ध में आगरित एवं हिन्दुस्तान मरत के अक दिनाक i/O.I 2019 को प्रतिकाम के सावन्य में आपतिए पूर्व मुझान प्रकाशन की तिथि में 30 विन के गीवर आपनित्रत किये जाने के ज्देश्य पर कराया गाम भा ानियत अर्थाय में प्राप्त आगतियों को निस्तारण किये जाने के प्रकास पुन. सामावरपत्र हिन्दुस्तान व पितृश ज्योति के अब्ह बिनाक I730/2019 में पुनरपालिका अधिनियम 1915 की मारा 12 के अर्थीन प्रकाशन कर तकर धारा 133 के अन्तर्गत 30 दियम के गीतर आगतित्यों एवं सुझाव आगनित्य करने हेतू प्रकाशित कराई गा थी। शिरात अर्थाय में कोई आगतित पर सुझाव नगर पैयावर कृपतिक्षम में भारत नहीं हुई थी। अगतित पर वाह स्वार्थ प्रकाश करना स्वरक्षण राजन में नहीं हो याया था। विकरिय वर्ष परिवर्षित हो जाने के क्षारण जनत प्रपिद्यि के सरकारी गजर में गाजन में प्रकाशन परार्थ जाने से पूर्व संशोधित किया गया है। अत. उच्च प्रपिद्यि के सरकारी विनियमन व नियंत्रण उपविधि वर्ष 2020" पदा जाये । ... तः (ओम गिरि)

(बाला त्यागी) (ओम गिरि), अधिशासी अधिकारी नगर पंचायत बुढानां नगर पंचायत बुढाना

• इंटीग्रल इंस्टीद्युद ऑफ मेडिकल

रामा मेडिकल कॉलेज एवं रिसर्च

• हिन्द इंस्टीट्यूट ऑफ मेडिकल साइसेज, 🕟 एफ एच मेडिकल कॉलेज एवं हॉस्पिटल, ् • मेडिकल कॉलेज, मुजप्प फिरोज़ाबाद में बी.एस.एल. 72 लैब

• द्वी एस तिश्रा मेडिकल कॉलेज, लखनऊ में बी.एस.एल.-2 लेब में बी.एस.एल. - 2 लेब • हेरिटेज इंस्टीट्यूट ऑफ मेडिकल साइसेज, वाराणासी में बी.एस.एट.

बी.एस.एल.-2 लेब एवं र फैसिलिटी

कोरोना भर अभूमि प्रयास की WHO द्वारा श्री साहिता के ताजकीय विकित्सालयों में कारोना का टिश्युटक उस (प्रतिदित लगभग 1.75 लाख कोविड देखिया 📤 75 लाख से अधिक कोविड बंड को उपलक्षता 💠 अब तक 1.79 कोड से अ

कोरोना हेल्पलाइन मं - 1800-180>5145

कोरोना एवं डेंगू से लड़ ईं में बढ़ते क़दम

कोविड-19 की जांच के लिए

राजकीय 🖫 िजी मेडिकल कॉलेजों में

नवस्थापित बी.एस.एल. लेब

कोविड-19 व डेंगू के उपचार के लिए एकेरेसिस व केमिल्यूमिनिसेन्स फेंसिलिटी

लोकार्पण/शुभारंभ

(वीडियो कॉन्फ्रेंसिंग के माध्यम से)

#### योगी आदित्यनाथ

मुख्यमंत्री, उत्तर प्रदेश द्वारा

दिनांक 23 नवम्बर, 2020 को किया गया।

सुरेश कुमार खन्ना

ननी, चिकित्सा शिक्षा, विल एवं , संसदीय कार्य, उत्तर प्रदेश

संदीप सिंह

## • गुजकीय पेडिकल कोलेज गोरखपुर में एफोसि

स्थान : 5, कालिदास मार्ग, लखनऊ

 राजकीय मेडिकल कोलेज, क्रेनीज में बी. एस.एल. ३ लेव
 राजकीय मेडिकल कोलेज, प्रयागाज में एफेरिस फेसिलिटी
 राजकीय मेडिकल कोलेज, प्रयागाज में एफेरिस फेसिलिटी
 राजकीय मेडिकल कोलेज, आगरा ह कानपुर में केमिल्युमिनिसेन्स
 राजकीय मेडिकल कोलेज, आगरा ह कानपुर में केमिल्युमिनिसेन्स कैंसिलिटी एवं केंपिल्यूमिनिसेन्स फीमिलिटी

#### ् शुभारस >

बाराबंकी में बी एस पूल् रू2 लेब

साइसेज, लुखनऊ में बी एस.एल.-2 लेब

इंस्टीट्यूट, हापुड में बी एम एल -2 लेब

वाराणसी में बी एस एल -2 लैब

#### सार संक्षेप

पुलवामा में ग्रेनेड से हमला 12 नागरिक घायल

भीनगरः जम्मू कश्मीर के पुलवामा जिले में बुधवार को सुरक्षा बलों के एक दल पर आवंकवादियों हारा किए गए हेनेड हमले में 12 नागरिक घायर हो गए। यह जानकारी पुलिस ने दी। पुलिस के एक अधिकारी ने बताया यह घटना पुलवामा के काकपीरा प्रथम प्रताम के काकपीरा स्ताके में हुई। उन्होंने कहा कि हेनेड का सिशनत चुक गया और हेनेड कड़क पर फट गया। अधिकारी में बच्च कि विरस्ते में 12 नागरिक केर्र लगने से घायता है। गए। उन्होंने काव्य कि घायता है। गए। उन्होंने काव्य कि घायता है। एक नजवीवी प्रत ले जाया गया। अधिकारी व कहा कि इस क्षेत्र की घेराबंदी कर ती वर्ष है और हमलावरों को एकड़ने के तिर एक अभियान चुरू किया है।

शराब पीने से तीन की मौत का मामला, तीन पुल्सिकर्मी निलंबित

प्रारम्भा (नाटाबत फिरोज्याव, जनस्य के शेखुना में माजवर की शाब सेवन से हुई मौत के मानते में बीटा पुरित्त अधीवक स्वित पटेलों के मानते में बादि वीन पुरित्तकर्मियों को शिलांबित कर दिया है। बीटा पुरित्ता अधीवक कार्यालया से मिले जानकर्मी के अनुसार खेलाई के धानाध्यव मुलाळीम अली. खेरगढ़ के थानाध्यम गुरसकान जर एसआई विजेद सिंह एवं कॉन्स्टेबल संजीव कुमार को उत्काल प्रभाव से प्रभाव के वा क्षेत्र प्रवे कॉन्स्टेबल स्वित्र कुम्मर को उत्काल प्रभाव से निर्देश्व कर दिया गया है। गौरतलब है कि जिसे के धाना देरान के को है कि जिसे के धाना देरान के की ब्रोडिया में मातवार को दीन ब्रोडिया की हाराव सेवन से मीत हो स्वेरी थी। पुलिस अधिक्षक (धानीया) गोर्गर कुमर में मानवार को बताया या कि थाना देरान के के तरावा या कि थाना देरान के के राज्या मातवारी 30 वर्षीय नवी चह एवं 32 वर्षीय संजय उर्ज संज्या व्यावक आपन में रिस्टे में ह्याया गोर्गित लाते हैं। प्रतेजनों के अनुसार इन दोनों ने में रिस्टे में ख़ाचा भवाज लगत ह। परिजानों के अनुसार इन दोनों ने सोमचर शाम को शताब पी थी और मंगलवार सुबह इनकी हालत बिगड़ी और बाद में इनकी मीत हो गई थी। उन्होंने बताया कि परिजानी ने दिल

का वैरा पड़ने से मौत की बात बताई थी। मंगलवार को एक अन्य व्यक्ति

'बाहुबली' विजय मिश्रा ने

अधिकारियों पर लगाया

. साजिश रचने का आरोप

र्जापुर, एजेंसी: भदोही की ज्ञानपुर सीट से स्मायक बिजय मिश्रा ने कहा है कि योगी

रकार हमारी हत्या कराना चाहती है। यही नहीं, होंने मदोही पुलिस प्रशासन और अधिकारियों

.पैसा लेकर साजिश रचने का आरोप लगाया।

प्रायक विजय मिश्रा की बुधवार को मिर्जापुर ट में रंगदारी के मामले में पेशी थी। भारी

अवधेरा की भी मौत हो गई थी।

## योगी ने दी छठकी बधाई

मुख्यमंत्री ने की छट पर्व घर पर ही मनाने की अपील

उत्तर प्रदेश के मुख्यमंत्री योगी आदित्यनाथ ने राज्य की जनता को छठ पर्व की बधाई दी है। उन्होंने अपने बधाई संदेश में कहा कि प्रकृति के प्रति बंदनीय भाव के प्रतीक लोक आस्था के महापर्व छउ पूजा के प्रथम वत नहाए-खाएं की आप सभी को नहाए-छाए का जान जन जन शुभकामनाएँ। इसके साथ ही मुख्यमंत्री ने पूर्व के त्योहारों की भाति छउ पर्व भी घर पर ही मनाने की अपील की। उन्होंने कहा कि कोरोना वायरस अभी पूरी तरह समाप्त नहीं

करोतना वायरस अभी पूरी तरह समाप्त नहीं हुआ है बल्कि कमजोर हुआ है। बचाव ही इसका सर्वोत्तम जगव है। योगी आदित्वनाय में बुधवार को द्वीट कर कहा कि प्रकृति के प्रति वंदनीय भाव के प्रतीक, लोक आस्था के महागर्व छठ पूजा के प्रथम कर नकाए-खाए की आप सभी करे बुधवारनायाँ। कोरोना अभी पूरी तरह समाप्त नहीं हुआ है, कमजोर हुआ है। बचाव ही सर्वोत्तम उपये है। पूर्व के ल्वोहारों की भांति एठ भी घर पर ही मनने का प्रयास की भाति छ्ठ भी घर पर ही मनाने का प्रयास करें। जय छठी मईया। एक सरकारी प्रवक्ता के मुताबिक छठ पूजा के अवसर पर घाटों



पर कड़ी सुरक्षा व्यवस्था किए जाने के साध ही महिलाओं को यह पर्व घर पर मनाने वे संबंध में प्रेरित करने के निर्देश दिए गए हैं। इसके अलावा घाटों के किनारे पारंपरिक स्थानों पर अर्घ्य दिए जाने के समुचित प्रबंध किए जाने के साथ ही पानी के बहाव के समुचित प्रबंध किए जाने के भी निर्देश दिए मपु है। घाटों पर निगरानी के लिए सीसीटीवी कैमरे लगाने के निर्देश भी दिए गए हैं।

सहायक अध्यापकों की भर्ती मामले में न्यायालय के निर्णय का स्वागत

त्वन्तर्क, भाषाः उत्तर प्रदेश के मुख्यम् व योगी आदित्यमार ने सहस्रक अव्यापको की भागी के प्रकरण में सरोवा न्यायास्य के निर्णय का स्थापत किया है। उन्होंने कहा कि उत्तर प्रदेश सरकार के निर्णय पर सरोवा न्यायास्य ने अपनी मुहर लगाई है। एक सरकारी हवान के मुनाबिक मुख्यमंत्री ने कहा कि एंसे प्रिथामिन जिन्हें गोका नहीं मिला है, शिक्षामित्र जिन्हें मोका नहां ।मता ह, उनको राज्यु सरकार हाग एक और अवसर दिया जाएगा। उन्होंने बेसिक शिक्षा विभाग को निर्देशित किया है कि शीध ही भारत निर्वाचन आयोग की अनुमति लेकर सहायक अध्याधक के पद पर बयतिन विभाग को निर्देशित एक नारी करें। सहायक जन्यापक अभियंत्रयों को नियुक्ति पत्र जारी करें। प्रदेश सरकार को मई में होहित हो के आघार पर सहायक बेसिक शिक्षकों के 69,000 रिक्त पदों पर भर्ती करने की व्वार को अनुमति दे दी।

भाजपा की गलत नीतियाँ रिवाड़ी में 12 सरकारी स्कूले से बर्बाद हुई कृषि

अर्थव्यवस्था : अखिलेश लखनऊ, भाषाः समाजवादी पार्टी (सपा) के



प्राकृतिक आपदा से ज्यादा सरकारी रवैये से संकट में है और भाजपा की नीतियों से कृषि की अर्थव्यवस्या पूरी तरह बर्बाद हो गई है। उन्होंने आरोप लगाया कि किसानों की कर्ज माफी, उनकी आय रोगुनी करने तथा उपज की उत्पादन लागत का डेढ़ गुना दाम देने के 'झूठे' वादों से उनके बोट ले लिए और फिर कारपोरट के पास उन्हें बंधक बनाने की साजिश को अंजाम दे दिया। अखिलेश ने आरोप लगाया कि आज बेमीसम् बरसात और धान की खरीद में प्रष्टाचार के चलते किसान धान का खराद म प्रधायार क बलाव किलान बरहाली में हैं और सरकार उनके प्रति असंवेदनशील व्यवहार कर रही है। ऐसे में किसान आत्महत्या नहीं करें तो क्या करें ?

कोरोना संक्रमित, स्कूल दो इ

रेवाड़ी, एमेंसी, दिल्ली-एनसीआर के साथ ही हरिन से बढ़ते जा रहे हैं। रेवाड़ी फिल्ले ने बुक्तार के 12 सरव संक्रमित पाए जाने से इड़की मच गवा है। इसके बार दें को दो सरवाड़ के लिए बर्ड कर दिया गवा है। हरियाणा के शिक्षा मंत्री क्वार पाए गुजर्न ने कहा

हारवाणा के शिक्षा मंत्री कंतर पाल गुर्जर ने कहा के के मामले सामने आए ये, उन्हें दो सत्ताह के लिए वंद और सीशल डिस्टिमिंग के मानदर्जे का कड़ाई से पाल-19 के कारण पूरा सिस्टम बंद नहीं हह सकता। इस दो-किया जाएगा। नोडल अधिकारी ने कहा कि त्यौड़ार होता है और लोग एक-दूसरे से मिलते हैं, इसलिए। का टेस्ट किया था, जिनमें से 72 छात्र संक्रमित पाए ग

पर उन्हेंय राज्य था, जनस स 72 छत्र संक्रास्त पार ग्रा पर अंकृत लागने के लिए छत्रों का देस्ट ओरा भी जा इससे पहले मंगलवार को जींद में भी 11 स्कूलों लोग करोता पॉजिटिय पार गर से। जींद के करवारूय स्वास्थ्य दीमें सैंपलिंग के लिए रोजाना स्कूलों का दौरा के प्रणी करवारों में सैंपलिंग की के सभी स्कूलों में सैंपलिंग पूरी कर लेंगे।

#### EDUCATION. Junctio



D. Phai

🎱 केशव पॉलिस

कम्प्यूटर्स इक्जिन इलेक्स कोर्स की उत्तिध तीन

ग्राम तेजलहेड़ा. चरला बरोडा रोड हे ऑफिर ३६ ३७, विम्नु विहार जातर 9837140332, 819

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## प्रवेश स्वना

नीट 2020 के माध्यम अभ्यर्थी जोकि बी.ए.एम.एस. पाठय लेना चाहते हैं उनको सूचित किया जिन छात्र/छात्राओं के नीट 2020 वं जरनल वर्ग में 147 अंक है तथा ओ एस.सी/एस.टी वर्ग में 113 अंक प्राप्त समस्त अभ्यर्थीयों के लिये विवेक आयुर्वेदिक सांइसेस एण्ड हॉस्पिटल प्र. में प्रवेश हेतु आवेदन फार्म आवेदन हेतु 2 कलर फोटो, समस दस्तावेज तथा नीट के स्कोद महाविद्यालय के कार्यालय में सम्पर्क हेतु . बैंक द्वारा एजुकेरानल लोन उपलब्द है अधिक जानकरी हेतू हैल

#### विकास दुबे केस : 173 फाइलें गायब एसआईटी रिपोर्ट पर कार्रवाई शुरू

यूपी के मोस्ट वाटेड हिस्टीशीटर विकास दुवे समेत नलहा लाइसेंस की 173 फाइलें कलेक्ट्रेट के

रिकॉर्ड रूम से गायब हैं। एसआईटी रिपोर्ट में इस मामले का खुलासा होने के बाद एसीएम द्वितीय के पेशकार और तत्कालीन सहायक शस्त्र लिपिक पशकार आर तत्कालान सहायक राष्ट्र ग्लापक को चार्जशीट दी गई है। पेशकार के खिलाफ कोतवाली थाने में रिपोर्ट भी दर्ज कराई जा चुकी कातवाला थान म (स्वाट मा दज़ क़साद ज़ा चुका है। एसआईटो ने विकास दुवे के असलाहा लाइसेस की फाइल तालब को तो खाजबीन शुरू को तो यह पता चला कि यहां तो वर्ड फाइलें गायब हैं। प्रशासन ने तालालीन सहायक शस्त्र लिपिक और वर्तमान में एसीएम डितीय के पेशकार विजय रावत को नोटिस जारी की। न रिकार्ड मिला और न ही कोई जवाब आया तो रिपोर्ट दर्ज कराई गई। एसआईटी की रिपोर्ट आने के बाद आनन-फानन में जिला

मर्गे हत्या कराना चाहता है सरकारः मिल्रा

जांच की हो चुकी संस्तुति

फाइत गायव होने के मामले में एसआईटी ने मीवीसीआईडी से जांच कराने की भी संस्तृति की है। जिसे जिला प्रणासन ने डीआईजी को भेजा है। एडीएम सिटी ने बताया कि सीबीसीआईडी जांच की संस्तृति डीआईजी के स्तर से होनी है, उर्जाएम उनको भेजा गामा है। इसलिए उनको भेजा गया है।-

प्रशासन भी कार्रवाई में जुट गया है। एडीएम सिटी अतुल कुमार ने बताया कि पेशकार को चार्जशीट दी गई है। फाइल गायब होने में उसको लापरवाही मानी गई है। जवाब आते ही अब कार्रवाई होगी। पुलिस की कार्रवाई अलग चल रही है।

विकास दुवे समेत उसके परिजन व करीबियाँ नेपन्त ने फर्ज होवेज और जानकारी छुपाकर असलहा लाइसे स कराया था।

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dian Potash Limited (Distillery Unit P.O. Rohana Mills, Block Charthawa Tehsil and District Muzaffarnagar (UP





पेपर मिल्स् रोड, सहारनपुर।

द्वारा सभी उपभें ाओं के लिए होन डिलीवरी की विरोष सुविधा

मोबाइल संख्या 7579372578 पर सम्पर्क कर शींघ्र से शींघ्र सिलेण्डर डिलीवरी घर पर प्राप्त करें।

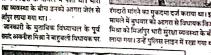
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नए कनेक्शन तथा डीबीसी : (दूसरा सिलेण्डर) दुरन्त उपलब्ध।(दस्सावेज-दो फोटो, आपार कार्ड, वैंक पासवुक)।

#### रंगदारी मांगने का मुकदमा दर्ज कराया था। इसी मामले में बुधवार को आगरा से विधायक विजय

मिश्रा को मिर्जापुर भारी सुरक्षा व्यवस्था के बीच लाया गया। उन्हें पुलिस लाइन में रखा गया था।

वहां से कचहरी में कोर्ट लाया गया, जहां पर उनकी पेशी हुई। कोर्ट से बाहर निकलने के बाद विजय मिश्रा ने कहा कि प्रदेश सरकार मेरी हत्या कराना चाहती है।



#### जातवाणी जातर तरा सूचना

्र अपना नाम लतीका सैनी से ज्ञाकर बबलेश सैनी रख लिया है। व्य में मुझे बबलेश सेनी पर्ली नीश सेनी निवासी मोहल्ला ब्यानान बाना कैराना जिला शामली

इण्टरमीडिएट वर्ष 2018-19 हाका पड़ा आभवार 186 14. 1870 कि मांक 0409187 की कालोनी मेरत रोड यापारत हालिका को गर्वी है। विश्वेद्र सिंह ऐरा नाम कुछ दस्तावेजों में सचित चुच है प्रविक्त से स्वाय-मलकपुर जबकि सरी नाम संचित चुग है। भविष्य में मुझे सचित चुग नाम से जाना जाए।

म मुझ साधत चुन नाम स आना आर्।
पूर्व नेवा के शिक्षिक किन्द्र में सचित चुन पुत्र गुरुदाल आरोत, 88,
विश्व 65-09-2004 दर्ज है। जो शिवविद्वार, सहात्तपुर।
है। बही जनतिबिट 05-09के शेहने हो दर्ज किया जाते। फेक्ष अध्यरण के कारण अपनी चल-अधल बिरासिट अमेरसा साध-साध्यत

मैं अपने बेनामें की लिंकेज डीड म्म ६६.६६ वर्गगज स्थित आबादी मण्डी बागपत जिसका दस्तावेज 184 दिनांकित 26-12-1999, जिसमें विक्रेता भारत भूषण पुत्र अभेराम च केता धर्मणल पुत्र भिक्खनराम है। कृता धमपाल पुत्र । मञ्जनतम् हः बनामे की असल (मृल/ ओरिजनल ) प्रति वास्तव में खो गई है। श्रीमती संजय टरमीडिएट वर्ष 2018-19 डाका पत्नी ओमवीर सिंह नि. शिव

अवरण क कारण अपना चला-अवर सासिंह क्ष्मीवरा सराव-बागपत स्पति से बेदखलका सभी संबंध हाईस्कूल वर्ष 2018 अनुक्रमांक समाज करता हूं। अपने कार्यो/लेनदेव 9678 का इमाणापुत्र वास्तव में छो का वह स्वर्य जिस्मेटार होता। सर्वेट एक

#### इकबाल मिर्ची की 500 करोड़ रुपये की संपत्ति कुर्क

नई दिल्ली, भाषाः प्रवर्तन निदेशालय (ईडी) ने बुधवार को कहा कि मृत गैंगस्टर इकबाल मिर्ची की मुंबई में स्थित लगभग 500 करोड़ रुपये की संपत्ति को तस्करों, विदेशी मुद्रा को हेरफेर करने वालों और मादक पदार्थों से संबंधित दो केन्द्रीय कर्ना केत जात जात कार प्रकार प्रचार संस्थाय के कार किया कानूनों के तहत कुक कर लिया गया है। एनंसी ने कहा कि मियों की मुंबई के वलीं इलाके में स्थित राविया मेंशन, मरियम मिची को मुंबई के बला इलाक में (स्वत धावना करा), कराव लॉज और सी व्यू नामक संपत्तियों को कुळ किया गया है। मिची को मादक पदार्थों की तस्करी और जबरन वसूली मामलों में वैश्विक आतंकवादी दाउद इब्राहिम का कथित रूप से दाहिना हाथ बताया जाता था।

ईंडी ने मिर्ची और उसके सहयोगियों के खिलाफ सबूत एकत्रित किए थे, जिनके आधार पर तस्करों एवं विदेशी मुद्रा हरफेर अधिनियम (सफेमा) और स्वापक नियंत्रण एवं मनः प्रभावी पदार्थ (एनीपीएस) अधिनियम ने नौ नवंबर को संपत्ति कुर्क करने का आदेश जारी किया था। सक्षम प्राधिकारण कुक करन का आरश आरा किया था। स्वस्न प्रायकारन एसएएम्डएम्ए और एनडीपीएस के तहत दावर मामलों पर निर्णय लेता है। ईडी ने एक बयान में कहा कि आदेश के अनुसार उन संपत्तियों से संबंधित सभी हस्तांतरणों और लेन-रेन को अमान्य घोषित किया गया है। धन शोधन क्लिस्स



#### व्यण डायरी

महाबीर घाँक पर चला घेकिंग अभियान

यूट्यूब फिल्म चालबाजी के गाने की हुई शूटिंग ्रव 1 अन्यात् आधारमध्या ए शामित व्याप्त हो हिस्सूटिया मा सिहार होने अधिकार ए शामित वृत्य को निरुद्ध को हो हो हो हो है है से समय गोव के जीवन में हुई। यो के प्रेज्यपूर्व मानित कृतिनी ने बंतायों के कोत समय की पूज्य का निरुद्ध हानेकियों के महिला के साथ के क्यांनी घटनाओं या मिला हो हो हिसा में सिहार साथिकार पर काल दिया गया है। यह य करता को जाएका करेंगी। अन

कांवड मार्गे पर बाहक गड्डे में गिरी, चार लोग घायल क्रांबर मार्ग पर, बाइक, गुडु में गिरी, धार लाग धायल सुपास स्वाप्त में बाद प्रदेश के बेंच पांच परीह तिवसी एक्ष मोगांग की रिगो की, स्विधान के स्वाप्त में स्वाप्त के स

## खुलासे पर मुख्यमंत्री की मुहर, एसडीएम पर अमर उजाली

अमर उजाला ने 23 नवंबर 2016 को किया था इस मामले का खुलासा, बुग्रना के एसडीएम कुमार भूपेंद्र को पदायनित कर तहसीलदा

पेरत। हिलाया स्थित एक कारनेनी यें जमीन को सेकर हुए खेल और आगर उजाला इस किए गए खुलासे पर अब मुख्यपंत्री योगी आदिस्यनाथ ने कहा यि लिया है। सत्कालीन एसडी निर्णय लिया है। साकालीन एसडीएम जो कि इस समय मुजणकरनगर की धुड़ाना तहसील में एसडीएम कुमार भूपेंद्र की पदावमीत कर उन्हें तहसीलदार बनाने का आदेश दिया है।

ये था पूरा मामला एसएय-58 पर ग्राम दिलाया के प्रस्पप्र-58 पर ग्राम दिलाया के क्रांतिनी का निर्माण सुरू किया गया। इस ट्रीयन बिलड़ में इस्पन्न के एक्तालीन एसडीएम को आवेदन पड़ दिखा कि उसकी करोंनी के बीच में प्रस्कारी समुख्य की जमीन का स्वी है। ऐसे में इस जमीन को बिल्डर के नाम कर कर जान

वियमी का उल्लंधन कर मेरिंग

नियमां का उल्लंघन कर साटग इस आनेदन के बाद तत्कालीन एसडीएम ने जगीन 25 मार्च 2013 को बिल्डर के नाम दर्ज कर दी। नियमानुसार यह मारला सासन के वहां से दिशा-निर्देश फिलाने के बाद जमीन ट्रासंकर होनी थी। जब तत्कालीन डीएफ नवदीय रिण्या से त्रांकानीन कीएम नवदीन रिण्या से शिकायत हुई तो उन्होंने एसकीएम आईड प्रताप सिंह को हटाकर आर्थिद पिजा की तैनाती कर दी। अर्थिद सिजा ने 1 करती 2014 को पूर्च एसकीएम के आरोत निरस्त कर जागीन चांचसी के आरोत निरस्त कर जागीन चांचसी के आरोत निरस्त व्यापनाम को रिपोर्ट, न अर्थीन

नियंगानुसार अपर आयुक्त के आदेश आने पर एसडीएम सरधना को पूरी रिपोर्ट बंनाकर जिलाधिकारी को सौंपनी थी। डीएम के माध्यम से यह

अफसर मेहरबान, 30 करोड़ की जमीन बिल्डरों के नाम



23 नर्वंबर, 2016 के अंक में प्रकारित समाचार।

अपर आयुक्त के यहां आदेश खारिज हम जागते में किन्दरों ने कॉफ्टर के जाते आंगित जाता की दिवस पर अगर अगुकत ने आगीत स्थीतार करते हुए 27 आपत 2014 को एसडीएम अगर्थेंद मिता के आदेश रिस्ता करते हुए पूर्व एसडीएम का खादेश कहता कर दिया। अगरकत के स्थित के कि

करनी थी। जहां से फैसला होता। पंकज यादव का ट्रांसफर हुआ और क्योंकि पशुचर या सरकारी जगीन के नए डीएम के रूप में जगत राज गामले में तहसील या जिला स्तर से जिंगाठी आए, तभी जभीन 11 अगस्त

आयुक्त के आदेश के विलाभ उच्च तहसील सरधना के अधिकारी आदेश न्यायालय या राजस्व परिषद में अपील दबाकर बैठ गए। जब जिलाधिकारी फैसले का अधिकार नहीं है। लेकिन 2016 को बिल्डरों के नाम कर दी।

समाचार प्रकाशित होने पर हुई एए इस्त मामले का मुक्ताबर असर उकामा ने किया थी उत्त हीत्य ही. मंद्रकाम ने इस पर जांच कराई। जांच में व सही पर जाने पर क्षिप्रक सर्वित तकास्त्रीत और पूर्व पर्वाचित्र सहित सेव्यासन न ये, क्ष्यू के क्षिप्रकाम स्वाचे पर की क्ष्यू

एक केंद्रीय मंत्री से जुड़ा है मामल एक के द्वारा संत्री से जुड़ा है भागर किस विच्चार द्वार को करीत थी से ग्री कर एक केंद्र इस्तीक पुरुष्ठ केंद्रीन मंत्री का जान इस विच्चार द्वार में है। ऐसे में माना जा होता था कि मासला दक जाएगा। स्थापता किसामा के कर प्रकार किस हम के निवास के का दूर्व है व चंपामा अमीद की नागित को लेका चल को सकत कार्यवा हुई। माना जा लाह है कि एस पापमा में अर्ची कर्मवारियों पर भी माना गिरना तय है।

एक और मामला मुख्यमंत्री के द ्रा पानिया भुज्यभित्री के दि खरागड़ की वर्षीन विल्डर को देने का एक और कं समने आपा है। वह महत्त्व पर्वेड गाँग का है। हरू स्तर पर हो जुकी है। स्केन इसमें अभी उक कोई के प्रापला भी विज्ञते दिनों मुख्यमी दरकर में खुँ क कार्यावह होने की चर्चा है।

#### घरों से लाखों का सामान चोरी



कॉलोनी में चोरी के बाद बिखरा पड़ा सामान।स्वाद

मिल कर्मेचारी पर हमला ज्यान आर। पर हमला प्राप्तवाना अकबरगढ़ में जिलेणी गुगर भिन के सुपरवाजार पर मनोज सेना ने प्रकृषक पर हमला कर पायल कर दिया अरोग है कि सुपरवाजार पर खेत कर्म के चैंदन गुना का रकता नहीं देखन गुन्ना का रकबा नहीं बढ़ाने सप् किसान ने हमला किया, जिसमे मुस्साप् किसान ने हमला १००५, ए में मुंगीर चोटें आई। पीड़ित ने आरोपी डिलाफ धाने में तहरीर दी। पुलिस ने से अस्पवाल में भर्ती कराया है। स्बर

प्रेमी संग विवाह/ कर कोतवाली

**'पहुं**ची युवती

मुख्या। क्षेत्र के एक गांव निवासी 27 वर्षीय युकती अपने ही गांव के

दूसरी निरादरी के युवक से शादी करने के बाद पति संग कोतवाली पहुंच पाई । द्वोनों पति-पत्नी ने अपनी आयु च शादी के सभी दस्तावेज पुलसू को दिखाए। कोतवाली में

पुलस को दिखाए। प्रतासना स्थान देने के बाद दोनो वापस चले स्थान देने के बाद दोनो वापस चले

गए। युवर्ता ने माता ने कोतवार्ता में बटी की गुमशुदगी दर्ज करवाई थी।

तहसील क्षेत्र के एक गाव निवासी युवती कह नवंबर को बुढ़ाना आई श्री। बह अपने घर नहीं लौटी। युवती की माता ने कोतवाली में बेटी की

गुमंशुद्धी की रिपोर्ट दर्ज करवाई। जांच अधिकारी जुमवीर सिंह ने बताया कि युवती अपने प्रेमी के साथ

फर्यर हो गई थी। दोनों प्रेमी युगल एक ही गोव के रहने वाले हैं। युवती व पुवक दोनों अलग-अलग विशद्ध के

है। पुलिस ने बताया कि दोनों ने अंतर्जातीय विवाह कर लिया है।

स्वतुलाये विवाद कर लिया है। विवाह के बाद फरार हुई धुवती अपने पूर्वी प्रति,के साथ सोमकार को केतवाड़ी पहुंची दिनों ने अपनी अबु व विवाद के दरवावेज पुलिस को दिखाए। युवती ने पुलिस को बाताया कि वे दोनों वालिग हैं। उन्होंने

अपनी मर्जी से विवाह किया है। जांच भिकारी हो मताया कि बयान देने के

दोनों प्रेमी युगल पति-पत्नी चले गए। चनुद

बुढ़ाना। बेखीफ बटमाशों ने रिव्यूए देर रात मास्टर कॉलोनी में दो परों से लाखों का कीमती सामान चौरी कर लिया। कस्बे की मास्टर कॉलोनी निवासी जितेंद्र दर्फ टीटू रविवार

को अपनी पत्नी व बच्चों के साथ शादी समारोह में भाग लेने के लिए अपनी रिश्तेदारी में गया हुआ था। घर पर ताला लग न्दुआकाध देखाव सम्माण पना न नम् नायमने हकर शहर हार गए। बदमाशों नेबर के अंदर रखे अलमारी, बक्शा व संदूक का ताला तोड़ दिया। बदमाशों ने अलमारी के अंदर रखी एक का ताला तोड़ दिया। बटपाशी ने अलमारी के अंदर रखीं एक लाख रुपये की नगदी, कह तोला सोने की दो चेन, 500 प्राप्ट, चांदी के जेबरात चुरा लिए। सोपवार को सुवह जितेंद्र कुमार अपनी पत्नी व बच्ची के साथ पर पहुँचा तो हैरान रह गया। घर का ताला टूंटा पड़ा था। घर के अंदर लामान बिखरा हुआ था। घटना की सुचना मिलते ही पुलिस भी मौके पर पहुँची तथा घटना की सुचना मिलते ही पुलिस भी मौके पर पहुँची तथा घटना के सबचे में जानकारी प्राप्त की। घटना में नदसीर जितेंद्र कुमार ने पुलिस को दी है। दूसरी घटना में मदमारों ने इसी कॉलोनी के निवासी नरेश चंद शर्मो के मकात को अंधन निशाना बनावा। चोरों ने मकान के अंदर पुस्तकर ,सब्यासिबल पंप को मोटर घ तोने का केबल चुरा लिया। एक ही रात में चोरी की दो घटनाओं से मास्टर कालीनी व कसने में चोर की आतंक व्याप्त है। इस्पेक्टर मगन बीर सिंह गिल ने बताया कि पीड़ित की तहरीर पर मुकदमा दर्ज कर लिया गया है।

पुलिस ने युवक को दबोचा

पुराद्भ न पुराद्भ को प्रभावा प्रमावक्षी निवासी भूपेंद्र राण में सात अगस्त को मोहल्ला सेनीनगर निवासी आयुरोष वर्ष मिट्ट मोतला पर अपने आहित्स पूर्वकर किरीती मांगने के अग्रिप में पियोंट दर्ज कर्स्स थी, तभी से आरोपी आयुरोष प्रभाव चल रहा का हा इन्स्मेट एचप्य हिंक ने बताया कि आरोपी धाने का टीप-टेन बदमारा भी है, जिसे पीववार देर रात मुन्धेंद्र के टीरान गानहर सियत चीतल कर के प्रसास में गिरफार कर किला। आरोपी के काओं से तमना कात्रपुत्त के साथ हो पूर्व सर्विष्ण करा, भी बरासर की गई है। कार के कागजात न मितने पर उसे सीन कर दिया गया है। आरोपी से पूछताछ के बार उसे जैल भीज दिया गया है। क्रांसर

This is to inform the public that MoEF&CC (Ministry of Environment, Forest and Climate Change) has Issued the environment, Forest and Climate Change) has Issued the environmental clearance via file no. 335/Parya/SEAC/5784-5864/2019 on dated 14.10.2020 for distillery-capacity 65.3 KLD alongwith 2.0 MW Power Plant of Indian Potash Limited (Distillery-Uni) P.O. Rohana Mille, Block Charthawal, Tehsil and District Muzaffarnagar (UP) at Khasara no. 034, 634M, 633, 631, 627, 626, 624 parily and 6224 parily.

The environmental clearance clasued by MoEF&CC 's available in the official website of MoEF&CC www.selaup.in and environmental clearance copies are available with the State Pollution Control Board.

Mis Indian Potash Limited (Distillery unit)

M/s Indian Potash Limited (Distillery unit) P.O. Rohana Mills, Block Charthawal Tehsii and District Muzaffarnagar (UP)

#### आई.पी.एल. का क्षेत्र के विकास के लिए एक और गढ़ता कदर

कार्यालयं नगरं पंचायतं वुद्धनाः, मुजापफरनगर

न्यकान्य विनियमन व नियंत्रण उपविधि वर्ष 2020 संशोधन सूचना इस कार्यात्मय क पत्राक 19/नवर्षण उपविधि वर्ष 2020 संशोधन सूचना इस कार्यात्मय क पत्राक 19/नवर्षण्युठ/2018-19 विनाक 08 01 2019 के हारा नगर पालिका अधिनियम 1916 (2) की घारा 296(2) सूची-1 एसठएफठ के अधीन नगर पवायत, बुद्धाना, जनगद मुजक्फरनगर ने अपनी सीमा के अन्तर्गत विज्ञापन सम्बन्धी उपनियम बनाव जाने के पश्चात उनका प्रकाशन समाधारपत्र अमर उजाला व हिन्दुरतान गरट के अक दिनाक 10,01,2019 वहें उपनिवमों के सम्बन्ध में आगरित एवं हिन्दुस्तान मरत के अक दिनाक i/O.I 2019 को प्रतिकाम के सावन्य में आपतिए पूर्व मुझान प्रकाशन की तिथि में 30 विन के गीवर आपनित्रत किये जाने के ज्देश्य पर कराया गाम भा ानियत अर्थाय में प्राप्त आगतियों को निस्तारण किये जाने के प्रकास पुन. सामावरपत्र हिन्दुस्तान व पितृश ज्योति के अब्ह बिनाक I730/2019 में पुनरपालिका अधिनियम 1915 की मारा 12 के अर्थीन प्रकाशन कर तकर धारा 133 के अन्तर्गत 30 दियम के गीतर आगतित्यों एवं सुझाव आगनित्य करने हेतू प्रकाशित कराई गा थी। शिरात अर्थाय में कोई आगतित पर सुझाव नगर पैयावर कृपतिक्षम में भारत नहीं हुई थी। अगतित पर वाह स्वार्थ प्रकाश करना स्वरक्षण राजन में नहीं हो याया था। विकरिय वर्ष परिवर्षित हो जाने के क्षारण जनत प्रपिद्यि के सरकारी गजर में गाजन में प्रकाशन परार्थ जाने से पूर्व संशोधित किया गया है। अत. उच्च प्रपिद्यि के सरकारी विनियमन व नियंत्रण उपविधि वर्ष 2020" पदा जाये । ... तः (ओम गिरि)

(बाला त्यागी) (ओम गिरि), अधिशासी अधिकारी नगर पंचायत बुढानां नगर पंचायत बुढाना

• इंटीग्रल इंस्टीद्युद ऑफ मेडिकल

रामा मेडिकल कॉलेज एवं रिसर्च

• हिन्द इंस्टीट्यूट ऑफ मेडिकल साइसेज, 🕟 एफ एच मेडिकल कॉलेज एवं हॉस्पिटल, ् • मेडिकल कॉलेज, मुजप्प फिरोज़ाबाद में बी.एस.एल. 72 लैब

• द्वी एस तिश्रा मेडिकल कॉलेज, लखनऊ में बी.एस.एल.-2 लेब में बी.एस.एल. - 2 लेब • हेरिटेज इंस्टीट्यूट ऑफ मेडिकल साइसेज, वाराणासी में बी.एस.एट.

बी.एस.एल.-2 लेब एवं र फैसिलिटी

कोरोना भर अभूमि प्रयास की WHO द्वारा श्री साहिता के ताजकीय विकित्सालयों में कारोना का टिश्युटक उस (प्रतिदित लगभग 1.75 लाख कोविड देखिया 📤 75 लाख से अधिक कोविड बंड को उपलक्षता 💠 अब तक 1.79 कोड से अ

कोरोना हेल्पलाइन मं - 1800-180>5145

कोरोना एवं डेंगू से लड़ ईं में बढ़ते क़दम

कोविड-19 की जांच के लिए

राजकीय 🖫 िजी मेडिकल कॉलेजों में

नवस्थापित बी.एस.एल. लेब

कोविड-19 व डेंगू के उपचार के लिए एकेरेसिस व केमिल्यूमिनिसेन्स फेंसिलिटी

लोकार्पण/शुभारंभ

(वीडियो कॉन्फ्रेंसिंग के माध्यम से)

#### योगी आदित्यनाथ

मुख्यमंत्री, उत्तर प्रदेश द्वारा

दिनांक 23 नवम्बर, 2020 को किया गया।

सुरेश कुमार खन्ना

ननी, चिकित्सा शिक्षा, विल एवं , संसदीय कार्य, उत्तर प्रदेश

संदीप सिंह

## • गुजकीय पेडिकल कोलेज, गोरखपुर में एफोसि

स्थान : 5, कालिदास मार्ग, लखनऊ

 राजकीय मेडिकल कोलेज, क्रेनीज में बी. एस.एल. ३ लेव
 राजकीय मेडिकल कोलेज, प्रयागाज में एफेरिस फेसिलिटी
 राजकीय मेडिकल कोलेज, प्रयागाज में एफेरिस फेसिलिटी
 राजकीय मेडिकल कोलेज, आगरा ह कानपुर में केमिल्युमिनिसेन्स
 राजकीय मेडिकल कोलेज, आगरा ह कानपुर में केमिल्युमिनिसेन्स कैंसिलिटी एवं केंपिल्यूमिनिसेन्स फीमिलिटी

#### ् शुभारस >

बाराबंकी में बी एस पूल् रू2 लेब

साइसेज, लुखनऊ में बी एस.एल.-2 लेब

इंस्टीट्यूट, हापुड में बी एम एल -2 लेब

वाराणसी में बी एस एल -2 लैब