IFFCO
Wholly owned by Cooperatives
KANDLA UNIT

इंडियन फार्मर्स फर्टिलाइजर कोऑपरेटिव लिमिटेड
INDIAN FARMERS FERTILISER CO-OPERATIVE LIMITED

14.11.2026

To
Ministry of Environment, Forest & Climate Change
Integrated Regional Office,
Gandhinagar A wing – 407 & 409,
Aranya Bhawan, Near CH-3 Circle, Sector-10A,
Gandhi Nagar-382010, Gujarat

Sub: Half Yearly Compliance Report for the period Apr-2026 to Sep-2026 for Product mix change without increase in production capacity of Existing Fertilizer Plant for Manufacturing of Nano NPK Fertilizer (Nano Fertilizer) located at Kandla Unit at P.O. Box No. 12, Kandla, District-Kutch, Gujarat by M/s Indian Farmers Fertiliser Cooperative Limited (IFFCO)

Ref: Ministry of Environment & Forests, New Delhi Environment Clearance letter No. F. No. J-11011/202/2009-I.A.II(I) dated 31.10.2025

Dear Sir,

With reference to the above referred Environmental Clearance issued to Kandla plant for the Product mix change without increase in production capacity of Existing Fertilizer Plant for Manufacturing of Nano NPK Fertilizer (Nano Fertilizer) located at Kandla Unit at P.O. Box No. 12, Kandla, District-Kutch, Gujarat by M/s Indian Farmers Fertiliser Cooperative Limited (IFFCO), enclosed please find herewith the Half Yearly Compliance Report for the period Apr-26 to Sep-26 in respect of the stipulated Environmental Clearance terms and conditions.

With Kind Regards,

Jitendra Singh
Jt. General Manager (Technical)

Cc: The Member Secretary, Gujarat Pollution Control Board (GPCB),Paryavaran Bhavan, Sector 10 A, Gandhinagar - 382 043, Gujarat.

कांडला इकाई / Kandla Unit, कांडला / Kandla, कच्छ / Kutch, (गुजरात) / (Gujarat) - 370 210.
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INDIAN FARMERS FERTILISER COOPERATIVE LIMITED
KANDLA UNIT

Half yearly compliance reports
Period April 2026 to September 2026

Sub: Product mix change without increase in production capacity of Existing Fertilizer Plant for Manufacturing of Nano NPK Fertilizer (Nano Fertilizer), Kandla Plant at P.O. Box No. 12, Kandla, District-Kutch, Gujarat-320210 by M/s Indian Farmers Fertiliser Cooperative Limited (IFFCO) - Grant of prior Environmental Clearance (EC) to the proposed project under the provision of the EIA Notification 2006

Ref: Environment Clearance F. No. J-11011/202/2009-IA II (I), dtd 31/10/2025 from Ministry of Environment, Forest and Climate Change (I. A. Division)

1. SPECIFIC CONDITIONS:

Sr. No.	Environmental Conditions /Safeguards	Compliances
1.1.	The company shall comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, and risk mitigation measures relating to the project shall be implemented.	**Complied.** IFFCO Kandla has spent Rs. 447.64 Lakhs against various modifications for Environment Management during FY 2026-27 (Apr-2026 to Sep-2026) Certified statement of the same is attached as **Annexure-V.** Proof of implementation of activities proposed under EMP supported by photographs is attached as **Annexure-VI.** Also, total investment of Rs. 135.28 Lakhs has been made by IFFCO Kandla for development and Upkeep of Green Belt area during FY 2026-27 (Apr-2026 to Sep-2026) in Kandla plant and Township.
1.2.	ESP alongwith Stack height of 51 m shall be provided to coal fired 14 TPH and LSHS fired boiler 16 TPH to control particulate emissions as per CPCB/SPCB norms;	**Complied.** ESP along with common stack of 51 m height has been installed for coal-fired (14 TPH) and LSHS fired (16 TPH) boilers to control particulate emissions as per CPCB/GPCB norms.

Sr. No.	Environmental Conditions /Safeguards	Compliances
	ESP along with Stack height of 41 m shall be provided to imported coal fired hot air generator (2 Nos);	The 2 nos. of imported Indirect Coal Fired Hot Air Generators, supplying hot air to Nano NPK plant are connected to a common Stack of height 41 m with each HAG fitted with a dedicated ESP for emission control.
	Stack height of 30 m shall be provided to DG set (2 x 1010 KVA) as per CPCB norms.	Stack height of 30 m has been provided to DG set (2 x 1010 KVA) as per CPCB norms.
	Cyclone with scrubber along with stack height of 41 m shall be provided to 6 Nos Direct Coal Fired Hot air generators for providing Hot air to NPK/DAP plant (A, B, C, D, E & F).	Cyclone with scrubber along with stack height of 41 m have been provided to 6 Nos Direct Coal Fired Hot air generators for providing Hot air to NPK/DAP plant (A, B, C, D, E & F).
	Scrubber along with 31 m and 41 m stack height shall be provided dedusting system unit 2 & 3 and dedusting system unit (3).	Scrubber along with 31 m and 41 m stack height have been provided for dedusting system unit 2 & 3 and dedusting system unit (3 nos.).
	Bag filter alongwith stack of adequate height shall be provided to spray dyer along with granulator and bagging house.	Presently construction of proposed Nano NPK project has been started and same is under progress. Bag filter alongwith stack of adequate height shall be provided to spray dyer along with granulator and bagging house.
1.3.	Quadruple cyclones with scrubber system shall be provided to spray dryers (2 Nos) to control process emissions. Adequate two stage water and acidic scrubber system shall be provided to control process emissions i.e NH_3. The scrubbing media shall be sent to effluent treatment plant (ETP) for treatment. Efficiency of scrubber shall be monitored regularly and maintained properly. At no time, the emission levels shall go beyond the prescribed standards.	**Complied.** Each Spray Dryer is equipped with a Quadruple Cyclone Separator (2 Nos. – one per dryer), designed to handle high dust loads and separate coarse and fine particulates from the exhaust stream. The outlet of each cyclone is connected to a Venturi Scrubber to capture residual fine particulate matter through high-efficiency gas liquid contact. The scrubber media i.e., the wastewater generated from Nano NPK Plant will be reused in the scrubber of NPK-II plant. because NPK/DAP plant is negative water balance plant. Hence, IFFCO Kandla unit is zero liquid effluent discharge (ZLD) based plant.

Sr. No.	Environmental Conditions /Safeguards	Compliances
1.4.	Fresh water requirement shall not exceed 1522.5 KLD from Gujarat Water Supply & Sewerage Board source after proposed nano NPK plant.	**Complied** Presently, the Nano NPK project is under construction. Existing industrial freshwater requirement is below permissible limit of 1132.5 KLD for Kandla Plant.
1.5.	NOC from the Concerned Water Authority shall be obtained before start of the construction of plant and drawing water from water supply authority. State Pollution Control Board shall not issue the Consent to Operate (CTO) under Air (Prevention and Control of Pollution) Act and Water (Prevention and Control of Pollution) Act till the project proponent shall obtain such permission.	**Complied.** An agreement with Gujarat Water Supply and Sewerage Board (GWSSB) is already in place for the existing Kandla Plant. The present industrial freshwater consumption of the Kandla Plant is within the permissible limit of 1132.5 KLD as per CCA granted by Gujarat Pollution Control Board (GPCB). The freshwater being received is sufficient for construction activities of Nano NPK Plant.
1.6.	Industrial Effluent generation from nano NPK plant shall not exceed 124 KLD. Effluent shall be collected in the sump and collected effluent shall be recycled/reused in the manufacturing process of fertilizer. Domestic wastewater shall be treated in the STP and treated wastewater shall be recycled/reused for horticulture purpose. ZLD shall be maintained.	**Complied** Industrial wastewater along with effluent generated from the plant are being collected in the Central Sump of NPK/DAP Plant from where it is completely recycled/consumed in the scrubber process of NPK/DAP plant because NPK/DAP plant is negative water balance plant. Hence, the plant is Zero liquid effluent discharge (ZLD) based plant. Domestic Sewage is treated in Sewage Treatment Plant, and the treated effluent is being used for horticultural purposes in the plant.
1.7.	Fugitive emissions in the work zone environment, product, raw materials storage area etc. shall be regularly monitored. The emissions shall conform to the limits imposed by SPCB.	**Complied** Regular work zone monitoring is being done in plant by inhouse and NABL/MoEF&CC approved lab. Latest Test Report is attached as **Annexure-XI.**
1.8.	The green belt has been developed in 4.5 ha within the plant premises mainly along the plant periphery and 200 ha of mangroves plantation in the Kachchh coast. Indigenous species shall only be	**Complied** <u>Greenbelt Development:</u> IFFCO Kandla Unit has developed green area inside and outside the IFFCO Plant.

<table>
<tr><th>Sr. No.</th><th>Environmental Conditions /Safeguards</th><th>Compliances</th></tr>
<tr><td></td><td>developed as part of greenbelt and non-indigenous / alien species shall be replaced with native species. No invasive or alien or non-native tree species shall be selected for plantation. PP shall develop at least 20 variety of species as a part of greenbelt. Selection of plant species shall be as per the CPCB guidelines in consultation with the State Forest Department and native species shall be developed. The budget earmarked for the plantation shall be kept in a separate account and should be audited annually. The PP shall annually submit the audited statement along with proof of activities viz. photographs (before & after with geo-location date & time), details of expert agency engaged, details of species planted, number of species planted, survival rate, density of plantation etc. to the Regional Office of MoEF&CC before 1st July of every year for the activities carried out during previous year.</td><td>Total green cover is approximately 90 Acres, and its details is given below:
<table><tr><td>Plant</td><td>Approximately 11 Acres</td></tr><tr><td>Township</td><td>Approximately 75 Acres</td></tr><tr><td>Gandhidham town</td><td>Approximately 4 Acres</td></tr></table>Photographs showing green area in plant area and Township is attached as Annexure-IX.
The green belt development is carried out in 200 ha of mangroves plantation in the Kandla creek at approx. 10 km north of IFFCO Kandla plant site.

Additionally, IFFCO has carried out green belt development in Pantiya Village of Kutch District with approx. 41736 no. of trees in the village (113 Acres area). Innumerous efforts have been made for green belt development in other areas also.

Also, total investment of Rs. 135.28 Lakhs has been made by IFFCO Kandla for development and Upkeep of Green Belt area during FY 2026-27 (Apr-2026 to Sep-2026) in Kandla plant and Township.</td></tr>
<tr><td>1.9.</td><td>A separate Environmental Management Cell (having qualified persons with Environmental Science/Environmental Engineering/specialization in the project area) equipped with full-fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions by engaging Unit Head- GM/DGM Manger (Lab) – Deputy Manager – Assistant manager Engineer lab. In addition to this, one safety & health officer as per the qualification given in Factories Act, 1948 shall be engaged within a month of grant of EC. The PP should annually submit the audited statement of amount spent towards the engagement of qualified persons in EMC along with details of person engaged to the Regional Office of MoEF&CC before 1st July of every year for the activities carried out during the previous year.</td><td>Complied.

Plant has an EMC & EHS cell to monitor the implementation of the EMP & EHS. Cell is chaired by the General Manager (Technical) under supervision of Unit Head.

Environment Management Cell is having four officials with other supporting members to operate and ensure EMP in the plant.

Plant has also established laboratory facilities in the plant for environment monitoring. Facilities for chemical analysis is set up in plant premises. Various quality monitoring instruments are available at Central Laboratory for analysis of raw materials, gaseous and liquid composition in the process and Final product.</td></tr>
</table>

Sr. No.	Environmental Conditions /Safeguards	Compliances
		Standard methods are used for collection of liquid and gaseous samples. All the relevant Environment and quality monitoring instruments are calibrated periodically through external agency / inhouse. Standard operating procedures for analysis of various parameters have been prepared and followed. IFFCO Kandla has spent Rs. 129.97 Lakhs towards engagement for qualified persons in EMC cell for FY 2026-27 (Apr-2026 to Sep-2026). Certified statement of the same is attached as **Annexure-IV.**
1.10.	The company shall comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, and risk mitigation measures relating to the project shall be implemented. The budget proposed for EMP Rs. 5769.07lakhs (Capital cost) and 3359.13 Lakhs per Annum (Recurring cost)] shall be kept in a separate account and should be audited annually. The PP should submit the annual audited statement along with proof of implementation of activities proposed under EMP duly supported by photographs (before & after with geo-location date & time) and other document as applicable to the Regional Office of MoEF&CC before 1st July of every year for the activities carried out during the previous year.	**Complied.** IFFCO Kandla has spent Rs. 447.64 Lakhs against various modifications for Environment Management during FY 2026-27 (Apr-2026 to Sep-2026). Certified statement of the same is attached as **Annexure-V.** Proof of implementation of activities proposed under EMP supported by photographs is attached as **Annexure-VI.** Also, total investment of Rs. 135.28 Lakhs has been made by IFFCO Kandla for development and Upkeep of Green Belt area during FY 2026-27 (Apr-2026 to Sep-2026) in Kandla plant and Township.
1.11.	All the hazardous waste shall be managed and disposed as per the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016. Hazardous waste such as Distillation Residue and Off Specification Products shall be either sent to common incineration site or send for coprocessing. Solid waste shall be segregated into dry and wet garbage at site in accordance to the Solid Waste Management Rules, 2016. Wet garbage shall be converted into	**Noted and complied.** All the hazardous waste has been managed and disposed of as per the HWM Rules 2016. Solid waste management system has been developed within the Plant site and Solid waste is segregated into dry and wet garbage at site in accordance to the Solid Waste Management Rules, 2016.

<table>
<tr><th>Sr. No.</th><th>Environmental Conditions /Safeguards</th><th>Compliances</th></tr>
<tr><td></td><td>compost and used as manure for greenbelt development.</td><td>Canteen and horticulture waste/Wet waste is converted into compost and used as manure for greenbelt development within the Plant premises.

Authorization from GPCB has been obtained for collection, treatment, storage and disposal of hazardous waste vide authorization no. AWH-113047 dated 14.03.2024 and valid upto 20.10.2028.</td></tr>
<tr><td>1.12.</td><td>The PP shall utilize modern technologies for capturing of carbon emitted and shall also develop carbon sink/carbon sequestration resources capable of capturing more than emitted. The implementation report shall be submitted to the IRO, MoEF&CC in this regard.</td><td>Complied

<u>Greenbelt Development:</u>
IFFCO Kandla Unit has developed green area inside and outside the IFFCO Plant. Total green cover is approximately 90 Acres, and its details is given below:
<table>
<tr><td>Plant</td><td>Approximately 11 Acres</td></tr>
<tr><td>Township</td><td>Approximately 75 Acres</td></tr>
<tr><td>Gandhidham town</td><td>Approximately 4 Acres</td></tr>
</table>
Photographs showing green area in plant area and Township is attached as Annexure-IX.

Additionally, IFFCO has carried out green belt development in Pantiya Village of Kutch District with approx. 41736 no. of trees in the village (113 Acres area). Innumerous efforts have been made for green belt development in other areas also.

<u>Renewable Energy Resources</u>
a). Solar roof top panels of total capacity 720 kWp have been installed at various buildings of Plant and Township (360 kWp each) at a cost of Rs. 4.66 crore. 441 MWh of power was generated by Solar roof top panels during the year FY 2026-27 (Apr-2026 to Sep-2026) (equivalent to 309 MT of CO_2 emission reduction @ 0.7 kg CO_2/kWh)
b). Electric vehicles and battery-operated trolleys are being utilized for material transport within plant premises.</td></tr>
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Sr. No.	Environmental Conditions /Safeguards	Compliances
		<u>Development of Nano Fertilizers</u> The newly proposed technology i.e., Nanotechnology is the latest development in R&D of IFFCO that has become proven to manufacture nano fertilisers without emitting pollution into environment and thereby will reduce carbon footprint. In this way, IFFCO Kandla is working for reducing overall carbon footprint.
1.13.	The project proponent shall comply with the environment norms for 'Fertilizer Industry' as notified by the Ministry of Environment, Forest and Climate Change, vide GSR 1607 (E), dated 29th December, 2017 under the provisions of the Environment (Protection) Rules, 1986.	**Complied** IFFCO Kandla unit complies with all environmental protection measures and safeguards for Chemical Fertilizer Industry as notified by the Ministry of Environment, Forest and Climate Change, vide GSR 1607 (E), dated 29.12.2017 under the provisions of the Environment (Protection) Rules, 1986. Emission from process stack and flue gas stack is under GPCB permissible limits. Continuous Emission Monitoring System (CEMS) is installed in the process and utility stacks for monitoring and emission parameter of process stack of NPK/DAP plant are uploaded on CPCB server on real time basis. Photographs of CPCB server data transfer are attached as **Annexure-VII**. Also, regular stack/vent monitoring is being done by inhouse and NABL/MoEFCC approved Lab. All the stacks/Vents are meeting the MoEFCC/GPCB/CPCB norms. Latest Test Report is attached as **Annexure-VIII.** Industrial wastewater along with effluent generated from the plant are being collected in the Central Sump of NPK/DAP Plant from where it is completely recycled/consumed in the scrubber process of NPK/DAP plant because NPK/DAP plant is negative water balance

Sr. No.	Environmental Conditions /Safeguards	Compliances
		plant. Hence, Kandla plant is Zero liquid effluent discharge (ZLD) based plant. Domestic sewage is treated in Sewage Treatment Plant, and the treated effluent is being used for horticultural purposes in the plant.
1.14.	All necessary precautions shall be taken to avoid accidents, and action plan shall be implemented for avoiding accidents. The PP shall implement the onsite/offsite emergency plan/mock drill etc. and mitigation measures as prescribed under the rules and guidelines issued in the Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989, as amended time to time, and the Chemical Accidents (Emergency Planning, Preparedness and Response) Rules, 1996. The occupier of new as well as expansion projects shall be required to comply with the provisions of the MSHIC Rules, 1989 including notifying their activities or seeking site approval from the concerned authorities, to address operational safety aspects. In doing so, various schedule, particularly Schedule-5 of the said rules may be referred.	**Complied** IFFCO Kandla is having full-fledged dedicated Fire and Safety department with qualified and experienced Fire Staff available round the clock to control/mitigate any emergency. No major accidents have been registered in the plant during the said period. Kandla Unit Achieved Safety Record of 1836 continuous accident-free days since 20.09.2021. All necessary precautions have been taken to avoid accidents, and action plan has been implemented for avoiding accidents. Mock drills are conducted on half yearly basis. Measures adopted to prevent disaster, disaster management planning, risk assessment have been addressed in onsite and offsite emergency plan of IFFCO - Kandla unit. Onsite emergency plan is attached as **Annexure-X(a)** and latest mock drill report is attached as **Annexure-X(b).**
1.15.	The volatile organic compounds (VOCs)/Fugitive emissions shall be controlled at 99.97 % with effective chillers/modern technology. Regular monitoring of VOCs shall be carried out.	**Complied** There are no Volatile organic compounds (VOCs) in the manufacturing process of the plant. Regular work zone monitoring is being done in plant by inhouse and NABL/MoEFCC approved lab. Latest Test Report is attached as **Annexure-XI.**
1.16.	The storage of toxic/hazardous raw material shall be bare minimum with respect to quantity and inventory. Quantity and days of storage shall be submitted to	**Complied** The toxic/hazardous raw materials are stored/ maintained with bare minimum with respect to quantity and inventory.

Sr. No.	Environmental Conditions /Safeguards	Compliances
	the Regional Office of Ministry and SPCB along with the compliance report.	Details of stock of toxic/hazardous raw materials with quantity attached as **Annexure-XII.**
1.17.	The occupational health centre for surveillance of the worker's health shall be set up. The health data shall be used in deploying the duties of the workers. All workers & employees shall be provided with required safety kits/mask for personal protection.	**Complied** Different plans and measures are adopted by the Plant to ensure the occupational health & safety of all contract workers. Occupational Health & Safety policy is developed at the plant. Pre-placement and periodical examination (Physical examination, Urine Routine examination, Hematology, LFT, Blood Sugar, chest x rays, Audiometry, Spirometry, Vision testing, ECG, etc.) of Staff and workers is being done by IFFCO to analyze the health status as per DGMS guideline. Record of the same has been maintained in the plant and submitted to the concerned department. The unit is having full-fledged Occupational Health Centre in the Factory and IFFCO-Kandla is also ISO 45001:2018 certified company.
1.18.	Training shall be imparted to all employees on safety and health aspects for handling chemicals. Safety and visual reality training shall be provided to employees. Action plan for mitigation measures shall be properly implemented based on the safety and risk assessment studies.	**Complied.** Yes, periodical training on various safety & health aspects of chemicals handling is being imparted to all employees. Details with photographs of training provided to employees is attached as **Annexure-XIII**.
1.19.	The storm water from the roof top shall be channelized through pipes to the storage tank constructed for harvesting of rain water in the premises and harvested water shall be used for various industrial processes in the unit. No recharge shall be permitted within the premises. Process effluent/ any wastewater shall not be allowed to mix with storm water.	**Complied.** No groundwater recharge is undertaken within the plant premises, as the plant is located adjacent Kandla creek where groundwater is highly saline and unsuitable for use or recharge. As an alternative, rainwater harvesting has been implemented at the IFFCO Udaynagar Township, Gandhidham, through two ponds of capacities 20,000 m^3 and 3,300 m^3.

Sr. No.	Environmental Conditions /Safeguards	Compliances
		Complete segregation is maintained - process effluent and wastewater are not allowed to mix with storm water. Independent and dedicated drainage systems for storm water and effluent streams are in place across the plant premises. Industrial wastewater along with effluent generated from the plant are being collected in the Central Sump of NPK/DAP Plant from where it is completely recycled/consumed in the scrubber process of NPK/DAP plant.
1.20.	The PP shall undertake waste minimization measures as below	**Complied**
	(a) Metering and control of quantities of active ingredients to minimize waste.	**a)** Specific vessels / tanks have Process & Instrument control valves for controlled use of active ingredients/chemicals and to minimize the waste.
	(b) Reuse of by-products from the process as raw materials or as raw material substitutes in other processes.	**b)** Industrial wastewater along with effluent generated from the plant are being collected in the Central Sump of NPK/DAP Plant from where it is completely recycled/consumed in the scrubber process of NPK/DAP plant because NPK/DAP plant is negative water balance plant.
	(c) Use of automated filling to minimize spillage.	**c)** IFFCO Kandla unit is having automatic weighing & filling system in product handling plant to minimize spillage.
	(d) Use of Close Feed system into batch reactors.	**d)** IFFCO Kandla is having close feed system in Pre-Neutralizer tanks at four streams of Kandla plant and Pipe reactors at two streams of Kandla plant.
	(e) Venting equipment through vapor recovery system.	**e)** APCS comprising of Cyclone and wet venturi scrubber is provided to each air pollution source at IFFCO Kandla for recovery of escaped NH_3 and particulate matter.
	(f) Use of high pressure-hoses for equipment cleaning to reduce wastewater generation.	**f)** High-pressure hoses are used for cleaning purposes and to reduce wastewater generation.
1.21.	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.	**Complied** Separate Bus/Car and Truck Loading Parking facility is provided in the plant for easy movement of vehicles. Approx. 10-20 trucks/day are used to transport Raw

Sr. No.	Environmental Conditions /Safeguards	Compliances
		material/finished products. Regular buses are operated by IFFCO in the evening and morning for pickup and drop of employees.
1.22.	Storage of raw materials shall be either in silos or in covered areas to prevent dust pollution and other fugitive emissions. All stockpiles should be constructed over impervious soil and garland drains with catch pits to trap runoff material shall be provided. Chemicals shall be stored in covered sheds and wind breaking walls/curtains shall be provided around biomass storage area to prevent its suspension during high wind speed. All Internal roads shall be paved. The Air Pollution Control System shall be interlocked with process plant/machinery for shutdown in case of operational failure of Air Pollution Control Equipment.	**Complied** Storage of solid raw materials is carried out in covered sheds to prevent dust pollution and control fugitive emissions. Liquid raw materials are stored in designated storage tanks circumferenced with dyke walls. All stockpiles are constructed over impervious soil with garland drains. The 1.5 m high RCC boundary wall has been provided around the RCC-floored coal storage area. All the internal roads are paved to control roadside particulate matter emission. The Air Pollution Control Systems are interlocked with process plant/machinery for shutdown in case of operational failure of Air Pollution Control Equipment.
1.23.	PP shall sensitize and create awareness among the people working within the project area as well as its surrounding area on the ban of Single Use Plastic in order to ensure the compliance of Notification published by MOEFCC on 12th August, 2021. A report along with photographs on the measures taken shall also be included in the six-monthly compliance report being submitted to concerned authority.	**Complied.** World Environment Day 2026 was celebrated at IFFCO Kandla on 5th June 2026 on the theme of “Now for Climate”. IFFCO Kandla regularly conducts environmental awareness programmes through initiatives such as World Environment Day celebrations and Swachhata Pakhwada to promote environmentally responsible practices and reduction of plastic pollution among employees and contract workmen. The report on Environment Awareness Programmes at IFFCO Kandla along with photographs is attached as **Annexure – XVIII**.

GENERAL CONDITIONS:

Sr. No.	Environmental Conditions /Safeguards	Compliances
1.1	No further expansion or modifications in the plant, other than mentioned in the EIA Notification, 2006 and its amendments, shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change/SEIAA, as applicable. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry/SEIAA, as applicable, to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.	**Noted and complied.**
1.2	The Project proponent shall strictly comply with the rules and guidelines issued under the Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989, as amended time to time, the Chemical Accidents (Emergency Planning, Preparedness and Response) Rules, 1996, and Hazardous and Other Wastes (Management and Trans-Boundary Movement) Rules, 2016 and other rules notified under various Acts.	**Noted and complied.** All relevant clauses of the Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989 are complied. IFFCO Kandla is having full-fledged dedicated Fire & Safety Department with qualified and experienced Fire Staff available round the clock to control/mitigate any emergency. Authorization from GPCB has been obtained for collection, treatment, storage and disposal of hazardous waste vide authorization no. AWH-113047 dated 14.03.2024 and valid upto 20.10.2028. Rules & guidelines under MSIHC Rules are strictly followed in the plant.
1.3	The energy source for lighting purpose shall be preferably LED based, or advanced having preference in energy conservation and environment betterment.	**Complied** All the energy sources for lighting purpose are LED based.
1.4	The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed	**Complied** All Machinery Equipment are such that noise levels are within permissible limits. Noise at the boundary of the plant is maintained less than 75 dB(A) during daytime and 70 dB(A) during night time.

Sr. No.	Environmental Conditions /Safeguards	Compliances
	under the Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).	Noise monitoring is being carried out periodically. Latest Noise monitoring report is attached as **Annexure-XIV.**
1.5	The company shall undertake all relevant measures for improving the socio-economic conditions of the surrounding area. The activities shall be undertaken by involving local villages and administration. The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.	**Complied** Eco-development is carried out by IFFCO through Indian Farm Forestry Development Cooperative Limited (IFFDC) by developing wastelands for tree plantation. Afforestation in about 29,420 hectares has been achieved in various states. Community welfare measures are undertaken at IFFCO through its Integrated Rural Development Program (IRDP) of village adoption for overall socio-economic development in rural areas. Villages in various states have been covered under this program. Eco development and community welfare is carried out at the corporate level in IFFCO.
1.6	The company shall earmark sufficient funds towards capital cost and recurring cost per annum to implement the conditions stipulated by the Ministry of Environment, Forest and Climate Change as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so earmarked for environment management/ pollution control measures shall not be diverted for any other purpose.	**Noted and complied.** Adequate funds to implement conditions stipulated by MoEF and GPCB have been provided for environmental protection. These funds are not diverted for any other purpose.
1.7	A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, Zilla Parishad/Municipal Corporation, Urban local Body and the local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal.	**Complied** There were no suggestions/ representations received from the concerned Panchayat, Zilla Parishad/Municipal Corporation, Urban local Body and the local NGO while processing the proposal. However, one copy each of Environment clearance letter has been given to District Collector, District Industry centre Bhuj, District Development Officer Bhuj, Taluka Development Officer Gandhidham, and IRO Gandhinagar. Copies of receipt of acknowledgement are attached as **Annexure-XV**.

<table>
<tr><th>Sr. No.</th><th>Environmental Conditions /Safeguards</th><th>Compliances</th></tr>
<tr><td>1.8</td><td>The project proponent shall also upload/submit six monthly reports on Parivesh Portal on the status of compliance of the stipulated Environmental Clearance conditions including results of monitored data to the respective Integrated Regional Office of MoEF&CC, the respective Zonal Office of CPCB and SPCB. A copy of Environmental Clearance and six-monthly compliance status report shall be posted on the website of the company.</td><td>Noted.

Six monthly compliance report is being regularly uploaded to the MoEF&CC/GPCB/CPCB. Same shall be uploaded on company website.</td></tr>
<tr><td>1.9</td><td>The environmental statement for each financial year ending 31st March in Form-V as is mandated shall be submitted to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the respective Integrated Regional Office of MoEF&CC by e-mail.</td><td>Complied

The environmental statement in Form-V has been submitted to GPCB and the same is uploaded on GPCB XGN portal and on IFFCO’s website www.iffco.in. A copy of the same has been sent to IRO-Gandhinagar by e-mail.

Form-V for the year FY 2025-26 is attached as Annexure-XVI.</td></tr>
<tr><td>1.10</td><td>The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB/Committee and may also be seen at Website of the Ministry and at https://parivesh.nic.in/. This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the concerned Regional Office of the Ministry.</td><td>Complied

The EC copy for proposed Nano NPK project was uploaded in MoEF Parivesh Portal on 18.11.2025.

The matter has been advertised in local newspapers in Gujarati and English for information to the public. Details of newspaper with publishing date is given in the table below:

<table>
<tr><th></th><th>Newspaper</th><th>Publishing Date</th></tr>
<tr><td rowspan="3">Gujarati Newspaper</td><td>Kutch Uday</td><td>27.11.2025</td></tr>
<tr><td>Gujarat Samachar</td><td>27.11.2025</td></tr>
<tr><td>Kutch Mitra</td><td>27.11.2025</td></tr>
<tr><td rowspan="2">English Newspaper</td><td>Times of India</td><td>28.11.2025</td></tr>
<tr><td>Indian Express</td><td>28.11.2025</td></tr>
</table>
Copy of the same has been forwarded to regional office of the Ministry. Copy of newspaper clippings is attached as Annexure-XVII.</td></tr>
</table>

Sr. No.	Environmental Conditions /Safeguards	Compliances
1.11	The project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.	**Noted and complied.**
1.12	This Environmental clearance is granted subject to final outcome of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, if any, as may be applicable to this project.	**Noted.**

सत्यमेव जयते

File No: J-11011/202/2009-IA II (I)
Government of India
Ministry of Environment, Forest and Climate Change
IA Division
***

Date **31/10/2025**

To,

Sh Arun Kumar Sharma
INDIAN FARMERS FERTILISER COOPERATIVE LIMITED
P.O. Box No. 12, Kutch- Kandla, Gujarat-370210, Kandla, KACHCHH, GUJARAT, 370210
opdayama@iffco.in

Subject: **Product mix change without increase in production capacity of Existing Fertilizer Plant for Manufacturing of Nano NPK Fertilizer (Nano Fertilizer), Kandla Plant at P.O. Box No. 12, Kandla, District-Kutch, Gujarat-320210 by M/s Indian Farmers Fertiliser Cooperative Limited (IFFCO) - Grant of prior Environmental Clearance (EC) to the proposed project under the provision of the EIA Notification 2006 -regarding.**

Sir/Madam,

This is in reference to your application submitted to MoEF&CC vide proposal number IA/GJ/IND3/546434/2025 dated 07/08/2025 for grant of prior Environmental Clearance (EC) to the proposed project under the provision of the EIA Notification 2006 and as amended thereof.

2. The particulars of the proposal are as below :

(i) EC Identification No.	EC25A1904GJ5173099N
(ii) File No.	J-11011/202/2009-IA II (I)
(iii) Clearance Type	Fresh EC
(iv) Category	A
(v) Project/Activity Included Schedule No.	5(a) Chemical fertilizers
(vi) Sector	Industrial Projects - 3
(vii) Name of Project	Product mix change without increase in production capacity of the existing fertilizer plant for manufacturing of Nano NPK Fertilizer (Nano Fertilizer), Kandla Plant located at P.O. Box No. 12, Kandla, District-Kutch, Gujarat by M/s Indian Farmers Fertiliz
(viii) Name of Company/Organization	INDIAN FARMERS FERTILISER COOPERATIVE LIMITED
(ix) Location of Project (District, State)	KACHCHH, GUJARAT

(x) Issuing Authority	MoEF&CC
(xi) Applicability of General Conditions as per EIA Notification, 2006	No

3. The Ministry of Environment Forest and Climate change has examined the proposal seeking Environmental Clearance for **"**Product mix change without increase in production capacity **of Existing Fertilizer Plant for Manufacturing of Nano NPK Fertilizer (Nano Fertilizer), Kandla Plant at P.O. Box No. 12, Kandla, District-Kutch, Gujarat by M/s Indian Farmers Fertiliser Cooperative Limited (IFFCO)".**

4. The project is covered under the Category A of item 5(a) of the Schedule of Environment Impact Assessment (EIA) Notification, 2006 (amended from time to time) as all chemical fertilizer projects are categories as category A and hence the proposal is appraised at the Central Level by the Expert Appraisal Committee (EAC).

5. The project proposal was considered by the Expert Appraisal Committee (Industry-3) in its 108th meeting held on 26/08/2025, the Project Proponent and the accredited Consultant namely M/s EQMS Global Pvt. Ltd. (NABET Accreditation No. NABET/EIA/2225/RA0303 valid till 23.11.2025), made a detailed presentation on the salient features of the project and informed that:

6. As the case will be appraised under para 7(ii)(a), standard ToR conditions are applicable and has been followed. Following the successful trial runs and favorable field performance of Nano Urea, and in light of the anticipated demand for Nano Di-Ammonium Phosphate (Nano-DAP), IFFCO proposed the establishment of a Nano-DAP Production Facility with a capacity of 36,500 KL per annum, equivalent to 43,000 MT of bulk product (considering the bulk density of Nano-DAP at 1.18 MT/m^3), within the existing premises of the IFFCO Kandla unit. The Environmental Clearance (EC) and Consent to Establish (CTE) for the Nano-DAP project were obtained from the MoEF&CC vide letter no. F. No. J-11011/202/2009-IA.II(I) dated 27.02.2024, and from the GPCB vide CTE no. 141112 dated 28.03.2025.

7. In parallel, acknowledging the growing national demand for customized nutrient blends and to reduce dependence on imported compound fertilizers, IFFCO has undertaken in-house R&D and successfully developed a Nano Granular NPK formulation (20:10:10). This nano formulation offers enhanced nutrient bioavailability of approximately 85–90%, leading to reduced application rates, improved nutrient use efficiency, lower input costs for farmers, and decreased subsidy burden on the Government. To manufacture Nano NPK within the existing premises, IFFCO proposes a modernization-cum-product mix change by utilizing and modifying the existing Zinc Sulphate Plant. For production of Nano NPK, the equipment's installed in Dry section of Zinc Sulphate Plant will be completely utilized and Equipment of Wet section for manufacturing of Zinc Sulphate plant will be replaced as per Nano NPK production requirement. The production of Zinc Sulphate will be discontinued after proposed modifications. The total production capacity of nano fertilizers (Nano-DAP + Nano-NPK) will remain within the approved limit of 43,000 MT (or 36,500 KL), with no increase in the permitted capacity. This proposal qualifies as a modernization and product mix change under the provisions of the EIA Notification, 2006, without any expansion of capacity or additional land requirement. Accordingly, this application seeks approval for the proposed modification in the product mix to allow production of Nano NPK in combination with Nano DAP, within the existing EC and CTE-approved total nano fertilizer production capacity.

8. Existing land area is 704153.64 Sqm. The proposed expansion is planned within the existing premises only. Details/Status of Land Ownership/Land Possession:

S No	**Plot no./ Survey no./Gat no.**	**Plot area (sq. m.)**	**Date of land allotment (if applicable)**	**Date of land Possession (if applicable)**	**Date of lease /sale deed / land transfer (if applicable)**	**Validity of lease/sale deed or possession certificate**	**Name on the lease/sale deed Or allotment/possession certificate**

1.	Multiple Khasra Number	704153.64 Sqm	25.09.1971	-	-	-	IFFCO

9. The details of products and capacity as under:

S. No.	Product	As per EC (MT/Annum)	Proposed/ Additional (MT/Annum)	After Modernization (MT/Annum)	Remark
1	NPK 10:26:26*	Fortified 0.5% Zn in NPK/DAP of Total Capacity of 10 Lac MT of P_2O_5	0	Fortified 0.5% Zn in NPK/DAP of Total Capacity of 10 Lac MT of P_2O_5	No Change
2	NPK 12:32:16*				
3	DAP 18:46*				
4	MAP 11:52				
5	MAP 12:61*				
6	Urea Phosphate (17:44)	15000 MT of Bulk Capacity	0	15000 MT of Bulk Capacity	No Change
7	NPK Products by mixing nutrient of potash				
8	NPK 19:19:19 NPK 12:30:15 NPK 12:32:14 NPK 18:18:18 (By Mixing of solid raw materials in rotary mixers only)	15000 MT	0	15000 MT	No Change
9	Zinc Sulphate Monohydrate	30000 MT of Bulk Capacity	(-)30000 MT of Bulk Capacity	0	Discontinued
10	Nano-DAP/ Nano-NPK**	36500 kL per year or 43,000 MT of Bulk capacity (Bulk Density of Nano DAP @ 1.18 MT/m^3)	0	36500 kL per year or 43,000 MT of Bulk capacity (Bulk Density of Nano DAP @ 1.18 MT/m^3)	Addition of Nano NPK which will be produced in Zinc Sulphate Plant by modification

**Different grades of NPK/DAP/MAP/NP shall be manufactured in the plant.*
***Total Production Capacity of Nano Fertilizer product will be limited to 43,000 MT.*

10. It is reported that there is no violation under EIA, 2006/court case/show cause/direction related to the project under consideration.

11. Ministry has granted Environmental Clearance vide F. No. J-11011/202/2009-IA.II(I) dated 13.05.2009. Consolidated Consent to Authorization (CC&A) Letter vide No. AWH-133047 dated 14.03.2024 valid upto 20.10.2028 and amendment in CCA Letter vide No. AWH-143597 dated 23.06.2025. Since, Zinc Sulphate Mono-Hydrate is an inorganic chemical, the product had been exempted from Environmental Clearance and the same has been confirmed by MoEF&CC vide File No. J-11011/359/2010-IA.II(I) dated 16.12.2010.

12. Ministry vide letter no. F. No. J-11011/202/2009-IA.II(I) dated 27.02.2024 has granted Environmental Clearance for manufacturing of Nano DAP.

13. Certified Compliance Report of granted Environmental Clearance has been obtained vide File No. J-11/8-2022-IROGNR dated 11.05.2025 from IRO, Gandhinagar. Site visit was carried out on 22.03.2025. It is reported that out of 29 conditions, 23 conditions are complied; 1 is partly complied; 3 are agreed to complied and 1 is noted by the unit.

The Committee noted that 1 partly complied point was reported by IRO i.e. implementation of action plan related to socio economic development. In response, PP submitted the audited statement of expenditure towards social activities. The Committee was satisfied with the response of PP.

14. **Details / Chronology of existing EC, CTO, CTE:**

S. No.	**Particulars**	**Details**
1.	Establishment of IFFCO, Kandla	24th June,1971
2.	Commissioning of A & B Streams	November, 1974
3.	Commissioning of C & D Streams	June-1981
4.	Environmental Clearance Granted for Kandla Phase-II expansion from 3.09 Lakh MTPA P2O5 to 5.19 Lakh MTPA P2O5	23rd April, 1996
5.	Commissioning of Kandla Phase-II Expansion (E & F Streams)	August, 1999
6.	Environmental Clearance Granted for *Expansion of Fertilizer Plant (5.19 Lakhs MTPA to 10.0 Lakh MTPA of P_2O_5)* vide F.No. J-11011/192/2007-IA II (I)	16th August 2007
7.	Latest Environmental Clearance Grant for *"Expansion of Fertilizer Plant by manufacturing Water Soluble Fertilizers"* vide F.no. J-11011/202/2009-IA. II(I)	13th May,2009

8.	Exemption of Environmental Clearance for *"Production of Zinc Sulphate (Monohydrate 33% Zinc, 30000 MTPY)"* vide F.No. J-11011/359/2010-IA. II(I).	16th December,2010
9.	Valid Amended Consolidated Consent and Authorization (CC&A Letter) vide *GPCB/CCA-KUTCH-1331/GPCBID48864* dated 29.03.2019 {valid upto 20.10.2023	29th March 2019
10.	Consolidated Consent to Authorization (CC&A) Letter vide No. AWH-133047 dated 14.03.2024 valid upto 20.10.2028	14th March, 2024
11.	Grant of Environmental Clearance for Nano DAP from the MoEF&CC vide letter no. F. No. J-11011/202/2009-IA.II(I) dated 27.02.2024	27th February, 2024
12.	Grant of Consent to Establish for Nano DAP vide CTE no. 141112 dated 28.03.2025	28th March, 2025
13	Grant of Amendment in Consolidated Consent to Authorization (CC&A) Letter vide No. AWH-143597 dated 23.06.2025 valid upto 20.10.2028	13th June, 2025

15. It is reported that there are no environmentally sensitive receptors (such as National Park, Wildlife Sanctuary, Elephant / Tiger Reserve, Migratory routes of Fauna and Wet Land) present within 10 km radius of the proposed project site. There are no State or National boundaries located in the study area. There are no defense installations present in the study area. However, the industry conducts several awareness, and protection drives by collaborating with Forest Department for conservation of animals around the project. Sakar river, Nakti Creek, Sara Creek, Sanu Creek, Phang Creek, and Kandla Creek are the main surface water bodies which are located within the study area. Sakar river is located about 8.06 km, SW, Natki Creek is located at 5.43 km, W, Sara Creek is located at about 4.91 km, N, Sanu Creek is located at about 6.5 km, N, Phang Creek is located about 3.5 Km, N and Kandla Creek is located about 10 m, E of the proposed project site. There are Mangroves present in the study area at distance of (0.7 Km, N, 4.61 Km, N, 3.50 Km, SW, 7.32 Km) of the project site. The conservation plan for Schedule I species has been submitted for approval to Chief Wildlife Warden, Gandhinagar, Gujarat with allocated budget of Rs 15.00 Lakhs. There are following Schedule-I species recorded within 10 km study area: *Hystrix indica*(Indian Crested Porcupine), *Pavo cristatus* (Indian Peafowl) & *Ptyas mucosus* (Indian Rat Snake).

16. Ambient air quality monitoring was carried out at seven locations during 1st December, 2024 to 28th February, 2025 and the baseline data indicates the ranges of concentrations as: PM10 (31.0 µg/m^3 to 86.1 µg/m^3), PM2.5 (17.7 µg/m^3 to 54.2 µg/m^3), SO2 (5.3 µg/m^3 to 15.1 µg/m^3) and NOx (10.5 µg/m^3-26.7 µg/m^3).

17. The existing freshwater requirement of the IFFCO Kandla unit is 1,132.5 KLD, comprising 230 KLD for domestic use and 902.5 KLD for industrial operations. Freshwater is sourced from the Gujarat Water Supply & Sewerage Board (GWSSB). As per the Environmental Clearance (EC) already granted, the total approved freshwater demand for the facility—including the Nano DAP plant—is 1,522.5 KLD. For the proposed Nano NPK plant, the additional water requirement is estimated at 150 KLD. However, this demand will be offset by the discontinuation of the Zinc Sulphate plant, which currently consumes an equivalent 150 KLD. Therefore, there will be no net increase in the total water demand of the facility. The total water requirement will remain within the EC-approved limit of 1,522.5 KLD, with no change in water source (GWSSB).

18. Water conservation remains a core operational priority at IFFCO Kandla, owing to its location in a water-scarce region. The facility follows a Zero Liquid Discharge (ZLD) policy, ensuring that no industrial effluent is discharged outside the premises. In the existing setup, industrial wastewater generation is minimal (124 KLD) and is collected in the

Central Sump of the NPK/DAP plant. This effluent is fully recycled within the process—primarily within the scrubber system—as the NPK/DAP plant operates under a negative water balance. Similarly, all plant and vessel washings are collected and recycled, avoiding any external effluent disposal. Domestic sewage (~200 KLD) is treated in the existing Sewage Treatment Plant (STP) of 250 KLD capacity, and the treated water is reused for horticultural purposes within the plant premises. Under the Nano DAP plant, an additional 35 KLD of wastewater is expected to be generated (Process & washing – 2 KLD, Cooling Tower Blowdown – 24 KLD, Domestic Sewage – 9 KLD). Process-related effluents and cooling blowdown will be routed to the Effluent Collection Pit and subsequently used in the NPK-II scrubber, maintaining the ZLD status. The 9 KLD of sewage will be treated in a proposed 10 KLD STP and reused for greenery development. For the proposed Nano NPK plant, 10 KLD of wastewater (from process and washing) will be generated. This will also be directed to the existing Effluent Collection Pit and reused in the scrubber area of the NPK-II plant. Since the Zinc Sulphate plant will be discontinued, the net wastewater generation will remain unchanged, within the approved limits. Accordingly, the total wastewater generation after modernization (including Nano DAP and Nano NPK) will be 359 KLD—comprising 150 KLD industrial effluent and 209 KLD domestic sewage—which remains within the approved quantity under the earlier Environmental Clearance.

19. The contract demand of power of the existing plant is 15.5 MVA which is sourced from PGVCL (formerly known as Gujarat Electricity Board- GEB). There are two DG Sets of capacity 2x1010 kVA for power backup. For the proposed Nano DAP and Nano NPK, about 3 MVA and 2 MVA of power, respectively will be required which will be met by existing power contract with PGVCL. The total contract power after modernization will remain the same as 15.5 MVA. An additional standby DG set of 1x300 kVA (240 kW) will be installed for proposed Nano DAP plant as a power backup.

20. The facility includes one 14 TPH coal-based boiler connected to a 51-meter-high common stack, equipped with an Electrostatic Precipitator (ESP) for air pollution control. In addition, one 16 TPH LSHS-based boiler is existing as a standby unit and one 6 TPH boiler as standby is under construction as per old EC. Furthermore, existing two indirect coal-fired Hot Air Generators (HAGs) are to supply hot air to the Nano NPK plant. These HAGs will be connected to a common 41-meter-high stack, with each HAG fitted with a dedicated ESP for emission control.

21. Details of fuel:

Particular	**Unit**	**As per EC**	**Proposed**	**After Modernization**
Contract Demand (Power)	MVA	15.5	0	15.5
Power Backup-DG Set	kVA	2x1010; 1x300	0	2x1010; 1x300
FUEL REQUIREMENTS				
Particular	Unit	As per CTO	Proposed	After Modernization
Coal*	MT/hr	12.96	0	12.96
**Approx. 72 MTPD of Coal will be required to be used in Hot Air Generator (HAG) to generate hot air for drying purpose.* **LSHS is used only when Hot Air Generator (HAG)for any train/Coal fired Boiler is under Preventive Maintenance. Fuel for stand-by boiler will be Diesel/Natural Gas. Being a stand-by boiler, fuel requirement will be minimum (It will be operated when whole plant required to be taken in shut-down).*				

22. Details of Flue Gas and Process emissions generation and its management:

S. No	**Stack**	**Stack Height (m)**	**APCS**	**Remark**
Existing				
Utilities				
1.	Boiler (Coal Based) – 14 TPH	51 m (Common Stack)	ESP	No Change

2.	Boiler (LSHS Based) – 16 TPH (standby)			
3.	Indirect Coal Fired Hot Air Generator for 2 Nos. providing hot air to Nano NPK Plant	41 m common stack for Both HAG	ESP individually for each HAG	Use for Nano NPK
4.	DG Sets (2 x 1010 kVA)	Stack height: 30 m	-	No Change
Process Emission				
5.	Reaction Vessel- Zinc Sulphate Plant	23	Scrubber	Discontinue
6.	Spray Dryer-1	30	Quadruple Cyclone with Scrubber	Use for Nano NPK
7.	Spray Dryer-2	30	Quadruple Cyclone with Scrubber	Use for Nano NPK
8.	6 Nos. Direct Coal Fired Hot Air Generator for providing Hot Air to NPK/DAP Plant (A, B, C, D, E & F Trains)	41 m for each train	Cyclone with wet scrubber	No Change
9.	De-dusting System Unit 2 &3	31 m	Scrubber	No Change
10.	De-dusting System Unit (3 nos.)	41 m	Scrubber	No Change
APPROVED IN LAST ENVIRONMENTAL CLEARANCE				
1.	DG Set (1x300 kVA)	4 m above roof level	Stack Height	No Change
One 6 TPH Boiler (Standby-under construction as per old EC)				

23. Details of Solid waste/ Hazardous waste generation and its management:

Sr. No	Type of waste	Category	Generation (MTPA)			Disposal Method	Storage area m^2
			As per EC	Proposed	Total after Modernization		
Hazardous Waste							
1	Used/spent oil	5.1	10	0	10	Reused in bagging machine for lubrication of slat conveyors or Collection, storage and selling out to registered re-cycler.	50
2	Chemical Sludge out of Zinc	I-6.1	1650	(-) 1650	0	Collection, storage and selling out to	1400

	Sulphate					registered re-cycler only.	
3	Zinc Ash (Contain 75% in Container 1)	IV	14550	(-)14550	0	Receiving storage and Recycling of ash as raw material in manufacturing of Zinc Sulphate Monohydrate	1500
4	Plastic waste generated include paint buckets, chemical drums, HDPE/LDPE Tarpaulin, discarded BOPP bags etc.	33.1	185	0	185	Plastic waste is being disposed to recycler.	--
5	Discarded Barrels/ Containers/ Liners pprox.ate with hazardous chemicals / wastes	33.1	15000 No. of HDPE Drums	0	15000 No. of HDPE Drums	Collection, Storage, Decontamination and sale to authorized decontamination facility/ authorized recycler.	--
6	Bags contaminated with hazardous chemicals / wastes	33.1	150 MT/Year HDPE Bags	0	150 MT/Year HDPE Bags	Collection, Storage, and sale to authorized recycler	--
Non-Hazardous/Industrial							
7	Ash from coal Based boiler	-	3200	0	3200	Used as filler in the plant	--
8	Scrap metals	-	1200	0	1200	Sent to recycler	--

24. Public Hearing is exempted as per Para 7(ii)(a) of the EIA Notification, 2006, through F. No. IA3-22/10/2022-IA.III [E 177258], dated April 11, 2022.

25. Details/Status of approved Wildlife Conservation Plan: The conservation plan for Schedule I species has been submitted for approval to Chief Wildlife Warden, Gandhinagar, Gujarat with allocated budget of Rs 15.00 Lakhs. There are following Schedule-I species recorded within 10 km study area: Hystrix indica (Indian Crested Porcupine), Pavo

cristatus (Indian Peafowl) & Ptyas mucosus (Indian Rat Snake).

26. It is reported that as per previous EC letter F. No. J-11011/202/2009-IA II (I) Dated: 27/02/2024, IFFCO Kandla has currently developed 44864 sq m (4.45ha) of green area in the existing premises. The industry has planted approx. 12210 nos. of trees inside the plant. IIFCO has developed approx. 200 ha of mangrove plantation i.e., approximately 2.84 times of plot area (70.415364 ha) of IFFCO Kandla Complex.

27. The current operational workforce at IFFCO Kandla comprises 2,062 personnel, including 462 permanent and 1,600 contractual workers, operating in three shifts. With the implementation of the Nano DAP plant, the total manpower is expected to increase to 2,404 (including both permanent and contractual employees). The proposed Nano NPK plant will not require any additional manpower, as the existing strength post-Nano DAP implementation will be sufficient to operate the facility efficiently.

28. The estimated project cost is Rs 1522.43 Crores including existing investment. IFFCO has spent Rs. 5769.07 Lakhs (Capital Cost) in the existing plant. Further in proposed expansion it is proposed to spend 1552.55 lakhs (Excluding CER) towards capital Environmental Expenditure. The breakup of capital and recurring cost is as follows:

Sr. No.	Particulars	Existing (In Rs. Lakhs)	Additional Cost planned in Nano DAP Plant -Capital Cost (In Rs lakhs)	Recurring Cost /year (In Rs lakhs)
1.	Air pollution control schemes	4591.13	235.55	2712.33
2.	Water pollution control schemes	272.05	31	85.26
3.	Solid Waste Management	92.91	0	18.87
4.	Occupational Health	89.92	0	384.62
5.	Rainwater Harvesting	176.33	0	1.5
6.	Greenbelt Development	153.56	386	148.91
7.	Solar Power Plant	393.17	900	7.64
Total		5769.07	1552.55	3359.13

29. PP submitted the following compliance under para 4 (i) to (viii) of OM dated 11th April, 2022 for expansion 7 (ii):

Sr. No.	Condition as per OM dated 11th April 2022	Compliance by the proposed proposal
i.	The project should have gone through the public hearing process, at least once, for its existing EC capacity on which expansion is being sought, except those categories of project which have been exempted as per para 7 III (i) of EIA notification 2006 and its amendments.	Complied. The latest public hearing for the project was carried out on 09.05.2023.

ii.	There should not be change in Category of the project from B2 to B1 or A due to proposed modernization or expansion.	Complied. The project falls under category A of schedule Item No 5(a) of the EIA notification. Post modernization it remains to be A category project under schedule Item No 5(a).
iii.	There is no additional land acquisition or forest land diversion involved for the proposed expansion or there is no increase in lease area with regards to mining vis-à-vis the area mentioned in the EC, based on which public hearing has been held earlier.	Complied. Proposed modernization is proposed within the existing plant premises. No additional land acquisition or forest land diversion is involved.
iv.	The proposed expansion shall not be more than 50% of the production capacity as mentioned in the prior EC, issued on the basis of public hearing held and the same shall be allowed in minimum three phases.	Complied. No changed in the approved capacity.
v.	Predict environmental quality parameters arising out of proposed expansion/modernization as per prescribed norms.	Complied. After proposed modernization, the environmental quality parameters will be within the prescribed norms.
vi.	The proposed expansion should not result in reduction in the greenbelt area as stipulated in the earlier EC, or if the existing ratio of greenbelt is more than 33%, after expansion it should not reduce below 33%.	Complied. The greenbelt of the project remains same as stipulated in the earlier EC.
vii.	The project proponent should have satisfactorily complied the conditions stipulated in the existing ECs) and satisfactorily fulfilled all the commitments made during the earlier public hearing/consultation proceedings and also the commitments given while granting previous expansion, as may be applicable. This shall be duly recorded in the certified compliance report issued by the IRO/CPCB/SPCB, which should not be more than one year old at the time of submission of application.	Complied. Certified compliance report has been received from IRO, MoEF&CC Office vide F No. J-11/8-2022-IROGNR dated 11.05.2025.
viii.	Public consultation shall be undertaken (if applicable as per	Not applicable.

	table below) by obtaining response in writing, as per para 7III (ii) (b) of EIA notification 2006, except those categories of projects which have been exempted as per para 7III (i) of EIA notification 2006 and its amendments.	
ix.	Effluent monitoring, including air quality monitoring systems as specified in the existing EC, if stipulated, should have been installed.	Complied.

30. **Deliberations by the EAC:**
The following points were discussed in the meeting:

i. PP informed that the industry will not manufacture zinc sulphate. The equipment of Zinc Sulphate plant will be utilized for manufacturing of Nano NPK product. Equipment of Wet section for manufacturing of Zinc Sulphate plant will be replaced as per Nano NPK production requirement. Existing Spray Dryer will be utilized for drying. Existing Indirect HAG will be utilized for hot air generation.

ii. The Committee suggested that proposed project will fall under the category of change in product mix without increasing the production capacity instead of modernization.

iii. PP submitted copy of Certified Compliance Report (CCR) issued by IRO Gandhinagar vide File No. J-11/8-2022-IROGNR dated 11.05.2025 wherein 01 condition is partly complied and 03 conditions are agreed to comply by the project proponent. PP submitted ATR report to the IRO vide letter dated 10.06.2025.

iv. PP committed to install bag filter as an air pollution control measure to the existing spray dryer and granulator and packaging unit.

v. PP submitted revised water balance including zinc sulphate balance, Nano NPK Plant balance and overall plant balance.

vi. PP submitted details of storm water management and layout plan of drainage. Storm water will be first collected in sump of capacity 2.50 m^3 and then pumped to a water pond (capacity: 900 m^3) by two sump pumps (each capacity:12 m^3 /hr) for storage of storm water. Storm water will not be mixed with industrial waste water in storm water drain network. IFFCO Kandla plant layout is having separate storm water drains which is regularly maintained and kept clean. Storm Water from the pond is recycled to NPK/DAP plant for utilization in scrubber area. At another location near ammonia storage area, storm water is collected in a sump with a capacity of 2.5 m^3 and is pumped directly to NPK/DAP plant by a pump of capacity 27 m^3/hr for utilization in scrubber area.

vii. PP submitted the industry's commitment to eradicate single use plastic within the plant premises.

viii. PP submitted audited sheet of CER and other activities carried out by the industry.

ix. PP proposed to install new solar roof top plant of total capacity 100kWp on the new expansion building. This will

reduce annual emission of CO_2 equivalent to 580 MT @ 0.7 kg CO_2/kWh.

x. PP revised the stack height of DG sets to 30 m.

xi. 12. PP informed that the plant is located beside the Kandla Creek. High salinity and sea water ingression in the project area has been noticed due to its closeness to Kandla Creek. Saltwater intrusion has occurred in coastal aquifers at some areas of the Kandla including IFFCO Plant area. The soil of the plant area is highly saline. Hence, the greenbelt development in the project area is a very tough task. However, IFFCO Kandla has currently developed 44864 sq m (4.45ha) of green area in the existing premises. The industry has planted approx. 12210 nos. of trees inside the plant. IIFCO had developed approx. 200 ha of mangrove plantation i.e., approximately 2.84 times of plot area (70.415364 ha) of IFFCO Kandla Complex.

xii. PP shall submit revised details of solid and hazardous waste generated from the proposed expansion.

The committee was satisfied with the response provided by PP on above information.

The EAC constituted under the provisions of the EIA Notification, 2006 comprising expert members /domain experts in various fields, examined the proposal submitted by the PP in desired format along with the EIA/EMP reports prepared and submitted by the Consultant accredited by the QCI/ NABET on behalf of the PP.

The EAC noted that the PP has given an undertaking that the data and information given in the application and enclosures are true to the best of his knowledge and belief and no information has been suppressed in the EIA/EMP reports. If any part of data/information submitted is found to be false/ misleading at any stage, the project will be rejected and Environmental Clearance given, if any, will be revoked at the risk and cost of the PP.

The EAC noted that the EIA reports are in compliance with the ToR issued for the project, reflecting the present environmental status and the projected scenario for all the environmental components. The EAC deliberated on the proposed mitigation measures towards Air, Water, Noise and Soil pollutions. The EAC advised that the storage of toxic/explosive raw materials/products shall be undertaken with utmost precautions and following the safety norms and best practices.

The EAC deliberated on the Onsite and Offsite Emergency plans and various mitigation measures to be proposed during the implementation also of the project and advised the PP to implement the provisions of the Rules and guidelines issued under the Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989, as amended time to time, and the Chemical Accidents (Emergency Planning, Preparedness and Response) Rules, 1996.

The EAC deliberated on the proposal with due diligence in the process as notified under the provisions of the EIA Notification, 2006, as amended from time to time and accordingly made the recommendations to the proposal. The expert members of the EAC found the proposal in order and recommended for grant of environmental clearance.

The EAC is of the view that its recommendation and grant of environmental clearance by the regulatory authority to the project/activity is strictly under the provisions of the EIA Notification 2006 and its subsequent amendments. It does not tantamount/construe to approvals/consent/permissions etc. required to be obtained or standards/conditions to be followed under any other Acts/ Rules/ Subordinate legislations, etc., as may be applicable to the project. The PP shall obtain necessary permission as mandated under the Water (Prevention and Control of Pollution) Act, 1974 and the Air

(Prevention and Control of Pollution) Act, 1981, as applicable from time to time, from the State Pollution Control Board, prior to construction & operation of the project.

31. Based on the proposal submitted by the PP and recommendations of the EAC, in its 108th EAC held on 26th August, 2025 (Industry-3 Sector), the Ministry of Environment, Forest and Climate Change hereby accords Environmental Clearance for **"Product mix change without increase in production capacity *of Existing Fertilizer Plant for Manufacturing of Nano NPK Fertilizer (Nano Fertilizer), Kandla Plant at P.O. Box No. 12, Kandla, District-Kutch, Gujarat-320210 by M/s Indian Farmers Fertiliser Cooperative Limited (IFFCO)"*** under the provisions of the EIA Notification 2006 and its subsequent amendments therein, subject to compliance of the Specific and General terms and conditions as mentioned at **Annexure-1**. The Ministry reserves the right to stipulate additional conditions, if found necessary at subsequent stages and the project proponent shall implement all the said conditions in a time bound manner. The Ministry may revoke or suspend the environmental clearance, if implementation of any of the above conditions is not found satisfactory.

32. The project proponent shall prominently advertise it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days indicating that the project has been accorded environment clearance and the details of MoEF&CC/SEIAA website where it is displayed.

33. 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.

34. The project proponent shall have a well laid down environmental policy duly approved by the Board of Directors (in case of Company) or competent authority, duly prescribing standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest / wildlife norms / conditions.

35. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the project proponent (during construction phase) and authorized entity mandated with compliance of conditions (during operational phase) shall be prepared. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Six monthly progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six-Monthly Compliance Report.

36. 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.

37. 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.

38. 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.

39. The above conditions will be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, the Hazardous Waste (Management, Handling and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991

read with subsequent amendments therein.

This issues with the approval of the Competent Authority.

Copy To

1. The Principal Secretary, Forests & Environment Department, Government of Gujarat, Sachivalaya, 8th Floor, Gandhi Nagar - 382 010 (Gujarat)
2. The Regional Officer, Ministry of Env., Forest and Climate Change, Integrated Regional Office, Gandhi Nagar, A wing- 407 & 409, Aranya Bhawan, Near CH-3 Circle, Sector-10 A, Gandhi Nagar-382010
3. The Chairman, Central Pollution Control Board Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, Delhi -32
4. The Member Secretary, Gujarat State Pollution Control Board, Paryavaran Bhawan, Sector 10 A, Gandhi Nagar-382 043 (Gujarat)

Monitoring Cell, Ministry of Environment, Forest and Climate Change, Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi

Annexure 1

Specific EC Conditions for (Chemical Fertilizers)

1. Specific Conditions

S. No	EC Conditions
1.1	The company shall comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, and risk mitigation measures relating to the project shall be implemented.
1.2	ESP alongwith Stack height of 51 m shall be provided to coal fired 14 TPH and LSHS fired boiler 16 TPH to control particulate emissions as per CPCB/SPCB norms; ESP along with Stack height of 41 m shall be provided to imported coal fired hot air generator (2 Nos); Stack height of 30 m shall be provided to DG set (2 x 1010 KVA) as per CPCB norms. Cyclone with scrubber along with stack height of 41 m shall be provided to 6 Nos Direct Coal Fired Hot air generator for providing Hot air to NPK/DAP plant (A, B, C, D, E & F). Scrubber along with 31 m and 41 m stack height shall be provided dedusting system unit 2 & 3 and dedusting system unit (3). Bagfilter alongwith stack of adequate height shall be provided to spray dyer along with granulator and bagging house.
1.3	Quadruple cyclones with scrubber system shall be provided to spray dryers (2 Nos) to control process emissions. Adequate two stage water and acidic scrubber system shall be provided to control process emissions i.e NH3. The scrubbing media shall be sent to effluent treatment plant (ETP) for treatment. Efficiency of scrubber shall be monitored regularly and maintained properly. At no time, the emission levels shall go beyond the prescribed standards.
1.4	Fresh water requirement shall not exceed 1522.5 KLD from Gujarat Water Supply & Sewerage Board source after proposed nano NPK plant.
1.5	NOC from the Concerned Water Authority shall be obtained before start of the construction of plant

S. No	EC Conditions
	and drawing water from water supply authority. State Pollution Control Board shall not issue the Consent to Operate (CTO) under Air (Prevention and Control of Pollution) Act and Water (Prevention and Control of Pollution) Act till the project proponent shall obtain such permission.
1.6	Industrial Effluent generation from nano NPK plant shall not exceed 124 KLD. Effluent shall be collected in the sump and collected effluent shall be recycled/reused in the manufacturing process of fertilizer. Domestic wastewater shall be treated in the STP and treated wastewater shall be recycled/reused for horticulture purpose. ZLD shall be maintained.
1.7	Fugitive emissions in the work zone environment, product, raw materials storage area etc. shall be regularly monitored. The emissions shall conform to the limits imposed by SPCB.
1.8	The green belt has been developed in 4.5 ha within the plant premises mainly along the plant periphery and 200 ha of mangroves plantation in the Kachchh coast. Indigenous species shall only be developed as part of greenbelt and non-indigenous / alien species shall be replaced with native species. No invasive or alien or non-native tree species shall be selected for plantation. PP shall develop at least 20 variety of species as a part of greenbelt. Selection of plant species shall be as per the CPCB guidelines in consultation with the State Forest Department and native species shall be developed. The budget earmarked for the plantation shall be kept in a separate account and should be audited annually. The PP shall annually submit the audited statement along with proof of activities viz. photographs (before & after with geo-location date & time), details of expert agency engaged, details of species planted, number of species planted, survival rate, density of plantation etc. to the Regional Office of MoEF&CC before 1st July of every year for the activities carried out during previous year.
1.9	A separate Environmental Management Cell (having qualified persons with Environmental Science/Environmental Engineering/specialization in the project area) equipped with full-fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions by engaging engaging Unit Head- GM/DGM Manger (Lab) – Deputy Manager – Assistant manger Engineer lab. In addition to this, one safety & health officer as per the qualification given in Factories Act, 1948 shall be engaged within a month of grant of EC. The PP should annually submit the audited statement of amount spent towards the engagement of qualified persons in EMC along with details of person engaged to the Regional Office of MoEF&CC before 1st July of every year for the activities carried out during the previous year.
1.10	The company shall comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, and risk mitigation measures relating to the project shall be implemented. The budget proposed for EMP Rs. 5769.07lakhs (Capital cost) and 3359.13 Lakhs per Annum (Recurring cost)] shall be kept in a separate account and should be audited annually. The PP should submit the annual audited statement along with proof of implementation of activities proposed under EMP duly supported by photographs (before & after with geo-location date & time) and other document as applicable to the Regional Office of MoEF&CC before 1st July of every year for the activities carried out during the previous year.
1.11	All the hazardous waste shall be managed and disposed as per the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016. Hazardous waste such as Distillation Residue and Off Specification Products shall be either sent to common incineration site or send for coprocessing. Solid waste shall be segregated into dry and wet garbage at site in accordance to the Solid Waste Management Rules, 2016. Wet garbage shall be converted into compost and used as

S. No	EC Conditions
	manure for greenbelt development.
1.12	The PP shall utilize modern technologies for capturing of carbon emitted and shall also develop carbon sink/carbon sequestration resources capable of capturing more than emitted. The implementation report shall be submitted to the IRO, MoEF&CC in this regard.
1.13	The project proponent shall comply with the environment norms for 'Fertilizer Industry' as notified by the Ministry of Environment, Forest and Climate Change, vide GSR 1607 (E), dated 29th December, 2017under the provisions of the Environment (Protection) Rules, 1986.
1.14	All necessary precautions shall be taken to avoid accidents and action plan shall be implemented for avoiding accidents. The PP shall implement the onsite/offsite emergency plan/mock drill etc. and mitigation measures as prescribed under the rules and guidelines issued in the Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989, as amended time to time, and the Chemical Accidents (Emergency Planning, Preparedness and Response) Rules, 1996. The occupier of new as well as expansion projects shall be required to comply with the provisions of the MSHIC Rules, 1989 including notifying their activities or seeking site approval from the concerned authorities, to address operational safety aspects. In doing so, various schedule, particularly Schedule-5 of the said rules may be referred.
1.15	The volatile organic compounds (VOCs)/Fugitive emissions shall be controlled at 99.97 % with effective chillers/modern technology. Regular monitoring of VOCs shall be carried out.
1.16	The storage of toxic/hazardous raw material shall be bare minimum with respect to quantity and inventory. Quantity and days of storage shall be submitted to the Regional Office of Ministry and SPCB along with the compliance report.
1.17	The occupational health centre for surveillance of the worker's health shall be set up. The health data shall be used in deploying the duties of the workers. All workers & employees shall be provided with required safety kits/mask for personal protection.
1.18	Training shall be imparted to all employees on safety and health aspects for handling chemicals. Safety and visual reality training shall be provided to employees. Action plan for mitigation measures shall be properly implemented based on the safety and risk assessment studies.
1.19	The storm water from the roof top shall be channelized through pipes to the storage tank constructed for harvesting of rain water in the premises and harvested water shall be used for various industrial processes in the unit. No recharge shall be permitted within the premises. Process effluent/ any wastewater shall not be allowed to mix with storm water.
1.20	The PP shall undertake waste minimization measures as below (a) Metering and control of quantities of active ingredients to minimize waste; (b) Reuse of by-products from the process as raw materials or as raw material substitutes in other processes. (c) Use of automated filling to minimize spillage. (d) Use of Close Feed system into batch reactors. (e) Venting equipment through vapor recovery system. (f) Use of high pressure-hoses for equipment cleaning to reduce wastewater generation.
1.21	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.

S. No	EC Conditions
1.22	Storage of raw materials shall be either in silos or in covered areas to prevent dust pollution and other fugitive emissions. All stockpiles should be constructed over impervious soil and garland drains with catch pits to trap runoff material shall be provided. Chemicals shall be stored in covered sheds and wind breaking walls/curtains shall be provided around biomass storage area to prevent its suspension during high wind speed. All Internal roads shall be paved. The Air Pollution Control System shall be interlocked with process plant/machinery for shutdown in case of operational failure of Air Pollution Control Equipment.
1.23	PP shall sensitize and create awareness among the people working within the project area as well as its surrounding area on the ban of Single Use Plastic in order to ensure the compliance of Notification published by MOEFCC on 12th August, 2021. A report along with photographs on the measures taken shall also be included in the six-monthly compliance report being submitted to concerned authority.

Standard EC Conditions for (Chemical fertilizers)

1.

S. No	EC Conditions
1.1	No further expansion or modifications in the plant, other than mentioned in the EIA Notification, 2006 and its amendments, shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change/SEIAA, as applicable. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry/SEIAA, as applicable, to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.
1.2	The Project proponent shall strictly comply with the rules and guidelines issued under the Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989, as amended time to time, the Chemical Accidents (Emergency Planning, Preparedness and Response) Rules, 1996, and Hazardous and Other Wastes (Management and Trans-Boundary Movement) Rules, 2016 and other rules notified under various Acts.
1.3	The energy source for lighting purpose shall be preferably LED based, or advanced having preference in energy conservation and environment betterment.
1.4	The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under the Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).
1.5	The company shall undertake all relevant measures for improving the socio-economic conditions of the surrounding area. The activities shall be undertaken by involving local villages and administration. The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.
1.6	The company shall earmark sufficient funds towards capital cost and recurring cost per annum to implement the conditions stipulated by the Ministry of Environment, Forest and Climate Change as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so earmarked for environment management/ pollution control measures

S. No	EC Conditions
	shall not be diverted for any other purpose.
1.7	A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, Zilla Parishad/Municipal Corporation, Urban local Body and the local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal.
1.8	The project proponent shall also upload/submit six monthly reports on Parivesh Portal on the status of compliance of the stipulated Environmental Clearance conditions including results of monitored data to the respective Integrated Regional Office of MoEF&CC, the respective Zonal Office of CPCB and SPCB. A copy of Environmental Clearance and six monthly compliance status report shall be posted on the website of the company.
1.9	The environmental statement for each financial year ending 31st March in Form-V as is mandated shall be submitted to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the respective Integrated Regional Office of MoEF&CC by e-mail.
1.10	The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB/Committee and may also be seen at Website of the Ministry and at https://parivesh.nic.in/. This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the concerned Regional Office of the Ministry.
1.11	The project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.
1.12	This Environmental clearance is granted subject to final outcome of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, if any, as may be applicable to this project.

Additional EC Conditions

N/A

Annexure 2

Details of the Project

S. No.	Particulars	Details
a.	Details of the Project	Product mix change without increase in production capacity of the existing fertilizer plant for manufacturing of Nano NPK Fertilizer (Nano Fertilizer), Kandla Plant located at P.O. Box No. 12, Kandla, District-Kutch, Gujarat by M/s Indian Farmers Fertiliz

<table>
<tr><th>S. No.</th><th>Particulars</th><th>Details</th></tr>
<tr><td>b.</td><td>Latitude and Longitude of the project site</td><td>23.03156887962971,70.21273188228426 23.0439826503307,70.2216025120881</td></tr>
<tr><td>c.</td><td>Land Requirement (in Ha) of the project or activity</td><td><table><tr><th>Nature of Land involved</th><th>Area in Ha</th></tr><tr><td>Non-Forest Land (A)</td><td>70.4153</td></tr><tr><td>Forest Land (B)</td><td>0</td></tr><tr><td>Total Land (A+B)</td><td>70.4153</td></tr></table></td></tr>
<tr><td>d.</td><td>Date of Public Consultation</td><td>Public consultation for the project was held on</td></tr>
<tr><td>e.</td><td>Rehabilitation and Resettlement (R&R) involvement</td><td>NO</td></tr>
<tr><td>f.</td><td>Project Cost (in lacs)</td><td>1832</td></tr>
<tr><td>g.</td><td>EMP Cost (in lacs)</td><td>1552.55</td></tr>
<tr><td>h.</td><td>Employment Details</td><td></td></tr>
</table>

GPCB

GUJARAT POLLUTION CONTROL BOARD

PARYAVARAN BHAVAN, SECTOR 10-A,
GANDHINAGAR - 382010,
(T) 079-23232152

By R.P.A.D ANNEXURE-II

In exercise of the power conferred under section-25 of the Water (Prevention and Control of Pollution) Act-1974, under section-21 of the Air (Prevention and Control of Pollution)-1981 and Authorization under rule 6(2) of the Hazardous and Other Waste (Management and Transboundary) Rules, 2016 framed under the Environmental (Protection) Act-1986.

And whereas Board has received consolidated consent application **inward No. 286523** dated **06/09/2023** for the **Renewal of Consolidated Consent and Authorization (CC&A)** of this Board under the provisions / rules of the aforesaid Acts. Consents &Authorization are hereby granted as under:

CONSENTS AND AUTHORISATION:
(Under the provisions /rules of the aforesaid environmental acts)

To,
M/s. IFFCO Ltd. (ID-17878),
Old Kandla, Kandla unit,
Tal: Gandhidham,
Dist: Kutch - 370 210.

1. **Consent Order No. AWH-133047 Date of issue: 14/03/2024.**
2. The consents shall be **valid upto 20/10/2028** for the use of outlet for the discharge of trade effluent and emission due to operation of industrial plant for manufacturing of the following items/ products:

SR. NO.	PRODUCT	TOTAL CAPACITY
1.	NPK: 10: 26: 26:	Fortified 0.5% Zn in NPK/ DAP of total capacity of 10 Lac MT of P2O5
2.	NPK: 12: 32: 16:	
3.	DAP: 18: 46	
4.	MAP: 11: 52	
5.	Urea phosphate: 17: 44	Total 15,000 MT (by mixing of solid raw material in rotary mixers only)
6.	NPK: 13: 19: 19	
7.	NPK: 12: 30: 15	
8.	NPK: 12: 32: 14	
9.	NPK: 18: 18: 18:	
10.	Zinc Sulphate Mono Hydrate	3000 MT of bulk capacity

Subject to specific condition:

1. Industry shall comply with all conditions of Environment Clearance issued by MoEF & CC, New Delhi vide order no. J-11011/202/2009-IA II (I) dated 13/05/2009.
2. Industry shall utilize fresh H2SO4 for the manufacturing of the zinc sulphate.
3. Industry shall submit Hazardous Waste annual return regularly.
4. Industry shall adopt & regularly use the online manifest system for procurement & disposal of Hazardous Waste.

5. There shall not be only mixing of raw material only there shall not be any specific chemicals reaction as well as no generation of gaseous emission & not any fuel is consumed for addition products.
6. Industry shall comply with CPCB guidelines for environmentally sound recycline of Hazardous Waste, 2010.
7. Industry shall not withdrawal ground water without prior NOC of CGWA as per order of Hon. National Green Tribunal.
8. Unit shall obtain fresh water from valid source have permission of the complete authority.
9. Industry shall strictly comply with the coal handling guideline of the Board.
10. Industry shall provide dedicated storage silo for storage of fly ash & ash shall be dispose off as per fly ash notification 1999 & as amended from time to time.
11. Industry shall dispose of fly ash as per CPCB guideline dated 28/08/2019 maintain complete records of fly ash generation and its disposal.
12. Industry shall take adequate measures to control fugitive emission due to storage, handling & transportation of coal, fly ash & solid waste etc.
13. Industry shall manage Solid Wastes generated from industrial activities as per Solid Waste Management Rules-2016 (solid waste as defined in Rule-3(46)).
14. As per Provisions of Rule 18 of Solid Waste Management Rules-2016 you are directed to make an arrangement in Utilities to replace at least five percent (5%) of your solid fuel requirement by 'refused derived fuel'.
15. Industry shall renew Public Liability Insurance Policy time to time & submit a copy of the same to this office.
16. Industry shall comply with PESO permission issued by competent authority and renew PESO permission time to time & submit a copy of the same to this office.
17. Industry shall comply with Manufacturing, Storage and Import of Hazardous Chemicals Rules – 1989 framed under the Environment (Protection) Act-1989 including site notification of competent authority for isolated storage & submit acknowledge copy of onsite emergency plan & third party safety audit report time to time.
18. Industry shall obtain registration with approved EPR action plan as per Plastic Waste Management Rules-2016 & comply with following conditions:
    a. Industry shall submit a copy of EPR action plan approved by competent authority along with EPR liability for state of Gujarat.
    b. Submit plan for compliance of the same with complete details regarding collection centers, mode of conveyance & disposal through registered recyclers/ re processors/ co processors.
    c. Submit quarterly compliance report against EPR liability for Gujarat regularly clearly indicating plastic waste collection centers, mode of transportation and disposal through recycler/ re-processor/ co-processor with all supporting documents.
    d. Comply with manifest system introduced by this Board. (Available on GPCB website) for the movement of plastic waste within and from State of Gujarat & submit copies of the same with quarterly compliance report.

GUJARAT POLLUTION CONTROL BOARD
PARYAVARAN BHAVAN, SECTOR 10-A,
GANDHINAGAR - 382010,
(T) 079-23232152

e. Purchase plastic raw material only from manufactures industry having valid registration under plastic rules, maintain its record and submit its report with quarterly compliance.

f. Maintain complete record about post-consumer waste and in-plant, plastic waste with clearly indicating quantity generated along with acknowledge of re-processor/ recycler about quantity.

3. CONDITIONS UNDER THE WATER ACT:

3.1 Source of Water: -GWSSB.

3.2 The quantity of the fresh water consumption for industrial purpose shall not exceed 902.5 KL/Day.

3.3 The quantity of the fresh water consumption for domestic purpose shall not exceed 230 KL/Day.

3.4 The quantity of the industrial effluent to be generated from the manufacturing process and other ancillary industrial operations shall not exceed 124 KL/Day.

3.5 The quantity of domestic waste water shall not exceed 200 KL/Day.

3.6 There shall be no industrial effluent discharge from unit, as entire Mother liquor solution shall be recycled or consumed in the main NPK/DAP process plant. Unit shall strict to zero liquid discharge & there shall not be any industrial waste water discharge within or outside premises in any case.

3.7 Industry shall provide fixed pipeline with flow meter for the reuse of effluent and maintain its record.

3.8 Sewage shall be treated separately to conform to the following standards as per Hon.ble NGT order in the matter of OA No.1069/2018 dated 30/04/2019

PARAMETERS	GPCB NORMS
pH	5.5-9.0
Biochemical Oxygen Demand (BOD)	10 mg/L
Total suspended solids (TSS)	20 mg/L
Chemical Oxygen Demand (COD)	50 mg/L
Nitrogen –Total	10 mg/L
Phosphorous-Total (for discharge into Ponds, Lakes)	1.0 mg/L
Fecal Coliform	Desirable-100 MPN/100ml Permissible -230 MPN/100 ml

3.9 Treated domestic effluent conforming to above standard shall be discharged on land for gardening and plantation purpose within premises only. In no case waste water shall be discharged outside premises.

3.10 Industry shall provide fixed pipeline network with flow meter for even distribution of treated domestic effluent and maintain its record.

3.11 Disposal system for storm water shall be provided separately. In no case storm water & sewage from port facility shall not be discharge into surface water.

4. Conditions under the Air Act-1981:

4.1. The following shall be used as a fuel in Boilers & Hag respectively:

Sr. No.	Name of Fuel	Quantity
1	Coal	12.96 MT/Hr

4.2. The applicant shall install & operate air pollution control system efficiently in order to achieve prescribed norms.

4.3. The flue gas emission through stack attached to Boilers & Hot Air Generators shall conform to the following standards;

Stack No	Stack attached to	Stack height	APCM	Parameter	Permissible limit
1.	Boiler (Coal/ LSHS based) (16 TPH, stand by)	51 m common stack	ESP	PM SO_2 NO_x	150 mg/NM^3 100 ppm 50 ppm
2.	Boiler (Coal based) (14 TPH)				
3.	Indirect coal fired Hot air generators (2 nos. for zinc sulphate plant)	41 m common stack	ESP for each stack		

4.4. The process gas emission through stack attached to HAG, du dusting units, reaction vessels & spray dryers shall conform to the following standards.

Sr.No	Stack attached to	Stack height	APCM	Parameter	Permissible limit
1.	Hot Air Generator (6 nos., direct coal fired) at NPK/DAP units) (A,B,C, D, E & F trains)	41 m of each stacks each drain	Cyclone with wet scrubber	PM NH_3 F	150 mg/NM^3 175 mg/NM^3 10 mg/NM^3
2.	De dusting unit 2 & 3	31 m	scrubber	PM	150 mg/NM^3
3.	Reaction Vessel-zinc sulphate plant	23 m	scrubber	Acid mist	50 mg/NM^3
4.	Spray Dryer-1	30 m	Quadruple cyclone + scrubber	PM	150 mg/NM^3
5.	Spray Dryer-2	30 m	Quadruple cyclone + scrubber	PM	150 mg/NM^3
6.	De-dusting system unit (3 nos.)	41 m each	wet scrubber	PM	150 mg/NM^3

4.5. The concentration of the following parameters in the ambient air within the premises of the industry shall not exceed the limits specified hereunder as per National Ambient Air Quality Standards issued by MoEF & CC dated 18th November-2009.In addition to following parameters Industry shall also carry out

GUJARAT POLLUTION CONTROL BOARD
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GANDHINAGAR - 382010,
(T) 079-23232152

AAQ monitoring of all other applicable parameter as per MoEF notification dated 18/11/2009 and submit the report to the Board.

Sr. No.	Pollutant	Time Weighted Average	Concentration in Ambient air in µg/M^3
1.	Sulphur Dioxide (SO_2)	Annual 24 Hours	50 80
2.	Nitrogen Dioxide (NO_2)	Annual 24 Hours	40 80
3.	Particulate Matter (Size less than 10 µm) or PM_{10}	Annual 24 Hours	60 100
4.	Particulate Matter (Size less than 2.5 µm) or $PM_{2.5}$	Annual 24 Hours	40 60

4.6. The applicant shall provide portholes, ladder, platform etc at chimney(s) for monitoring the air emissions and the same shall be open for inspection to/and for use of Board's staff. The chimney(s) vents attached to various sources of emission shall be designed by numbers such as S-1, S-2, etc. and these shall be painted/displayed to facilitate identification.

4.7. The industry shall take adequate measures for control of noise levels from its own sources within the premises so as to maintain ambient air quality standards in respect of noise to less than 75dB(A) during day time and70 dB (A) during night time. Daytime is reckoned in between 6a.m. and10 p.m. and nighttime is reckoned between 10 p.m. and 6 a.m.

4.8. **D.G. Sets Conditions**

The D.G. Set shall have acoustic enclosure and shall comply with the standards specified at Sr. no. 95 of Schedule-I of the rule-3 of E.P. Rules -1986 and Noise pollution level as per the Air Act-1981.

D.G. Sets standards:-

The flue gas emission through stack attached to D.G. Sets shall conform to the following standards.

a) The minimum height of stack to be provided with each of the generator set shall be H=h + 0.2 (KVA) 1/2, where H= Total stack height in meter, h= height of the building in meters where or by the side of which the generator set is installed.

b) Noise from DG set shall be controlled by providing an acoustic enclosure or by treating the room acoustically, at the users end.

c) The acoustic enclosure or acoustic treatment of the room shall be designed for minimum 25 dB (A) insertion loss or for meeting the ambient noise standards, whichever is on the higher side (if the actual ambient noise is on the higher side, it may not be possible to check the performance of the acoustic enclosure/ acoustic treatment. Such circumstances the performance may be checked for noise reduction up to actual ambient noise level, preferably, in the night time). The measurement for insertion loss may be done at different points at 0.5 m from the acoustic enclosure/room, and the averaged.

d) The D.G. Set shall be provided with proper exhaust muffler with insertion loss of minimum 25 dB (A).
e) All efforts shall be made to bring down the noise level due to the D.G. Set, outside the premises, within the ambient noise requirements by proper siting and control measures.
f) Installation of a D.G. Sets must be strictly in compliance with the recommendations of the D.G. Set manufacturer.
g) A proper routine and preventive maintenance procedure for the D.G. Set should be set and followed in consultation with the DG Set manufacture which would help prevent noise levels of the DG Set from deteriorating with use.

5. AUTHORIZATION as per HAZARDOUS AND OTHER WASTE (MANAGEMENT AND TRANSBOUNDARY) RULES, 2016 Form-2 [See rule 6 (2)]

Form for grant of authorization for occupier or operator handling Hazardous waste

5.1 Authorization order no:-**AWH-113047** Date of issue: 14/03/2024.

5.2 **M/s. IFFCO Ltd**, is hereby granted an authorization based on the enclosed signed inspection report for generation, collection, treatment, storage, transport of hazardous waste on the premises situated at old Kandla, Kandla unit, Tal: Gandhidham, Dist: Kutch.

Sr. No.	Waste	Quantity per Annum	Schedule/ Category	Facility
1.	Used Oil	10 MT	I-5.1	Collection, storage, Transportation, Disposal by selling out to registered recyclers.
2.	Chemical Sludge Out of zinc sulphate	1650 MT	I-6.1	Collection, storage, Transportation, Disposal by selling out to registered recyclers.
3.	Zinc Ash/ Skimming/ other zinc bearing waste arising from smelting & refining & zinc ash & residue including zinc alloys residues in dispersible form	9900 MT	IV	Procurement, Collection, storage, Transportation and Recycling of zinc ash as a raw material in manufacturing of zinc monohydrate.

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GANDHINAGAR - 382010,
(T) 079-23232152

5.3 The authorization shall be valid up to **20/10/2028.**

5.4 The authorization is subject to the conditions stated below and such other conditions as may be specified in the rules from time to time under the Environment (Protection) Act-1986.

5.5 The authorization is granted to operate a facility for collection, storage within factory premises transportation and ultimate disposal of Hazardous wastes as per condition no 5.2 to the industry having valid CCA of this Board.

5.6 **TERMS AND CONDITIONS OF AUTHORISATION**

1. The applicant shall comply with the provisions of the Environment (Protection) Act-1986 and the rules made there under.
2. The authorization or its renewal shall be produced for inspection at the request of an officer authorized by the Gujarat Pollution Control Board.
3. The persons authorized shall not rent, lend, sell, and transfer or otherwise transport the hazardous wastes without obtaining prior permission of the Gujarat Pollution Control Board.
4. Any unauthorized change in personnel, equipment or working conditions as mentioned in the authorization order by the persons authorized shall constitute a beach of this authorization.
5. The person authorized shall implement Emergency Response Procedure (ERP) for which this authorization is being granted considering all site specific possible scenarios such as spillages, leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at regular interval of time;
6. The person authorized shall comply with the provisions outlined in the Central Pollution Control Board guidelines on "Implementing Liabilities for Environmental Damages due to Handling and Disposal of Hazardous Wastes and Penalty"
7. It is the duty of the authorized person to take prior permission of the Gujarat Pollution Control Board to close down the facility.
8. An application for the renewal of an authorization shall be made as laid down in rules 6(2) under Hazardous and Other Waste Rules, 2016.
9. The imported hazardous and other wastes shall be fully insured for transit as well as for any accidental occurrence and its clean-up operation.
10. The record of consumption and fate of the imported hazardous and other wastes shall be maintained.
11. The hazardous and other wastes which gets generated during recycling or reuse or recovery or pre-processing or utilization of imported hazardous or other wastes shall be treated and disposed of as per specific conditions of authorization.
12. The importer or exporter shall bear the cost of import or export and mitigation of damages if any.
13. Any other conditions for compliance as per the Guidelines issued by the Ministry of Environment, Forest and Climate Change or Central Pollution Control Board from time to time.
14. The waste generator shall be totally responsible for (i.e. collection, storage, transportation and ultimate disposal) the wastes generated.
15. Records of waste generation, its management and annual return shall be submitted to Gujarat Pollution Control Board in Form-4 by 30th day of June of every year for the preceding period April to March.

16. In case of any accident, details of the same shall be submitted on Form-11 to Gujarat Pollution Control Board.
17. As per "Public Liability Insurance Act-91" company shall get Insurance Policy, if applicable.
18. Empty drums and containers of toxic and hazard material shall be treated as per guideline published for "Management & Handling of discarded containers". Records of the same shall be maintained and forwarded to Gujarat Pollution Control Board regularly.
19. In case of transport of hazardous wastes to a facility for (i.e. treatment, storage and disposal) existing in a State other than the State where hazardous wastes are generated, the occupier shall obtain 'No Objection Certificate' from the State Pollution Control Board or Committee of the concerned State of Union Territory Administration where the facility exists.
20. Unit shall take all concrete measures to show tangible results in waste generation, reduction, avoidance, reuse and recycle. Actions taken in this regard shall be submitted within three months and also along with Form-4.
21. Industry shall have to display the relevant information with regards to hazardous waste as indicated in the Hon. Supreme Court's Order in W.P. No.657 of 1995 dated 14th October, 2003.
22. Industry shall have to display on-line data outside the main factory gate with regard to quantity and nature of hazardous chemicals being handled in the plant, including wastewater and air emissions and solid hazardous wastes generated within the factory premises.

6. **SPECIFIC CONDITIONS:-**
   - 6.1 The authorized actual user of hazardous and other wastes shall maintain records of hazardous and other wastes purchased in a passbook issued by the State Pollution Control Board along with the authorization.
   - 6.2 Handling over of the hazardous and other wastes to the authorized actual user shall be only after making the entry in the passbook of the actual user.
   - 6.3 In case of renewal of authorization, a self-certified compliance report in respect of effluent, emission standards and the conditions specified in the authorization for hazardous and other wastes shall be submitted to SPCB.
   - 6.4 The occupier of the facility shall comply Standard operating procedure/guidelines published by MOEF&CC or CPCB or GPCB from time to time.
   - 6.5 Unit shall comply provisions of E-Waste Management Rules-2016.
   - 6.6 The disposal of Hazardous Waste shall be carried out as per the waste Management hierarchy.
   - 6.7 The occupiers of facilities shall not store the hazardous and other wastes for a period not exceeding **ninety days**. Prior permission of the Board shall be obtained for extension of the storage period.
   - 6.8 The occupier shall maintain the records of generation, sale, storage, transport, recycling, co processing and disposal of hazardous waste and make available during the inspection.
   - 6.9 The transportation of the hazardous waste shall be carried out in GPS mounted dedicated vehicles.

7. **GENERAL CONDITIONS: -**
   - 7.1 Any change in personnel, equipment or working conditions as mentioned in the consents form/order should immediately be intimated to this Board.

GUJARAT POLLUTION CONTROL BOARD
PARYAVARAN BHAVAN, SECTOR 10-A,
GANDHINAGAR - 382010,
(T) 079-23232152

7.2 Applicant shall also comply with the general conditions given in annexure I.

7.3 Whenever due to accident or other unforeseen act or ever, such emissions occur or is apprehended to occur in excess of standards laid down such information shall be forthwith reported to Board, concerned Police Station Office of Directorate of Health Service, Department of Explosives, Inspectorate of Factories and local body.

7.4 In case of failure of pollution control equipments, the production process connected to it shall be stopped. Remedial actions/measures shall be implemented immediately to bring entire situation normal.

7.5 The Environmental Management Unit/Cell shall be setup to ensure implementation on and monitoring of environmental safeguards and other conditions stipulated by statutory authorities. The Environmental Management Cell/Unit shall directly report to the Chief Executive of the organization and shall work as a focal point for internalizing environmental issues. These cells/units also coordinate the exercise of environmental audit and preparation of environmental statements.

7.6 The Environmental audit shall be carried out yearly and the environmental statements pertaining to the previous year shall be submitting to this State Board latest by 30th September every year.

7.7 The Board reserves the right to review and/or revoke the consent and/or make variations in the conditions, which the Board deems, fit in accordance with Section 27 of the Act.

7.8 In case of change of ownership/management the name and address of the new owners/ partners/directors/proprietor should immediately be intimated to the Board.

7.9 Industry shall have to display the relevant information with regard to hazardous waste as indicated in the Hon. Supreme order in w. p. no. 657 of 1995 dated 14th October 2003.

For and on behalf of
GUJARAT POLLUTION CONTROL BOARD

(T.C. Patel)
Unit Head

NO: PC/CCA-Kutch-84(20)/ GPCB ID-17878/ 797813 **Date:-** 2/4/24

Issued to:
M/s. IFFCO Ltd. (ID-17878),
Old Kandla, Kandla unit,
Tal: Gandhidham, Dist: Kutch - 370 210.

Annexure-III

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knd_proc/kandla/iffco
12/18/2010 09:35 AM

To
cc
bcc
Subject

Padam <pb.rastogi@nic.in>
12/16/2010 02:39 PM

To imurugappan@iffco.nic.in
cc nkverma@iffco.nic.in
Subject Manufacture of Zinc Sulphate (Monohydrate 33% Zinc, 30,000 MTPY) at Kandla, Kutchch District, Gujarat by M/s Indian Farmers Fertilizer Cooperative Limited (IFFCO) - reg.

F. No. J-11011/359/2010-IA II (I)
Government of India
Ministry of Environment and Forests
(I.A. Division)

Paryavaran Bhawan
CGO Complex, Lodhi Road
New Delhi – 110 003

E-mail : pb.rastogi@nic.in
Telefax : 011: 2436 7668
Dated 16th December, 2010

To

Shri L. Murugappan
Executive Director
M/s Indian Farmers Fertilizer Cooperative Limited (IFFCO)
District Kuutchh - 370201, Gujarat.

E-mail: imurugappan@iffco.nic.in; nkverma@iffco.nic.in;
Fax No.: 02836-270 642.

Subject: Manufacture of Zinc Sulphate (Monohydrate 33% Zinc, 30,000 MTPY) at Kandla, Kutchch District, Gujarat by M/s Indian Farmers Fertilizer Cooperative Limited (IFFCO) - reg.

Ref. : Your letter no. nil dated 15th July, 2010 and 18th November, 2010.

Sir

Kindly refer to Ministry's letter of even no. nil dated 15th July, 2010 wherein you have submitted a proposal for the Manufacture of Zinc Sulphate

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(Monohydrate 33% Zinc, 30,000 MTPY) at Kandla, Kutchch District, Gujarat.

2.0 The proposal was considered and discussed in the *15th Meeting of the Expert Appraisal Committee (Industry-2) held on 22nd–23rd October, 2010*. During deliberations, the Committee noted that proposal is for manufacturing of Zinc Sulphate (Monohydrate 33% Zinc, 30,000 MTPY) only, which is an inorganic chemical.

2.0 The matter was further examined in the Ministry. Since inorganic chemicals are not covered in the EIA Notification, 2006, the proposal is outside the purview of the environmental clearance under the EIA Notification, 2006. However, you are requested to kindly obtain requisite statutory clearances from the State Government and Gujarat State Pollution Control Board as deemed fit.

In view of the above, your ***file for the above mentioned proposal is closed and delisted from the Ministry's website*** .

(Dr. P. B. Rastogi)
Director

Copy to :

1. The Secretary, Department of Environment and Forests, Govt. of Gujarat, Gandhi Nagar, Gujarat.
2. The Chairman Gujarat Pollution Control Board, Paryavaran Bhawan, Sector 10-A, Gandhi Nagar – 382 010, Gujarat

(Dr. P. B Rastogi)
Director

Annexure-III

Minutes approved by the Chairman on 9th November, 2010

MINUTES FOR THE 15th MEETING OF THE EXPERT APPRAISAL COMMITTEE (INDUSTRY-2) HELD DURING 22nd /23rd OCTOBER, 2010

15.4.1 Manufacture of Zinc Sulphate (Monohydrate 33% Zinc, 30,000 MTPY) at Kandla, Kutch District, Gujarat by M/s Indian Farmers Fertilizer Cooperative Limited (IFFCO) (TORs)

The project authorities and their consultant gave a detailed presentation on the salient features of the project and proposed environmental protection measures to be undertaken. All the Fertilizer plants are listed at S.N. 5(a) under Category (A) and appraised at the Central level.

M/s Indian Farmers Fertilizer Cooperative Limited (IFFCO) have proposed for the Manufacture of Zinc Sulphate (Monohydrate 33% Zinc, 30,000 MTPY) at Kandla, Kutch District, Gujarat. Zinc Sulphate manufactured will be used as a micronutrient in soil. Fertilizer plant to manufacture bulk fertilizer (30 Lakh MTPM) is existing and environment clearance has been accorded for the expansion of fertilizer plants (5.19 to 10.0 Lakh TPA, P_2O5) vide letter no.J-11011/192/197-IA(II)-I dated 6.8.07. Compliance report is submitted. Consolidated Consented Authorization (CCA) for the existing plant has been accorded by the GPCB vide letter dated 8th November, 2008. Presently DAP and NPK fertilizers are manufactured. Kandla falls under seismic Zone V and necessary precaution will be taken during natural calamities. No protected areas, wildlife sanctuary, national parks are located within 15 km of the project site. The Great Rann of Kutch Bird Sanctuary for Flamingo is at 70 km. Military bases are located within 15 km radius. Total project area will be 3,000-3,500 sq. m. out of total 174 acres. Total cost of the project is Rs. 1600.00 Lakhs.

Zinc ash (65-75%, 14,500 MT) and Sulphuric Acid (16,500 MT) will be used as raw materials, which are hazardous chemicals.

Sulphuric Acid (98% cons.) will be fed into reaction vessel through pipeline from the Sulphuric Acid Storage tank and the Zn ash will be added to the reaction vessel. An agitator will be provided to agitate the Zn ash with Sulphuric acid to produce Zinc Sulphate Monohydrate. Vent and wet scrubber will absorb the H_2 gas liberated during the reaction. The slurry from the reactor will be fed to the filter press and filtrate will be pumped to the spray dryer for drying. The solid residue i.e. mud or spent wash will be

washed in mud washers. The weak liquid will be sent to reactors and mud for disposal. The product i.e. Zinc sulphate monohydrate will be sent for weighing and bagging.

Ambient air data for the period 2005-10 indicates that SPM (161-299 micro gm/m^3), SO_2 (7-12 micro gm/m^3), NOx (13-17micro gm/m^3), NH_3 (202-322 micro gm/m^3) and RSPM (100-120 micro gm/m^3) and are within GPCB limits. Scrubber will be provided to scrub fumes from the reaction vessel. No air emissions will be generated from the proposed plant. Solid escaping from dryer will be recorded by using cyclone separator where the fines will be collected and taken for bagging.

Total water requirement from existing water supply Gujarat Water Supply and Sewerage Board (GWSSB) will be 150 m^3/day. The effluent will be generated from the filter press and washing. The liquid effluent generated during scrubbing of H_2 gas, liquor generated during washing and cleaning etc. will be collected and reused in the system for the production of $ZnSO_4$. Thus, no effluent will be generated form the plant. Service water will be passed through oil separator to remove oil content in the effluent. Domestic Sewage will be treated in existing sewage treatment plant (STP). No effluent will be discharged outside the premises and Zero discharge will be adopted.

Spent ash (0.055 MT/MT of product) having Zinc (3-4%) Lead 5-7%) Iron (1-1.5%), Aluminium (1-1.5%) and rest as inert material will be generated and stored at designated place and disposed off through recycles. Waste / used / spent oil and used batteries will be sold to authorized recyclers / re-processors.

Green belt is already developed in 46% (80 acres) of total plant area of 174 acres. Power (1800 MWH) will be required. Fuel oil (5,400 kl) will be used as fuel. No increase in power demand or facility for the proposed plant will be required. Rain water recharging well have been constructed in township for the conservation of rain water.

After deliberations, the Committee noted that proposal is for manufacturing of Zinc Sulphate (Monohydrate 33% Zinc, 30,000 MTPY) which is an inorganic chemical and is not a fertilizer. Since inorganic chemicals are not covered in EIA Notification, 2006, proposal can not be considered for the environmental clearance and PAs may be asked to obtain other statutory clearances from the State Govt./SPCB. Proposal may be returned to the PAs.

ANNEXURE-IV

Environment management Cell (EMC) - IFFCO Kandla

Amount spent by IFFCO Kandla towards the engagement of qualified persons in EMC in FY 2026-27 (Apr-26 to Sep-26) is given in below table:

Sr. No.	Name	Designation	Qualification	Total Cost Incurred FY 2026-27 (Apr-26 to Sep-26) (Rs.in Lakh)
1	Shri Jitendra Singh	Jt. General Manager (Technical)	B E (Electronics)	42.19
2	Shri R R Shukla	Ch. Manager (Laboratory)	B Sc (Chemistry)	33.88
3	Shri Sukrit Srivastava	Sr. Manager (Process Engineering)	B Tech (Chemical)	25.56
4	Shri Sanghadip Bramhane	Sr. Engineer (Environment)	B Tech + M Tech (Environment Science)	3.09
5	Shri Naresh Dodiya	Ch. Chemist Gr-II	B Sc (Chemistry)	3.25
6	Shri Vinod Kariya	Ch. Chemist Gr-II	B Sc (Chemistry)	3.54
7	Shri Nilesh Shah	Ch. Chemist Gr-I	B Sc (Chemistry)	4.34
8	Shri Rikinkumar Patel	Sr. Chemist Gr-I	B Sc (Chemistry)	5.46
9	Shri Chirag Parmar	Chemist Gr-II	B Sc (Chemistry)	4.40
10	Shri Nirav Patel	Chemist Gr-II	B Sc (Chemistry)	4.25
			Total	**129.97**

JITENDRA SINGH
Jt. General Manager (Technical)
Indian Farmers Fertiliser Cooperative Limited
Kandla, Kachchh, Gujarat-370210

ANNEXURE-V

Amount spent by IFFCO Kandla against various modifications for Environment Management during FY 2026-27 (Apr-26 to Sep-26)

Sr. No.	Details of Modifications	Total Cost Incurred in FY 2026-27 (Apr-26 to Sep-26) (in Rs. Lakh)
1	Improvement of Nozzle Box of Cooler and Tail gas Separator in NPK-I	22
2	Revamping of Sulphuric Acid Storage Tank A	98.92
3	New Heat of Compression Dryer for IR B Air Compressor	203.94
4	Construction of Dyke Wall surrounding Phosphoric acid tanks G & H in K-II Area	122.78
	TOTAL	**447.64**

JITENDRA SINGH
Jt. General Manager (Technical)
Indian Farmers Fertiliser Cooperative Limited
Kandla, Kachchh, Gujarat-370210

1. Improvement of Nozzle Box of Cooler and Tail gas Separator in NPK-I

Before	After
Nozzle Box of Cooler Separator in NPK-I	Nozzle Box of Cooler Separator in NPK-I
Geo-Location (Latitude, Longitude)	**Geo-Location (Latitude, Longitude)**
23°02'03.5"N 70°13'09.7"E	23°02'03.5"N 70°13'09.7"E
	

2. Revamping of Sulphuric Acid Storage Tank-A

Geo-Location (Latitude, Longitude)
23°02'01.3"N, 70°13'14.9"E
Sulphuric Acid Storage Tank-A



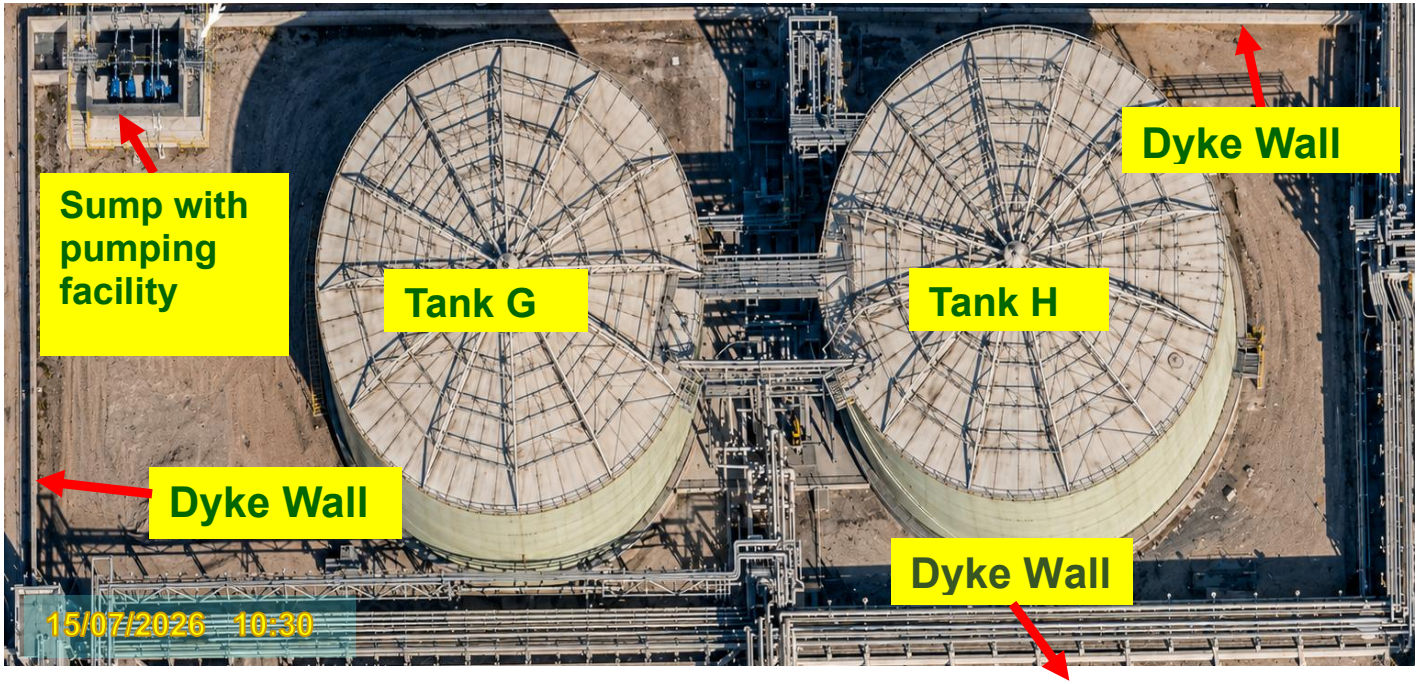
3. New Heat of Compression Dryer for IR B Air Compressor

Geo-Location (Latitude, Longitude)
23°02'02.4"N, 70°13'15.3"E
New HOC based Air Dryer



4. Construction of Dyke Wall surrounding Phosphoric acid tanks G & H in K-II Area

Geo-Location (Latitude, Longitude)
23°02'04.2"N, 70°12'56.0"E
Dyke Wall surrounding Phosphoric acid tanks G & H in K-II Area



ANNEXURE-VII

OCEMS Data Acquisition and Management System

Refresh

Login > Dashboard > Site Info

IFFCO Ltd. Kandla Unit (OD14GJ00945)

M/s IFFCO Ltd., Old Kandla, Kandla Unit, Tal: Gandhidham, Dist: Kutch, Pin:370210, Gujarat, Kandla, Gujarat, PIN - 370210

Fertilizer

Live

Live Readings | Emission | Effluent | All

Emission 8 | Effluent 1 | Total Stations 9

OD14GJ00945_Effluent_CENTRAL SUMP DISCHARGE

Flow Outlet - 0 m³/hr
Unit: - m³/hr
Prescribed Limit: m³/hr
Last Received: 12 Nov 2026, 10:30 AM
24 Hrs Avg: 0.0



View Data

OD14GJ00945_Emission_NPK-1_Stream_A

HF - 0.3 mg/Nm³
Unit: 0 - 10 mg/Nm³
Prescribed Limit: 10 mg/Nm³
Last Received: 12 Nov 2026, 09:45 AM
24 Hrs Avg: 0.26



View Data

Ammonia - 5.2 mg/Nm³
Unit: 0 - 175 mg/Nm³
Prescribed Limit: 175 mg/Nm³
Last Received: 12 Nov 2026, 09:45 AM
24 Hrs Avg: 4.76



View Data

OD14GJ00945_Emission_Stream_B

HF - 0.2 mg/Nm³
Unit: 0 - 10 mg/Nm³
Prescribed Limit: 10 mg/Nm³
Last Received: 12 Nov 2026, 09:45 AM
24 Hrs Avg: 0.28



View Data

Ammonia - 4.9 mg/Nm³
Unit: 0 - 175 mg/Nm³
Prescribed Limit: 175 mg/Nm³
Last Received: 12 Nov 2026, 09:45 AM
24 Hrs Avg: 3.39



View Data

OD14GJ00945_Emission_Stream_C

HF - 0.9 mg/Nm³
Unit: 0 - 10 mg/Nm³
Prescribed Limit: 10 mg/Nm³
Last Received: 12 Nov 2026, 09:45 AM
24 Hrs Avg: 0.96



View Data

Ammonia - 1.4 mg/Nm³
Unit: 0 - 175 mg/Nm³
Prescribed Limit: 175 mg/Nm³
Last Received: 12 Nov 2026, 09:45 AM
24 Hrs Avg: 17.24



View Data

OD14GJ00945_Emission_Stream_D

HF - 2.2 mg/Nm³
Unit: 0 - 10 mg/Nm³
Prescribed Limit: 10 mg/Nm³
Last Received: 12 Nov 2026, 09:45 AM
24 Hrs Avg: 1.21



View Data

Ammonia - 18.8 mg/Nm³
Unit: 0 - 175 mg/Nm³
Prescribed Limit: 175 mg/Nm³
Last Received: 12 Nov 2026, 09:45 AM
24 Hrs Avg: 24.07



View Data

OD14GJ00945_Emission_Stream_E

HF - 0.4 mg/Nm³
Unit: 0 - 10 mg/Nm³
Prescribed Limit: 10 mg/Nm³
Last Received: 12 Nov 2026, 10:00 AM
24 Hrs Avg: 0.51



View Data

Ammonia - 3.8 mg/Nm³
Unit: 0 - 175 mg/Nm³
Prescribed Limit: 175 mg/Nm³
Last Received: 12 Nov 2026, 10:00 AM
24 Hrs Avg: 10.11



View Data

OD14GJ00945_Emission_Stream_F

HF - 0.6 mg/Nm³
Unit: 0 - 10 mg/Nm³
Prescribed Limit: 10 mg/Nm³
Last Received: 12 Nov 2026, 10:00 AM
24 Hrs Avg: 0.6



View Data

Ammonia - 7.2 mg/Nm³
Unit: 0 - 175 mg/Nm³
Prescribed Limit: 175 mg/Nm³
Last Received: 12 Nov 2026, 10:00 AM
24 Hrs Avg: 5.81



View Data

Annexure VIII

Stride Green Technologies LLP

Test Report

F/OPN/06
Issue No.: 03
Page 1 of 1

Ambient Air Quality

Name and Address of Customer	**M/s. Indian Farmers Fertilizer Co. Ltd,** Kandla Unit, Kutch, 372010.		
Discipline	Chemical	Group	Atmospheric Pollution
Report No.	SGT/AA/05/032/26-27	Date of Issue	13/05/2026
Sample Description	Ambient Air	Sampling Location	Station – 1 (Ammonia atmospheric Tank)
Date and time of sampling start	05/05/2026 11:54 hrs.	Date and time of sampling stop	06/05/2026 11:54 hrs.
Sample Receipt Date	06/05/2026	Sampling By	SGT Team
Sampling Procedure	IS 5182	Sample ID	SGT/AA/05/032
Location of test performed	At Laboratory	Wind Direction	NE
		Wind Speed (m/s)	0.6 – 3.4
Environmental Condition during testing	25 ± 2 °C	Environmental Condition during sampling	Clear
Condition of sample during receipt	Satisfactory	Sampling plan	E/SYS/09
Test Start Date	07/05/2026	Test Completion date	07/05/2026

Test Results

Sr. No.	Parameters	Unit	Test Method	Results	Limit (as per GPCB)
1.	Particulate Matter (PM_{10})	µg/m³	IS 5182 (Part 23): 2006	68.9	100
2.	Particulate Matter ($PM_{2.5}$)	µg/m³	IS 5182 (Part24): 2019	40.2	60
3.	Sulphur Dioxide (SO_2)	µg/m³	IS 5182 (Part 2): 2001	20.6	80
4.	Oxides of Nitrogen (NO_x)	µg/m³	IS 5182 (Part 6): 2006	25.1	80
5.	Ammonia (NH_3)	µg/m³	IS 5182 (Part 19):1982	19.5	400

Remarks →

- Test Report shall not be reproduced except in full, without written approval of the Laboratory.
- Sample will be disposed after 15 days from the date of issue of the report unless agreed with the customer.
- Opinion & Interpretation is not given. Decision rule is not applicable.

Mr. Jignesh Prajapati	**Mr. Sandip Patel**
Chemist	**Technical Manager**
Tested By	**Reviewed and Approved By**

End of Test Report

Annexure VIII

Stride Green Technologies LLP

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Ambient Air Quality

Name and Address of Customer	**M/s. Indian Farmers Fertilizer Co. Ltd,** Kandla Unit, Kutch, 372010.		
Discipline	Chemical	Group	Atmospheric Pollution
Report No.	SGT/AA/05/030/26-27	Date of Issue	13/05/2026
Sample Description	Ambient Air	Sampling Location	Station – 2 (Nr. R & D Laboratory)
Date and time of sampling start	05/05/2026 11:00 hrs.	Date and time of sampling stop	06/05/2026 11:00 hrs.
Sample Receipt Date	06/05/2026	Sampling By	SGT Team
Sampling Procedure	IS 5182	Sample ID	SGT/AA/05/030
Location of test performed	At Laboratory	Wind Direction	NE
		Wind Speed (m/s)	0.6 – 3.4
Environmental Condition during testing	25 ± 2 °C	Environmental Condition during sampling	Clear
Condition of sample during receipt	Satisfactory	Sampling plan	E/SYS/09
Test Start Date	07/05/2026	Test Completion date	07/05/2026

Test Results

Sr. No.	Parameters	Unit	Test Method	Results	Limit (as per GPCB)
1.	Particulate Matter (PM_{10})	µg/m³	IS 5182 (Part 23): 2006	68.4	100
2.	Particulate Matter ($PM_{2.5}$)	µg/m³	IS 5182 (Part 24): 2019	35.1	60
3.	Sulphur Dioxide (SO_2)	µg/m³	IS 5182 (Part 2): 2001	17.6	80
4.	Oxides of Nitrogen (NO_x)	µg/m³	IS 5182 (Part 6): 2006	24.8	80
5.	Ammonia (NH_3)	µg/m³	IS 5182 (Part 19):1982	18.9	400

Remarks →

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- Opinion & Interpretation is not given. Decision rule is not applicable.

Mr. Jignesh Prajapati	**Mr. Sandip Patel**
Chemist	**Technical Manager**
Tested By	**Reviewed and Approved By**

Stride Green Technologies LLP

End of Test Report

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Ambient Air Quality

Name and Address of Customer	**M/s. Indian Farmers Fertilizer Co. Ltd,** Kandla Unit, Kutch, 372010.		
Discipline	Chemical	Group	Atmospheric Pollution
Report No.	SGT/AA/05/031/26-27	Date of Issue	13/05/2026
Sample Description	Ambient Air	Sampling Location	Station – 3 (Nr. Training Center)
Date and time of sampling start	05/05/2026 11:23 hrs.	Date and time of sampling stop	06/05/2026 11:23 hrs.
Sample Receipt Date	06/05/2026	Sampling By	SGT Team
Sampling Procedure	IS 5182	Sample ID	SGT/AA/05/031
Location of test performed	At Laboratory	Wind Direction	NE
		Wind Speed (m/s)	0.6 – 3.4
Environmental Condition during testing	25 ± 2 °C	Environmental Condition during sampling	Clear
Condition of sample during receipt	Satisfactory	Sampling plan	E/SYS/09
Test Start Date	07/05/2026	Test Completion date	07/05/2026

Test Results

Sr. No.	Parameters	Unit	Test Method	Results	Limit (as per GPCB)
1.	Particulate Matter (PM_{10})	$\mu g/m^3$	IS 5182 (Part 23): 2006	64.3	100
2.	Particulate Matter ($PM_{2.5}$)	$\mu g/m^3$	IS 5182 (Part24): 2019	35.0	60
3.	Sulphur Dioxide (SO_2)	$\mu g/m^3$	IS 5182 (Part 2): 2001	18.9	80
4.	Oxides of Nitrogen (NO_x)	$\mu g/m^3$	IS 5182 (Part 6): 2006	24.1	80
5.	Ammonia (NH_3)	$\mu g/m^3$	IS 5182 (Part 19):1982	15.8	400

Remarks →

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- Opinion & Interpretation is not given. Decision rule is not applicable.

Ms. Jignesh Prajapati	**Mr. Sandip Patel**
Chemist	**Technical Manager**
Tested By	**Reviewed and Approved By**

Stride Green Technologies LLP

---------- **End of Test Report** ----------

Annexure VIII

Stride Green Technologies LLP

Test Report

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Stack Analysis

Name and Address of Customer	**M/s. Indian Farmers Fertilizer Co. Ltd,** Kandla Unit, Kutch, 372010.		
Discipline	Chemical	Group	Atmospheric Pollution
Report No.	SGT/S/05/036/26-27	Date of Issue	13/05/2026
Sample Description	Flue Gas	Stack attached to	Boiler (14 TPH)
Date and time of sampling	06/05/2026 12:21 hrs.	Duration of sampling	40 min
Sample Receipt Date	06/05/2026	Sample ID	SGT/S/05/036
Fuel used	Coal	Stack gas Velocity in m/sec	7.89
Stack height in meter	51	Stack diameter in meter	1.5
Sampling Procedure	IS 11255	Sampling By	SGT Team
Stack temperature of Process Emission in °C	136	Ambient temperature in °C	37
Environmental Condition during testing	25 ± 2 °C	Location of test performed	At Laboratory
Condition of sample during receipt	Satisfactory	Sampling plan	E/SYS/09
Testing Test Start Date	06/05/2026	Testing Test End Date	07/05/2026

Test Results

Sr. No.	Parameters	Unit	Test Method	Results	Limits
1.	Particulate Matter	mg/Nm³	IS 11255 (Part 1) :1985	75.4	150
2.	Sulphur Dioxide (SO2)	ppm	IS 11255 (Part 2) :1985	44.2	100
3.	Oxide of Nitrogen (NOx)	ppm	IS 11255 (Part 7) :2005	25.8	50

Remarks →

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- Opinion & Interpretation is not given.
- Decision rule is not applicable.

Mr. Jignesh Prajapati	**Mr. Sandip Patel**
Chemist	**Technical Manager**
Tested By	**Reviewed and Approved By**

---------- End of Test Report ----------

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Stride Green Technologies LLP

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Stack Analysis

Name and Address of Customer	**M/s. Indian Farmers Fertilizer Co. Ltd,** Kandla Unit, Kutch, 372010.		
Discipline	Chemical	Group	Atmospheric Pollution
Report No.	SGT/S/05/020/26-27	Date of Issue	13/05/2026
Sample Description	Process Stack	Stack attached to	NPK Process (Stack – A)
Date and time of sampling	05/05/2026 09:42 hrs.	Duration of sampling	30 min
Sample Receipt Date	05/05/2026	Sample ID	SGT/S/05/020
Fuel used	NA	Stack gas Velocity in m/sec	8.60
Stack height in meter	41	Stack diameter in meter	2.8
Sampling Procedure	IS 11255	Sampling By	SGT Team
Stack temperature of Process Emission in °C	58	Ambient temperature in °C	32
Environmental Condition during testing	25 ± 2 °C	Location of test performed	At Laboratory
Condition of sample during receipt	Satisfactory	Sampling plan	E/SYS/09
Testing Test Start Date	06/05/2026	Testing Test End Date	07/05/2026

Test Results

Sr. No.	Parameters	Unit	Test Method	Results	Limits
1.	Particulate Matter	mg/Nm^3	IS 11255 (Part 1) :1985	72.1	150
2.	Ammonia (NH_3)	mg/Nm^3	IS 11255 (Part 6) :1999	27.8	175

Remarks →

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- Opinion & Interpretation is not given.
- Decision rule is not applicable.

Mr. Jignesh Prajapati	**Mr. Sandip Patel**
Chemist	**Technical Manager**
Tested By	**Reviewed and Approved By**

---------- End of Test Report ----------

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Stride Green Technologies LLP

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Stack Analysis

Name and Address of Customer	**M/s. Indian Farmers Fertilizer Co. Ltd,** Kandla Unit, Kutch, 372010.		
Discipline	Chemical	Group	Atmospheric Pollution
Report No.	SGT/S/05/020-A/26-27	Date of Issue	13/05/2026
Sample Description	Process Stack	Stack attached to	NPK Process (Stack – A)
ate and time of sampling	05/05/2026 09:42 hrs.	Duration of sampling	30 min
Sample Receipt Date	05/05/2026	Sample ID	SGT/S/05/020-A
Fuel used	NA	Stack gas Velocity in m/sec	8.60
Stack height in meter	41	Stack diameter in meter	2.8
Sampling Procedure	IS 11255	Sampling By	SGT Team
Stack temperature of Process Emission in °C	58	Ambient temperature in °C	32
Environmental Condition during testing	25 ± 2 °C	Location of test performed	At Laboratory
Condition of sample during receipt	Satisfactory	Sampling plan	E/SYS/09
Testing Test Start Date	06/05/2026	Testing Test End Date	07/05/2026

Test Results

Sr. No.	Parameters	Unit	Test Method	Results	Limits as per GPCB
1.	Fluoride	mg/Nm^3	IS 11255 (Part 5) :1990	2.10	10

Remarks →

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- Opinion & Interpretation is not given.
- Decision rule is not applicable.

Mr. Jignesh Prajapati	**Mr. Sandip Patel**
Chemist	**Technical Manager**
Tested By	**Reviewed and Approved By**

---------- End of Test Report ----------

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Stack Analysis

Name and Address of Customer	**M/s. Indian Farmers Fertilizer Co. Ltd,** Kandla Unit, Kutch, 372010.		
Discipline	Chemical	Group	Atmospheric Pollution
Report No.	SGT/S/05/022/26-27	Date of Issue	13/05/2026
ample Description	Process Stack	Stack attached to	NPK Process (Stack – C)
Date and time of sampling	05/05/2026 11:18 hrs.	Duration of sampling	30 min
Sample Receipt Date	05/05/2026	Sample ID	SGT/S/05/022
Fuel used	NA	Stack gas Velocity in m/sec	8.67
Stack height in meter	41	Stack diameter in meter	2.8
Sampling Procedure	IS 11255	Sampling By	SGT Team
Stack temperature of Process Emission in °C	58	Ambient temperature in °C	35
Environmental Condition during testing	25 ± 2 °C	Location of test performed	At Laboratory
Condition of sample during receipt	Satisfactory	Sampling plan	E/SYS/09
Testing Test Start Date	06/05/2026	Testing Test End Date	07/05/2026

Test Results

Sr. No.	Parameters	Unit	Test Method	Results	Limits
1.	Particulate Matter	mg/Nm^3	IS 11255 (Part 1) :1985	62.8	150
2.	Ammonia (NH_3)	mg/Nm^3	IS 11255 (Part 6) :1999	23.7	175

Remarks →

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- Opinion & Interpretation is not given.
- Decision rule is not applicable.

Mr. Jignesh Prajapati	**Mr. Sandip Patel**
Chemist	**Technical Manager**
Tested By	**Reviewed and Approved By**

End of Test Report

Annexure VIII

Stride Green Technologies LLP

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Stack Analysis

Name and Address of Customer	**M/s. Indian Farmers Fertilizer Co. Ltd,** Kandla Unit, Kutch, 372010.		
Discipline	Chemical	Group	Atmospheric Pollution
Report No.	SGT/S/05/022-A/26-27	Date of Issue	13/05/2026
Sample Description	Process Stack	Stack attached to	NPK Process (Stack – C)
Date and time of sampling	05/05/2026 11:18 hrs.	Duration of sampling	30 min
Sample Receipt Date	05/05/2026	Sample ID	SGT/S/05/022-A
Fuel used	NA	Stack gas Velocity in m/sec	8.67
Stack height in meter	41	Stack diameter in meter	2.8
Sampling Procedure	IS 11255	Sampling By	SGT Team
Stack temperature of Process Emission in °C	58	Ambient temperature in °C	35
Environmental Condition during testing	25 ± 2 °C	Location of test performed	At Laboratory
Condition of sample during receipt	Satisfactory	Sampling plan	E/SYS/09
Testing Test Start Date	06/05/2026	Testing Test End Date	07/05/2026

Test Results

Sr. No.	Parameters	Unit	Test Method	Results	Limits as per GPCB
1.	Fluoride	mg/Nm^3	IS 11255 (Part 5) :1990	1.18	10

Remarks →

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- Opinion & Interpretation is not given.
- Decision rule is not applicable.

Mr. Jignesh Prajapati	**Mr. Sandip Patel**
Chemist	**Technical Manager**
Tested By	**Reviewed and Approved By**

Stride Green Technologies LLP

End of Test Report

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Stride Green Technologies LLP

Test Report

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Stack Analysis

Name and Address of Customer	**M/s. Indian Farmers Fertilizer Co. Ltd,** Kandla Unit, Kutch, 372010.		
Discipline	Chemical	Group	Atmospheric Pollution
Report No.	SGT/S/05/023/26-27	Date of Issue	13/05/2026
Sample Description	Process Stack	Stack attached to	NPK Process (Stack – D)
Date and time of sampling	05/05/2026 11:59 hrs.	Duration of sampling	30 min
Sample Receipt Date	05/05/2026	Sample ID	SGT/S/05/023
Fuel used	NA	Stack gas Velocity in m/sec	8.89
Stack height in meter	41	Stack diameter in meter	2.8
Sampling Procedure	IS 11255	Sampling By	SGT Team
Stack temperature of Process Emission in °C	60	Ambient temperature in °C	35
Environmental Condition during testing	25 ± 2 °C	Location of test performed	At Laboratory
Condition of sample during receipt	Satisfactory	Sampling plan	E/SYS/09
Testing Test Start Date	06/05/2026	Testing Test End Date	07/05/2026

Test Results

Sr. No.	Parameters	Unit	Test Method	Results	Limits
1.	Particulate Matter	mg/Nm^3	IS 11255 (Part 1) :1985	68.2	150
2.	Ammonia (NH_3)	mg/Nm^3	IS 11255 (Part 6) :1999	22.7	175

Remarks →

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- Sample will be disposed after 15 days from the date of issue of the report unless agreed with the customer.
- Opinion & Interpretation is not given.
- Decision rule is not applicable.

Mr. Jignesh Prajapati	**Mr. Sandip Patel**
Chemist	**Technical Manager**
Tested By	**Reviewed and Approved By**

End of Test Report

Annexure VIII

Stride Green Technologies LLP

Test Report

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Stack Analysis

Name and Address of Customer	**M/s. Indian Farmers Fertilizer Co. Ltd,** Kandla Unit, Kutch, 372010.		
Discipline	Chemical	Group	Atmospheric Pollution
Report No.	SGT/S/05/023-A/26-27	Date of Issue	13/05/2026
Sample Description	Process Stack	Stack attached to	NPK Process (Stack – D)
Date and time of sampling	05/05/2026 11:59 hrs.	Duration of sampling	30 min
Sample Receipt Date	05/05/2026	Sample ID	SGT/S/05/023-A
Fuel used	NA	Stack gas Velocity in m/sec	8.89
Stack height in meter	41	Stack diameter in meter	2.8
Sampling Procedure	IS 11255	Sampling By	SGT Team
Stack temperature of Process Emission in °C	60	Ambient temperature in °C	35
Environmental Condition during testing	25 ± 2 °C	Location of test performed	At Laboratory
Condition of sample during receipt	Satisfactory	Sampling plan	E/SYS/09
Testing Test Start Date	06/05/2026	Testing Test End Date	07/05/2026

Test Results

Sr. No.	Parameters	Unit	Test Method	Results	Limits as per GPCB
1.	Fluoride	mg/Nm^3	IS 11255 (Part 5) :1990	1.08	10

Remarks →

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- Opinion & Interpretation is not given.
- Decision rule is not applicable.

Mr. Jignesh Prajapati	**Mr. Sandip Patel**
Chemist	**Technical Manager**
Tested By	**Reviewed and Approved By**

Stride Green Technologies LLP

---------- End of Test Report ----------

Annexure VIII

Stride Green Technologies LLP

Test Report

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Stack Analysis

Name and Address of Customer	**M/s. Indian Farmers Fertilizer Co. Ltd.** Kandla Unit, Kutch, 372010.		
Discipline	Chemical	Group	Atmospheric Pollution
Report No.	SGT/S/05/025/26-27	Date of Issue	13/05/2026
Sample Description	Process Stack	Stack attached to	NPK Process (Stack – F)
Date and time of sampling	05/05/2026 13:51 hrs.	Duration of sampling	30 min
Sample Receipt Date	05/05/2026	Sample ID	SGT/S/05/025
Fuel used	NA	Stack gas Velocity in m/sec	8.93
Stack height in meter	41	Stack diameter in meter	2.8
Sampling Procedure	IS 11255	Sampling By	SGT Team
Stack temperature of Process Emission in °C	62	Ambient temperature in °C	40
Environmental Condition during testing	25 ± 2 °C	Location of test performed	At Laboratory
Condition of sample during receipt	Satisfactory	Sampling plan	E/SYS/09
Testing Test Start Date	06/05/2026	Testing Test End Date	07/05/2026

Test Results

Sr. No.	Parameters	Unit	Test Method	Results	Limits
1.	Particulate Matter	mg/Nm^3	IS 11255 (Part 1) :1985	70.2	150
2.	Ammonia (NH_3)	mg/Nm^3	IS 11255 (Part 6) :1999	25.1	175

Remarks →

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- Sample will be disposed after 15 days from the date of issue of the report unless agreed with the customer.
- Opinion & Interpretation is not given.
- Decision rule is not applicable.

Mr. Jignesh Prajapati	**Mr. Sandip Patel**
Chemist	**Technical Manager**
Tested By	**Reviewed and Approved By**

---------- End of Test Report ----------

Annexure VIII

Stride Green Technologies LLP

Test Report

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Page 1 of 1

Stack Analysis

Name and Address of Customer	**M/s. Indian Farmers Fertilizer Co. Ltd.** Kandla Unit, Kutch, 372010.		
Discipline	Chemical	Group	Atmospheric Pollution
Report No.	SGT/S/05/025-A/26-27	Date of Issue	13/05/2026
Sample Description	Process Stack	Stack attached to	NPK Process (Stack – F)
Date and time of sampling	05/05/2026 13:51 hrs.	Duration of sampling	30 min
Sample Receipt Date	05/05/2026	Sample ID	SGT/S/05/025-A
Fuel used	NA	Stack gas Velocity in m/sec	8.93
Stack height in meter	41	Stack diameter in meter	2.8
Sampling Procedure	IS 11255	Sampling By	SGT Team
Stack temperature of Process Emission in °C	62	Ambient temperature in °C	40
Environmental Condition during testing	25 ± 2 °C	Location of test performed	At Laboratory
Condition of sample during receipt	Satisfactory	Sampling plan	E/SYS/09
Testing Test Start Date	06/05/2026	Testing Test End Date	07/05/2026

Test Results

Sr. No.	Parameters	Unit	Test Method	Results	Limits as per GPCB
1.	Fluoride	mg/Nm³	IS 11255 (Part 5) :1990	1.16	10

Remarks →

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- Sample will be disposed after 15 days from the date of issue of the report unless agreed with the customer.
- Opinion & Interpretation is not given.
- Decision rule is not applicable.

Mr. Jignesh Prajapati	**Mr. Sandip Patel**
Chemist	**Technical Manager**
Tested By	**Reviewed and Approved By**

---------- **End of Test Report** ----------

Annexure VIII

Stride Green Technologies LLP

Test Report

F/OPN/06
Issue No.: 03
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Ambient Air Quality

Name and Address of Customer	**M/s. Indian Farmers Fertilizer Co. Ltd,** Kandla Unit, Kutch, 372010.		
Discipline	Chemical	Group	Atmospheric Pollution
Report No.	AA/08/099/26-27	Date of Issue	15/08/2026
Sample Description	Ambient Air	Sampling Location	Station – 1 (Ammonia atmospheric Tank)
Date and time of sampling start	11/08/2026 11:48 hrs.	Date and time of sampling stop	12/08/2026 11:48 hrs.
Sample Receipt Date	12/08/2026	Sampling By	SGT Team
Sampling Procedure	IS 5182	Sample ID	AA/08/099
Location of test performed	At Laboratory	Wind Direction	WSW
		Wind Speed (m/s)	1.3– 4.7
Environmental Condition during testing	25 ± 2 °C	Environmental Condition during sampling	Clear
Condition of sample during receipt	Satisfactory	Sampling plan	E/SYS/09
Test Start Date	12/08/2026	Test Completion date	13/08/2026

Test Results

Sr. No.	Parameters	Unit	Test Method	Results	Limit (as per GPCB)
1.	Particulate Matter (PM_{10})	µg/m³	IS 5182 (Part 23): 2006	69.3	100
2.	Particulate Matter ($PM_{2.5}$)	µg/m³	IS 5182 (Part24): 2019	38.3	60
3.	Sulphur Dioxide (SO_2)	µg/m³	IS 5182 (Part 2): 2001	20.7	80
4.	Oxides of Nitrogen (NO_x)	µg/m³	IS 5182 (Part 6): 2006	24.9	80
5.	Ammonia (NH_3)	µg/m³	IS 5182 (Part 19):1982	17.1	400

Remarks →

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- Opinion & Interpretation is not given. Decision rule is not applicable.

Mr. Jignesh Prajapati	Mr. Love Patadiya
Chemist	Quality Manager
Tested By	Reviewed and Approved By

---------- End of Test Report ----------

Annexure VIII

Stride Green Technologies LLP

Test Report

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Issue No.: 03
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Ambient Air Quality

Name and Address of Customer	**M/s. Indian Farmers Fertilizer Co. Ltd,** Kandla Unit, Kutch, 372010.		
Discipline	Chemical	Group	Atmospheric Pollution
Report No.	AA/08/100/26-27	Date of Issue	15/08/2026
Sample Description	Ambient Air	Sampling Location	Station – 2 (Nr. R & D Laboratory)
Date and time of sampling start	11/08/2026 11:00 hrs.	Date and time of sampling stop	12/08/2026 11:00 hrs.
Sample Receipt Date	12/08/2026	Sampling By	SGT Team
Sampling Procedure	IS 5182	Sample ID	AA/08/100
Location of test performed	At Laboratory	Wind Direction	WSW
		Wind Speed (m/s)	1.3– 4.7
Environmental Condition during testing	25 ± 2 °C	Environmental Condition during sampling	Clear
Condition of sample during receipt	Satisfactory	Sampling plan	E/SYS/09
Test Start Date	12/08/2026	Test Completion date	13/08/2026

Test Results

Sr. No.	Parameters	Unit	Test Method	Results	Limit (as per GPCB)
1.	Particulate Matter (PM_{10})	µg/m³	IS 5182 (Part 23): 2006	67.8	100
2.	Particulate Matter ($PM_{2.5}$)	µg/m³	IS 5182 (Part 24): 2019	33.3	60
3.	Sulphur Dioxide (SO_2)	µg/m³	IS 5182 (Part 2): 2001	18.4	80
4.	Oxides of Nitrogen (NO_x)	µg/m³	IS 5182 (Part 6): 2006	25.2	80
5.	Ammonia (NH_3)	µg/m³	IS 5182 (Part 19):1982	14.6	400

Remarks →

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- Opinion & Interpretation is not given. Decision rule is not applicable.

Mr. Jignesh Prajapati	Mr. Love Patadiya
Chemist	Quality Manager
Tested By	Reviewed and Approved By

Stride Green Technologies LLP

End of Test Report

Annexure VIII

Stride Green Technologies LLP

Test Report

F/OPN/06
Issue No.: 03
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Ambient Air Quality

Name and Address of Customer	**M/s. Indian Farmers Fertilizer Co. Ltd,** Kandla Unit, Kutch, 372010.		
Discipline	Chemical	Group	Atmospheric Pollution
Report No.	AA/08/101/26-27	Date of Issue	15/08/2026
Sample Description	Ambient Air	Sampling Location	Station – 3 (Nr. Training Center)
Date and time of sampling start	11/08/2026 11:23 hrs.	Date and time of sampling stop	12/08/2026 11:23 hrs.
Sample Receipt Date	12/08/2026	Sampling By	SGT Team
Sampling Procedure	IS 5182	Sample ID	AA/08/101
Location of test performed	At Laboratory	Wind Direction	WSW
		Wind Speed (m/s)	1.3– 4.7
Environmental Condition during testing	25 ± 2 °C	Environmental Condition during sampling	Clear
Condition of sample during receipt	Satisfactory	Sampling plan	E/SYS/09
Test Start Date	12/08/2026	Test Completion date	13/08/2026

Test Results

Sr. No.	Parameters	Unit	Test Method	Results	Limit (as per GPCB)
1.	Particulate Matter (PM_{10})	µg/m³	IS 5182 (Part 23): 2006	66.0	100
2.	Particulate Matter ($PM_{2.5}$)	µg/m³	IS 5182 (Part24): 2019	36.7	60
3.	Sulphur Dioxide (SO_2)	µg/m³	IS 5182 (Part 2): 2001	19.2	80
4.	Oxides of Nitrogen (NO_x)	µg/m³	IS 5182 (Part 6): 2006	24.1	80
5.	Ammonia (NH_3)	µg/m³	IS 5182 (Part 19):1982	17.9	400

Remarks →

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- Opinion & Interpretation is not given. Decision rule is not applicable.

Ms. Jignesh Prajapati	**Mr. Love Patadiya**
Chemist	**Quality Manager**
Tested By	**Reviewed and Approved By**

---------- End of Test Report ----------

Annexure VIII

Stride Green Technologies LLP

Test Report

F/OPN/05
Issue No.: 04
Page 1 of 1

Stack Analysis

Name and Address of Customer	**M/s. Indian Farmers Fertilizer Co. Ltd,** Kandla Unit, Kutch, 372010.		
Discipline	Chemical	Group	Atmospheric Pollution
Report No.	S/08/102/26-27	Date of Issue	15/08/2026
Sample Description	Process Stack	Stack attached to	NPK Process (Stack – A)
Date and time of sampling	11/08/2026 10:01 hrs.	Duration of sampling	28 min
Sample Receipt Date	12/08/2026	Sample ID	S/08/102
Fuel used	NA	Stack gas Velocity in m/sec	9.31
Stack height in meter	41	Stack diameter in meter	2.8
Sampling Procedure	IS 11255	Sampling By	SGT Team
Stack temperature of Process Emission in °C	57	Ambient temperature in °C	32
Environmental Condition during testing	25 ± 2 °C	Location of test performed	At Laboratory
Condition of sample during receipt	Satisfactory	Sampling plan	E/SYS/09
Testing Test Start Date	12/08/2026	Testing Test End Date	12/08/2026

Test Results

Sr. No.	Parameters	Unit	Test Method	Results	Limits
1.	Particulate Matter	mg/Nm^3	IS 11255 (Part 1) :1985	70.3	150
2.	Ammonia (NH_3)	mg/Nm^3	IS 11255 (Part 6) :1999	26.4	175

Remarks →

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- Opinion & Interpretation is not given.
- Decision rule is not applicable.

Mr. Jignesh Prajapati	Stride Green Technologies LLP	Mr. Love Patadiya
Chemist		Quality Manager
Tested By		Reviewed and Approved By

---------- End of Test Report ----------

Annexure VIII

Stride Green Technologies LLP

Test Report

F/OPN/05
Issue No.: 04
Page 1 of 1

Stack Analysis

Name and Address of Customer	**M/s. Indian Farmers Fertilizer Co. Ltd,** Kandla Unit, Kutch, 372010.		
Discipline	Chemical	Group	Atmospheric Pollution
Report No.	S/08/102-A/26-27	Date of Issue	15/08/2026
Sample Description	Process Stack	Stack attached to	NPK Process (Stack – A)
Date and time of sampling	11/08/2026 10:01 hrs.	Duration of sampling	28 min
Sample Receipt Date	12/08/2026	Sample ID	S/08/102-A
Fuel used	NA	Stack gas Velocity in m/sec	9.31
Stack height in meter	41	Stack diameter in meter	2.8
Sampling Procedure	IS 11255	Sampling By	SGT Team
Stack temperature of Process Emission in °C	57	Ambient temperature in °C	32
Environmental Condition during testing	25 ± 2 °C	Location of test performed	At Laboratory
Condition of sample during receipt	Satisfactory	Sampling plan	E/SYS/09
Testing Test Start Date	12/08/2026	Testing Test End Date	12/08/2026

Test Results

Sr. No.	Parameters	Unit	Test Method	Results	Limits as per GPCB
1.	Fluoride	mg/Nm^3	IS 11255 (Part 5) :1990	2.16	10

Remarks →

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- Decision rule is not applicable.

Mr. Jignesh Prajapati	Mr. Love Patadiya
Chemist	Quality Manager
Tested By	Reviewed and Approved By

Stride Green Technologies LLP

---------- End of Test Report ----------

Annexure VIII

Stride Green Technologies LLP

Test Report

F/OPN/05
Issue No.: 04
Page 1 of 1

Stack Analysis

Name and Address of Customer	**M/s. Indian Farmers Fertilizer Co. Ltd,** Kandla Unit, Kutch, 372010.		
Discipline	Chemical	Group	Atmospheric Pollution
Report No.	S/08/103/26-27	Date of Issue	15/08/2026
Sample Description	Process Stack	Stack attached to	NPK Process (Stack –B)
Date and time of sampling	11/08/2026 10:57 hrs.	Duration of sampling	30 min
Sample Receipt Date	12/08/2026	Sample ID	S/08/103
Fuel used	NA	Stack gas Velocity in m/sec	8.85
Stack height in meter	41	Stack diameter in meter	2.8
Sampling Procedure	IS 11255	Sampling By	SGT Team
Stack temperature of Process Emission in °C	58	Ambient temperature in °C	33
Environmental Condition during testing	25 ± 2 °C	Location of test performed	At Laboratory
Condition of sample during receipt	Satisfactory	Sampling plan	E/SYS/09
Testing Test Start Date	12/08/2026	Testing Test End Date	12/08/2026

Test Results

Sr. No.	Parameters	Unit	Test Method	Results	Limits
1.	Particulate Matter	mg/Nm³	IS 11255 (Part 1) :1985	65.7	150
2.	Ammonia (NH_3)	mg/Nm³	IS 11255 (Part 6) :1999	23.5	175

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Mr. Jignesh Prajapati	Mr. Love Patadiya
Chemist	Quality Manager
Tested By	Reviewed and Approved By

Stride Green Technologies LLP

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Annexure VIII

Stride Green Technologies LLP

Test Report

F/OPN/05
Issue No.: 04
Page 1 of 1

Stack Analysis

Name and Address of Customer	**M/s. Indian Farmers Fertilizer Co. Ltd,** Kandla Unit, Kutch, 372010.		
Discipline	Chemical	Group	Atmospheric Pollution
Report No.	S/08/103-A/26-27	Date of Issue	15/08/2026
Sample Description	Process Stack	Stack attached to	NPK Process (Stack –B)
Date and time of sampling	11/08/2026 10:57 hrs.	Duration of sampling	30 min
Sample Receipt Date	12/08/2026	Sample ID	S/08/103-A
Fuel used	NA	Stack gas Velocity in m/sec	8.85
Stack height in meter	41	Stack diameter in meter	2.8
Sampling Procedure	IS 11255	Sampling By	SGT Team
Stack temperature of Process Emission in °C	58	Ambient temperature in °C	33
Environmental Condition during testing	25 ± 2 °C	Location of test performed	At Laboratory
Condition of sample during receipt	Satisfactory	Sampling plan	E/SYS/09
Testing Test Start Date	12/08/2026	Testing Test End Date	12/08/2026

Test Results

Sr. No.	Parameters	Unit	Test Method	Results	Limits as per GPCB
1.	Fluoride	mg/Nm³	IS 11255 (Part 5) :1990	1.20	10

Remarks →

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Mr. Jignesh Prajapati	Mr. Love Patadiya
Chemist	Quality Manager
Tested By	Reviewed and Approved By

Stride Green Technologies LLP

---------- End of Test Report ----------

Annexure VIII

Stride Green Technologies LLP

Test Report

F/OPN/05
Issue No.: 04
Page 1 of 1

Stack Analysis

Name and Address of Customer	**M/s. Indian Farmers Fertilizer Co. Ltd,** Kandla Unit, Kutch, 372010.		
Discipline	Chemical	Group	Atmospheric Pollution
Report No.	S/08/104/26-27	Date of Issue	15/08/2026
Sample Description	Process Stack	Stack attached to	NPK Process (Stack –C)
Date and time of sampling	11/08/2026 11:48 hrs.	Duration of sampling	30 min
Sample Receipt Date	12/08/2026	Sample ID	S/08/104
Fuel used	NA	Stack gas Velocity in m/sec	7.84
Stack height in meter	41	Stack diameter in meter	2.8
Sampling Procedure	IS 11255	Sampling By	SGT Team
Stack temperature of Process Emission in °C	59	Ambient temperature in °C	34
Environmental Condition during testing	25 ± 2 °C	Location of test performed	At Laboratory
Condition of sample during receipt	Satisfactory	Sampling plan	E/SYS/09
Testing Test Start Date	12/08/2026	Testing Test End Date	12/08/2026

Test Results

Sr. No.	Parameters	Unit	Test Method	Results	Limits
1.	Particulate Matter	mg/Nm^3	IS 11255 (Part 1) :1985	64.5	150
2.	Ammonia (NH_3)	mg/Nm^3	IS 11255 (Part 6) :1999	19.5	175

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- Decision rule is not applicable.

Mr. Jignesh Prajapati	Mr. Love Patadiya
Chemist	Quality Manager
Tested By	Reviewed and Approved By

Stride Green Technologies LLP

End of Test Report

Annexure VIII

Stride Green Technologies LLP

Test Report

F/OPN/05
Issue No.: 04
Page 1 of 1

Stack Analysis

Name and Address of Customer	**M/s. Indian Farmers Fertilizer Co. Ltd,** Kandla Unit, Kutch, 372010.		
Discipline	Chemical	Group	Atmospheric Pollution
Report No.	S/08/104-A/26-27	Date of Issue	15/08/2026
Sample Description	Process Stack	Stack attached to	NPK Process (Stack –C)
Date and time of sampling	11/08/2026 11:48 hrs.	Duration of sampling	30 min
Sample Receipt Date	12/08/2026	Sample ID	S/08/104-A
Fuel used	NA	Stack gas Velocity in m/sec	7.84
Stack height in meter	41	Stack diameter in meter	2.8
Sampling Procedure	IS 11255	Sampling By	SGT Team
Stack temperature of Process Emission in °C	59	Ambient temperature in °C	34
Environmental Condition during testing	25 ± 2 °C	Location of test performed	At Laboratory
Condition of sample during receipt	Satisfactory	Sampling plan	E/SYS/09
Testing Test Start Date	12/08/2026	Testing Test End Date	12/08/2026

Test Results

Sr. No.	Parameters	Unit	Test Method	Results	Limits as per GPCB
1.	Fluoride	mg/Nm³	IS 11255 (Part 5) :1990	1.10	10

Remarks →

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- Decision rule is not applicable.

Mr. Jignesh Prajapati	Mr. Love Patadiya
Chemist	Quality Manager
Tested By	Reviewed and Approved By

Stride Green Technologies LLP

---------- End of Test Report ----------

Annexure VIII

Stride Green Technologies LLP

Test Report

F/OPN/05
Issue No.: 04
Page 1 of 1

Stack Analysis

Name and Address of Customer	**M/s. Indian Farmers Fertilizer Co. Ltd,** Kandla Unit, Kutch, 372010.		
Discipline	Chemical	Group	Atmospheric Pollution
Report No.	S/08/104/26-27	Date of Issue	15/08/2026
Sample Description	Process Stack	Stack attached to	NPK Process (Stack –D)
Date and time of sampling	11/08/2026 12:52 hrs.	Duration of sampling	30 min
Sample Receipt Date	12/08/2026	Sample ID	S/08/104
Fuel used	NA	Stack gas Velocity in m/sec	8.06
Stack height in meter	41	Stack diameter in meter	2.8
Sampling Procedure	IS 11255	Sampling By	SGT Team
Stack temperature of Process Emission in °C	61	Ambient temperature in °C	35
Environmental Condition during testing	25 ± 2 °C	Location of test performed	At Laboratory
Condition of sample during receipt	Satisfactory	Sampling plan	E/SYS/09
Testing Test Start Date	12/08/2026	Testing Test End Date	12/08/2026

Test Results

Sr. No.	Parameters	Unit	Test Method	Results	Limits
1.	Particulate Matter	mg/Nm³	IS 11255 (Part 1) :1985	62.7	150
2.	Ammonia (NH_3)	mg/Nm³	IS 11255 (Part 6) :1999	22.0	175

Remarks →

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- Decision rule is not applicable.

Mr. Jignesh Prajapati	Mr. Love Patadiya
Chemist	Quality Manager
Tested By	Reviewed and Approved By

Stride Green Technologies LLP

End of Test Report

Annexure VIII

Stride Green Technologies LLP

Test Report

F/OPN/05
Issue No.: 04
Page 1 of 1

Stack Analysis

Name and Address of Customer	**M/s. Indian Farmers Fertilizer Co. Ltd,** Kandla Unit, Kutch, 372010.		
Discipline	Chemical	Group	Atmospheric Pollution
Report No.	S/08/104-A/26-27	Date of Issue	15/08/2026
Sample Description	Process Stack	Stack attached to	NPK Process (Stack –D)
Date and time of sampling	11/08/2026 12:52 hrs.	Duration of sampling	30 min
Sample Receipt Date	12/08/2026	Sample ID	S/08/104-A
Fuel used	NA	Stack gas Velocity in m/sec	8.06
Stack height in meter	41	Stack diameter in meter	2.8
Sampling Procedure	IS 11255	Sampling By	SGT Team
Stack temperature of Process Emission in °C	61	Ambient temperature in °C	35
Environmental Condition during testing	25 ± 2 °C	Location of test performed	At Laboratory
Condition of sample during receipt	Satisfactory	Sampling plan	E/SYS/09
Testing Test Start Date	12/08/2026	Testing Test End Date	12/08/2026

Test Results

Sr. No.	Parameters	Unit	Test Method	Results	Limits as per GPCB
1.	Fluoride	mg/Nm³	IS 11255 (Part 5) :1990	0.98	10

Remarks →

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Mr. Jignesh Prajapati	**Mr. Love Patadiya**
Chemist	**Quality Manager**
Tested By	**Reviewed and Approved By**

Stride Green Technologies LLP

---------- **End of Test Report** ----------

Annexure VIII

Stride Green Technologies LLP

Test Report

F/OPN/05
Issue No.: 04
Page 1 of 1

Stack Analysis

Name and Address of Customer	**M/s. Indian Farmers Fertilizer Co. Ltd,** Kandla Unit, Kutch, 372010.		
Discipline	Chemical	Group	Atmospheric Pollution
Report No.	S/08/115/26-27	Date of Issue	15/08/2026
Sample Description	Process Stack	Stack attached to	NPK Process (Stack – E)
Date and time of sampling	12/08/2026 10:43 hrs.	Duration of sampling	29 min
Sample Receipt Date	12/08/2026	Sample ID	S/08/115
Fuel used	NA	Stack gas Velocity in m/sec	8.13
Stack height in meter	41	Stack diameter in meter	2.8
Sampling Procedure	IS 11255	Sampling By	SGT Team
Stack temperature of Process Emission in °C	58	Ambient temperature in °C	35
Environmental Condition during testing	25 ± 2 °C	Location of test performed	At Laboratory
Condition of sample during receipt	Satisfactory	Sampling plan	E/SYS/09
Testing Test Start Date	13/08/2026	Testing Test End Date	13/08/2026

Test Results

Sr. No.	Parameters	Unit	Test Method	Results	Limits
1.	Particulate Matter	mg/Nm³	IS 11255 (Part 1) :1985	63.2	150
2.	Ammonia (NH_3)	mg/Nm³	IS 11255 (Part 6) :1999	23.7	175

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- Decision rule is not applicable.

Mr. Jignesh Prajapati	Mr. Love Patadiya
Chemist	Quality Manager
Tested By	Reviewed and Approved By

Stride Green Technologies LLP

End of Test Report

Annexure VIII

Stride Green Technologies LLP

Test Report

F/OPN/05
Issue No.: 04
Page 1 of 1

Stack Analysis

Name and Address of Customer	**M/s. Indian Farmers Fertilizer Co. Ltd,** Kandla Unit, Kutch, 372010.		
Discipline	Chemical	Group	Atmospheric Pollution
Report No.	S/08/115-E/26-27	Date of Issue	15/08/2026
Sample Description	Process Stack	Stack attached to	NPK Process (Stack – E)
Date and time of sampling	12/08/2026 10:43 hrs.	Duration of sampling	29 min
Sample Receipt Date	12/08/2026	Sample ID	S/08/115-E
Fuel used	NA	Stack gas Velocity in m/sec	8.13
Stack height in meter	41	Stack diameter in meter	2.8
Sampling Procedure	IS 11255	Sampling By	SGT Team
Stack temperature of Process Emission in °C	58	Ambient temperature in °C	35
Environmental Condition during testing	25 ± 2 °C	Location of test performed	At Laboratory
Condition of sample during receipt	Satisfactory	Sampling plan	E/SYS/09
Testing Test Start Date	13/08/2026	Testing Test End Date	13/08/2026

Test Results

Sr. No.	Parameters	Unit	Test Method	Results	Limits as per GPCB
1.	Fluoride	mg/Nm³	IS 11255 (Part 5) :1990	1.86	10

Remarks →

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- Decision rule is not applicable.

Mr. Jignesh Prajapati	**Mr. Love Patadiya**
Chemist	**Quality Manager**
Tested By	**Reviewed and Approved By**

Stride Green Technologies LLP

---------- End of Test Report ----------

Annexure VIII

Stride Green Technologies LLP

Test Report

F/OPN/05
Issue No.: 04
Page 1 of 1

Stack Analysis

Name and Address of Customer	**M/s. Indian Farmers Fertilizer Co. Ltd.** Kandla Unit, Kutch, 372010.		
Discipline	Chemical	Group	Atmospheric Pollution
Report No.	S/08/116/26-27	Date of Issue	15/08/2026
Sample Description	Process Stack	Stack attached to	NPK Process (Stack –F)
Date and time of sampling	12/08/2026 11:52 hrs.	Duration of sampling	29 min
Sample Receipt Date	12/08/2026	Sample ID	S/08/116
Fuel used	NA	Stack gas Velocity in m/sec	8.13
Stack height in meter	41	Stack diameter in meter	2.8
Sampling Procedure	IS 11255	Sampling By	SGT Team
Stack temperature of Process Emission in °C	60	Ambient temperature in °C	36
Environmental Condition during testing	25 ± 2 °C	Location of test performed	At Laboratory
Condition of sample during receipt	Satisfactory	Sampling plan	E/SYS/09
Testing Test Start Date	13/08/2026	Testing Test End Date	13/08/2026

Test Results

Sr. No.	Parameters	Unit	Test Method	Results	Limits
1.	Particulate Matter	mg/Nm^3	IS 11255 (Part 1) :1985	70.2	150
2.	Ammonia (NH_3)	mg/Nm^3	IS 11255 (Part 6) :1999	22.6	175

Remarks →

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- Decision rule is not applicable.

Mr. Jignesh Prajapati	Mr. Love Patadiya
Chemist	Quality Manager
Tested By	Reviewed and Approved By

Stride Green Technologies LLP

---------- End of Test Report ----------

Annexure VIII

Stride Green Technologies LLP

Test Report

F/OPN/05
Issue No.: 04
Page 1 of 1

Stack Analysis

Name and Address of Customer	**M/s. Indian Farmers Fertilizer Co. Ltd.** Kandla Unit, Kutch, 372010.		
Discipline	Chemical	Group	Atmospheric Pollution
Report No.	S/08/116-A/26-27	Date of Issue	15/08/2026
Sample Description	Process Stack	Stack attached to	NPK Process (Stack –F)
Date and time of sampling	12/08/2026 11:52 hrs.	Duration of sampling	29 min
Sample Receipt Date	12/08/2026	Sample ID	S/08/116-A
Fuel used	NA	Stack gas Velocity in m/sec	8.13
Stack height in meter	41	Stack diameter in meter	2.8
Sampling Procedure	IS 11255	Sampling By	SGT Team
Stack temperature of Process Emission in °C	60	Ambient temperature in °C	36
Environmental Condition during testing	25 ± 2 °C	Location of test performed	At Laboratory
Condition of sample during receipt	Satisfactory	Sampling plan	E/SYS/09
Testing Test Start Date	13/08/2026	Testing Test End Date	13/08/2026

Test Results

Sr. No.	Parameters	Unit	Test Method	Results	Limits as per GPCB
1.	Fluoride	mg/Nm³	IS 11255 (Part 5) :1990	1.12	10

Remarks →

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- Decision rule is not applicable.

Mr. Jignesh Prajapati	**Mr. Love Patadiya**
Chemist	**Quality Manager**
Tested By	**Reviewed and Approved By**

Stride Green Technologies LLP

---------- End of Test Report ----------

Annexure VIII

Stride Green Technologies LLP

Test Report

F/OPN/05
Issue No.: 04
Page 1 of 1

Stack Analysis

Name and Address of Customer	**M/s. Indian Farmers Fertilizer Co. Ltd,** Kandla Unit, Kutch, 372010.		
Discipline	Chemical	Group	Atmospheric Pollution
Report No.	S/08/117/26-27	Date of Issue	15/08/2026
Sample Description	Process Stack	Stack attached to	De Dusting – 3
Date and time of sampling	12/08/2026 12:49 hrs.	Duration of sampling	28 min
Sample Receipt Date	12/08/2026	Sample ID	S/08/117
Fuel used	NA	Stack gas Velocity in m/sec	7.94
Stack height in meter	31	Stack diameter in meter	0.9
Sampling Procedure	IS 11255	Sampling By	SGT Team
Stack temperature of Process Emission in °C	43	Ambient temperature in °C	35
Environmental Condition during testing	25 ± 2 °C	Location of test performed	At Laboratory
Condition of sample during receipt	Satisfactory	Sampling plan	E/SYS/09
Testing Test Start Date	13/08/2026	Testing Test End Date	13/08/2026

Test Results

Sr. No.	Parameters	Unit	Test Method	Results	Limits
1.	Particulate Matter	mg/Nm^3	IS 11255 (Part 1) :1985	36.4	150

Remarks →

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Mr. Jignesh Prajapati	**Mr. Love Patadiya**
Chemist	**Quality Manager**
Tested By	**Reviewed and Approved By**

Stride Green Technologies LLP

---------- End of Test Report ----------

Photographs of Green Area





Photographs of Green Area





Photographs of Green Area





September - 2026

KANDLA UNIT

INDIAN FARMERS FERTILISER COOPERATIVE LIMITED
KANDLA UNIT

ON-SITE EMERGENCY ACTION PLAN
AND
ROLE OF KEY PERSONNEL & ESSENTIAL STAFF

PREPARED BY

FIRE & SAFETY SECTION

Note : On hearing Emergency Siren Non Essential Staff who are not allotted specific duty in Action Plan for On - Site Emergency must assemble at safe Assembly Points as mentioned in this Plan after consulting their Sectional Heads / Area Incharge. All HODs./SHs should take necessary action to assemble the Non Essential Staff and Contract workmen working under them at nearest safe Assembly Points.

EMERGENCY SIREN TONE:

In case of emergency the siren will be blown as below

FIRE	:	**Wailing sound for Two Minutes.**
Gas Leak	:	**Wailing sound for Two Minutes And repeat further after 30 Seconds.**
All Clear / Testing	:	**Continuous sound for Two Minutes.**
TESTING	:	**1st day of every month at 10.00 Hrs.**

Emergency Phones : FIRE: 4555 / 4666, MEDICAL: 4777 / 4574, SECURITY: 4855 / 4856

GENERAL INFORMATION:

Through the Environment Protection Act – 1986, the Central Government had notified 'The Manufacturing, Storage and Import of Hazardous Chemicals Rules - 1989, amended in 1994 and 2000.

The Factories Act - 1948 was amended in 1987 after the Bhopal tragedy under which it was laid down that the Occupier of the hazardous Factory is responsible for preparing the On-Site Emergency Plan and the same should be submitted to The Chief Inspector of Factories for approval. The plan should contain detailed disaster control measures also.

Under both the above Acts and Rules, the Factory handling the hazardous chemicals must prepare the emergency plan as under.

On Site Emergency Plan: - To be prepared by Occupier of the Factory.
Off Site Emergency Plan: - To be prepared by District authorities in consultation with factories.

IFFCO - Kandla has prepared the On-Site Emergency Plan and the action plan and the same is distributed to all concerned.

On - Site Emergency:

Emergencies are the kind of situation which can cause casualties within the plant premises. It may need to have help of outside agencies to bring the situation under control. Operational emergency on equipment failure situations which may go beyond control with time for long duration are also put under this category.

Off - Site Emergency:

This kind of emergency includes events, likely to endanger human life, plant, and equipment within IFFCO premises and in neighborhood and it is not possible to control with the resources available within IFFCO, Help of Local Administration, Police, State Transport, and Medical Center and Hospitals shall be required to control and contain the emergency.
Emergency situation in neighboring industry that may affect IFFCO are also included in this category.

CLASSIFICATION OF EMERGENCIES:

According to our plan the emergency is categorized in three levels i.e.

LEVEL - 1 The level of emergency which is controllable within the plant / area.
Emergencies may be due to:

a) small spot of fire in the plant.
b) Toxic gas release for short duration.
c) Collapse of small equipment.
d) Leakage of Acid – Phosphoric Acid or Sulphuric Acid

LEVEL - 2 The emergency which is confinable within the Factory premises.
Emergencies may be due to:

a) big fire in factory premises
b) medium scale explosion
c) Heavy leakage of toxic gas for short duration.
d) Heavy Leakage of Acid – Phosphoric Acid or Sulphuric Acid

LEVEL- 3 Likelihood of vapor clouds with formation of toxic / flammable gases drifting and affecting the public (i.e. outside of plant premises). This type of emergency arises out of:

a) Explosion in high pressure vessel containing toxic / flammable material.
b) Heavy leakage of toxic material for a long duration from pipeline or storage tanks.

The following priorities are to be borne in mind while directing all operations.

- Safety of personnel
- Minimum damage to plants, property, and environment.
- Minimum loss of material.

ESSENTIAL PERSONNEL:

(1) Operating Personnel of Affected Plant / Area
(2) Fire & Safety Personnel
(3) Medical Staff
(4) Security Staff
(5) Operating Personnel of non-affected Plant / Area
(6) On duty Shift Staff of Mech. Maintenance / Workshop / Electrical / Instrument / Laboratory

NON-ESSENTIAL STAFF:

All the persons who are not listed in essential personnel and not included in this action plan will report to Assembly Point after consulting their Sectional Heads / Area In charge.

AFFECTED / NON-AFFECTED PLANTS / AREA:

NPK – K I / K – II / Offsite K – I / B&MH / Barge Jetty Plants are considered for having potential to develop Onsite / Offsite emergency due Toxic release & or Fire.

Any plant / Area meeting with an emergency is known as an affected plant. The rest of the plant / area are known as non-affected plants.

EMERGENCY CONTROL CENTRES (ECC):

(1) At Fire & Safety Section
(2) Alternate ECC – EF Train Control Room
[If emergency affects ECC & wind direction is towards Time Office then Alternate ECC will be taken in line.]

ASSEMBLY POINTS:

In case of any emergency, the employees who are not allotted specific duties in the action plan and non-essential staff must assemble at following assembly point.

ASSEMBLY POINTS	ASSEMBLY POINT INCHARGE
MAIN WORKSHOP (Mech.)	Sectional Head / Shift Incharge of Transportation Section
E&F TRAIN GROUND FLOOR	Sectional Head / Shift Incharge of NPK K – II
BUS STAND AREA	Head of IT Services

EMERGENCY EXIT ROUTE:

In case of Ammonia leakage and wind direction towards time office, alternative emergency escape gate may be used for exit.

FIRST HAND INFORMATION, ROLE OF KEY PERSONNEL, ON HEARING EMERGENCY SIREN:

FIRST HAND INFORMATION: -

As per the emergency plan, any person at shop floor level who possesses the first information of leakage of toxic gas or Fire will communicate about the emergency as below: -

By informing concerned control room / Shift Incharge immediately.

In Fire Control Room Local telephone 4666 / 4555

By shouting and informing others working in a nearby area.

If there is a Fire incident, then try to extinguish immediately with available extinguisher in nearby area.

Please remember while passing information:
Give your name & location of incidence & give direction to Fire Tender by sending one person to main road where incident has taken place.

ROLE OF KEY PERSONNEL ON HEARING EMERGENCY SIREN:

1. Unit Head will reach the Emergency Control Centre (ECC) or Alternate Emergency Control Centre depending upon wind direction & situation of emergencies if ECC is affected.

2. HODs of Maintenance / Production / Technical / Material / P & A / F& A / Nonaffected Plant will report to Chief Emergency Controller [Unit Head] at ECC

3. Sectional Heads of Maintenance / Workshop / Civil / Instrument / Electrical / Nonaffected Plant will report to their normal workplaces if not demanded by Incident Controller / Site Main Controller / Chief Emergency Controller; Accordingly instruct staff under their control to report to Incident place & or / plant to be present at their normal workplace or to go to declared Assembly Point at the time of Emergency for further instruction & or if evacuation is needed.

4. All other Sectional Heads will report / remain at their normal workplaces with their staff and keep contact with their HOD or role allotted in emergency action plan.

5. All the HOD's and Section Head should attend Post Mock Drill meeting.

6. All the non-essential employees will contact their Sectional Heads / Area Incharge for further instructions.

7. All Contractor's Labor will follow safe route after seeing the wind direction and reach the assembly point for further instructions.

ROLE OF CHIEF EMERGENCY CONTROLLER: (UNIT HEAD)

On receipt of information about the emergency or hearing the siren, he shall proceed to Emergency Control Centre and take charge of Chief Emergency Controller.

He has overall responsibilities of directing operation and calling outside help from emergency control room. **OR**

An alternative ECC in case of adverse condition is EF Train Control Room.

Assess the situation quickly and decide the level of emergency (L_1, L_2 or L_3) after getting information from Incident / Site Main Controller.

If an emergency of L_1 level or L_2 (Onsite) is turning to L_3 (Offsite) level inform District Authorities for operating Offsite emergency plan.

Keep in contact with the Site Main Controller and direct him to handle emergencies. Ensure that all services for tackling emergencies are in line and advise them accordingly.

Direct all emergencies within the affected area with the following priorities.

a) Personnel Safety
b) Plant, Property & Environment Safety.
c) Minimum loss of production.

Direct safe shut down of plants in consultation with incident controller & key personnel, if necessary.

Ensure that all non-essential workers, visitors, and contractors are evacuated to assembly points.

If necessary, arrange for evacuation of neighboring population with the help of District Magistrate, Dy. SP, Asst. Director (IS&H).

Ensure that searches for causalities within the affected area have been carried out and arrange for hospitalization of victims.

Seek outside help from others as per requirement.

Ensure that HOD (P&A) liaison with outside agencies such as Police, District emergency authorities i.e., Collector, officials of Directorate of Industrial Safety & Health and Local Pollution Control Board. Provide advice on possible effects to areas outside the factory.

Ensure that press notes are prepared and released to press & media.

ROLE OF INCIDENT CONTROLLER:
Shift In charge of Affected Plant / Area (Production)

Area In charge will act as Incident Controller till Shift In charge / Section Head reached

On receiving the information of emergency, the shift in charge / area in charge concerned will direct his staff to control the situation by available gears. He will assess the scale of emergencies likely to exist i.e., L_1, L_2 OR L_3. Categorize the risk and

Inform Fire Control room (4666 / 4555) if fire crew did not reach till that time.
Inform Plant Dispensary (4777 / 4574) if personnel injury is reported / observed.

1. Decide whether to stop or continue the process and take technical decisions to control the incident and instruct the next person to inform Unit Head regarding incident and consult senior officers as per requirement.

2. If emergency of L_1 or L_2 level is turning to L_2 / L_3 level and need arises to activate emergency action plan by giving information / intimation to Fire Control room In charge (phone 4555 / 4606) for blowing emergency Siren for Gas / Fire code if Sectional Head (Site Main Controller) does not reach at the site.

3. Inform laboratory in charge of carrying out ambient air and effluent sample.

4. THE INCIDENT CONTROLLER HAS TO EXECUTE THE FOLLOWING RESPONSIBILITIES.
   a) Direct evacuation of plants and areas likely to be affected by the emergency.
   b) Ensure required key personnel are called in.
   c) Advice firefighting, rescue team and provide additional manpower / material from non-affected plant.
   d) Direct for search of causalities.
   e) Evacuate non-essential workers to assembly points.
   f) Preserve evidence for subsequent inquiry into the cause of emergency.

5. He will hand over the charge to Site Main Controller (Section Head) when he reaches the scene of Incident.

ROLE OF SITE MAIN CONTROLLER: PRODUCTION
(Section Head of Affected Plant / Area)

After receiving information from Area In charge / Incident Controller, inform Unit Head about incident if not already informed by Incident Controller and reach to the scene of incident and assess the level of emergency.

Take the charge of Site from Incident Controller.

Decide whether to stop or continue the process and take technical decisions to control the incident. Consult Chief Emergency Controller (Unit Head) regarding the situation arising.

If Emergency not declared by Incident Controller, then, inform the Fire Control room In charge (phone 4555 / 4606) for blowing emergency Siren for Gas / Fire code

Direct Incident Controller in co-ordination with Chief Emergency Controller to control the Emergency and safe shut down of plant as situation demands.

Site Main Controller must execute the following responsibilities.

A) Direct evacuation of plants and areas is likely to be affected by the emergency.
b) Ensure that the required key personnel are called in.
c) Advise firefighting, rescue team and other emergency services.
d) Direct search of causalities, if any.
e) Evacuate non-essential workers to assembly points.
f) Brief chief emergency controller on the developments.
g) Arrange for additional help for fire crew as per requirement of fire service in charge
h) Preserve evidence for subsequent inquiry into the cause of incident / emergency.

After consulting the Fire & Safety Section In charge, declare all clear at site & inform at Emergency Control Centre (Fire Control room) to declare all clear by blowing siren.

FIRE & SAFETY SERVICES

SHIFT INCHARGE (F&S):

As soon as, notified about the location of Fire / Gas leak,

Inform Section Head of Fire & Safety.

Blow the Siren if asked by Area Incharge or Incident Controller (Shift In charge) / Site Main Controller (Section Head) by the emergency Siren as per required code i.e., Fire / Gas Leak.

Ensure Fire Pumps in Auto mode.

Depute one Fire staff person at Fire Control Room.

Proceed immediately to the scene of incident with fire tender & crew.

Position the Fire tender depending on the wind direction.

Decide the course of action in consultation with the area Incharge or Shift In charge (Incident Controller) and take suitable measures to extinguish the fire / assist in controlling gas leak.

Direct Rescue operation if needed.

Seek the help of trained employees from Incident Controller to control the Emergency Situation.

Ensure that crew members are provided with proper safety equipment for tackling the emergency.

Assess the severity of the incident, and inform Incident Controller to call for additional vehicles, equipment, extinguishing media or and help from mutual aid.

Till the arrival of Sectional Head (F&S) or Fire Officer, guide the fire crew in firefighting and rescue operation by giving clear instruction.

Fire Control Room Fire staff ensure following:

Ensure that ambulance goes to the place of incidence.

Ensure that the pressure in the fire hydrant system is maintained, if required put available pumps in auto system and still if pressure is not available in hydrant system request help of Maint. Service Staff for smooth running of Fire pumps.

Record all the messages received in a register and work as per the direction of Incident Controller / Site Main Controller till arrival of Chief Emergency Controller (Unit Head)

ROLE OF SECTIONAL HEAD OF FIRE & SAFETY:

After receiving information from Fire Control Room Inform Unit Head / HOD about incident and reach to the scene of Incident.

Direct the firefighting, emergency operations with Fire Crew & other trained persons.

Keep in constant touch with Chief Emergency Controller for additional help, if necessary, till arrival of Site Main Controller.

On arrival of Site Main Controller, inform him regarding additional help for incident control action who in turn will convey to Chief Emergency Controller

Ensure that all equipments & PPEs required are available at site and if required arrange for additional requirements.

Direct Rescue operation and send the victims to First Aid Center for treatment.

Inform Site Main Controller to get help from DPA, Emergency Response Centre, KASEZ, G'dham Municipality Fire Brigades & nearby Industries.

Direct the Crew members at the scene of Emergency and reinforce, replenish equipment's / extinguishing media & firefighting crew.

Consult the Site Main Controller and both will take decision for declaration of all clear.

MAINTENANCE SERVICES

ROLE OF Sectional Heads of Mechanical / Workshop / Civil / Electrical / Instrument

Sectional Heads of Mechanical / Workshop / Civil / Electrical / Instrument are required to remain present at their normal workplaces and keep contact with their HOD and follow the decision made by Incident Controller / Site Main Controller / Chief Emergency Controller in the light of information received by them on the developing situation of emergency. Keep constant contact with their HOD.

They shall guide the staff under their control, aiding/ support for controlling the emergency and evacuation of personnel.

HOD OF MAINTENANCE SERVICES:

Mobilize staff and necessary tools & tackles for help if required by Incident Controller / Site Main Controller for emergency Maintenance work at the place of Incident. Direct concerned personnel for providing necessary help for tackling the Emergency.

Depute one person from each discipline i.e. Mechanical, Electrical, Instrument to look after the services of Fire Pumps till all clear siren is blown.

SECURITY SERVICES

ROLE OF SECURITY HEAD / SHIFT INCHARGE / SECURITY GUARDS

A) SECURITY HEAD / SHIFT IN-CHARGE:

Depute Security Guards at OHC and at incident places for help and controlling situation.

After hearing Siren, inform the location of fire/ Gas leak to the essential key personnel and guide the personnel coming to plant.

During non-General Shift hours, inform All HODs regarding emergencies i.e., Fire / Gas leak.

Guide statutory authority to go to Emergency Control Centre.

Depute Security Guard for manning the gates & traffic control at the scene of incident.

Prevent unauthorized entry in the Factory.

Render assistance as requested by Fire & Safety In charge / Incident Controller at the scene of Incident.

Mobilize additional Security for help if required.

No vehicles should be allowed inside the plant except Ambulance, Fire Tenders & emergency vehicles along with essential personnel & also direct them to the scene of incident.

Help to evacuate the people at the scene of incident.

Arrange to provide list of contractor workers working, visitors & vehicles for evacuation purposes if required by Assembly point in charge / Chief Emergency Controller.

To operate Jeep with Public Address system to warn surrounding public as directed by Chief Emergency Controller.

B) SECURITY GUARDS:

On hearing the emergency Siren, contact Shift Security In Charge & work under his instructions.

ADMINISTRATION & PERSONNEL SERVICES

ROLE OF HOD / SECTIONAL HEAD

On getting information on emergency Immediate report to Chief Emergency Controller at Emergency Control Centre (ECC).

Ensure that the media is properly guided and authentic news is made available for press and media.

Arrange vehicles to shift causalities from plant site to Hospitals & evacuation of persons from assembly points to outside shelters.

Arrange buses at Assembly Points for evacuation of people.

In addition to our vehicles arrange for hired vehicles and additional drivers if necessary for other services such as Welfare / Stores / Purchase.

Ensure that the telephone operator is deputed to convey messages. Keep the board free to the extent possible for incoming calls. Convey messages to Senior Officials / Nearby Organization Head etc. as directed by Chief Emergency Controller.

Arrange shelters in consultation with local authorities and NGOs.

Organize canteen services for hot drinks / snacks / food as required & other welfare services etc. at the scene of incident & required locations.

A messenger /runner is to be kept ready to pass the messages in case of failure of communications.

Keep in touch with local Govt. Authorities and nearby fire services for their help. Inform District Magistrate, Sr. Insp. of Factories, Police Dept., and GPCB etc. as per statutory requirements.

Arrange round the clock for the availability of people at hospital to look after the affected people.

Prepare records of affected personnel with local and permanent addresses & inform their nearest relatives.

Take necessary action for compliance with statutory needs such as information / reports etc. to concerned authority as per existing guidelines.

Depute one person for manning Assembly Points & maintain records of evacuated persons at various shelters / locations.

ROLE OF HOD / SECTIONAL HEAD
FIRST AID AND MEDICAL SERVICES

ROLE OF MEDICAL SERVICE HEAD / SHIFT INCHARGE PLANT DISPENSARY / MEDICAL STAFF

SHIFT INCHARGE PLANT DISPENSARY:

On receipt of instruction from Incident Controller / Fire Control room direct Ambulance to the scene of incident. **OR** on Hearing Siren of Fire Tender send Ambulance and advice to follow Fire Tender to the scene of incident.

Inform MEDICAL SERVICE HEAD / DOCTORS regarding incident.

Be ready to provide First Aid to Victims / Injured.

HEAD OF MEDICAL SERVICES / DOCTOR:

On receipt of information from Plant Dispensary immediately report to the first aid Centre of plant and take following actions.

Keep all necessary Medicines, artificial respiration equipments etc. ready.

Render first Aid to Victims / Injured Persons & send them in time for further treatment if required.

Inform all Hospitals / Doctors of Kandla, Gandhidham regarding Incident and gear up for hospitalization and treatment of Victims / Injured persons.

Contact Chief Emergency Controller for additional help.

MEDICAL STAFF:

After receiving information or hearing Siren contact Sectional Head / Shift In charge and work as directed by them.

LABORATORY

ROLE OF SECTIONAL HEAD / SHIFT INCHARGE / CHEMIST - (LABORATORY)

After getting information about emergencies remains present at your normal workplace.

Arrange to carry out ambient air and effluents samples test as directed by Incident Controller or Site Main Controller.

ASSEMBLY POINT MANAGEMENT

ROLE OF SECTIONAL HEAD / SHIFT INCHARGE (TRANSPORTATION), NPK K-II AND IT SERVICES

On hearing the Siren or intimation of Emergency immediately proceed to Assembly Point and inform to their HOD.

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Manning the Assembly Point and getting help from Sectional Head of (P&A) to shift the people to shelters, if required, and maintain the record of people reported at assembly points and transfer them to shelters or other places.

Keep in constant touch with their HOD & Co-ordinate other related activities as per requirement.

SUPPLY AND REPLENISHMENT MANAGEMENT

ROLE OF HOD (MATERIALS) / (F&A)

On receipt of information about the emergency or hearing the siren, immediately report to Chief Emergency Controller at Emergency Control Centre (ECC).

Direct all other Sectional Heads under their control to remain at their normal workplaces with their staff and instruct them as per requirement for further action.

Arrange additional manpower for handling Store items etc.

Arrange to issue items / equipments required during emergencies.

Take immediate action of emergency procurement and arrange additional manpower for local purchase etc. If required.

MUTUAL AID SCHEME

ROLE PLAYED BY MEMBERS OF MUTUAL AID SCHEME

On receiving the call, they proceed immediately with fire crew and Fire Tender.

The place of incident will be guided by IFFCO MAIN GATE SECURITY GUARD.

Fire Crew In charge will report to Sectional Head / Shift In charge (F&S) and assist the emergency operation as guided.

Safety of Fire Crew will be ensured by Incharge of Assisting Fire Brigade in emergency operation.

Outside organization if involved in assisting during onsite emergency.

KEY PERSONS & THEIR TELEPHONE NUMBERS (INTERNAL)

NAME & DESIGNATION	OFFICE PHONE		RESIDENCE PHONE	
	INTERNAL	Mobile No.	INTERNAL	P&T
Rajesh Ruhela SGM (Unit Head)	4700	8980044093	5006	255006
A K Chaudhary GM (Nano)	4915	7600074364	-	-
Pavan Garg GM (Maint.)	4633	7043005530	5005	255005
S U Ansari JGM (Prod)	4622	9426931336	5003	255003
Deepak Kumar JGM (Materials)	4210	9925226678	5002	255002
Durga Prasad JGM (Instrumentation)	4841	8980035584	5104	255104
Jitendra Singh JGM (Technical)	4689	9925228423	5107	255107
Bhavna Garg DGM(P&A)	4211	7228012146	5005	255005
D S Parihar DGM (IT)	4630	7043439178	5114	255114
Major Arun Kumar Singh, (Rtd) Chief Security Officer	4851	9099004273	5988	255988
Dushyant Chauhan CM (F&A)	4727	9727794585	5117	255117
Somesh Sharma CM (Electrical)	4645	9924949054	5105	255105
Dr. S S Lakhia Chief Medical Officer	5972	9428475963	5211	255211
Mahendra Singh CM (NPK-I)	4694	9904030184	5202	255202
Younus Katika CM NPK-II	4543	9924949116	5109	255109
P P Parmar CM (TPT)	4913	9408627200	5119	255119
Sauhard Rawat Dy. Manager (F&S)	4678	9979718333	5510	255510

IMPORTANT TELEPHONE NUMBERS (EXTERNAL)

(OFF-SITE EMERGENCY PLAN)

Sl. No.	DESIGNATION OF THE AUTHORITY	OFFICE PHONE	RESIDENCE PHONE
1.	District Collector Bhuj	02832-250020	(02832)250350
2.	District Supt of Police ,Bhuj	02832-250960	(02832) 250850, 221502
3.	Chairman Kandla Port Trust	02836-233001/234601	233002, 234691
4.	Vice Chairman KPT	02836-234121	234113
5.	District Development Officer, Bhuj	02832-250080	
6.	SDM, Anjar	02836-243345	243363
7.	Mamlatdar, Gandhidham	02836-250270	222875
8.	Dy. Supt of Police , Anjar	242517	243362
9.	Police Inspector Gandhidham	233752, 232500	242596
10.	Police Station,Kandla	9825618058, 02836-270999	234500
11.	Factory Inspector, Adipur	260020	270404
12.	Dy Conservator, KPT	233585 / 220235	260262
13.	Traffic Manager, KPT	270625	234734
14.	KPT Fire Station	270176 , 270178	235100
15.	KSEZ Fire Brigade	252232	238238
16.	Civil Defence Gandhidham	02836-227934	223629
17.	Gandhidham Municipal Fire Services	02836-226573	-
18.	Rambaug Hospital	02836-261626	-
19.	KPT Hospital, Kandla	270205 , 270633	265266
20.	KPT Hospital, Gopalpuri	02836-220497	-
21.	Bhuj Civil Hospital	2832-250150-220206	220497
22.	GEB Gandhidham	02836-258700	220129
23.	GEB Anjar	02836-244580	-
24.	GWSSB Gandhidham	9978406618 ,220975	-
25.	RLY Area Manager Gandhidham	221340	221152
26.	ST Bus Stand Gandhidham	7947130549, 220198	236237
27.	Gandhidham chamber of commerce	2836-220977 , 220735	-
28.	CISF Kandla	02836-271037 , 271040	-
29.	GPCB Regional Office Bhuj	02832-250620	-
30.	Disaster Management Control Room, Bhuj	02832-251007	-
31.	CRL Old Kandla	370210	
32.	IMC, New Kandla	270369, 653524	
33.	FOCT, Near Booster	02836-270987	-
34.	JK Synthetics	270223, 270443	-
35.	NP Patel terminal ,old kandla	270347 ,257807	
36.	Kesar Enterprise	270435 , 270177	-
37.	Indo Nippon	270795, 270295	
38.	IOCL, LPG	270978 , 236944	
39.	IOCL Kandla	233274	
40.	IOCL FST	270394, 270628 ,270477	
41.	Mamlatdar, Anjar	02836-242588	

Annexure X(b)

Report of On-Site Mock Drill carried out on 07th August 2026

7th August 2026

At 14.30 hrs on 07.08.2026, an ammonia leakage was noticed by the area operator. He immediately rushed towards the Ammonia Control Room while shouting “Gas leak, gas leak, gas leak” to create awareness among the workmen working in nearby areas. He informed the Control Room In-charge about the ammonia leakage observed at Horton Sphere -A liquid isolation valve leakage.

The updated status of the situation was subsequently communicated by the Shift In-charge (Offsite), Mr. Hero Meghrajani, to the Fire & Safety Control Room.

HAZARDOUS MATERIALS: -

Ammonia and Sulphuric acid leakage are the main hazards at our plant; we have the following storage facilities of Ammonia and Sulphuric acid at our plant.

SR NO	TYPE OF STORAGE	NOS. OF STORAGE TANK	CAPACITY OF STORAGE TANK	PRESSURE & TEMP.
1	Horton Sphere	Two	1500 MT. Each	3.2 Kg/cm^2 & 0 ^{0} C.
2	Atmospheric Storage Tank	One	5,000 MT.	500 mmwc & - 33^0 C.
3	Atmospheric Storage Tank	One	10,000 MT	500 mmwc & - 33^0 C.
4	Atmospheric Storage Tank	One	15,000 MT	500 mmwc & - 33^0 C.
5	Concentrated Sulphuric Acid Storage Tank	Two	5,000 MT.	Static Head & ambient



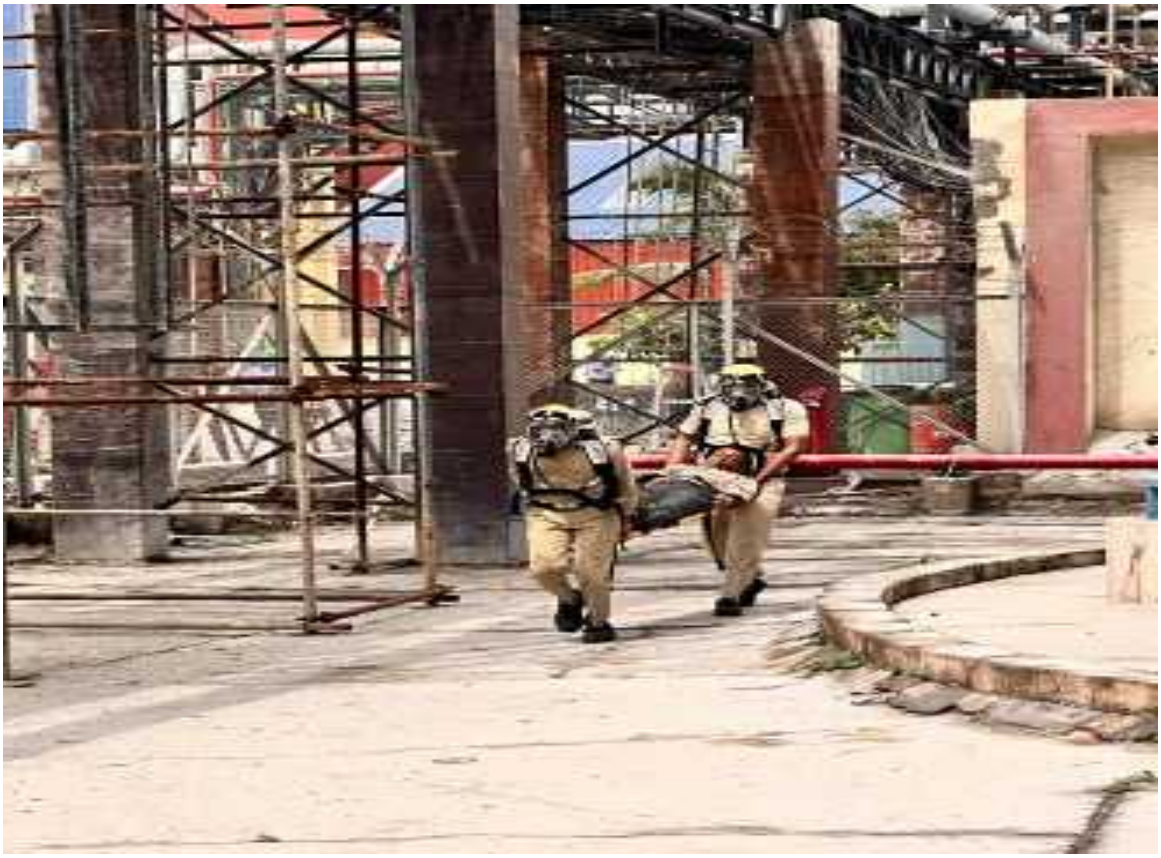
Area Operators Closed the Horton sphere liquid outlet valve



Fire Emergency Team reached at the incident location



Fire Crew started water monitor near Horton Sphere



Affected Person being rescued by Fire Crew



Fire Crew shifted affected person to the ambulance



Workers assembled at K-II Assembly Points



Two affected persons were brought to Occupational Health Centre (OHC) after being rescued from the Ammonia Storage Area.

The operations at OHC were closely monitored by the Chief Emergency Controller -Unit Head Shri. Rajesh Ruhela, Shri. Pavan Garg, General Manager (Maintenance), Shri. A.K Chaudhary, General Manager (Nano), Shri. S.U Ansari, Jt. general Manager (Production), Shri. Jitendra Singh, Jt. general Manager (Technical), Smt. Bhavna Garg. DGM(P&A).





Post Briefing Meeting Conducted at ERC under the Chairmanship of Unit Head Shri. Rajesh Ruhela.

TIME	EVENTS
14.30	Subsequently, Mr. Shaikh Zuber Ahmed (O/S) informed the Fire Control Room on emergency telephone No. 4555 regarding the heavy ammonia leakage and the requirement to declare the situation as a Level 2 emergency. Mr. Shaikh Zuber Ahmed further informed the Plant Dispensary to arrange and send an ambulance
14:31	The message was received at the Fire Control Room by Fire Shift In charge Mr. Dharmendra Sonagara The Fire Crew took the turn out immediately to the scene of incident. All Fire Pump kept on auto mode from Control room.
14:32	Site Main Controller, Chief Manager (Utilities) Emergency siren blown as instructed by Field operator. In field Brijesh Badiyavadara and technicians closed the Horton Sphere Liquid Outlet Valve.
14:32	On hearing the siren, security in charge advised guards to stop vehicles entering the factory premises
14:33	After Observing the wind direction that was South-West to North-East direction the Foam Tender & Ambulance reached at Emergency site through Safe Rescue Route, the Fire Vehicles & Ambulance were parked at safe place with safe distance from the Ammonia leakage area.
14:34	Shri Rajesh Ruhela, General Manager arrived at the Fire Control room and taken over the charge as Chief Emergency Controller.
14:34	The Fire crew started the work for finding the affected person and diluting the ammonia vapors by spraying water through two fixed monitors from the fire hydrant line after the consulting with incident controller.
14:35	Our rescue team member, after wearing the Breathing Apparatus set, approached the ammonia cloud area, removed the affected person from harmful area and laid him on ambulance stretcher.
14:35	People gathered at assembly points i.e., Workshop, NPK K-II ground floor and Bus Stand.
14:36	The First affected person Mr. Ramesh Yadav reached at Plant Dispensary. Ambulance was sent back to the incident site to take another affected person.
14:36	GM (Maint.), JGM (Technical), GM (Nano), Jt. GM (Production), DGM (P&A), reported to Unit Head at Emergency Control Center.
14:38	The second affected person, Mr. Dinesh, reached Plant Dispensary. Ambulance was sent back to the incident site to take another affected person.
14:39	Rescue Members searched for if there was any other affected person in the area.
14:40	Rescue team members reported to Site Main Controller that there were no more affected persons found in the area and Site Main Controller declared that there were no more affected persons on the Incident site.
14:40	The operators came out and reported that the Ammonia leakage has completely stopped. The Contaminated toxic vapors of Ammonia were diluted by spraying water. Representatives from Laboratory checked concentration of ammonia in the area. On receiving instructions from Site Main Controller to Fire and Safety supervisor water spraying was stopped.

14:41	Site Main Controller with joint discussion from Fire & Safety Incharge reported to Chief Emergency Controller that leakage is arrested and there is no more toxic concentration hazard in the atmosphere and the emergency is over.
14:41	Site Main Controller asked to blow all clear siren and accordingly all clear siren were blown for Two Minutes continuously from Fire Control Room.
14:44	Ambulance returned to the dispensary as there were no affected persons as informed by the Incident Controller.
14:45	Fire Tender with crew reached Fire Station.

A Post briefing meeting was conducted for this surprise mock (Information was with only Unit Head IFFCO Kandla & Section Head - Fire & Safety) at Emergency Response Centre under the chairmanship of our Unit head Shri. Rajesh Ruhela, Senior General Manager, all HOD's and Sectional Heads were present at the meeting. The following points were discussed in the meeting and instructed in the concerned regarding implementation of the following observations.

Attendees of the meeting:

	Name	Designation
1.	Shri. Rajesh Ruhela – (Chief Emergency Controller)	Unit Head
2.	Shri. Pavan Garg	GM (Maint.)
3.	Shri. A.K Chaudhary	GM (Nano)
4.	Shri. S.U. Ansari	Jt. GM (Prod.)
5.	Shri. Durga Prasad	Jt. GM (Inst)
6.	Shri. Jitendra Singh	Jt. GM (Tech)
7.	Shri Gaurav Gopal	DGM (IT Serv.)
8.	Shri. Devendra Parihar	DGM (IT Serv.)
9.	Shri. Ravi Jaiswal	DGM (Vigilance)
10.	Smt. Bhavna Garg	DGM (P&A)
11.	Shri. Somesh Sharma	Ch. Mgr. (Elect.)
12.	Shri. Sudhakar Vishwakarma	Ch. Manager (GE)
13.	Shri. HR Padsumbiya	Ch. Mgr. (Offsite)
14.	Shri. Suneel Kumar (Observer – Main Gate Assembly Point)	Ch. Mgr. (IT Serv.)
15.	Shri. Mahendra Singh	Ch. Mgr. (NPK-I)
16.	Shri. Younas Katika	Ch. Mgr. (NPK-II)
17.	Shri. L R Rao (Observer -OHC)	Ch. Mgr. (Mech K-I)
18.	Shri. Jignesh Patel	Ch. Mgr. (Mech K-II)
19.	Shri. Vinod Yadav (Observer – F&S Control Room)	Ch. Mgr. (Electrical)
20.	Shri Ruchik Trivedi (Observer – W/s Assembly Point)	Ch. Mgr. (Mech. Services.)
21.	Shri. P.P Parmar	Ch. Mgr. (Tpt.)
22.	Maj. Arun Kumar Singh	CSO
23.	Shri. Vipul Kumar Kabrawala	Sr. Manager (NPK-II)
24.	Shri. Pankaj Gulati (Observer – Ammonia)	Sr. Manager (GE)
25.	Shri Sukrit Shrivastava	Sr. Manager (PE)
26.	Shri. Sauhard Rawat	DM (F&S)
27.	Dr. Keyur Patel	Asst CMO
28.	Shri. Rohit Yadav (Observer – NPK-II Assembly Point)	Sr. Engineer (Mech. K-II)
29.	Shri. Arpit Nagpure	Engineer (F&S)

Minutes of Meeting (MoM)
Post Onsite Emergency Mock Drill

Key Observations & Discussion Points:

1. Ambulance Movement & Medical Preparedness
    i. The corridor between the ambulance parking area and the patient bed is very narrow. In case of an ammonia-affected patient, decontamination (water washing) cannot be carried out properly due to the limited space.
    ii. Ambulance driver was found wearing slippers instead of safety shoes. This is not in compliance with the required safety PPE.
    iii. Ambulance access to the patient bed should be improved by providing a wider corridor to facilitate the safe movement of patients

2. Safety During Gas Monitoring
    i. It was observed that the person carrying out gas monitoring was wearing an ABEK-1 cartridge mask instead of an SCBA set.

3. Assembly Point Management
    i. It was observed that some contractor workers were confused between the Emergency siren of Gas Leakage Siren and the Shift Change Siren (shift change siren at 14:20 hrs).
    ii. Contractor workers should be instructed to immediately board the designated buses during an emergency without waiting for instructions or assistance.
    iii. It was observed that some of the buses were being driven at a very high speed during the emergency.
4. Other Observations:
    i. At incident site near old ammonia control room there were unwanted material (Valves) obstructing the operations of fire fighting team.
    ii. The stretcher strap became loose during the rescue operation.
    iii. Security personnel reached the incident site without wearing respiratory protection masks.
    iv. Security personnel did not have proper communication equipment (Motorola walkie-talkie sets) for effective communication during the emergency.
    v. It was observed that the railway barrier gate at the Main Gate remained closed for approximately 30 seconds despite there being no movement of railway wagons, and the security personnel were not present at their designated location to operate the barrier gate.
    vi. All bus drivers should be made aware of the speed limits and the locations of all emergency gates.

Sauhard Rawat
Dy. Manager (F&S)

Annexure XI

FORM NO. 37

(Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under Section 7-A (2) (E).

1 Name of the Department/Plant.: **M/s. Indian Farmers Fertilizer Co. Ltd.** Kandla Unit, Kutch, 372010. Phosphoric Acid, Ammonia, NP / NPK Fertilizers

2 Raw materials, by-products and finished Products involving in the process:

3 Date Of Sampling: 05/05/2026 (10:26 Hrs.)

4 Particulars of sampling: as per below table

Sr. No.	Location/ Operation Mentioned	Identified conta-minant	Sampling instrument used	Airborne Contamination		Average	TWA concen-tration (As given in second schedule)	Reference method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in block letter)
				Number of samples	Range							
1	2	3	4	5	6	7	8	9	10	11	12	13
1.	Between Horton Spheres	Ammonia	Gaseous Analyzer	1 No.	mg/Nm^3	5.1	35*	OSHA ID-188	4	Complied		Jay Dhobi
2.	Near Granulator 'A' Train	Ammonia	Gaseous Analyzer	1 No.	mg/Nm^3	4.4	35*	OSHA ID-188	5	Complied		Jay Dhobi
3.	Near Granulator 'B' Train	Ammonia	Gaseous Analyzer	1 No.	mg/Nm^3	3.2	35*	OSHA ID-188	4	Complied		Jay Dhobi

Annexure XI

FORM NO. 37

(Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under Section 7-A (2) (E).

4.	Near Granulator 'C' Train	Ammonia	Gaseous Analyzer	1 No.	mg/Nm³	5.1	35*	OSHA ID-188	4	Complied		Jay Dhobi
5.	Near Granulator 'D' Train	Ammonia	Gaseous Analyzer	1 No.	mg/Nm³	3.3	35*	OSHA ID-188	3	Complied	Jay	Jay Dhobi
6.	Near Granulator 'E' Train	Ammonia	Gaseous Analyzer	1 No.	mg/Nm³	7.0	35*	OSHA ID-188	5	Complied	Jay	Jay Dhobi
7.	Near Granulator 'F' Train	Ammonia	Gaseous Analyzer	1 No.	mg/Nm³	9.6	35*	OSHA ID-188	4	Complied	Jay	Jay Dhobi
8.	Near NH_3 Storage Tank – A	Ammonia	Gaseous Analyzer	1 No.	mg/Nm³	3.0	35*	OSHA ID-188	5	Complied	Jay	Jay Dhobi
9.	Near NH_3 Storage Tank – B	Ammonia	Gaseous Analyzer	1 No.	mg/Nm³	3.1	35*	OSHA ID-188	1	Complied	Jay	Jay Dhobi
10.	Near NH_3 Storage Tank – C	Ammonia	Gaseous Analyzer	1 No.	mg/Nm³	1.5	35*	OSHA ID-188	3	Complied	Jay	Jay Dhobi

Annexure XI

FORM NO. 37

(Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under Section 7-A (2) (E).

11.	Near PN Tank 'A' Train	Ammonia	Gaseous Analyzer	1 No.	mg/Nm^3	3.0	35*	OSHA ID-188	2	Complied		Jay Dhobi
12.	Near PN Tank 'B' Train	Ammonia	Gaseous Analyzer	1 No.	mg/Nm^3	5.1	35*	OSHA ID-188	1	Complied		Jay Dhobi
13.	Near PN Tank 'C' Train	Ammonia	Gaseous Analyzer	1 No.	mg/Nm^3	5.0	35*	OSHA ID-188	2	Complied		Jay Dhobi
14.	Near PN Tank 'D' Train	Ammonia	Gaseous Analyzer	1 No.	mg/Nm^3	4.3	35*	OSHA ID-188	1	Complied		Jay Dhobi

* As per Factory act short term exposure limit

Annexure XI

FORM NO. 37

(Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under Section 7-A (2) (E).

1 Name of the Department/Plant.: **M/s. Indian Farmers Fertilizer Co. Ltd.** Kandla Unit, Kutch, 372010.

2 Raw materials, by-products and finished Products involving in the process: Phosphoric Acid, Ammonia, NP / NPK Fertilizers

3 Date Of Sampling: 05/05/2026

4 Particulars of sampling: as per below table

Sr. No.	Location/ Operation Mentioned	Identified conta-minant	Sampling instrument used	Airborne Contamination		Average	TWA concen-tration (As given in second schedule)	Reference method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in block letter)
				Number of samples	Range							
1	2	3	4	5	6	7	8	9	10	11	12	13
1.	Air Compressor	Noise	Sound Level Meter	1 No.	db(A)	80.3	85*	Electronics Instrument method	3	Complied		Jay Dhobi
2.	Ammonia Compressor House	Noise	Sound Level Meter	1 No.	db(A)	78.9	85*	Electronics Instrument method	2	Complied		Jay Dhobi
3.	Dryer Floor AB Train	Noise	Sound Level Meter	1 No.	db(A)	78.1	85*	Electronics Instrument method	5	Complied		Jay Dhobi

Annexure XI

FORM NO. 37

(Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under Section 7-A (2) (E).

4.	Dryer Floor CD Train	Noise	Sound Level Meter	1 No.	db(A)	81.8	85*	Electronics Instrument method	3	Complied		Jay Dhobi
5.	Dryer Floor EF Train	Noise	Sound Level Meter	1 No.	db(A)	76.9	85*	Electronics Instrument method	2	Complied		Jay Dhobi
6.	HAG (K-1)	Noise	Sound Level Meter	1 No.	db(A)	81.0	85*	Electronics Instrument method	3	Complied		Jay Dhobi
7.	HAG (K-II)	Noise	Sound Level Meter	1 No.	db(A)	81.9	85*	Electronics Instrument method	5	Complied		Jay Dhobi
8.	Mechanical Workshop	Noise	Sound Level Meter	1 No.	db(A)	76.8	85*	Electronics Instrument method	4	Complied		Jay Dhobi
9.	Up Plant	Noise	Sound Level Meter	1 No.	db(A)	78.1	85*	Electronics Instrument method	5	Complied		Jay Dhobi
10.	WSF Plant	Noise	Sound Level Meter	1 No.	db(A)	78.8	85*	Electronics Instrument method	4	Complied		Jay Dhobi

* As per Factory act short term exposure limit

Annexure XI

FORM NO. 37

(Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under Section 7-A (2) (E).

1 Name of the Department/Plant.: **M/s. Indian Farmers Fertilizer Co. Ltd.** Kandla Unit, Kutch, 372010.

2 Raw materials, by-products and finished Products involving in the process: Phosphoric Acid, Ammonia, NP / NPK Fertilizers

3 Date Of Sampling: 12/08/2026 (11:44 Hrs.)

4 Particulars of sampling: as per below table

Sr. No.	Location/ Operation Mentioned	Identified conta-minant	Sampling instrument used	Airborne Contamination		Average	TWA concen-tration (As given in second schedule)	Reference method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in block letter)
				Number of samples	Range							
1	2	3	4	5	6	7	8	9	10	11	12	13
1.	Between Horton Spheres	Ammonia	Gaseous Analyzer	1 No.	ppm	5.0	35*	NIOSH 6016	4	Complied		Jaydeep Prajapati
2.	Near Granulator 'A' Train	Ammonia	Gaseous Analyzer	1 No.	ppm	4.2	35*	NIOSH 6016	5	Complied		Jaydeep Prajapati
3.	Near Granulator 'B' Train	Ammonia	Gaseous Analyzer	1 No.	ppm	3.0	35*	NIOSH 6016	4	Complied		Jaydeep Prajapati

Annexure XI

FORM NO. 37
(Prescribed under Rule 12-B)
Register containing particulars of monitoring of working environment required under Section 7-A (2) (E).

4.	Near Granulator 'C' Train	Ammonia	Gaseous Analyzer	1 No.	ppm	4.8	35*	NIOSH 6016	4	Complied		Jaydeep Prajapati
5.	Near Granulator 'D' Train	Ammonia	Gaseous Analyzer	1 No.	ppm	3.1	35*	NIOSH 6016	3	Complied		Jaydeep Prajapati
6.	Near Granulator 'E' Train	Ammonia	Gaseous Analyzer	1 No.	ppm	6.5	35*	NIOSH 6016	5	Complied		Jaydeep Prajapati
7.	Near Granulator 'F' Train	Ammonia	Gaseous Analyzer	1 No.	ppm	8.4	35*	NIOSH 6016	4	Complied		Jaydeep Prajapati
8.	Near NH_3 Storage Tank – A	Ammonia	Gaseous Analyzer	1 No.	ppm	3.6	35*	NIOSH 6016	5	Complied		Jaydeep Prajapati
9.	Near NH_3 Storage Tank – B	Ammonia	Gaseous Analyzer	1 No.	ppm	3.0	35*	NIOSH 6016	1	Complied		Jaydeep Prajapati
10.	Near NH_3 Storage Tank – C	Ammonia	Gaseous Analyzer	1 No.	ppm	1.9	35*	NIOSH 6016	3	Complied		Jaydeep Prajapati

Annexure XI

FORM NO. 37
(Prescribed under Rule 12-B)
Register containing particulars of monitoring of working environment required under Section 7-A (2) (E).

11.	Near PN Tank 'A' Train	Ammonia	Gaseous Analyzer	1 No.	ppm	2.8	35*	NIOSH 6016	2	Complied		Jaydeep Prajapati
12.	Near PN Tank 'B' Train	Ammonia	Gaseous Analyzer	1 No.	ppm	4.9	35*	NIOSH 6016	1	Complied		Jaydeep Prajapati
13.	Near PN Tank 'C' Train	Ammonia	Gaseous Analyzer	1 No.	ppm	4.2	35*	NIOSH 6016	2	Complied		Jaydeep Prajapati
14.	Near PN Tank 'D' Train	Ammonia	Gaseous Analyzer	1 No.	ppm	4.0	35*	NIOSH 6016	1	Complied		Jaydeep Prajapati

* As per Factory act short term exposure limit

Annexure XI

FORM NO. 37

(Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under Section 7-A (2) (E).

1 Name of the Department/Plant.: **M/s. Indian Farmers Fertilizer Co. Ltd.** Kandla Unit, Kutch, 372010.

2 Raw materials, by-products and finished Products involving in the process: Phosphoric Acid, Ammonia, NP / NPK Fertilizers

3 Date Of Sampling: 12/08/2026 (10:20 Hrs.)

4 Particulars of sampling: as per below table

Sr. No.	Location/ Operation Mentioned	Identified conta-minant	Sampling instrument used	Airborne Contamination		Average	TWA concen-tration (As given in second schedule)	Reference method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in block letter)
				Number of samples	Range							
1	2	3	4	5	6	7	8	9	10	11	12	13
1.	Air Compressor	Noise	Sound Level Meter	1 No.	db(A)	82.3	85*	Electronics Instrument method	4	Complied		Jay Dhobi
2.	Ammonia Compressor House	Noise	Sound Level Meter	1 No.	db(A)	78.5	85*	Electronics Instrument method	2	Complied		Jay Dhobi
3.	Dryer Floor AB Train	Noise	Sound Level Meter	1 No.	db(A)	78.2	85*	Electronics Instrument method	5	Complied		Jay Dhobi

Stride Green Technologies LLP

Annexure XI

FORM NO. 37

(Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under Section 7-A (2) (E).

4.	Dryer Floor CD Train	Noise	Sound Level Meter	1 No.	db(A)	81.4	85*	Electronics Instrument method	5	Complied		Jay Dhobi
5.	Dryer Floor EF Train	Noise	Sound Level Meter	1 No.	db(A)	76.4	85*	Electronics Instrument method	3	Complied		Jay Dhobi
6.	HAG (K-1)	Noise	Sound Level Meter	1 No.	db(A)	82.6	85*	Electronics Instrument method	3	Complied		Jay Dhobi
7.	HAG (K-II)	Noise	Sound Level Meter	1 No.	db(A)	81.7	85*	Electronics Instrument method	4	Complied		Jay Dhobi
8.	Mechanical Workshop	Noise	Sound Level Meter	1 No.	db(A)	76.2	85*	Electronics Instrument method	6	Complied		Jay Dhobi
9.	Up Plant	Noise	Sound Level Meter	1 No.	db(A)	79.6	85*	Electronics Instrument method	7	Complied		Jay Dhobi
10.	WSF Plant	Noise	Sound Level Meter	1 No.	db(A)	78.4	85*	Electronics Instrument method	5	Complied		Jay Dhobi

* As per Factory act short term exposure limit

Annexure-XII

Details of stock of toxic/hazardous raw material with quantity at IFFCO Kandla

Raw Material /Hazardous Chemicals	Type of Storage Tanks	Storage Capacity	Closing Stock as on 30.09.2026
Ammonia	Insulated Horton Sphere, Stored at 3.0 Kg/cm^2	Two Horton spheres of capacity 1500 MT each	10612.053 MT
	Double Wall Double Integrity Atmospheric Ammonia Storage Tanks	Tank-A: 10000 MT Tank-B: 5000 MT Tank-C: 15000 MT	
	Total	**33,000 MT**	
Phosphoric acid	Vertical Cylindrical MSRL Storage Tanks	10 Nos. of Tanks of capacity 10,000 MT Bulk each.	29058.054 MT (As 100% P_2O_5)
	Total	**1,00,000 MT Bulk**	
Concentrated Sulphuric Acid	Vertical Cylindrical Mild Steel Storage Tank	2 Nos. of tanks of capacity 5,000 MT each	864.869 MT
	Total	**10,000 MT**	
LSHS	Vertical Cylindrical Mild Steel Storage Tanks	2 nos. of tanks of capacity 391 KL and 250 KL	289.534 MT
	Total	**641 KL**	
HCl	Vertical Cylindrical Mild teel Storage Tanks	2 Nos. of tanks of capacity 38 MT each	23.6 MT
	Total	**76 MT**	
Caustic Soda Lye	Vertical Cylindrical Stainless-Steel Tank	1 Tank of capacity **68 MT**	43.2 MT
Diesel	Underground Storage Tanks	2 Nos. of underground Storage Tank of capacity 20 KL each	12.021 KL
	Total	**40 KL**	

INDIAN FARMERS FERTILISER COOPERATIVE LIMITED

KANDLA UNIT

Refresher Training on Operation of Fire & Safety Equipment's

06th July, 2026

Different types of Fire & Safety Equipment's have been installed within our plant according to the requirement. Most of them are meant for tackling small Fires/Gas leakage at its starting stage. In case of failure to control the emergency at its incipient stage the emergency may spread at very rapid rate and may cause unpredictable loss to life & property. The prevention of small fire / Gas leak at work place is possible only by the employees working in that area. Looking to this proper training for correct use of these Fire & Safety equipment's was scheduled from 15/06/2026 to 03/07/2026 in different locations of plant area so that emergency can be controlled in its starting stage & we can handle any emergency more confidently.

Active participation of Employees and Contract Workmen was shown in refresher training. Some glimpses are as below: -








WORK SHOP















Total presence of Employees & Contract Workmen is shown below

Sr. No	Employees working in	Location of Demonstration	Date	Employees	Contractor Workmen
1.	NPK (K-I)	Near CD Train Control room	15.06.26	31	20
2.	NPK (K-II)	Near EF Train Control room	16.06.26	20	20
3.	Bagging	Bagging floor near Control Room	17.06.26	16	43
4.	Offsite (K-I), MRSS (K-I)	In front of Offsite (K-I) office.	18.06.26	19	48
5.	Offsite (K-II), NPK (Mech/Maint) K-II	Near NPK (Mech/Maint)-K-II office	19.06.26	06	15
6.	Mech/Maint (Offsite)	In front of Mech/Maint (Offsite)-K-I	20.06.26	04	18
7.	Ammonia Storage	New Ammonia Storage area	22.06.26	07	01
8.	Store(K-I), NPK (Mech/Maint)- K-I, Workshop, Laboratory	In front of Store (K-I)	23.06.26	16	15
9.	Elect (K-I), Inst (K-I), Auto workshop	Near Elect Work Shop (K-I)	24.06.26	16	05
10.	Nirman Bhavan, Inst (K-II) Training Center, Elect (K-II)	In front of Nirman Bhavan	25.06.26	06	05
11.	Technical Building	In front of Technical Building	26.06.26	11	00
12.	Security, Time Office, Medical	In front of Security Main Gate.	27.06.26	04	27
13.	Talwar Bhavan	In front of Talwar Bhavan	29.06.26	21	00
14.	Zinc Sulphate & Urea Phosphate, HAG K-II Plant	Between both Plant	30.06.26	07	33
15.	Contractor Shed	In front of Contractor Shed	01.07.26	00	31
16.	Mechanical PH	Near Bagging Maint office	02.07.26	08	07
		Township			
17.	Security	Main Gate	03.07.2026	00	14
18.	Estate, Electrical	Estate Office		02	00
19.	Guest House	Guest House		00	00
20.	Dispensary	Dispensary		04	15
TOTAL = 505 (198+307)				**198**	**307**

Sauhard Rawat
Dy. Manager (F&S)

INDIAN FARMERS FERTILISER COOPERATIVE LIMITED
KANDLA UNIT

SAFETY TRAINING REPORT

Safety Training was started for the employees of the Offsite Section on 19.08.2026 to 21.08.2026 in front of the Ammonia Control Room. The training was conducted in all three shifts, i.e. shifts A, B and C.

The training was conducted to provide employees with practical knowledge of the Fire & Safety equipment provided in the Ammonia Section and to demonstrate the correct method of using the equipment during emergency situations.

During the training, the operation, correct method of wearing/using the equipment and important safety precautions were explained and demonstrated. Employees were also briefed on the use of appropriate equipment during an emergency and the basic first aid measures to be followed in case of chemical exposure. The training was intended to improve the employees' familiarity with the equipment and help them take timely and appropriate action during an emergency.

Topics covered under this training are as follows:

1. Self-Contained Breathing Apparatus (SCBA)
2. Use of Fire Extinguishers
3. ABEK-1 Full Face Mask – Cartridge Type
4. Personal Escape Mask (Escape Hood)
5. Ammonia Encapsulated Gas-Tight Suit
6. Emergency Life Saving Apparatus (ELSA)
7. First Aid Measures for Chemical Exposure

Self-Contained Breathing Apparatus (SCBA)





Use of Fire Extinguishers





ABEK-1 Full Face Mask – Cartridge Type



Emergency Life Saving Apparatus (ELSA)



Ammonia Encapsulated Gas-Tight Suit





Sauhard Rawat
Dy. Manager (F&S)

Annexure XIV

Stride Green Technologies LLP

Test Report

F/OPN/12
Issue No.: 02
Page 1 of 1

Noise Measurement

Report No.	N/08/114/26-27	Date of Issue	17/08/2026
Name and address of customer	**M/s. Indian Farmers Fertilizer Co. Ltd,** Kandla Unit, Kutch, 372010.		
Discipline	Chemical	Group	Atmospheric Pollution
Sample Description	Noise Level	Sampling Location	As per Below location
Date of Sampling	12/08/2026	Time of sampling	06:00 AM to 10:00 PM 10:00 PM to 06:00 AM
Type of sampling	Ambient	Sampling By	SGT Team
Date of testing	12/08/2026	Sampling Method	IS 9989:1981
Location of test performed	At Site	Sample ID	N/08/114
Sampling plan	E/SYS/09	Environmental Condition during sampling	Clear

Equipment used for testing

Equipment Name	Sound Level Meter	Equipment Id No.	200801790
Equipment Make / Model	Metravi / SL-4015	Calibration due date	19-02-2026

Test Results

Sr. No	Name of Location	OBSERVATION			
		DAY TIME		NIGHT TIME	
		dB(A)	Norms dB(A)	dB(A)	Norms dB(A)
1.	Nr. Main Gate	72.4	75	66.9	70
2.	Nr. STP	68.2	75	63.8	70
3.	Nr. Admin Building	60.0	75	56.8	70
4.	Nr. Boiler	71.8	75	65.4	70
5.	Nr. Training Centre	64.6	75	62.5	70
6.	Nr. R & D Lab	65.8	75	61.0	70
7.	Nr. Coal Storage Area	63.2	75	57.5	70

Remarks →

- Test results relates to the sample tested only.
- Test Report shall not be reproduced except in full, without written approval of the Laboratory.

Mr. Jignesh Prajapati		Mr. Love Patadiya
Chemist		Quality Manager
Tested By		Reviewed and Approved By

Stride Green Technologies LLP

---------- End of Test Report ----------

IFFCO
Wholly owned by Cooperatives
KANDLA UNIT

इंडियन फार्मर्स फर्टिलाइजर कोऑपरेटिव लिमिटेड
INDIAN FARMERS FERTILISER CO-OPERATIVE LIMITED

20.11.2025

To,
The General Manager,
District Industry Centre,
Bhuj - Kutch.

Reference:
Environment Clearance by MoEF&CC vide Letter No. J-11011/202/2009-IA II(I) dated 31.10.2025.

Subject: Request to display of Environment Clearance vide Letter No. J-11011/202/2009-IA II(I) dated 31.10.2025 granted for "Product mix change without increase in production capacity of Existing Fertilizer Plant for Manufacturing of Nano NPK Fertilizer (Nano Fertilizer), Kandla Plant at P.O. Box No. 12, Kandla, District-Kutch, Gujarat-320210 by M/s Indian Farmers Fertiliser Cooperative Limited (IFFCO) - Grant of prior Environmental Clearance (EC) to the proposed project under the provision of the EIA Notification 2006 -regarding."

Respected Sir/Madam,

We wish to inform you that MoEF&CC has granted Environment Clearance vide Letter No. *J-11011/202/2009-IA II(I)* dated 31.10.2025. As per the directive of this clearance, General Conditions clause no. 33, the clearance letter is to be displayed for 30 days from the date of receipt and the same is being attached. It is also available at Ministry Website- https://parivesh.nic.in.

Hence, we hereby earnestly request to kindly display the same.

Thanking You,
Yours Faithfully,

Authorized Signatory
Indian Farmers Fertiliser Cooperative (IFFCO)

MAUJILAL SAW
Jt. General Manager (Nano)
INDIAN FARMERS FERTILISER COOPERATIVE
KANDLA - KUTCH

21/11/25
ઇન્ડસ્ટ્રી કલાર્ક
ઉદ્યોગ કેન્દ્ર
ભુજ-કચ્છ.

Annexure-XV

IFFCO
Wholly owned by Cooperatives
KANDLA UNIT

इंडियन फार्मर्स फर्टिलाइजर कोऑपरेटिव लिमिटेड
INDIAN FARMERS FERTILISER CO-OPERATIVE LIMITED

20.11.2025

To,
The District Collector,
Collector's Office, Bhuj - Kutch

Reference:
Environment Clearance by MoEF&CC vide Letter No. J-11011/202/2009-IA II(I) dated 31.10.2025.

Subject: Request to display of Environment Clearance vide Letter No. J-11011/202/2009-IA II(I) dated 31.10.2025 granted for "Product mix change without increase in production capacity of Existing Fertilizer Plant for Manufacturing of Nano NPK Fertilizer (Nano Fertilizer), Kandla Plant at P.O. Box No. 12, Kandla, District-Kutch, Gujarat-320210 by M/s Indian Farmers Fertiliser Cooperative Limited (IFFCO) - Grant of prior Environmental Clearance (EC) to the proposed project under the provision of the EIA Notification 2006 -regarding."

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Thanking You,
Yours Faithfully,

Authorized Signatory
Indian Farmers Fertiliser Cooperative (IFFCO)

MAUJILAL SAW
Jt. General Manager (Nano)
INDIAN FARMERS FERTILISER COOPERATIVE
KANDLA - KUTCH

કારકુન
21/11/25
રજીસ્ટ્રી (આવક) શાખા.
કલેકટર કચેરી.

ISO 9001:2015
ISO 14001:2015
ISO 45001:2018
ISO 50001:2018
BUREAU VERITAS
Certification

કાંડલા ઇકાઈ / Kandla Unit, कांडला / Kandla, कच्छ / Kutch, (गुजरात) / (Gujarat) - 370 210.
फोन / Phones : 02836 - 254000, 270381, 270382, फेक्स / Fax : 028036 - 270642
E-mail : iffco_kandla@iffco.in • Website : www.iffco.in • IFFCO_PR • IFFCO.COOP

Annexure-XV

IFFCO
Wholly owned by Cooperatives
KANDLA UNIT

इंडियन फार्मर्स फर्टिलाइजर कोऑपरेटिव लिमिटेड
INDIAN FARMERS FERTILISER CO-OPERATIVE LIMITED

20.11.2025

To,
The District Development Officer,
Bhuj - Kutch.

Reference:
Environment Clearance by MoEF&CC vide Letter No. J-11011/202/2009-IA II(I) dated 31.10.2025.

Subject: Request to display of Environment Clearance vide Letter No. J-11011/202/2009-IA II(I) dated 31.10.2025 granted for "Product mix change without increase in production capacity of Existing Fertilizer Plant for Manufacturing of Nano NPK Fertilizer (Nano Fertilizer), Kandla Plant at P.O. Box No. 12, Kandla, District-Kutch, Gujarat-320210 by M/s Indian Farmers Fertiliser Cooperative Limited (IFFCO) - Grant of prior Environmental Clearance (EC) to the proposed project under the provision of the EIA Notification 2006 -regarding."

Respected Sir/Madam,

We wish to inform you that MoEF&CC has granted Environment Clearance vide Letter No. *J-11011/202/2009-IA II(I)* dated 31.10.2025. As per the directive of this clearance, General Conditions clause no. 33, the clearance letter is to be displayed for 30 days from the date of receipt and the same is being attached. It is also available at Ministry Website- https://parivesh.nic.in.

Hence, we hereby earnestly request to kindly display the same.

Thanking You,
Yours Faithfully,

Authorized Signatory
Indian Farmers Fertiliser Cooperative (IFFCO)

MAUJILAL SAW
Jt. General Manager (Nano)
INDIAN FARMERS FERTILISER COOPERATIVE
KANDLA - KUTCH

૨૧/૧૧/૨૫
આવક કારકુન
જીલ્લા પંચાયત, કચ્છ-ભુજ

Annexure-XV

IFFCO
Wholly owned by Cooperatives
KANDLA UNIT

इंडियन फार्मर्स फर्टिलाइजर कोऑपरेटिव लिमिटेड
INDIAN FARMERS FERTILISER CO-OPERATIVE LIMITED

20.11.2025

To,
The Taluka Development Officer,
Gandhidham, District - Kutch.

Reference:
Environment Clearance by MoEF&CC vide Letter No. J-11011/202/2009-IA II(I) dated 31.10.2025.

Subject: Request to display of Environment Clearance vide Letter No. J-11011/202/2009-IA II(I) dated 31.10.2025 granted for "Product mix change without increase in production capacity of Existing Fertilizer Plant for Manufacturing of Nano NPK Fertilizer (Nano Fertilizer), Kandla Plant at P.O. Box No. 12, Kandla, District-Kutch, Gujarat-320210 by M/s Indian Farmers Fertiliser Cooperative Limited (IFFCO) - Grant of prior Environmental Clearance (EC) to the proposed project under the provision of the EIA Notification 2006 -regarding."

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Hence, we hereby earnestly request to kindly display the same.

Thanking You,
Yours Faithfully,

Authorized Signatory
Indian Farmers Fertiliser Cooperative (IFFCO)

MAUJILAL SAW
Jt. General Manager (Nano)
INDIAN FARMERS FERTILISER COOPERATIVE
KANDLA - KUTCH

તાલુકા પંચાયત કચેરી,
ગાંધીધામ તા. 21/11/25

Annexure XVI

IFFCO
Wholly owned by Cooperatives
KANDLA UNIT

इंडियन फार्मर्स फर्टिलाइजर कोऑपरेटिव लिमिटेड
INDIAN FARMERS FERTILISER CO-OPERATIVE LIMITED

09.04.2026

To,
Unit Head (Kutch District),
Gujarat Pollution Control Board,
Paryavaran Bhavan, Sector 10A,
Gandhinagar - 382010

Sub: Environmental Statement in Form-V for the year ending 31st March-26

Dear Sir,

With reference to the subject matter, please find enclosed herewith the Environmental Statement for the period from 1st April-2025 to 31st March-2026, in the prescribed Form-V, complete in all respects, in compliance with Rule 14 of the Environment (Protection) Amendment Rules, 1992.

Hope you will find the same in order.

Thanking you,

Yours faithfully,
For Indian Farmers Fertilizer Cooperative Limited,

Rajesh Ruhela
General Manager (Technical)

Encl: as above

Cc: The Regional Office (Kutch-East)

IFFCO
Wholly owned by Cooperatives
Kandla Unit

FORM -V

(as per rule 14 of The Environment (Protection) Rules, 1986)

Environmental Statement for the financial year ending the 31st March 2026

PART - A

(i) Name and address of the Owner/ occupier of the Industry, operation or Process.	: **INDIAN FARMERS FERTILISER CO-OP. LTD.** **KANDLA UNIT, KUTCH DISTRICT** **P.O. KANDLA, GUJARAT - 370 210.**
(ii) Industry Category Primary - (STC code) Secondary - (SIC code)	: : State Industries Commissionerate Code = 041100300 00.
(iii) Production Capacity (in terms of MT of P_2O_5)	: 910,000 MTPA
(iv) Year of establishment	: 1974
(v) Date of the last Environmental Statement submitted	: 15th April 2025

PART - B

Water and Raw Material consumption

(i) Water consumption in m^3/day & consumption per MT of product:

Water consumed in	Water consumption in m^3/day	
	During the previous Financial year 2024-25	During the current Financial Year 2025-26
Process	756	610
Cooling	120	120
Domestic	230	230
Total	**1106**	**960**

Name of the products	Water consumption per MT of product	
Phosphatic Fertilisers of the following grades	During the previous Financial year 2024-25	During the current Financial Year 2025-26
Grade 10:26:26	0.124628	0.099411
Grade 12:32:16	0.138701	0.126070
DAP 18:46:00	0.176371	0.166298

(ii) Raw Material Consumption:

a) Consumption during the Financial Year 2024-25:

Raw Materials	Products	Unit	Consumption per MT of product		
			10:26:26	**12:32:16**	**18:46:00**
Phos. acid (as 100 % P_2O_5)	**NPK 10:26:26**	MT	0.2616	0.3217	0.4622
Ammonia		MT	0.1163	0.1385	0.2113
MAP	**NPK 12:32:16**	MT	-	-	0.0005
Urea		MT	0.0107	0.0148	0.0155
Potash	**DAP 18:46:00**	MT	0.4369	0.2687	-
Filler		MT	0.0255	0.0440	0.0268
Sulphuric acid		MT	0.0099	0.0126	0.0114

b) Consumption during the Current Financial Year 2025-26:

Raw Materials	Products	Unit	Consumption per MT of product		
			10:26:26	**12:32:16**	**18:46:00**
Phos. acid (as 100 % P_2O_5)	**NPK 10:26:26**	MT	0.2638	0.3247	0.4666
Ammonia		MT	0.1151	0.1367	0.2110
MAP	**NPK 12:32:16**	MT	-	-	-
Urea		MT	0.0133	0.0186	0.0171
Potash	**DAP 18:46:00**	MT	0.4377	0.2694	-
Filler		MT	0.0311	0.0440	0.0324
Sulphuric acid		MT	0.0091	0.0101	0.0092

PART - C

(i) Pollution Discharged to the Environment / Unit of output: (Parameters are as specified in the consent issued) for 2025-26:

Pollutant	Nature	Parameter	Limit as specified in the Consent Order	Quantity of pollutant discharged (kgs/day)	Actual Avg. concentration of pollutants in discharge (mg/L)	Percentage variation from prescribed standard with reasons
(1)	(2)	(3)	(4)	(5)	(6)	(7)
(a) Water	Industrial Effluents	Nil	Not Applicable	Not Applicable	Not Applicable	Not Applicable
(b) Water	Domestic Sewage Water	pH	5.5 – 9.0	Treated domestic water of around 200 to 250 m^3/day is reused in the process and for horticulture purpose.	6.9	-
		Biological Oxygen Demand (BOD)	10 mg/L		8.1	Concentration of pollutants in treated domestic sewage water are well within the specified limits
		Total Suspended Solids (TSS)	20 mg/L		16.6	
		Chemical Oxygen Demand (COD)	50 mg/L		40.8	
		Nitrogen-Total	10 mg/L		8.9	
		Fecal Coliform	Desirable 100 MPN/100 ml, Permissible 230 MPN/100 ml		0	

Note: 1. Actual concentration of all the pollutants are well within the limits specified in the Common Consent Order issued by GPCB.

2. Concentration of pollutants as shown in Col. (6) are averages taken from the monthly analysis reports that are submitted regularly to GPCB.

Air Emission details for the NPK Process Plant Stack and the Boiler Stack for 2025-26:

Pollutants	Nature	Parameters	Limits as specified in the Consent Order	Actual Quantity of pollutants in Air emissions (MT/day)	Actual Concentration of pollutants in Air emissions (mg/NM^3)	Percentage variation from prescribed standard with reasons
(1)	(2)	(3)	(4)	(5)	(6)	(7)
(c) Air	Emissions from Process plant stacks	Ammonia (mg/NM^3)	175	1.00	26.35	Concentration of all the pollutants in air emissions are well within the specified limits
		SPM (mg/NM^3)	150	2.22	57.37	
		Fluorides (mg/NM^3)	10	0.06	1.49	
	Emission from Boiler Stack	SPM (mg/NM^3)	150	0.0915	127.04	
		SOx (ppm)	100	0.1205	63.89	
		NOx (ppm)	50	0.0560	41.36	

Note : 1. Actual concentration of all pollutants are well within the limits specified in the Consent Order issued by GPCB.

2. Concentration of pollutants as shown in Col. (6) are averages taken from the monthly analysis reports that are submitted regularly to GPCB.

PART - D

Hazardous Wastes

(as specified under the Hazardous Wastes Management & Handling Amendment Rules, 2002).

Hazardous wastes	Total quantity generated in Liters	
	During the previous Financial year 2024-25	During the current Financial Year 2025-26
(a) From process plant	Not applicable	Not applicable
(b) From pollution control facilities	Not applicable	Not applicable
(c) From use of lubricating, system & transformer oil. Total stock as on 31st March	8.973 MT of spent oil generated and the stock as on 31.03.2025 is 1.910 MT. 8.018 MT of spent oil is completely used internally in lubrication of Flight conveyors in NPK/DAP plant, Slat conveyors in Bagging plant and Railway siding etc.	9.490 MT of spent oil generated and the stock as on 31.03.2026 is 1.600 MT. 9.800 MT of spent oil is properly disposed off through GPCB registered recycler.

PART - E

Solid Wastes

Solid wastes	Total quantity generated in Kgs.	
	During the previous financial year	During the current financial year
(a) From process plant	No solid mud on dry basis has been generated from the manufacturing of Zinc Sulphate monohydrate plant as the plant is shutdown.	No Solid Waste has been generated from the process plant during the current financial year.
(b) From pollution control facilities	Dried sludge consisting of only organic matter, obtained from the domestic sewage treatment plant. Maximum quantity generated is approximately 7 kgs/day.	
(c) Quantity recycled or re-used	Entire quantity of sludge from domestic sewage treatment plant is dried in sludge drying beds and dried sludge is used as manure for horticulture within the factory premises.	
(d) Quantity sold	Nil	
(c) Quantity disposed	EC & CTE for modernisation of existing Zinc Sulphate Plant to proposed Nano NPK plant have been granted. In view of the above, a total of 131.84 MT of Zinc Ash (Raw Material for Zinc Sulphate) was returned to GPCB Registered Recycler, M/s GG Manufacturer during the year 2025-26.	

PART - F

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

Hazardous Wastes : Used oil comprising of lubricating system & transformer oil which is generated from routine maintenance activity is properly disposed off through GPCB registered recycler.

Solid Waste from process plant : Spent Ion Exchange Resin generated from DM water plant is properly disposed to GPCB registered TSDF operators.

From pollution control facilities : Dry domestic sewage sludge is periodically removed from the sludge drying beds and used as manure or for landfill purposes within the factory premises. This consists of only dry organic matter. Maximum quantity of sludge generated is approximately 7 kgs/ day.

PART - G

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

Better operation and control practices, modernization of instrumentation system i.e. installation of Distribution Control System (DCS) and installation of additional scrubber in the oldest stream has helped in reducing the ammonia & particulate matter emission thereby improving the recovery of nutrients, as a result consumption efficiency of raw materials has improved. Emissions of ammonia from stacks have been reduced considerably. This has been achieved by carrying out minor modifications in the scrubbing system, proper maintaining of process parameter & removing bottlenecks, thereby recovering valuable nutrients from the stack gases. It has also helped in reducing the fertiliser dust emissions.

During operation of the plant all efforts are taken to minimize waste generation and for preservation of resources. Spillages from all around the plant are collected in a central sump and recycled back to the process. The sludge containing nutrients that settles in the network of drains is also recovered and recycled into the process as it contains valuable fertiliser nutrients.

IFFCO Kandla is first industry in Gujarat for implementing the online continuous Emission Monitoring System for ammonia in stack of all six streams. HF monitoring system has also been installed and commissioned in all trains. This has helped in control of scrubber operations. PTZ (Pan Tilt Zoom) camera & flowmeter have been installed in the trench for monitoring/viewing effluent discharge. It has been commissioned and connected to CPCB server.

Treated domestic sewage water is used for gardening purpose and this has helped in reducing the total quantity of water that has to be purchased. This also helps in conservation of water in this region of scarcity.

Green Belt Development: The company has endeavored in maintaining eco-balance by way of tree plantation within the plant premises and development of green belt all around the plant. Extensive plantation is carried out every year, however the survival rate of plants are very low. On going efforts are made to plant additional trees every year. The up-gradation and capacity increase of the domestic sewage treatment plant has helped in increasing greenery within the factory premises by making available sufficient amounts of treated water, which is very scarce in this region. Dry sewage sludge is used for the trees and is helping in reducing the problem of high soil salinity.

Regular monitoring of noise is carried out at various locations in the plant. These measurements show that the noise levels are within the specified limits, wherever the noise levels are high special protective equipment like ear muffs are provided to all persons working in the area.

Scrap materials of various types are reclaimed from various locations in the plant and then stacked properly in its designated place and is disposed off through M/s. Mjunction.

Training programmes are conducted all round the year and training is imparted to all employees on Environment Management System, Environment Protection and Prevention of Pollution.

PART - H

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

Investment towards environment protection has been done in the development of green areas within the factory premises as well as in the surrounding areas of the city by planting of trees.

Other expenditure towards environmental protection and abatement of pollution is incurred for maintenance of equipment and periodic replacements at the domestic sewage water treatment plant and of pollution control equipment in the process plant.

Third Party Environment Audit is carried out annually through an auditor recognized by GPCB for this purpose as per the directives of the Hon. Gujarat High Court & directives from GPCB. The Audit reports are submitted to GPCB.

PART - I

Any other particulars for improving the quality of the environment.

(a) ISO Certification:

IFFCO Kandla unit has designed an Environment Management System according to International standard. IFFCO Kandla unit is certified for Integrated Management System (IMS) combining the Quality Management System (ISO 9001:2015), Environment Management System (ISO 14001:2015), Occupational Health & Safety Management System (ISO 45001:2018) and Energy Management System (ISO 50001:2018). Our Environment Policy contains the principle of compliance with all environmental legislations.

The salient features of the Environment Management System are as follows:

1. To implement appropriate Environment Management System.
2. To comply with all applicable environmental and other legislation and endeavor to improve upon them in a prudent manner with good business sense.
3. To promote sustainable development through better operating practices that would reduce pollution, minimize waste and optimize utilization of resources.

IFFCO
Wholly owned by Cooperatives
Kandla Unit

(b) Efforts to Conserve Water :

1. The Kutch district where Kandla plant is located suffers from perennial water shortage. Hence IFFCO takes all measures to reduce the consumption of water. It also undertakes various projects to ease the problem of scarce water availability. In order to reduce the water consumption and yet to maintain the greenery at the plant site and township, schemes for reuse of treated domestic sewage water at plant and township was envisaged and implemented successfully.

2. Rain water recharging well has been built at the township with a storage pond for conserving rain water which have been effective in reducing the salinity in the underground water table in the township and its neighboring areas.

3. Construction of Check Dams: A number of check dams in various villages have been constructed to avoid the flow of rain water to the sea in this region of scarce water. The purpose of the check dam is to reduce the salinity of the ground water, improve the ground water table, and make water available to the villagers even after the monsoon season is over.

4. Rain water storage pond of capacity 3,300 M^3 and 20,000 M^3 has been constructed at IFFCO Township to avoid channeling of water and to maintain water table of the area.

5. Providing / maintenance of drinking and irrigation water lines at Panthia village adopted by IFFCO under the village adoption programmes, so that it can be better utilized & wastage of water is minimized.

Date: 09.04.2026
Place: Kandla

Rajesh Ruhela
General Manager (Technical)

Rajasthan State Road Development And Construction Corporation Ltd., JAIPUR.
No. NIT/2025-26/27022-34 Date: 26.11.2025

निविदा सूचना/2025-26

निम्नलिखित कार्यों के लिए बेन्च / अन्य सरकार के अधिकारियों सिवायी एवं सभी अधिकृत संविदाकारों से निर्धारित प्रपत्र में ई-टेण्डरिंग प्रक्रिया के माध्यम से ऑनलाईन निविदाएं आमन्त्रित की जाती है

कार्य का विवरण	कार्य की पूर्ण अनुमानित लागत (रू.)	निविदा शुल्क राशि
Raising of Road and Construction of CC Pavement on Bikaner-Jhanjhu-cum-Lalana 30/1 Road. URN: RRCD26/W/SOB00055	229.46 Lakh	9+257 =26
Construction of Dining Hall and Rooms at Rajasthan State Judicial Academy, Jodhpur. URN: RRCD25/W/LOB00052	655.74 Lakh	9+656=65

निविदा से सम्बन्धित शर्तें में निविदा सूचना, संविदा दरपत्र, अनुबन्ध पत्रों व अतिरिक्त शर्तें एवं निविदा फॉर्मेट आदि https://eproc.rajasthan.gov.in, https://apps.rajasthan.gov.in एवं http://sppp.rajasthan.gov.in पर देखा जा सकता है। उपरोक्त संविदाओं की अन्य जानकारी कार्यालय के कार्यालय के दिवसों में http://rsrdcc.rajasthan.gov.in से जानकारी प्राप्त की जा सकती है।

अधीक्षण अभियन्ता

WESTERN RAILWAY - BHAVNAGAR DIVISION

TENDER FOR THE CONTRACT OF ADVERTISEMENT BOARD - RAILWAY DISPLAY NETWORK (RDN)

Catalouge No: ADVT-RDN-2025-5

Type of Contract: Advertisement Board - Railway Display Network (RDN)

Category: ADVERTISEMENT

Bidder/Tenderer shall be required to visit (IREPS/E-Auction) site or for more queries may be visit divisional office Bhavnagar or Telephonic (Commercial inspector (NFR), Bhavnagar Division - +91-72279 89486).

Time and Date for Auction start: 11;00 Hrs. on 10.12.2025 through online **website www.ireps.gov.in**

Time and Date for Auction Closing: 11;40 Hrs. on 10.12.2025 through online **website www.ireps.gov.in** BVP 203

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WESTERN RAILWAY BHAVNAGAR DIVISION

PROVISION OF CCTV CAMERAS

The Divisional Railway Manager (Commercial), Western Railway, Bhavnagar Para Invites tenders for Provision of CCTV cameras at 05 Goods sheds i.e, Junagadh, Adri Road, Vartej, Gondal, Bhavnagar Timber Depot. The tender has been published on IREPS website for which details are as follows: **Tender No.:** 03-2025-26 **Date of Uploading of tender:** 26/11/2025 **Date and time for closing submission of proposals:** 18/12/2025, 15:00 hours **Tender value (in Rs.):** ₹64,04,434.30/- **EMD In Rs.:** ₹1,28,100/- **Tender document available at Indian Railway web site: https://www.ireps.gov.in/** BVP204

Like us on: facebook.com/WesternRly

SURAT MUNICIPAL CORPORATION

West Zone (Rander)

e-Tender (Online) invitation Notice No. Addi. City Engineer / WZ / I2/ 2025-26

Tender are invited for various Dept. works online on **https://smctender.nprocure.com** from Government approved contractors / Agencies with following schedule.

	Name of the Department	Strom Drainage	Light	Road
1	No. of Work	02	01	06
	Total Nos. of works	09 (Nine)		
2	Total Estimated cost of Tender	Rs. 28,13,68,028=26		

The detail tender notice will be made available on website **www.suratmunicipal.gov.in**

No. PR.O./479/2025-26
Date: 26/11/2025

Addi. City Engineer
West Zone (Rander)
Surat Municipal Corporation

PUBLIC NOTICE

All the concerned persons are hereby informed that the project "Product mix change without Increase in production capacity of Existing Fertilizer Plant for Manufacturing of Nano NPK Fertilizer (Nano Fertilizer), Kandla Plant at P.O. Box No. 12, Kandla, Distrct-Kutch, Gujarat by **M/s Indian Farmers Fertiliser Cooperative Limited (IFFCO)**" has been accorded environmental clearance vide F.No. J-11011/202/2009-IA II(I) Dated **31st October 2025** by the Ministry of Environment, Forest & Climate Change, GoI and copies of the clearance letter are available with the MoEF&CC and may also be seen at Website of the Ministry at **https://parivesh.nic.in/.**

CORRIGENDUM

I/we, the undersigned being the authorized officer of SRG Housing Finance Limited, 321, SM Lodha Complex, Near Shastri Circle, Udaipur (Rajasthan) (CIN: L65922RJ1999PLC015440), under the SARFAESI Act, 2002 and in exercise of powers conferred by Section 13(12) read with Rule 3 of the Security Interest (Enforcement) Rules, 2002, has taken Physical possession of the mortgaged property and the information of which was published in English language in the "INDIAN EXPRESS" on 27-11-2025 bearing the Loan Account No. HLR00000000003877, HLR00000000003720, R00000000007699, HLR00000000007252, R00000000018485, HLR00000000015790 and R00000000014227 and written "Symbolic possession" which in future should be read and understood as "Physical Possession".

Sd/- GUJARAT Authorized Officer
Location Date - 28/11/2024 SRG Housing Finance Limited, Udaipur

NMDC STEEL LIMITED

(A Government of India Enterprises)
Post-Nagarnar (Bastar), Chhattisgarh-494001
CIN:L27310CT2015GOI001618

GLOBAL TENDER NOTICE

Tender No: NSL/SP-4857/CALCINED LIME/GTE

NSTE Tender No: NSL/Nagarnar/Materials/LIME-26/1054 Date: 28/11/2025

Description of Material	Qty (MT)	Duration of Tender Document Period	Last Date & Time for Submission of offer	Earnest Money Deposit
CALCINED LIME	147900	28.11.2025 to 26.12.2025	26.12.2025 by 03:00 PM (IST)	Rs.50,00,000/- or 60,000 US Dollars

Complete tender document in easy to use format, website www.nmdc.co.in & https://eprocure.gov.in or https://www.tenderwizard.com/NMDC. Any corrigendum to the above tender will be uploaded only on our website www.nmdc.co.in & NSTE Portal. Prospective bidders should visit NMDC Limited website & NSTE Portal from time to time to take note of corrigendum, if any, or for any other details regard to tender. Sd/-
For website www.nmdc.co.in Chief General Materials (MM & Cont.)

SURAT MUNICIPAL CORPORATION

Drainage Department

e Tender (On line) invitation
Notice No. DMC/Drainage/08/2025-26.

Online tenders are invited on **https://smctender.nprocure.com** for the various works of drainage department, from the Government approved contractors of relevant class.

No.	Name of the Department	Drainage
1	No of the works	21
2	Total Estimated cost of Tender Rs. In Lacs	40115.687

The detail tender notice will be made available at above address and on website **www.suratmunicipal.gov.in**

No. PR.O./482/2025-26 **Deputy Municipal Commissioner (D)**
Date: 26-11-2025 **Surat Municipal Corporation**

PFC CONSULTING LIMITED

(A wholly owned subsidiary of PFC Limited)
Regd. Office: First Floor, "Urjanidhi", 1, Barakhamba Lane, Connaught Place, New Delhi - 110001, (India) Fax: 011-23443999

GLOBAL INVITATION (THROUGH E-BIDDING ONLY)

FOR SELECTION OF TRANSMISSION SERVICE PROVIDER ON BUILD, OWN, OPERATE AND TRANSFER (BOOT) BASIS FOR INTRA-STATE TRANSMISSION PROJECT IN MAHARASHTRA

PFC Consulting Limited, a wholly owned subsidiary of Power Finance Corporation Limited (A Government of India Undertaking), invites proposals for setting up of transmission projects on Build, Own, Operate and Transfer (BOOT) basis following single stage two envelope process of "Request for Proposal" (RFP).

Interested bidders may refer to the RFP notification and RFP documents available on the website **https://www.mstcecommerce.com** and **https://www.pfcclindia.com.**

The Bidders may obtain the RFP documents on all working days between 10:30 hrs (IST) and 16:00 hrs (IST) from 01.12.2025 to one working day prior to bid submission for the project mentioned below on payment of a non-refundable fee of Rs. 5,00,000/- or USD 7,000 plus applicable GST @18% from 9th Floor, Wing – A, Statesman House, Connaught Place, New Delhi - 110001, Tel.: 91-11-23443969; e-mail: **pfcel.itp@pfcindia.com.** The RFP documents can also be downloaded from **https://www.mstcecommerce.com** and **https://www.pfcclindia.com**; however, in such case, interested party can submit Response to RFP only on submission of non-refundable fee of Rs. 5,00,000/- or USD 7,000 plus applicable GST @18% separately, The survey report and clarification to RFP documents shall be issued to those bidders, who have obtained/ purchased RFP documents by paying requisite fee at least one working day prior to bid submission date. Bidders should regularly visit website to keep themselves updated regarding clarifications/ amendments/ time extensions etc., if any. The important timelines in this regard are as follows:

S. No.	Name of Transmission Scheme	Last Date for seeking clarifications (dd/mm/yyyy)	Last Date for submission of response to RFP (dd/mm/yyyy)	Date of opening of Response to RFP (dd/mm/yyyy)
1	Establishment of 765/400/220 kV AIS Dolvi (Dist. Raigad)	22/12/2025	03/02/2026 up to 15:00 hrs (IST)	03/02/2026 at 15:30 hrs (IST)

Note: PFC Consulting Limited reserves the right to cancel or modify the process without assigning any reason and without any liability. This is not an offer.

An Initiative of — Government of Maharashtra

Bid Process Coordinator — PFC CONSULTING LTD. (A wholly owned subsidiary of PFC Ltd.) (A Govt. of India Undertaking)

Initiative Partner — State Transmission Utility Maharashtra

PUBLIC NOTICE ENVIRONMENTAL CLEARANCE

It is hereby informed that the State Level Environment Impact Assessment Authority (SEIAA), Paryavaran Bhavan, Sector 10A, Gandhinagar - 382 010, has accorded Environmental Clearance for Proposed industrial shed for Line 4 of M/s. Honda Motorcycle & Scooter India Private Limited at Village: Vithalpur Taluka : Mandal, District: Ahmedabad-382420 Gujarat, vide order bearing EC Identification No. EC25C3808CJ5r 284144, dated: 21st November, 2025.

Copies of Environmental Clearance letter are available at office and on website of MoEF&CC https://parivesh.nic.in

Date:28-11-2025 Authorized Signatory
M/s Honda Motorcycle & Scooter India Pvt Ltd.

SRG HOUSING FINANCE LIMITED

CIN: L65922RJ1999PLC015440
Reg. Off: 321, S M Lodha Complex, Near Shastri Circle, Udaipur-313001(Rajasthan)
Phone: 0294-2412699 E-mail: info@srghousing.com Website: www.srghousing.com

SYMBOLIC POSSESSION NOTICE RULE 8(1) (For Immovable Property)

Whereas, the undersigned being the authorized officer of SRG Housing Finance Limited, 321, SM Lodha Complex, Near Shastri Circle, Udaipur – 313001 (Rajasthan), under the Securitization And Reconstruction of Financial Assets and Enforcement Of Security Interest Act, 2002 and in exercise of power conferred under section 13(12) read with rule 3 of Security Interest (Enforcement) Rules, 2002, issued demand notices on the dates mentioned against each account calling upon the respective borrowers/co-borrowers/mortgagors/guarantors, to repay the amount within 60 days from the date of receipt of the said notices. The borrowers/co-borrowers/mortgagors/guarantors having failed to repay the amount, notice is hereby issued to the borrowers/co-borrowers/mortgagors/guarantors and the public in general, that the undersigned has taken **Symbolic Possession** of the properties described herein below in exercise of powers conferred on him under section 13(4) of the said Act, read with rule 8 of the said rules, on the dates mentioned against each account. The borrowers/co-borrowers/mortgagors/guarantors in particular and public in general are hereby cautioned **Not to deal with the properties** and any dealing with the properties will be subject to the charge of SRG Housing Finance Limited, 321, SM Lodha Complex, Near Shastri Circle, Udaipur – 313001 (Rajasthan), for the amounts mentioned in the demand notice and future interest and cost/charges thereon until the realization.

The Borrowers/Co-borrowers/Mortgagors/Guarantors attention are invited to the provisions of sub-section (8) of section 13 of the said Act, in respect of time available to redeem the available secured assets.

S. No.	Loan Account Number (Lan)/ Borrowers/ Co-Borrowers/ Guarantors	1) Date Of Demand Notice 2) Date Of Symbolic Possession 3) Claim Amount As Per Demand Notice	Description Of Immovable Property (Together With Buildings And Structures Constructed, To Be Constructed Thereon Along With Fixtures And Fittings Attached To The Earth And Anything Attached To The Earth.)
1.	HLR00000000020258 Mr. Mango Bhaurao Borse S/o Mr. Bhaurao (Borrower) Mrs. Rajani Mango Borse W/o Mr. Mango Borse (Co-Borrower)	1.Date Of Demand Notice- May 16, 2025 2. Date Of Symbolic Possession – November 22, 2025 3. Claim Amount As Per Demand Notice- ₹ 16,05,800/- In Words Rupees Sixteen Lakh Five Thousand And Eight Hundred Only As On May 07, 2025 Plus Future Interest, Incidental Expenses, Cost, Charges, Etc. W.e.f. May 08, 2025.	All That Piece And Parcel Of Land Owned By:- In The Name Mrs. Rajani Mango Borse W/o Mr. Mango Borse Having Plot No.-46, Avishkar Row House, Revenue Survey No.- 1014/1, Block No.- 104, Lp. No.-69, Gram–Olndol, Godadara, Tehsil–Surat City, District–Surat (Gujarat) Having Land Area Of 70.00 Sq. Ft., Surrounded By; East–Adj. Land, West–Adj. Society Road, North–Adj. Plot No.- 45, South–Adj. Plot No.- 47
2.	HLR00000000015828 Mr. Govind Rajbhar S/o Mr. Ramlot (Borrower) Mr. Sukharaji Rajbhar S/o Mr. Ramlot (Co-Borrower-1) Mr. Sukharaji Rajbhar S/o Mr. Ramlot (Co-Borrower-2) Mr. Amit Rajput S/o Mr. Omprakash Rajput (Guarantor-1) Mrs. Chandrakala Zala S/o Mr. Mansinh Rathod (Guarantor-2)	1. Date Of Demand Notice- November 13, 2024 2. Date Of Symbolic Possession – November 25, 2025 3. Claim Amount As Per Demand Notice- ₹ 8,42,330/- In Words Rupees Eight Lakh Forty-two Thousand And Three Hundred Only As On November 11, 2024 Plus Future Interest, Incidental Expenses, Cost, Charges, Etc. W.e.f. November 12, 2024.	All That Piece And Parcel Of Land Owned By:- In The Name Mrs. Sukharjiben Rajbhar W/o Mr. Ramlot Having Survey No. – 59/3, 60/1, Block No.- 42, 1-101, Green Park Society-3, Village–Jagatpur, Tehsil–Ahmedabad, District–Ahmedabad (Gujarat) Having Land Area Of 675.00 Sq.ft., Surrounded By:- East– Row house No.- 100, West–Row House No.- 102, North– Common Road, South – Open Plot

PLACE:- Gujarat
DATE:- 28-11-2025

SD/-
Authorized Officer, SRG Housing Finance Limited

adani Power Limited

POSTAL BALLOT NOTICE

The Members of Adani Power Limited (the "Company") are hereby informed that pursuant to provisions of Sections 110 and 108 and all other applicable provisions, if any, of Companies Act, 2013 (the **"Act"**), read with Rules 20 and 22 of the Companies (Management and Administration) Rules, 2014 (the **"Rules"**), Secretarial Standard on General Meetings issued by the Institute of Company Secretaries of India (the **"SS-2"**), Regulation 44 of the SEBI (Listing Obligations and Disclosure Requirements) Regulations, 2015 (the **"SEBI Listing Regulations"**) including any statutory modification(s), substitution(s) or re-enactment(s) thereof for the time being in force and General Circular dated 19th September 2024 issued by the Ministry of Corporate Affairs (the **"MCA"**) read along with other connected circulars issued from time to time in this regard (the **"MCA Circulars"**) and any other applicable law, rules and regulations (including any statutory modification(s) or re-enactment(s) thereof, for the time being in force), the Company seeks the approval of the Members for the Special Businesses by way of requisite resolutions, as set out in the postal ballot notice dated 21st November 2025 along with the explanatory statement (the **"Notice"**), by way of electronic means (i.e. remote e-voting) only.

The electronic copies of Postal Ballot Notice (**"Notice"**) along with the Explanatory Statement has been dispatched on Thursday, 27th November 2025, to those Members whose names appear on the Register of Members/List of Beneficial Owners as received from the National Securities Depository Limited (**"NSDL"**) and Central Depository Services (India) Limited (**"CDSL"**) as on Friday, 21st November, 2025 (**"Cut-Off date"**) and who have registered their e-mail addresses with the Company / Depositories. Physical copies of the Postal Ballot Notice along with Postal Ballot forms and pre-paid business reply envelopes are not being sent to Members for this Postal Ballot in line with the exemption provided in the MCA Circulars. The documents referred to in Postal Ballot notice are available for inspection and members seeking inspection can send an email to deepak.pandya@adani.com.

Notice is available on the website of the Company i.e. www.adanipower.com and of the Stock Exchanges i.e. BSE Limited and the National Stock Exchange of India Limited at www.bseindia.com and www.nseindia.com respectively and of the CDSL at www.evotingindia.com

In light of the MCA Circulars, Members who have not registered their e-mail address and in consequence could not receive the Postal Ballot notice may temporarily get their e-mail address registered with the Company's RTA, M/s. KFin Technologies Limited, by clicking the link: https://karisma.kfintech.com/emailreg. Post successful registration of the e-mail, the member would get soft copy of the notice and the procedure for e-voting along with the User ID and Password to enable e-voting for this Postal Ballot. In case of any queries, member may write to einward.ris@kfintech.com.

The Company provides the Members the facility to exercise their right to vote by electronic means through E-voting services provided by Central Depository Services (India) Limited ("CDSL"). The detailed instructions for E-voting have been provided in the Notice.

The remote E-voting facility is available during the following period:

Commencement of E-voting	9:00 a.m. (IST) on Saturday, 29th November, 2025
Conclusion of E-voting	5:00 p.m. (IST) on Sunday, 28th December, 2025

The remote e-voting module shall be disabled by CDSL for voting thereafter.

During this period, Members holding shares either in physical form or in dematerialized form as on Friday, 21st November, 2025 (**"Cut-Off date"**) may cast their vote by e-voting. Once the vote on a resolution is cast by the Member, he/she is not allowed to change it subsequently. The voting rights of the Members shall be in proportion to their share of the paid-up equity share capital of the Company as on the Cut-off date i.e. Friday, 21st November, 2025. A person who is not a member as on the cut-off date should treat this Notice for information purpose only.

The Board of Directors of the Company has appointed Mr. Chirag Shah, (Membership No. FCS: 5545; CP No.: 3498) or failing him Mr. Raimeen Maradiya (Membership No. FCS 11283, CP No.: 17554), Partners of M/s. Chirag Shah and Associates, Practicing Company Secretaries as the Scrutinizer for conducting the postal ballot process in a fair and transparent manner.

The Scrutinizer will submit his report to the Chairman or any authorised person of the Company, and the results of the Postal Ballot will be announced within two working days of conclusion of E-voting. The said results would be displayed at the Registered Office of the Company and intimated to the National Stock Exchange of India Limited (**"NSE"**) and BSE Limited (**"BSE"**) where the shares of the Company are listed. Additionally, the results will also be uploaded on the Company's website www.adanipower.com and on the website of CDSL www.evotingindia.com.

In case you have any queries or issues regarding e-voting, you may refer the Frequently Asked Questions ("FAQs") and e-voting manual available at www.evotingindia.com under help section or write an e-mail to helpdesk.evoting@cdslindia.com. or contact Mr. Rakesh Dalvi, Sr. Manager, at 25th Floor, A Wing, Marathon Futurex, Mafatlal Mills Compound, NM Joshi Marg, Lower Parel (E), Mumbai - 400 013; Email: helpdesk.evoting@cdslindia.com on 022- 23058542 / 43 during working hours on all working days.

For, **Adani Power Limited**

Date: 27th November 2025
Place: Ahmedabad

Deepak S Pandya
Company Secretary

Registered Office: "Adani Corporate House", Shantigram, Near Vaishno Devi Circle, S. G. Highway, Khodiyar, Ahmedabad - 382421, Gujarat, India.
Phone No.: +91 79 2555 7555 | **Fax No.:** +91 79 2555 7177
Website: www.adanipower.com | **CIN:** L40100GJ1996PLC030533

राजकोटना मे.जी.डी. माधव, जज साहेबनी डेमीही कोर्टमां चूनी डंकेटर्स ओफिस सेप्रस, राजकोट.

डेमीही शेरीफ नं. ३, डेमीही स्पेशल नं.१, १३५५/२०२४, मुद्दत तथा तारीख ०५-१२-२०२५

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(जी.के. गोहिल) (डीडी) (आर.जेम. ओझा) (एस.एस. मीडाणा)
पिछाणी नीचे आपनी सेहेर नं. ३ डेमीही शेरीफ डेमीही शेरीफ, राजकोट. डेमीही शेरीफ, राजकोट. डेमीही शेरीफ, राजकोट.

Government of India
Ministry of Commerce & Industry
Department of Commerce

ADVERTISEMENT FOR ENGAGEMENT OF INDEPENDENT CONSULTANTS IN DEPARTMENT OF COMMERCE, NEW DELHI.

The Department of Commerce invites applications for the positions of Young Professionals, Associates, Consultants and Senior Consultants in the streams of Economics, General Management, Data Science and Legal, on purely contractual basis. Guidelines for engagement of Independent Consultants in the Department of Commerce is available at (**https://www.commerce.gov.in/engagement-of-ics/**). Interested and eligible candidates may apply online through the following link: **www.commerce.gov.in** -> Engagement of ICs (**https://apps.commerce.gov.in/recruitment/**) from 01.12.2025 to 10.12.2025. No hard copy is required to be sent. For any further query, candidates may approach this office at recruitment-c2@gov.in.

Sd/-
Under Secretary to the Government of India
CBC-05101/11/0004/2526 Department of Commerce

रानी लक्ष्मी बाई केंद्रीय कृषि विश्वविद्यालय, झाँसी
Rani Lakshmi Bai Central Agricultural University, Jhansi

ग्वालियर रोड, झाँसी–284003 (उत्तर प्रदेश)
Gwalior Road, Jhansi -284003 (U.P.)

Advertisement No: RLBCAU/8/2025 Dated: 27.11.2025

स्नातक, स्नातकोत्तर और पीएचडी में प्रवेश के लिए आवेदन / Application for UG /PG and Ph. D. Admission

रानी लक्ष्मी बाई केंद्रीय कृषि विश्वविद्यालय के विभिन्न स्नातक, स्नातकोत्तर और पीएचडी पाठ्यक्रमों में प्रवेश के लिए संबंधित श्रेणियों के तहत रिक्त सीटों के लिए प्रवेश लेने के इच्छुक पात्र एवं वैध आईसीएआर रैंक कार्ड धारक उम्मीदवारों से (प्रवेश शैक्षणिक सत्र 2025–26 के लिए) आवेदन आमंत्रित किए जाते हैं, अधिक जानकारी के लिए कृपया विश्वविद्यालय की वेबसाइट **www.rlbcau.ac.in** देखें।

पंजीकरण 28.11.2025, सुबह 10.00 बजे से 30.11.2025 सायं 05.00 बजे तक होगा। प्रवेशित छात्रों को कोई एन्ट्रीएल / विश्वविद्यालय फैसीलिटीज प्रदान नहीं की जाएगी।

Applications are invited from eligible and valid ICAR rank card holder candidates desirous of taking admission on vacant seats under the respective categories for admission to various UG/PG and PhD courses of Rani Lakshmi Bai Central Agricultural University (Admission Academic Session 2025-26). Kindly see the university's website **www.rlbcau.ac.in** for more information.

Registration will start from 28.11.2025, 10.00 A.M. to 30.11.2025 till 05.00 P.M., no NTS / University Fellowship will be awarded to the admitted students.

कुलसचिव / **Registrar**

HDFC BANK

HEAD OFFICE: HDFC Bank House, Senapati Bapat Marg, Lower Parel (West), Mumbai – 400013 • Regional Office: HDFC Bank Ltd., Department For Special Operations, 3rd Floor, C-Wing, Sheetal West Park Empire, Nr. Alpha One Mall, Vastrapur, Ahmedabad-380015.

POSSESSION NOTICE (FOR IMMOVABLE & MOVABLE PROPERTY)

Whereas The undersigned being the Authorised Officer of the **HDFC Bank Ltd.,** having its Registered Office at Bank House, Senapati Bapat Marg, Lower Parel, Mumbai – 400 013 and having one of its office at 3rd Floor, C-Wing, Sheetal West Park Emperia, Nr, Alpha One Mall, Vastrapur, Ahmedabad-380054 under the Securitisation and Reconstruction of Financial Asset and Enforcement of Security Interest Act, 2002 and in exercise of powers conferred under section 13(12) read with rule 3 of the Security Interest (Enforcement) Rules, 2002, issued a **Demand Notice** date 14.06.2021calling upon the borrower (1) **Rutuman Enterprise, (2) Mr. Vasant Vekariya & (3) Ms. Mnaishaben Vekariya** to repay the amount mentioned in the notice being **Rs. 59,32,164.66/- (Rupees Fifty Nine Lakh Thirty Two Thousand One Hundred Sixty Four and Paise Sixty Six) as on 05.09.2021** together with interest thereon within 60 days from the date of receipt of the said notice.

The borrower, guarantor/s, mortgagor/s and legal heir in case of deceased (if any) having failed to repay the amount, notice is hereby given to the borrower, guarantor/s, mortgagor/s and legal heir in case of deceased (if any) in particular and public, in general, that the undersigned being the Authorised officer of HDFC Bank Ltd., has taken physical possession of the property described herein below in excercise of powers conferred on him under section 13(4) of the said Act read with rule 8 of the said Rules on this **22nd November 2025.**

The borrower, guarantor/s, mortgagor/s and legal heir in case of deceased (if any) in particular, and the public, in general, are hereby cautioned not to deal with the property and any dealing with the property will be subject to the charge of the HDFC Bank Ltd., for an amount of **Rs. 59,32,164.66/- (Rupees Fifty Nine Lakh Thirty Two Thousand One Hundred Sixty Four and Paise Sixty Six)** together with interest thereon as aforesaid.

The borrower, guarantor/s, mortgagor/s, and legal heir in case of deceased (if any) attention is invited to provisions of Sub section (8) of Section 13 of the Act, is respect of time available, to redeem the secured asset.

Description of Movable and Immovable property

A. Stock in trade, consisting of raw materials, goods in process of manufacturing finished goods, and other merchandise whatsoever being movable properties, now stored at or being stored or which may hereafter be brought into or stored at the premises, factories or warehouse or at any such place of the borrower, any of the above which is or may be in course of transit or awaiting transit by any mode of transport to the borrowers factory or premises or at any other place whatsoever and wheresoever in the borrowers possession or occupation or at any other premises or place and/or **B.** All the debts, that is, all the book debts, outstandings, monies receivables, claims, bills, invoice documents, contract, guarantees, and rights which are now due and owing or which may at any time hereafter during the continuance of this security becomes due and owing to the borrower in the course of its business by any person, firm, company or body corporate or by a government department or office or any municipal or local or public or semi government body or authority or anybody corporate or undertaking or project whatever in the public sector, **C.** The Property bearing Bungalow R. S. No. 470/2/Pikki 2, total adm. Hec0-09-10 are N.A. Land paiki Sub Plot No. 3, Total admeasuring 207.15 Sq. Mtrs, Moujo Karamsad, Registration District and Dist. Anand, Owned by Mr. Vasantbhai Vekariya and Ms. Mnaishaben Vasantbhai Vekariya Admeasuring land 207.15 Sq. Mtrs. **Boundary Details: North :** S. No. 466, **South :** S. R/ No. 4, **East :** S. No. 465, **West :** S. R No. 2, D. T h e Property bearing City Survey No. 1163, Plot No. K/2, Total adm. 841.79 Sq.Mt. as on organized " Purohit Arcade" paiki upper ground floor shop No. AF/4, builtup area 29.35 along with undivided share land 24.45 Sq. Mtrs. Mouje Vallabh Vidhyanagar, Registration District and Dist. Anand, Owned by Mr. Vasant Vekariya, Admeasuring land 29.35 Sq. Mtrs. **Boundary Details : North :** Margin, **South :** Shop F-3, **East :** Passage, **West :** Margin (All of them herein after collectively referred to as "secured asset")

Date : 22/11/2025 **Anil Sankla, Authorised Officer**
Place : Anand **Department For Special Operations, HDFC Bank Ltd.**

TATA STEEL LIMITED

Registered Office: Bombay House, 24, Homi Mody Street, Fort, Mumbai 400 001, India
Tel No: +91 22 6665 8282 **E-mail:** cosec@tatasteel.com **Website:** www.tatasteel.com
Corporate Identification Number: L27100MH1907PLC000260

NOTICE TO SHAREHOLDERS

Securities and Exchange Board of India (SEBI) vide its circular no, SEBI/HO/MIRSD/MIRSD-PoD/P/CIR/2025/97, dated July 2, 2025 has allowed the opening of special window to facilitate re-lodgment of transfer requests of shares held in physical form, lodged prior to the deadline of April 1, 2019 and rejected/returned due to deficiency in the documents. Hence, investors who missed the earlier deadline of March 31, 2021 for re-lodgment are requested to submit necessary documents with the Company's Registrar and Share Transfer Agent by following the details as given below:

Key Details	
Window for re-lodgement	**July 7, 2025 to January 6, 2026**
Who can relodge the transfer requests?	Investor whose transfer deeds were lodged prior to April 2019 and rejected/returned due to deficiency in documents.
How to relodge the transfer requests?	Submit necessary original transfer documents with corrected or missing details to the Registrar and Share Transfer Agent, MUFG Intime India Private Limited (Formerly known as Link Intime India Private Limited)
Postal Address	MUFG Intime India Private Limited Unit: Tata Steel Limited C 101, Embassy 247, L.B.S Marg, Vikhroli (West), Mumbai - 400083
Helpline no.	+91 81081 18484
For any queries	Raise a service request at : https://web.in.mpms.mufg.com/helpdesk/Service_Request.html or send an email at cosec@tatasteel.com or/and at investor.helpdesk@in.mpms.mufg.com

The shares re-lodged for transfer shall be issued only in demat mode.

Tata Steel Limited
Sd/-
Parvatheesam Kanchinadham
Company Secretary and Chief Legal Officer
ACS: 15921

November 27, 2025
Mumbai

TATA STEEL

Three women steal outfits from store

TIMES NEWS NETWORK

Ahmedabad: Sola police registered a case on Wednesday after three women allegedly stole five outfits from a readymade garment shop near Silver Star crossroads in Chandlodia.


CCTV grab of the theft

The store owner, Krunal Shah, registered a complaint with Sola police . According to the complaint, around 5pm on Tuesday, three women entered the store and expressed interest in trying on salwar kameez. The store staff assisted them as they selected various patterns and took turns using the trial room. Despite trying on several dresses, the women left the store without making any purchases. The staff did not suspect any wrongdoing at the time. During a stock check the next day, Shah discovered that five salwar kameez dresses were missing. Shah said he immediately checked the CCTV footage, which showed that each woman carried two outfits into the trial room but returned only one before walking out.

Fulfil responsibilities entrusted to us: CM

Three-Day Chintan Shibir Begins At Dharampur

TIMES NEWS NETWORK

Gandhinagar: Inaugurating the 12th edition of the chintan shibir — the annual brainstorming session on governance — of the state govt at Dharampur in Valsad district on Thursday, chief minister Bhupendra Patel urged ministers and administrative officials to fulfil responsibilities entrusted to them with dedication.

The CM, ministers, and officials of the bureaucracy are attending the three-day event.

Capacity building and evaluation, nutrition and health, green energy and environment, public safety, and growth in the service sector have been identified as five focus subjects for discussions at this year's chintan shibir.

The conclave, based on the theme 'Samuhik chintan thi samuhik vikas tarat' (collective thinking to collective development), will focus on brainstorming on a more sensitive, technology-driven, and transparent governance approach aligned with administrative needs, an official statement said.


People greet CM Bhupendra Patel, as he and his team travelled by Vande Bharat train to Valsad to attend the chintan shibir on Thursday

Speaking at the inaugural event of the conclave being held at the Shrimad Rajchandra Mission at Dharampur, Patel said that it should be the collective resolve of elected representatives and administrative officers to maintain positive thinking to bring solutions instead of just addressing people's issues. "The goal of collective development through collective thinking was achieved through chintan shibirs. Now, we need to contemplate moving forward together with greater speed and excellence during the three-day event," the CM remarked.

About 240 senior govt officers and elected representatives are participating in the event. The CM, ministers, and senior officers left from Ahmedabad by the Vande Bharat train.

Harset Shukla, principal secretary of the general administration department (GAD), welcomed the participants and outlined the framework of the chintan shibir. He urged participants to adopt conclusions drawn from the shibir to simplify governance and service.

HC remands case to civil court over property partition

▶Continued from P1

The Gujarat HC stated, "Considering Section 6 of Hindu Succession Act, though amendment was year 2005, right of the daughter as coparcener is recognized from year 1956 and therefore, even if amendment was caused in the year 2005, right of daughter in father's property is not extinguished until daughter herself relinquishes her right or such right gets extinguished in any other manner."



The 2005 amendment to the Hindu Succession Act granted daughters equal rights as sons in coparcenary property, making them coparceners by birth. This change, enacted on Sept 9, 2005, aimed to eliminate gender-discriminatory provisions in the 1956 Act, giving daughters the same rights and liabilities in the family's coparcenary property as a son. The HC remanded the case back to the civil court to address the partition of properties and other issues raised by the woman.

In another case, an Ahmedabad woman who eloped and married a man of another caste was deprived of her right in property acquired by her father. She filed a civil suit in 2013, seeking to restrain her mother and brother from selling properties in the Ghatlodia area that her late father had bought.

Her family contested her claim for an equal share, arguing that she had severed ties after eloping. It was claimed that she returned to the family in 2008, and that the mother gave her a flat in Vejalpur to reside in, but she usurped it. An FIR was filed in this regard. After the mother passed away, the woman's brother filed a counterclaim seeking possession of the house in Vejalpur, which he claimed to have bought from the mother in 2011.

In May 2022, the civil court restrained the brother from selling the properties, holding them to be undivided coparcenary property. The court held that the sister has equal right and interest in them. The court also rejected the brother's claim that his sister usurped the house in Vejalpur. The brother unsuccessfully challenged this order before a district court.

Four catering firm employees killed in van-truck collision

TIMES NEWS NETWORK

Ahmedabad: Four people were killed and two others injured when a pickup van carrying catering staff crashed into a truck that had suddenly swerved off the road near Ramnagar village on the Bavla Bagodara highway early Wednesday.

Police said the group was travelling to Rhamsara village for a wedding function when the accident occurred around 4.30am.

Investigators said truck driver Minesh Bumaniya abruptly steered his vehicle towards the roadside near a hotel, leaving it partially on the carriageway. The pickup van approaching from behind was unable to brake in time and rammed into the truck. The truck was en route to Rajkot from Ahmedabad.

Ahmedabad Rural SP Om Prakash Jat said the van was speeding and trailing behind two trucks.

"The first truck slowed down, and the second followed suit, but the pickup driver did not reduce speed and crashed into the second truck," he said. Two victims died on the spot, while two others succumbed during treatment, he added.

There were six people in the van. The deceased were identified as Ajay Katara (18), Prakash Katara (20), and Shailesh Rot (21) — all originally from Dungarpur. Rajasthan and residing in Naroda — and Jyotsna Rathod (60), also a resident of Naroda.

The injured driver Najeobkhan Pathan (32) and Kishan Saraniya (15) of Hansol — were taken to Sola Civil Hospital.

Their condition is reported to be stable. Officials said a formal complaint will be filed once the driver completes primary treatment and is in a condition to give a statement.

The pickup belonged to Balaji Caterers of Naroda. The three men from Dungarpur worked as serving staff, while Rathod assisted with kitchen duties. Teams from the 108 emergency services in Bavla and Changodar reached the site and shifted the injured to hospital. Bavla police also arrived shortly after and began a preliminary probe.

Police said prima facie the accident resulted from the truck driver's negligent manoeuvre, which left the vehicle dangerously positioned on the highway. A detailed mechanical examination of both vehicles and statements of witnesses will be key to the ongoing investigation.

An FIR will be lodged with Bavla police once one of the injured is discharged and able to provide a statement.

Teen farm worker dies after dumper hits his two-wheeler

Ahmedabad: A teenage farm worker from Juna Navapura village in Daskroi taluka died after a speeding dumper hit his two-wheeler near Mahijada Patia on Paldi-Dholka Road on Tuesday afternoon. According to the FIR filed with Aslali police by the victim's father, Bharat Chunara, 40, his 18-year-old son Sumit worked with him as a farm labourer. On Tuesday, Sumit took a two-wheeler to buy tea for workers from a junction near Mahijada Patia. Around 2.30pm, a dumper coming from the Paldi-Kankaj side allegedly rammed the vehicle from the front. The impact threw Sumit onto the road, causing severe injuries to his legs and body. Passersby alerted emergency services, and a 108 ambulance shifted the critically injured youth to Asarwa Civil Hospital. Bharat and his brother Jitendra accompanied him. Doctors admitted Sumit to the emergency ward, where he remained unconscious. Despite treatment, he succumbed to his injuries late at night. Bharat told the police that Sumit was the youngest of his three sons and helped the family earn a living through vegetable farming. Police said the dumper driver fled the spot after the accident. Cops began a search for the vehicle involved. TNN

Courier boys duped of ₹8L through salary app scam

Ahmedabad: The detection of crime branch (DCB) on Thursday registered a case against the owner and a senior staff of a logistics company for allegedly diverting courier workers' salaries into a loan app, leaving them burdened with unpaid finance dues running into Rs 8.2 lakh.

The FIR was filed by 23-year-old Shakir Sheikh of Dariapur, who worked as a courier boy with the company between Nov 2022 and May 2025. He claimed that the company's owner, operations manager, and supervisor introduced a mobile application called 'Karma Life' in Feb 2025, saying salaries would be processed digitally through it to avoid delays.

Shakir said the managers sent staff a link on WhatsApp and asked them to download the app and upload their Aadhaar and PAN details for KYC. The workers were told that whenever their salaries appeared in the app, they should select any reason for withdrawal and transfer the amount to their bank accounts. However, in June 2025, several courier boys discovered that loans were taken in their names from a finance company without their knowledge. DCB has booked the trio for breach of trust. TNN

Bills take up 50% of time during monsoon session

ABSENTEES INCREASE

As session progresses

- Apart from the speaker, deputy speaker, ministers, chief whip, and deputy chief whip, the **attendance of 158 MLAs was marked**
- On **Sep 8**, 154 were present and **4 absent**
- On **Sep 9**, 144 were present and **14 absent**
- On **Sep 10**, 135 were present and **23 absent**



Type of assembly proceeding	Time taken	% of total time
Govt bills	8 hrs 9 min	51.31%
Question Hour	3 hrs	18.89%
Govt and other proposals	2 hrs 45 min	17.31%
Other matters	1 hr 59 min	12.49%

Meghdoot.Sharon @timesofindia.com

Gandhinagar: Tabling and discussion of bills presented by the govt took up more than 50% of the time that the Gujarat assembly convened during its three-day monsoon session in Sep this year. Question hour, in which MLAs discuss issues related to people's concerns, took up only 19% of the time that the assembly was in session.

A report titled 'Brief Report of Proceedings of the Seventh Session of the Fifteenth Gujarat Legislative Assembly', which was posted on the website of the Gujarat assembly on Wednesday, stated that apart from the chief minister, speaker, deputy speaker, ministers, chief whip, and deputy chief whip, 23 MLAs remained absent on the last day of the three-day session that was held from Sep 8 to 10. The report said that four MLAs remained absent on Sep 8, while 14 remained absent on Sep 9.

According to the report, govt bills took up 51.31% of the assembly session time, question hour took up 18.89% of the time, govt and other proposals took up 17.31% of the time, and other matters accounted for 12.49% of the assembly time.

During the three-day session, 5,883 visitors experienced the assembly proceedings, with a majority of them being from educational institutions.



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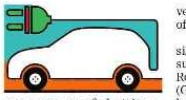
Fossil fuel out: Govt mulls shift to EV fleet

Kapil.Dave@timesofindia.com

Gandhinagar: With the aim of reducing pollution caused by fossil fuels, the Gujarat govt has drawn up a plan to replace all govt vehicles operating on petrol and diesel with electric vehicles (EVs) in a phased manner.

According to top govt sources, comprehensive guidelines for phasing out vehicles running on petrol and diesel are expected to be issued to all departments in the coming days.

"While Gujarat has been a frontrunner in renewable energy, the adoption of electric mobility within the state is still limited. According to the India Electric Mobility Index20, Gujarat currently ranks 16th, indicating significant room for growth in transitioning public and private fleets to electric vehicles," said a source. Officials added that strengthening this area will be key to complementing the state's broader clean energy leadership plans. Sources said that the state govt's EV Policy provides a number of provisions to



encourage use of electric vehicles, but adoption of EVs in the public sector remains limited.

"Most official and municipal vehicles still use petrol and fossil fuels. Charging stations are concentrated mainly in urban areas of the state. There is no state-level roadmap for transitioning government fleets to EVs," said officials.

The state govt is also considering a proposal to provide support to the Gujarat State Road Transport Corporation (GSRTC) in transitioning its buses to electric vehicles, particularly for routes where EVs are operationally and economically feasible.

"By introducing phased EV adoption targets for departments, expanding charging infrastructure to district levels the govt aims to achieve clean mobility outcomes," said officials.

PUBLIC NOTICE

All the concerned persons are hereby informed that the project "Product mix change without increase in production capacity of Existing Fertilizer Plant for Manufacturing of Nano NPK Fertilizer (Nano Fertilizer), Kandla Plant at P.O. Box No. 12, Kandla, District-Kutch, Gujarat by **M/s Indian Farmers Fertiliser Cooperative Limited (IFFCO)**" has been accorded environmental clearance vide F.No. J-11011/202/2009-IA II(I) Dated **31st October 2025** by the Ministry of Environment, Forest & Climate Change, GoI and copies of the clearance letter are available with the MoEF&CC and may also be seen at Website of the Ministry at **https://parivesh.nic.in/.**

HDFC BANK

Department For Special Operations,
3rd Floor, C-Wing, Sheetal West Park Imperia, Nr. Alpha One Mall, Vastrapur, Ahmedabad-380054.

POSSESSION NOTICE
(FOR IMMOVABLE & MOVABLE PROPERTY)

Whereas, The undersigned being the Authorised Officer of the HDFC Bank Ltd. having its Registered Office at Bank House, Senapati Bapat Marg, Lower Parel, Mumbai 400 013 and having one of its office at 3rd Floor, C Wing, Sheetal West Park Imperia, Nr. Alpha One Mall, Vastrapur, Ahmedabad 380054, under the Securitisation and Reconstruction of Financial Assets and Enforcement of Security Interest Act, 2002 (hereinafter referred to as the "said Act") and in exercise of Powers conferred under Section 13(12) read with rule 3 of the Security Interest (Enforcement) Rules, 2002, (hereinafter referred to as the "said Rules") issued a demand notice date **23.01.2024** calling upon the Borrower **(1) Kreativ Surfaces,** and its guarantors **(2) Mr. Dilip Rajibhai Patel, (3) Mr. Ketan Bharatkumar Patel, (4.1) Ms. Pratikshaben Patel** W/o and legal representative of **Mr. Rajendraprasad Mahijibhai Patel, (4.2) Mr. Nishant Patel** S/o and legal representative of **Mr. Rajendraprasad Mahijibhai Patel (4.3) Ms. Rinal Patel** D/o and legal representative of **Mr. Rajendraprasad Mahijibhai Patel, (4.4) Ms. Riya Patel** D/o and legal representative of **Mr. Rajendraprasad Mahijibhai Patel, (5) Ms. Jayshreeben D Patel (6) Mr. Jagdish R Patel** to repay the amount mentioned in the notice being **Rs. 1,75,80,537.21/-** (Rupees One Crore Seventy Five Lakh Eighty Thousand Five Hundred Thirty Seven and Paise Twenty One Only) as on **22.01.2024** together with future interest thereon w.e.f. 23.01.2024 within 60 days from the date of the said notice.

The borrower, guarantor/s, mortgagor/s and legal heir in case of deceased (if any) having failed to repay the amount, notice is hereby given to the borrower, guarantor/s, mortgagor/s and legal heir in case of deceased (if any) in particular and public, in general, that the undersigned being the Authorised officer of HDFC Bank Ltd., has taken **Physical Possession** of the property described herein below in exercise of powers conferred on him under section 13(4) of the said Act read with rule 8 of the said Rules on this **23rd Day November 2025.**

The borrower, guarantor/s, mortgagor/s and legal heir in case of deceased (if any) in particular, and the public, in general, are hereby cautioned not to deal with the property and any dealing with the property will be subject to the charge of the **HDFC Bank Ltd.** for an amount of **Rs. 1,75,80,537.21/-** (Rupees One Crore Seventy Five Lakh Eighty Thousand Five Hundred Thirty Seven and Paise Twenty One Only) together with interest thereon as aforesaid.

The attention of borrower, guarantor/s, mortgagor/s and legal heir in case of deceased (if any) is invited to provisions of sub section (8) of section 13 of the Act, in respect of time available, to redeem the secured assets.

DESCRIPTION OF PROPERTY

Flat No. K/104 admeasuring 103.68 Sq. Mtrs. (super builtup area) on First floor in Block No. K with undivided share in the common plot and road admeasuring 78.68 Sq. Mtrs. Vrundavan Vihar, Survey No. 759, 777, 778, 803 & 760/1, Final Plot No. 20/1/1, 20/1/2 Paiki 20/1/1, Town Planning Scheme No. 114, Mauje Vastra, Taluka City, District Ahmadabad in the Registration Sub District Ahmedabad-12 (Nikol) Owned by Mr. Jagdishbhai Patel and Mr. Dilipkumar Patel And Movables as per inventory. North: Margin then compound wal, South: Margin then compound wall, East: Margin then compound wall, West: Passage, stair and Lift.

Date : 23.11.2025 Anil Sankhla, Authorised Officer,
Place: Ahmedabad Department For Special Operations, HDFC Bank Ltd.

WEST CENTRAL RAILWAY

CORRIGENDUM- 02,
Date: 20.11.2025

Tender No.: JBP-PROJECT-EPC-2025-01 DATED: 25.10.2025

1. RFP clause no. 2.2.2.4 (iii), 2.2.2.6 (ii) and EPC agreement sr. no. 14, 21 of para 3.16, para 3.2.1 have been modified, which have been uploaded in the documents attached page of NIT no- JBP-PROJECT-EPC-2025-01 dtd. 25.10.2025. **2.** Reply of pre bid query held on 11.11.2025 hrs raised by bidders have been uploaded on IREPS of present tender. Rest items shall remain same and unaltered.

(SD.)
Dy.CEE/P/JBP

स्वच्छ भारत अभियान
एक कदम स्वच्छता की ओर

WESTERN RAILWAY AHMEDABAD

EXTENSION OF FOB-3 OF NHSRCL

E-Tender Notice No. T.No: DyCECIADINHSRCL-FOB01 (Single Packet) Deputy Chief Engineer (Construction) - I, Western Railway, Ahmedabad for and on behalf of President of Union of India invites e-Tender for following work. **1. Name of work with its location:** "Extension of FOB-3 of NHSRCL to connect with the departure block building of Sabarmati (SBT) Railway Station." **2. Approx. cost of work:** ₹4,05,11,490.00 **3. Earnest money to be deposited:** ₹3,52,600.00 **4. Tender form fees:** Nil **5. Completion period of work:** 90 Days (Ninety Days) including monsoon. **6. Date and Time of submission of bid:** 15.12.2025 at 15:00 hours **7. Website particulars Notice Board location where complete details of tender can be seen & address of the office:** Office of Dy. Chief Engineer (Construction)-I, Western Railway, 2nd Floor, 'C' Wing, Nirman Bhavan, Near DRM Office, Asarva, Ahmedabad-382345 **Website: www.ireps.gov.in.** CPM 085

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NEWS DIGEST

AMC nets ₹250cr with approval of 17 skyscrapers

The AMC standing committee meeting on Thursday discussed approving the construction plans for tall buildings of 70 metres or more in height. The AMC granted development permission for 17 such tall buildings in west Ahmedabad over the last two years, earning Rs 250 crore. These projects include 2,000 residential and 2,300 commercial units. The city also saw its first residential building over 100m receive a Building Use certificate recently, indicating a skyscraper boom.



'Mooo Fest' to attract students, filmmakers from abroad: The first edition of 'Mooo Fest' at Anant National University will witness the participation of national and international students, filmmakers, and academics, said organisers on Thursday. The five-day event will include live-action filmmaking, animation, sound design, text-based storytelling, and emerging media technologies, they added. Some of the animators who will participate in the event include Gaile Cijunaityte from Lithuania, Gintare Valeviciute Brazauskiene from Lithuania, Isabel Herguera from Germany, Silas Hickey from Japan, and Francoise Chalet from Switzerland, among others.

Annexure-XVII

ગુરૂવાર, ૨૭ નવેમ્બર, ૨૦૨૫

૮ ગુજરાત સમાચાર

જાહેર સૂચના

તમામ સંબંધિત વ્યક્તિઓને આથી જાણ કરવામાં આવે છે કે "મેસર્સ ઇન્ડિયન ફાર્મર્સ ફર્ટિલાઇઝર કોઓપરેટિવ લિમિટેડ (IFFCO) દ્વારા પી.ઓ. બોક્સ નં. ૧૨, કંડલા, જિલ્લો-કચ્છ, ગુજરાત ખાતે નેનો NPK ખાતર (નેનો ખાતર) ના ઉત્પાદન માટે હાલના ખાતર પ્લાન્ટની ઉત્પાદન ક્ષમતામાં વધારો કર્યા વિના ઉત્પાદન મિશ્રણમાં ફેરફાર" પ્રોજેક્ટને પર્યાવરણ, વન અને આબોહવા પરિવર્તન મંત્રાલય, ગુજરાત દ્વારા ૩૧ ઓક્ટોબર ૨૦૨૫ ના રોજ F.No. J-11011/202/2009-IA II(I) દ્વારા પર્યાવરણીય મંજૂરી આપવામાં આવી છે અને મંજૂરી પત્રની નકલો MoEF&CC પાસે ઉપલબ્ધ છે અને મંત્રાલયની વેબસાઈટ https://parivesh.nic.in/ પર પણ જોઈ શકાય છે.

Annexure-XVII

કચ્છમિત્ર ભુજ - ગુરુવાર, તા. ૨૭-૧૧-૨૦૨૫

જાહેર સુચના

તમામ સંબંધિત વ્યકિતઓને આથી જાણ કરવામાં આવે છે કે"મેસર્સ ઈન્ડિયન ફાર્મર્સ ફર્ટિલાઈઝર કોઓપરેટીવ લિમીટેડ"(IFFCO) દ્વારા પી.ઓ. બોકસ નં. 12, કંડલા,જિલ્લો-કચ્છ, ગુજરાત ખાતે નેનો NPK ખાતર (નેનો ખાતર) ના ઉત્પાદન માટે હાલના ખાતર પ્લાન્ટની ઉત્પાદન ક્ષમતામાં વધારો કર્યા વિના ઉત્પાદન મિશ્રણમાં ફેરફાર પ્રોજેકટને પર્યાવરણ,વન અને આબોહવા પરિવર્તન મંત્રાલય,ગુજરાત દ્વારા 31 ઓકટોબર 2025 ના રોજ F. No. J-11011/202/2009 IA II(I) દ્વારા પર્યાવરણીય મંજુરી આપવામાં આવી છે. અને મંજુરી પત્રની નકલો MoEF&CC પાસે ઉપલબ્ધ છે.અને મંત્રાલયની વેબસાઇટ https://parivesh.nic.in/ પર પણ જોઈ શકાય છે.

Annexure-XVII



તા.૨૭-૧૧-૨૦૨૫

કચ્છ, પ્રાંતીજ અને ગાંધીનગરની સર્વશ્રેષ્ઠ દૈનિક

કચ્છ ઉદય

જાહેર સૂચના

તમામ સંબંધિત વ્યક્તિઓને આથી જાણ કરવામાં આવે છે કે 'મેસર્સ ઇન્ડિયન ફાર્મર્સ ફર્ટિલાઇઝર કોઓપરેટિવ લિમિટેડ (IFFCO) દ્વારા પી.ઓ. બોક્સ નં. 12, કંડલા, જિલ્લો–કચ્છ, ગુજરાત ખાતે નેનો NPK ખાતર (નેનો ખાતર) ના ઉત્પાદન માટે હાલના ખાતર પ્લાન્ટની ઉત્પાદન ક્ષમતામાં વધારો કર્યા વિના ઉત્પાદન મિશ્રણમાં ફેરફાર પ્રોજેક્ટને પર્યાવરણ, વન અને આબોહવા પરિવર્તન મંત્રાલય, ગુજરાત દ્વારા ૩૧ ઓક્ટોબર ૨૦૨૫ ના રોજ F.No.J-11011 / 202/2009-IA II(I) દ્વારા પર્યાવરણીય મંજૂરી આપવામાં આવી છે અને મંજૂરી પત્રની નકલો MoEF&CC પાસે ઉપલબ્ધ છે અને મંત્રાલયની વેબસાઈટ https://parivesh.nic.in/ પર પણ જોઈ શકાય છે.

Annexure XVIII

Report on Environment Awareness Programs at IFFCO Kandla

WORLD ENVIRONMENT DAY-2026

CELEBRATION PROGRAM AT IFFCO KANDLA, KUTCH GUJARAT



World Environment Day (WED) is celebrated worldwide on 5th June every year to take positive environmental action to protect nature and the planet Earth by dedicating ourselves to promote and preserve the ecosystem for healthy biosphere. IFFCO Kandla Unit has also celebrated "**World Environment Day**" on **5th June, 2026 (Friday)** to create awareness among employees about environmental protection and climate action. The theme for this year World Environment Day celebration is "Now for Climate". The program was organized to encourage positive action towards conservation of natural resources and sustainable development.



The World Environment Day 2026 Celebration started with an **Environmental Pledge Ceremony**, where employees took a pledge to protect the environment and adopt sustainable practices. The pledge was administered by the Unit Head, Shri Anirudha Vikram Singh.



Honourable Unit Head, Shri Anirudha Vikram Singh along with senior officers carried out the **Sapling Plantation**. The plantation activity symbolizes IFFCO Kandla's continued commitment towards environmental conservation and sustainable development through meaningful contributions in all its activities.





After the plantation programme, all participants gathered at Talwar Bhavan (Administrative Building), where an Environmental Awareness program was conducted. On this occasion, the significance of World Environment Day and the theme “Now for Climate” were explained to the employees. Honourable Unit Head, Shri Anirudha Vikram Singh **addressed the gathering** and highlighted the importance of the day, emphasizing the need for collective action to combat climate change and promote a more sustainable environment.

An **online environment quiz** was also organized to increase environmental awareness and encourage participation among employees.





A **brief presentation** on World Environment Day 2026 was delivered, covering the history and significance of World Environment Day, the WED-2026 theme, environmental protection, climate change, sustainability, and the need for collective climate action.



To encourage employee involvement, various competitions including **Slogan Writing, Poster Making** and **Environment Quiz** were organized. Employees actively participated and shared their ideas on environmental protection and climate action. During the programme, prizes were distributed to the winners of the World Environment Day Competitions–2026.





Through these activities, IFFCO Kandla Unit demonstrated its commitment towards environmental protection, climate action and sustainable development while increasing environmental awareness among employees.

Swachhata Pakhwada – 2026

CELEBRATION PROGRAM AT IFFCO KANDLA, KUTCH GUJARAT

1. Swachhata Pledge Ceremony (21.09.2026)

The first day of Swachhata Pakhwada 2026 was observed on 21.09.2026 with a Swachhata Pledge ceremony at the ground in front of Talwar Bhavan. Employees from the plant area participated in the pledge, reaffirming their commitment towards cleanliness, hygiene, environmental protection and responsible waste management. The programme marked the beginning of the Swachhata Pakhwada activities at IFFCO Kandla.









2. Township Cleanliness & Awareness Drive (21.09.2026)

A cleanliness and awareness drive was organised at Udaynagar Residential Township focusing on the elimination of single-use plastic and promoting the use of cloth bags and reusable bottles. Township residents, particularly women, were encouraged to adopt sustainable alternatives and contribute towards maintaining a clean and plastic-free environment.





3. School Awareness Programme (22.09.2026)

A cleanliness and awareness programme was conducted at Aum Vidya Mandir and Kendriya Vidyalaya. Students participated in awareness activities such as speeches and skits covering cleanliness, waste management and avoidance of single-use plastics. The programme aimed to develop responsible waste-management habits and environmental awareness among students.





4. Plant Cleanliness & Waste Management Drive (23.09.2026)

A Plant Cleanliness and Waste Management drive was conducted across all departments. Employees and officers carried out cleaning activities in their respective sections and workplaces, with emphasis on the effective collection, segregation and proper disposal of e-waste. The activity promoted workplace cleanliness and responsible waste management practices.





5. Plant Road Cleaning & Zero Waste Awareness (24.09.2026)

A Plant Road Cleanliness Drive was organised near the Ammonia Storage Tank, along with an awareness programme on Zero Waste. Employees actively participated in cleaning the designated area and were sensitised towards reducing waste generation, promoting reuse and ensuring proper management of waste to support a cleaner and more sustainable workplace.





6. Township Cleanliness & Awareness Campaign (25.09.2026)

A Cleanliness and Awareness Campaign was conducted at the Cooperative Store/Shopping Area of the township, focusing on waste segregation, plastic elimination, “Best Out of Waste” and “Swachhta Se Samriddhi.” The programme involved representatives of IEU and IOA along with employees from the township-related departments, encouraging responsible waste management and greater community participation in cleanliness initiatives.





7. Community Walkathon - Udaynagar Township (27.09.2026)

As part of Swachhata Pakhwada 2026, a Community Walkathon was organised at IFFCO Udaynagar Township on 27.09.2026 with active participation from employees, workmen, students and township residents. The Walkathon was organised with the objective of creating awareness about cleanliness, personal hygiene, waste segregation, plastic reduction and responsible waste management. Participants carried awareness messages and slogans highlighting the importance of maintaining clean surroundings and adopting environmentally responsible habits. The enthusiastic participation of the township community helped reinforce the message that cleanliness is a collective responsibility and should be adopted as a regular way of life.

Key Photographs of the event are given below:



8. Nukkad Natak (Topic: Waste Segregation) (27.09.2026)

As part of Swachhata Pakhwada 2026, a Nukkad Natak was organized at IFFCO Udaynagar Township on 27.09.2026 to create awareness among residents regarding proper waste segregation and responsible waste management. The Nukkad Natak focused on the 4-bin waste segregation system and explained the appropriate disposal of wet/biodegradable, dry/recyclable, sanitary and special-care waste in the designated green, blue, red and black bins. Through an interactive and engaging performance, residents were sensitized about the importance of segregation at source and its role in maintaining cleanliness, hygiene and a sustainable environment in the township. At the conclusion of the programme**,** the honourable Unit Head sir addressed the residents and emphasized the importance of collective participation, responsible waste disposal and adherence

to proper waste segregation practices for maintaining a clean, healthy and sustainable IFFCO Udaynagar Township.

Key Photographs of the event are given below:




















9. Best Out of Waste exhibition at Aum Vidya Mandir School in Township (28.09.2026)

The Best Out of Waste Exhibition was organized on 28.09.2026 at the MP Hall of Aum Vidya Mandir School, IFFCO Udaynagar Township, as part of Swachhata Pakhwada 2026. Township children participated by creatively transforming waste materials into useful and attractive items, promoting the concepts of waste reduction, reuse, creativity, and responsible waste management. Along with these items, drawings made by the children on the theme of Swachhata Pakhwada 2026 were also displayed. The exhibition provided an encouraging platform for children to showcase their creativity and spread awareness about cleanliness and the proper use of waste materials.

Key Photographs of the event are given below:




















IFFCO
Wholly owned by Cooperatives
KANDLA UNIT

इंडियन फार्मर्स फर्टिलाइजर कोऑपरेटिव लिमिटेड
INDIAN FARMERS FERTILISER CO-OPERATIVE LIMITED

14.11.2026

To
Ministry of Environment, Forest & Climate Change
Integrated Regional Office,
Gandhinagar A wing – 407 & 409,
Aranya Bhawan, Near CH-3 Circle, Sector-10A,
Gandhi Nagar-382010, Gujarat

Sub: Half Yearly Compliance Report for the period Apr-2026 to Sep-2026 for Proposed addition of Nano-Fertilizer (Nano DAP) in existing Fertilizer unit with production capacity of 36500 KL per year located at Kandla Unit at P.O. Box No. 12, Kandla, District-Kutch, Gujarat by M/s Indian Farmers Fertiliser Cooperative Limited (IFFCO)

Ref: Ministry of Environment & Forests, New Delhi Environment Clearance letter No. F. No. J-11011/202/2009-I.A.II(I) dated 27.02.2024

Dear Sir,

With reference to the above referred Environmental Clearance issued to Kandla plant for the Proposed addition of Nano-Fertilizer (Nano DAP) in existing Fertilizer unit with production capacity of 36500 KL per year located at Kandla Unit at P.O. Box No. 12, Kandla, District-Kutch, Gujarat by M/s Indian Farmers Fertiliser Cooperative Limited (IFFCO), enclosed please find herewith the Half Yearly Compliance Report for the period Apr-26 to Sep-26 in respect of the stipulated Environmental Clearance terms and conditions.

With Kind Regards,

Jitendra Singh
Jt. General Manager (Technical)

Cc: The Member Secretary, Gujarat Pollution Control Board (GPCB),Paryavaran Bhavan, Sector 10 A, Gandhinagar - 382 043, Gujarat.

कांडला इकाई / Kandla Unit, कांडला / Kandla, कच्छ / Kutch, (गुजरात) / (Gujarat) - 370 210.
फोन / Phones : 02836 - 254000, 270381, 270382, फेक्स / Fax : 028036 - 270642
E-mail : iffco_kandla@iffco.in • Website : www.iffco.in • IFFCO_PR • IFFCO.COOP

INDIAN FARMERS FERTILISER COOPERATIVE LIMITED
KANDLA UNIT

Half yearly compliance reports
Period April-2026 to September-2026

Sub: Grant of prior Environmental Clearance (EC) for Proposed addition of Nano-Fertilizer (Nano DAP) in existing Fertilizer unit with production capacity of 36500 kL per year located at Kandla Unit at P.O. Box No. 12, Kandla, District-Kutch, Gujarat by M/s Indian Farmers Fertiliser Cooperative Limited (IFFCO) under the provision of the EIA Notification 2006

Ref: Environment Clearance F. No. J-11011/202/2009-IA II (I), dtd 27/02/2024 from Ministry of Environment, Forest and Climate Change (I. A. Division)

Part A - SPECIFIC CONDITIONS:

Sr. No.	Environmental Conditions /Safeguards	Compliances
1.	A separate Environmental Management Cell (having qualified persons with Environmental Science/Environmental Engineering/specialization in the project area) equipped with full-fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions. PP shall engage Unit head- HOD (Technical) – HOD Process Engineering- HOS (Laboratory). In addition to this one safety & health officer as per the qualification given in Factories Act 1948 shall be engaged within a month of grant of EC. PP should annually submit the audited statement of amount spent towards the engagement of qualified persons in EMC along with details of person engaged to the Regional Office of MoEF&CC before 1st July of every year for the activities carried out during previous year.	**Complied.** Plant has an EMC & EHS cell to monitor the implementation of the EMP & EHS. Cell is chaired by the Jt. General Manager (Technical) under supervision of Unit Head. Environment Management Cell is having four officials with other supporting members to operate and ensure EMP in the plant. Plant has also established laboratory facilities in the plant for environment monitoring. Facilities for chemical analysis is set up in plant premises. Various quality monitoring instruments are available at Central Laboratory for analysis of raw materials, gaseous and liquid composition in the process and Final product. Standard methods are used for collection of liquid and gaseous samples. All the relevant Environment and quality monitoring instruments are calibrated periodically through external agency / inhouse. Standard operating procedures for analysis of various parameters have been prepared and followed.

Sr. No.	Environmental Conditions /Safeguards	Compliances
		IFFCO Kandla has spent Rs. 129.97 Lakhs towards engagement for qualified persons in EMC cell for FY 2026-27 (Apr-26 to Sep-26). Certified statement of the same is attached as **Annexure-IV.**
2.	The company shall comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, and risk mitigation measures relating to the project shall be implemented. The budget propose under EMP is 1552.55 Lakhs (Capital cost) and Rs.3359.13 lakhs per annum (Recurring cost) shall be kept in separate account and should be audited annually. The PP should submit the annual audited statement along with proof of implementation of activities proposed under EMP duly supported by photographs (before & after with geo-location date & time) and other document as applicable to the Regional Office of MoEF&CC before 1st July of every year for the activities carried out during previous year.	**Complied.** IFFCO Kandla has spent Rs. 447.64 Lakhs against various modifications for Environment Management during FY 2026-27. Certified statement of the same is attached as **Annexure-V.** Proof of implementation of activities proposed under EMP supported by photographs is attached as **Annexure-VI.** Also, total investment of Rs. 135.28 Lakhs has been made by IFFCO Kandla for development and Upkeep of Green Belt area during FY 2026-27 (Apr-26 to Sep-26) in Kandla plant and Township.
3.	As proposed Low Sulfur Furnace Oil/ coal shall be used as a primary fuel. The phasing out of coal may be explored.	**Complied** Coal is used as a primary fuel and Low Sulphur Furnace Oil is being used as standby fuel.
4.	The PP reported that the existing freshwater requirement of the plant is 1132.5 KLD (Industrial- 902.5 KLD; Domestic- 230 KLD) being sourced from Gujarat Water Supply & Sewerage Board (GWSSB). The freshwater requirement of the project after expansion will be 1522.5 KLD (Industrial: 1281.5 KLD; Domestic: 241 KLD). The PP shall ensure that water supply should not be above the permissible limit and fresh water shall be withdrawn only after obtaining requisite permission from Concerned Authority. The PP should submit the details of utilization to the Integrated Regional	**Complied** Piling work of the proposed Nano DAP project was completed on 31.01.2025. Presently, the construction of Nano DAP project is halted. Additional freshwater will be required after commissioning of the expansion project. Existing industrial freshwater requirement is below permissible limit of 1132.5 KLD for Kandla Plant.

Sr. No.	Environmental Conditions /Safeguards	Compliances
	Office (IRO), MoEF&CC before 1st July of every year for the activities carried out during the previous year.	
5.	Under existing phase, Industrial wastewater along with effluent generated from the plant (124 KLD) is being collected in the Central Sump of NPK/DAP Plant from where it is completely recycled/consumed in the scrubber process of NPK/DAP plant because NPK/DAP plant is negative water balance plant. Hence, the plant is Zero liquid effluent discharge (ZLD) based plant. Domestic Sewage (200 KLD) is treated in Sewage Treatment Plant and the treated effluent is being used for horticultural purposes in the plant. Under proposed Nano-DAP fertilizer plant, wastewater generation from plant will be 35 KLD (Process & Washing- 2 KLD; Cooling Tower Blow Down- 24 KLD & Domestic Sewage- 9 KLD). Process effluent and cooling tower blow down will be discharged to Effluent Collection Pit that will be scrubbed in NPK-II Plant. Domestic sewage will be treated in proposed Sewage Treatment Plant (Capacity-10 KLD). Treated water will be reused for horticultural purposes. Total wastewater generation after expansion will be 359 KLD (Industrial Effluent: 150 KLD; Domestic Sewage: 209 KLD). Industrial Effluent will be Collected in Effluent Collection Pit from where it shall be recycled to scrubber area of NPK-II plant. Domestic sewage will be treated in STP's (Existing- 250 KLD & Proposed-10 KLD). STP treated water will be reused within the plant for horticultural purposes.	**Complied** Piling work of the proposed Nano DAP project was completed on 31.01.2025. Presently, the construction of Nano DAP project is halted. Additional wastewater will be generated after commissioning of the expansion project. Industrial wastewater along with effluent generated from the plant are being collected in the Central Sump of NPK/DAP Plant from where it is completely recycled/consumed in the scrubber process of NPK/DAP plant because NPK/DAP plant is negative water balance plant. Hence, the plant is Zero liquid effluent discharge (ZLD) based plant. Domestic Sewage is treated in Sewage Treatment Plant and the treated effluent is being used for horticultural purposes in the plant.
6.	No banned chemicals shall be manufactured by the project proponent. No banned raw materials shall be used in the unit. The project proponent shall adhere to the notifications/guidelines of the Government in this regard.	**Complied** IFFCO Kandla does not utilize any banned chemicals for manufacturing of NPK/DAP and water-Soluble fertilizers.

Sr. No.	Environmental Conditions /Safeguards	Compliances
7.	The project proponent shall comply with the environment norms for Chemical Fertilizer Industry as notified by the Ministry of Environment, Forest and Climate Change, vide GSR 1607 (E), dated 29.12.2017 under the provisions of the Environment (Protection) Rules, 1986.	**Complied** IFFCO Kandla unit complies with all environmental protection measures and safeguards for Chemical Fertilizer Industry as notified by the Ministry of Environment, Forest and Climate Change, vide GSR 1607 (E), dated 29.12.2017 under the provisions of the Environment (Protection) Rules, 1986. Emission from process stack and flue gas stack is under GPCB permissible limits. Continuous Emission Monitoring System (CEMS) is installed in the process & utility stacks for monitoring and emission parameter of process stack of NPK/DAP plant are uploaded on CPCB server on real time basis. Photographs of CPCB server data transfer is attached as **Annexure-VII**. Also, regular stack/vent monitoring is being done by inhouse and NABL/MoEF&CC approved Lab. All the stacks/Vents are meeting the MoEF&CC/GPCB/CPCB norms. Latest Test Report is attached as **Annexure-VIII.** Industrial wastewater along with effluent generated from the plant are being collected in the Central Sump of NPK/DAP Plant from where it is completely recycled/consumed in the scrubber process of NPK/DAP plant because NPK/DAP plant is negative water balance plant. Hence, Kandla plant is Zero liquid effluent discharge (ZLD) based plant. Domestic sewage is treated in Sewage Treatment Plant and the treated effluent is being used for horticultural purposes in the plant.
8.	The project proponent shall utilize modern technologies for capturing of carbon emitted and shall also develop carbon sink/carbon sequestration resources capable of capturing more than emitted. The implementation report	**Complied** <u>Greenbelt Development:</u> IFFCO Kandla Unit has developed green area inside and outside the IFFCO Plant.

<table>
<tr><th>Sr. No.</th><th>Environmental Conditions /Safeguards</th><th>Compliances</th></tr>
<tr><td></td><td>shall be submitted to the IRO, MoEF&CC in this regard.</td><td>Total green cover is approximately 90 Acres and its details is given below:<table><tr><td>Plant</td><td>Approximately 11 Acres</td></tr><tr><td>Township</td><td>Approximately 75 Acres</td></tr><tr><td>Gandhidham town</td><td>Approximately 4 Acres</td></tr></table>Photographs showing green area in plant area and Township is attached as Annexure-IX.
Additionally, IFFCO has carried out green belt development in Pantiya Village of Kutch District with approx. 41736 no. of trees in the village (113 Acres area). Innumerous efforts have been made for green belt development in other areas also.

<u>Renewable Energy Resources</u>
a). Solar roof top panels of total capacity 720 kWp has been installed at various buildings of Plant and Township (360 kWp each) at a cost of Rs. 4.66 crore. 441 MWh of power was generated by Solar roof top panels during the year FY 2026-27(Apr-26 to Sep-26) (equivalent to 309 MT of CO_2 emission reduction @ 0.7 kg CO_2/kWh)
b). Electric vehicles and battery-operated trolleys are being utilized for material transport within plant premises.
<u>Development of Nano Fertilizers</u>
The newly proposed technology i.e., Nanotechnology is the latest development in R&D of IFFCO that has become proven to manufacture nano fertilisers without emitting pollution into environment and thereby will reduce carbon footprint.
In this way, IFFCO Kandla is working for reducing overall carbon footprint.</td></tr>
<tr><td>9.</td><td>All necessary precautions shall be taken to avoid accidents and action plan shall be implemented for avoiding accidents. The project proponent shall implement the onsite/offsite emergency plan/mock drill etc. and mitigation measures as prescribed under the rules and guidelines issued in the Manufacture, Storage, and</td><td>Complied
IFFCO Kandla is having full-fledged dedicated Fire & Safety Department with qualified and experienced Fire Staff available round the clock to control/mitigate any emergency.
No major accidents have been registered in the plant during the said period.</td></tr>
</table>

Sr. No.	Environmental Conditions /Safeguards	Compliances
	Import of Hazardous Chemicals (MSIHC) Rules, 1989, as amended time to time, and the Chemical Accidents (Emergency Planning, Preparedness and Response) Rules, 1996.	All necessary precautions have been taken to avoid accidents and action plan has been implemented for avoiding accidents. Mock drills are conducted on half yearly basis. Onsite emergency plan is attached as **Annexure-X(a)** latest mock drill report is attached as **Annexure-X(b).**
10.	The volatile organic compounds (VOCs)/Fugitive emissions shall be controlled at 99.97 % with effective chillers/modern technology. Regular monitoring of VOCs shall be carried out.	**Complied** There are no Volatile organic compounds (VOCs) in the manufacturing process of the plant. Regular work zone monitoring is being done in plant by inhouse and NABL/MoEF&CC approved lab. Latest Test Report is attached as **Annexure-XI.**
11.	The storage of toxic/hazardous raw material shall be bare minimum with respect to quantity and inventory. Quantity and days of storage shall be submitted to the Regional Office of Ministry and SPCB along with the compliance report.	**Complied** The toxic/hazardous raw materials are stored/ maintained with bare minimum with respect to quantity and inventory. Details of stock of toxic/hazardous raw materials with quantity attached as **Annexure-XII.**
12.	The occupational health centre for surveillance of the worker's health shall be set up. The health data shall be used in deploying the duties of the workers. All workers & employees shall be provided with required safety kits/mask for personal protection.	**Complied** Different plans and measures are adopted by the Plant to ensure the occupational health and safety of all contract workers. Occupational Health and Safety policy is developed at the plant. Pre-placement and periodical examination (Physical examination, Urine Routine examination, Hematology, LFT, Blood Sugar, chest x rays, Audiometry, Spirometry, Vision testing, ECG, etc.) of Staff and workers is being done by IFFCO to analyze the health status as per DGMS guideline. Record of the same has been maintained in the plant and submitted to the concerned department. The unit is having full-fledged Occupational Health Centre in the Factory and IFFCO-Kandla is also ISO 45001:2018 certified company.
13.	Training shall be imparted to all employees on safety and health aspects	**Complied.**

Sr. No.	Environmental Conditions /Safeguards	Compliances
	for handling chemicals. Safety and visual reality training shall be provided to employees. Action plan for mitigation measures shall be properly implemented based on the safety and risk assessment studies.	Yes, periodical training on various safety and health aspects of chemicals handling is being imparted to all employees. Details with photographs of training provided to employees is attached as **Annexure-XIII**.
14.	The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Fire-fighting system shall be as per the norms.	**Fire Protection Measures Adopted in Plant:** • Full Fledged Fire and Safety department with professionally qualified, experienced and skilled staff. • Fire hydrant system network of around 11000 meters with 8.0 kg/cm^2 pressure having fire pumps working on auto is provided all over the plant & around the ammonia storage tanks to create water curtain in case of Ammonia leakage. The Water curtain can prevent the spreading of Ammonia in surrounding area of plant premises. Water monitors, water sprinklers system, contaminated type safety showers and eye washer are provided around the hazardous area. Water curtain system is provided in front of Control Room to prevent entering of Ammonia in control room. • There are four numbers of Fire Pumps each of capacity of 273 m^3/hr and Jockey Pump of 15 m^3/hr capacity and 291 Nos. of Fire Hydrant and 15 Nos. of water monitors provided in fire hydrant network all over the plant. • DCP Fire Extinguishers & CO_2 Fire Extinguishers provided in the plant area for immediate fire-fighting. • Smoke Detector system also provided in high hazard area of the plant. • Ammonia Sensors provided in Ammonia Storage & six Production streams. • Two multipurpose foam tenders and two emergency Jeeps with latest Fire-fighting equipment and with experienced & trained Fire staff are always ready to tackle any emergency and they are present round the clock at Fire Control Room. • PPE for workmen.

Sr. No.	Environmental Conditions /Safeguards	Compliances
15.	The solvent management shall be carried out as follows: (a) Reactor shall be connected to chilled brine condenser system. (b) Reactor and solvent handling pump shall have mechanical seals to prevent leakages. (c) Solvents shall be stored in a separate space specified with all safety measures. (d) Proper earthing shall be provided in all the electrical equipment wherever solvent handling is done. (e) Entire plant shall be flameproof. The solvent storage tanks shall be provided with breather valve to prevent losses. (f) All the solvent storage tanks shall be provided with vent condensers with chilled brine circulation.	Not Applicable, as there is no usage of solvent in the manufacturing process in the plant.
16.	The PP shall undertake waste minimization measures as below	**Complied**
	(a) Metering and control of quantities of active ingredients to minimize waste;	(a) Specific vessels / tanks have Process and Instrument control valves for controlled use of active ingredients/chemicals and to minimize the waste.
	(b) Reuse of by-products from the process as raw materials or as raw material substitutes in other processes.	(b) Industrial wastewater along with effluent generated from the plant are being collected in the Central Sump of NPK/DAP Plant from where it is completely recycled/consumed in the scrubber process of NPK/DAP plant because NPK/DAP plant is negative water balance plant.
	(c) Use of automated filling to minimize spillage.	(c) IFFCO Kandla unit is having automatic weighing and filling system in product handling plant to minimize spillage.
	(d) Use of Close Feed system into batch reactors.	(d) IFFCO Kandla is having close feed system in Pre-Neutralizer tanks at four streams of Kandla plant and Pipe reactors at two streams of Kandla plant.
	(e) Venting equipment through vapor recovery system.	(e) APCS comprising of Cyclone and wet venturi scrubber is provided to each air pollution source at IFFCO Kandla for recovery of escaped NH_3 and particulate matter.
	(f) Use of high pressure-hoses for equipment cleaning to reduce wastewater generation.	(f) High-pressure hoses are used for cleaning purposes and to reduce wastewater generation.

Sr. No.	Environmental Conditions /Safeguards	Compliances
17.	The activities and the action plan proposed by the project proponent to address the issues raised during the public hearing as well as the related socio-economic issues in the study area shall be completed as per the schedule presented before the Committee and as described in the EIA report in letter and spirit.	**Complied.**

Part B - GENERAL CONDITIONS:

Sr. No.	Environmental Conditions /Safeguards	Compliances
1.	No further expansion or modifications in the plant, other than mentioned in the EIA Notification, 2006 and its amendments, shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change/SEIAA, as applicable. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry/SEIAA, as applicable, to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.	**Noted and complied.**
2.	The Project proponent shall strictly comply with the rules and guidelines issued under the Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989, as amended time to time, the Chemical Accidents (Emergency Planning, Preparedness and Response) Rules, 1996, and Hazardous and Other Wastes (Management and Trans- Boundary Movement) Rules, 2016 and other rules notified under various Acts.	**Noted and complied.** All relevant clauses of the Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989 are complied. IFFCO Kandla is having full-fledged dedicated Fire and Safety Department with qualified and experienced Fire Staff available round the clock to control/mitigate any emergency. Authorization from GPCB has been obtained for collection, treatment, storage and disposal of hazardous waste vide authorization no. AWH-113047 dated 14.03.2024 and valid upto 20.10.2028.

Sr. No.	Environmental Conditions /Safeguards	Compliances
		Rules and guidelines under MSIHC Rules are strictly followed in the plant.
3.	The energy source for lighting purpose shall be preferably LED based, or advanced having preference in energy Conservation and environment betterment.	**Complied** All the energy sources for lighting purpose are LED based.
4.	The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under the Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).	**Complied** All Machinery Equipment are such that noise levels are within permissible limits. Noise at the boundary of the plant is maintained less than 75 dB(A) during daytime and 70 dB(A) during night time. Noise monitoring is being carried out periodically. Latest Noise monitoring report is attached as **Annexure-XIV.**
5.	The company shall undertake all relevant measures for improving the socio-economic conditions of the surrounding area. The activities shall be undertaken by involving local villages and administration. The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.	**Complied** Eco-development is carried out by IFFCO through Indian Farm Forestry Development Cooperative Limited (IFFDC) by developing wastelands for tree plantation. Afforestation in about 29,420 hectares has been achieved in various states. Community welfare measures are undertaken at IFFCO through its Integrated Rural Development Program (IRDP) of village adoption for overall socio-economic development in rural areas. Villages in various states have been covered under this program. Eco development and community welfare is carried out at the corporate level in IFFCO.
6.	The company shall earmark sufficient funds towards capital cost and recurring cost per annum to implement the conditions stipulated by the Ministry of Environment, Forest and Climate Change as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so earmarked for environment management/ pollution control measures shall not be diverted for any other purpose.	**Noted and complied.** Adequate funds to implement conditions stipulated by MoEFCC and SPCB have been provided for environmental protection. These funds are not diverted for any other purpose.

Sr. No.	Environmental Conditions /Safeguards	Compliances
7.	A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, Zilla Parishad/Municipal Corporation, Urban local Body and the local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal.	**Complied** There were no suggestions/ representations received from the concerned Panchayat, Zilla Parishad/Municipal Corporation, Urban local Body and the local NGO while processing the proposal. However, one copy each of Environment clearance letter has been given to District Collector, District Industry centre Bhuj, District Development Officer Bhuj, Taluka Development Officer Gandhidham, and IRO Gandhinagar. Copies of receipt of acknowledgement are attached as **Annexure-XV**.
8.	The project proponent shall also upload/submit six monthly reports on PARIVESH Portal on the status of compliance of the stipulated Environmental Clearance conditions including results of monitored data to the respective Integrated Regional Office of MoEF&CC, the respective Zonal Office of CPCB and SPCB. A copy of Environmental Clearance and six-monthly compliance status report shall be posted on the website of the company.	**Noted.** Six monthly compliance report is being regularly uploaded to the MoEFCC/SPCB/CPCB. The same shall be uploaded on the company website.
9.	The environmental statement for each financial year ending 31st March in Form-V as is mandated shall be submitted to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the respective Integrated Regional Office of MoEF&CC by e-mail.	**Complied** The environmental statement in Form-V has been submitted to GPCB and the same is uploaded on GPCB XGN portal and on IFFCO's website www.iffco.in. A copy of the same has been sent to IRO-Gandhinagar by e-mail. Form-V for the year FY 2025-26 is attached as **Annexure-XVI.**

<table>
<tr><th>Sr. No.</th><th>Environmental Conditions /Safeguards</th><th>Compliances</th></tr>
<tr><td>10.</td><td>The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB/Committee and may also be seen at Website of the Ministry and at https://parivesh.nic.in/. This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the concerned Regional Office of the Ministry.</td><td>Complied

The matter has been advertised in local newspapers in Gujarati and English for information to the public. Details of newspaper with publishing date is given in the table below:
<table><tr><th></th><th>Newspaper</th><th>Publishing Date</th></tr><tr><td rowspan="3">Gujarati Newspaper</td><td>Kutch Uday</td><td>01.03.2024</td></tr><tr><td>Gujarat Samachar</td><td>02.03.2024</td></tr><tr><td>Kutch Mitra</td><td>02.03.2024</td></tr><tr><td rowspan="2">English Newspaper</td><td>Times of India</td><td>02.03.2024</td></tr><tr><td>Indian Express</td><td>02.03.2024</td></tr></table>Copy of the same has been forwarded to regional office of the Ministry. Copy of newspaper clippings is attached as Annexure-XVII.</td></tr>
<tr><td>11.</td><td>The project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.</td><td>Noted and complied.
Piling work of the proposed Nano DAP project was completed on 31.01.2025. Presently, the construction of Nano DAP project is halted.</td></tr>
<tr><td>12.</td><td>This Environmental clearance is granted subject to final outcome of Hon’ble Supreme Court of India, Hon’ble High Court, Hon’ble NGT and any other Court of Law, if any, as may be applicable to this project.</td><td>Noted.</td></tr>
</table>

सत्यमेव जयते

File No: J-11011/202/2009-IA.II(I)
Government of India
Ministry of Environment, Forest and Climate Change
IA Division
****

Date **27/02/2024**

To,

Sh Arun Kumar Sharma
INDIAN FARMERS FERTILISER COOPERATIVE LIMITED
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Subject: Grant of prior Environmental Clearance (EC) for **Proposed addition of Nano-Fertilizer (Nano DAP) in existing Fertilizer unit with production capacity of 36500 kL per year located at Kandla Unit at P.O. Box No. 12, Kandla, District-Kutch, Gujarat by M/s Indian Farmers Fertiliser Cooperative Limited (IFFCO)** under the provision of the EIA Notification 2006 -regarding.

Sir/Madam,

This is in reference to your application submitted to MoEF&CC vide proposal number IA/GJ/IND3/437120/2023 dated 11/09/2023 for grant of prior Environmental Clearance (EC) to the proposed project under the provision of the EIA Notification 2006 and as amended thereof.

2. The particulars of the proposal are as below :

(i) EC Identification No.	EC23A1904GJ5461768N
(ii) File No.	J-11011/202/2009-IA.II(I)
(iii) Clearance Type	Fresh EC
(iv) Category	A
(v) Project/Activity Included Schedule No.	5(a) Chemical fertilizers
(vi) Sector	Industrial Projects - 3
(vii) Name of Project	Expansion of Existing Fertilizer Plant for Manufacturing of Nano-Fertilizer (Nano-DAP), Kandla Unit
(viii) Name of Company/Organization	INDIAN FARMERS FERTILISER COOPERATIVE LIMITED
(ix) Location of Project (District, State)	KACHCHH, GUJARAT
(x) Issuing Authority	MoEF&CC
(xi) Applicability of General Conditions as per EIA Notification, 2006	No

3. The Ministry of Environment, Forest and Climate Change has examined the proposal seeking environmental clearance for the Proposed addition of Nano-Fertilizer (Nano DAP) in existing Fertilizer unit with production capacity of 36500 kL per year located at Kandla Unit at P.O. Box No. 12, Kandla, District-Kutch, Gujarat by M/s Indian Farmers Fertiliser Cooperative Limited (IFFCO).

4. The project/activity is covered under Category 'A' of Item 5(a) Chemical Fertilizer (excluding formulations of Schedule of EIA Notification, 2006 (as amended).

5. The **Standard ToR** was granted by the Ministry, vide letter no. J-11011/202/2009-IA. II (I) dated **5.11.2022.** The PP applied for Environment Clearance in the Common Application Form and submitted EIA/EMP Report and other documents. The PP in the Form reported that it is an **Expansion case.**

6. The proposal was placed in 66th EAC meeting on 26th September, 2023, However PP vide e-mail dated 12.10.2023 requested for correction in the Minutes of 66th EAC meeting held on 26th September, 2023. The case was then taken up in the EAC meeting held on 4-5 December, 2023. The Committee deferred the proposal for want of additional information i.e. details of CRZ clearance obtained for the existing project for land area 70.54 ha, if any. Thereafter, upon receipt of the additional information, the case was taken up in 73rd EXPERT APPRAISAL COMMITTEE (INDUSTRY-3 SECTOR) MEETING HELD ON 16th-17th JANUARY, 2024.

7. PP along with accredited Consultant, M/s EQMS Global Pvt. Ltd (NABET Accreditation No.: NABET/EIA/2225/RA 0303 Valid Upto 23.11.2025)] made a detailed presentation on the salient features of the project. The information submitted by the PP is as follows:

8. The PP reported that the **existing land area** is 704153.64 sq.m. **Proposed expansion is planned within the existing premises.** The details of products to be manufactured are as follows:

S. No.	**Product**	**As per CTO (MT/Annum)**	**Proposed/ Additional (MT/Annum)**	**After Expansion (MT/Annum)**	**Remarks**
1	NPK 10:26:26*	Fortified 0.5% Zn in NPK/DAP of Total Capacity of 10 Lac MT of P2O5	0	Fortified 0.5% Zn in NPK/DAP of Total Capacity of 10 Lac MT of P2O5	No Change
2	NPK 12:32:16*				
3	DAP 18:46*				
4	MAP 11:52*				
5	Urea Phosphate (17:44)	15000 MT of Bulk Capacity	0	15000 MT of Bulk Capacity	No Change
6	NPK Products by mixing sulphate of potash				
7	NPK 19:19:19 NPK 12:30:15 NPK 12:32:14 NPK 18:18:18 (By Mixing of solid raw materials in rotary mixers only)	15000 MT	0	15000 MT	No Change
8	Zinc Sulphate Monohydrate	30000 MT of Bulk Capacity	0	30000 MT of Bulk Capacity	No Change
9	**Nano-DAP**	**0**	**36500 kL per year**	**36500 kL per year**	**New Product**
Different grades of NPK/DAP/MAP/NP shall be manufactured in the plant.					

9. The PP reported that there is no violation case as per the Notification No. S.O. 804(E) dated 14.03.2017 however, one Show Cause Notice has been issued by the GPCB vide letter dated 3.11.2018 and the reply for the same has been submitted on 14.11.2018 and 6.2.2019. CCA and its amendment were issued by GPCB on 18.12.2018 and 23.3.2022 respectively.

10. The PP reported that the **Ministry had issued EC earlier vide letter no. J-11011/202/2009-IA. II(I) dated 13th May, 2009** to the Fertilizer Plant for manufacturing Water Soluble Fertilizers in favour of M/s Indian Farmers Fertiliser Cooperative Limited (IFFCO).

11. The PP reported that the **Certified Compliance Report** of the existing EC was issued by IRO Gandhinagar vide letter no. J-11/8-2022-IROGNR dated 28.08.2023 based on the site inspection conducted on 18.08.2023 wherein, out of 35 condition, it may be seen that 22 complied, 3 partly complied, 3 agreed to comply by the PP, 6 noted by the unit whereas ` condition can't be ascertained. Action taken report for the partly complied conditions has been submitted to IRO Gandhinagar vide letter dated 02.9.2023.

12. The PP reported that there are four Mangroves Patches (0.7km, 3.50 km, 4.61 km & 7.32 km) located within 10 km of the project and there are six water bodies in 10 Km radius i.e., Kandla Creek (10 Meters, E), Phang Creek (3.50 km, N), Sara Creek (4.91 km, N), Nakti Creek (5.43 km, W), Sanu Creek (6.50 km, N), Sakar River (8.06 km, SW). Four Schedule-I species i.e Indian Crested Porcupine, Indian Rat Snake, Indian Peafowl were observed in the 10 km radius from the proposed project for which **conservation plan** has been prepared and submitted to CWW on 8.7.2023.

13. The PP reported that **Ambient air quality** monitoring was carried out at Seven (7) locations Oct-2020-Dec,2020. The baseline data indicates that ranges of concentrations as: PM10 (41-88 µg/m3), PM2.5 (22-48 µg/m3), SO2 (5.6- 14.4 µ g/m3) and NOx (8.4-25.6 µg/m3). The resultant concentrations are within the National Ambient Air Quality Standards (NAAQS). The manufacturing process of nano-fertilizer plant is a closed loop reactor vessel setup with regulated control. Hence, nano-fertilizers plant will not contribute to air emissions. There shall be no gaseous emission from Nano Fertilizer Unit. No additional process Stack is proposed in expansion and there shall be no gaseous emission from Nano Fertilizer Unit.

14. Noise- Ambient noise level monitoring was done at eight (8) locations during study period. Noise level values ranged from 52.8 to 63.2 dB(A) during day and 40.1 to 54.6 dB(A) during night-time. The noise levels observed in the project site and study are within prescribed limits except the location Khari Road & KASEZ Township. **Groundwater** quality monitoring was done at eight (8) locations during the study period. The pH ranged between 7.40 to 7.76, which are well within the specified standard of 6.5 to 8.5 limit. Total hardness levels were recorded in the range between 214 to 432 mg/l that falls within the permissible limit of 600 mg/l. Total dissolved solids were recorded in the range of 382 to 1496 mg/l that falls within permissible limits of 2000 mg/l. Chloride levels were recorded between 68 to 412 mg/l that falls within the range of permissible limit i.e., 1000 mg/l. Sulphate levels were observed in the range of 26 to 230 mg/l and were within the acceptable limit i.e., 400 mg/l. Bacteriological studies reveal that no coliform bacteria are present in the samples. The heavy metal contents were observed to be in below detectable limits. Parameters for toxic substances were recorded within the permissible limits. All physical and general parameters were observed within the permissible limit as per IS10500:2012.

15. Surface water quality monitoring was done at five (5) locations during study period. Comparing the values of pH, DO, BOD and Total Coliforms with 'Use based classification of surface waters' published by Central Pollution Control Board; the analyzed surface waters is moderately polluted and classified as **"below 'E' Soil quality** monitoring was done at Eight (8) locations during the study period. As per the grain size distribution the percentage of Sand in all sampled soil was found varied from 72.3% to 85.2%, Silt varied from 8.2 to 15.7% and Clay from 6.6% to 20.2% during post-Monsoon season. Thus, the soil texture is Sandy Loam. The Organic Carbon content of sampled soil during study varied from 0.32% to 0.81%, thereby implying that soils are very low to high organic content. Available nitrogen content in the surface soils ranges between 79kg/ha to 128 kg/ha thereby indicating that soils are Low available nitrogen content. Available phosphorus content ranges between 7.1 kg/ha to 16.2 kg/ha thereby indicating that soils are low to medium in available phosphorus. Available potassiums in these soils range between 92 kg/ha to 292 kg/ha thereby indicating that the soils are low to high in potassium content.

16. The PP reported that the existing freshwater requirement of the plant is 1132.5 KLD (Industrial- 902.5 KLD; Domestic- 230 KLD) being sourced from Gujarat Water Supply & Sewerage Board (GWSSB). **The freshwater requirement of the project after expansion will be 1522.5 KLD (Industrial: 1281.5 KLD; Domestic: 241 KLD).** Under existing phase, Industrial wastewater along with effluent generated from the plant (124 KLD) is being collected in the Central Sump of NPK/DAP Plant from where it is completely recycled/consumed in the scrubber process of NPK/DAP plant because NPK/DAP plant is negative water balance plant. Hence, the plant is Zero liquid effluent

discharge (ZLD) based plant. Domestic Sewage (200 KLD) is treated in Sewage Treatment Plant and the treated effluent is being used for horticultural purposes in the plant. Under proposed Nano-DAP fertilizer plant, wastewater generation from plant will be 35 KLD (Process &Washing- 2 KLD; Cooling Tower Blow Down- 24 KLD & Domestic Sewage- 9 KLD). Process effluent and cooling tower blow down will be discharged to Effluent Collection Pit that will be recycled in NPK-II Plant. Domestic sewage will be treated in proposed Sewage Treatment Plant (Capacity-10 KLD). Treated water will be reused for horticultural purposes. **Total wastewater generation after expansion will be 359 KLD (Industrial Effluent: 150 KLD; Domestic Sewage: 209 KLD). Industrial Effluent will be Collected in Effluent Collection Pit from where it shall be recycled to scrubber area of NPK-II plant. Domestic sewage will be treated in STP's (Existing- 250 KLD & Proposed-10 KLD). STP treated water will be reused within the plant for horticultural purposes.**

17. The existing **power requirement** of the project is 15.5 MVA which is supplied by PGVCL (formerly known as Gujarat Electricity Board- GEB). No additional power required for the expansion. The existing unit has 2 DG set of 2x1010 KVA, after proposed expansion additional DG set of 1 x 300 KVA will be installed as power backup to be used during power failure. Stack will be provided as per CPCB norms to the proposed DG sets.

18. The existing unit has one coal fired boiler of 14 TPH & one FO based boiler of 16 TPH. ESP with a stack of height of 51 m already installed for controlling the particulate emissions within the statutory limit of 150 mg/Nm3 for the existing boilers. No additional boiler will be installed.

FUEL REQUIREMENTS				
Particular	**Unit**	**As per CTO**	**Proposed**	**Total after Expansion**
Coal	MT/hr	12.96	0	12.96
Low Sulfur Furnace Oil*	kL/day	53	0	53

Low Sulfur Furnace Oil is used only when Hot Air Generator (HAG)for any train/Coal fired Boiler is under Preventive Maintenance. The Low Sulfur Furnace Oil consumption data is given assuming full load. Fuel for stand-by boiler will be Diesel/Natural Gas. Being a stand-by boiler, fuel requirement will be minimum (It will be operated when whole plant required to be taken in shut-down).

19. Details of Process Emissions Generation and its Management:

S. No	**Stack**	**Stack Height (m)**	**APCS**	**Velocity (m/s)**	**Temp. (0C)**	**Flow (m3/hr)**	**Type of Pollutant**
Existing							
Utilities							
1.	Boiler (Coal Based) – 14 TPH	51 m (Common Stack)	ESP	08-10	120-130	30000	PM, SO2, Nox
2.	Boiler (FO Based) – 16 TPH (standby)						
3.	Indirect Coal Fired Hot Air Generator for 2 Nos. providing hot air to Zinc Sulphate Plant	41 m common stock for Both HAG	ESP individually for each HAG	9-12	100-110	35000	PM, SO2, Nox
4.	DG Sets (2 x 1010 kVA)	Stack height: 28 m Stack Dia: 0.35 m	-	-	-	-	PM, SO2, Nox
Process Emission							
5.	Reaction Vessel- Zinc Sulphate Plant	23	Scrubber	08-10	60-70	8000	Acid Mist
6.	Spray Dryer-1	30	Quadruple Cyclone with Scrubber	10-12	50-60	80900	PM
7.	Spray Dryer-2	30	Quadruple	10-12	50-61	80900	PM

			Cyclone with Scrubber				
8.	6 Nos. Direct Coal Fired Hot Air Generator for providing Hot Air to NPK/DAP Plant (A, B, C, D, E & F Trains)	41 m for each train	Cyclone with wet scrubber	12-18	50-60	A Train: 266400 B Train: 266400 C Train: 283400 D Train: 283400 E Train: 332810 F Train: 332810	PM, NH3, HF
9.	De-dusting System Unit 2 &3	31 m	Scrubber	9-10	45-50	45000	PM
10.	De-dusting System Unit (3 nos.)	41 m	Scrubber	9-10	45-50	30000	PM
PROPOSED							
1.	DG Set (1x300 kVA)	4 m	Stack Height	-	-	-	PM, SO2, Nox
1.	**6 TPH (LP Steam Boiler as standby boiler)**	**30 m**					**PM, SO2, Nox**

20. Details of Solid Waste/ Hazardous Waste Generation and its Management:

Sr. No	Type of waste	Category	Generation (MTPA)			Disposal Method
			Existing	Proposed	Total after Expansion	
Hazardous Waste						
1	Used/spent oil	5.1	10	0	10	Reused in bagging machine for lubrication of slat conveyors or Collection, storage and selling out to registered re-cycler.
2	Chemical Sludge out of Zinc Sulphate	I-6.1	1650	0	1650	Collection, storage and selling out to registered re-cycler only.
3	Zinc Ash (Contain 75% in Container 1)	IV	14550	0	14550	Receiving storage and Recycling of ash as raw material in manufacturing of Zinc Sulphate Monohydrate
4	Plastic waste generated include paint buckets, chemical drums, HDPE/LDPE Tarpaulin, discarded BOPP bags etc.	33.1	185	0	185	Plastic waste is being disposed to recycler.
5	Discarded Barrels/ Containers/ Liners contaminated with hazardous chemicals / wastes	33.1	0	15000 No. of HDPE Drums	15000 No. of HDPE Drums	Collection, Storage, Decontamination and sale to authorized decontamination facility/ authorized recycler.
6	Bags contaminated with hazardous chemicals / wastes	33.1	0	150 MT/Year HDPE Bags	150 MT/Year HDPE Bags	Collection, Storage, and sale to authorized recycler
Non-Hazardous/Industrial						
7	Ash from coal Based boiler	-	3200	0	3200	Used as filler in the plant
8	Scrap metals	-	1200	0	1200	Sent to recycler

21. The Budget earmarked towards the **Environment Management Plan (EMP)** is 1552.55 Lakhs (capital) and the Recurring Cost (operation and maintenance) will be about 3359.13 lakhs per annum. Industry proposes to allocate Rs. 1 Crore towards Corporate Social Responsibility.

22. The PP reported that in latest Environmental Clearance vide File No. J-11011/202/2009-IA. II(I) dated 13.05.2009, it was instructed that "the company shall develop the green belt in 33% area, out of total area to mitigate the effect of fugitive emissions and noise as per the guidelines CPCB". The IFFCO plant is located beside the Kandla creek. High salinity and sea water ingression in the project area has been noticed due to its closeness to Kandla creek. Saltwater intrusion has occurred in coastal aquifers at some areas of the Kandla including IFFCO Plant area. The soil of the plant area is highly saline. Hence the greenbelt development in the project area is a very tough task. Because of the high saline soil greenbelt development is not easy and the tree species could not flourish in the plant site. However, after subsequent efforts, IFFCO Kandla developed 44864 m2 (4.45 ha) of green area in the existing premises. There are approx. 12210 no. of trees in the plant. Unable to enhance further green belt in the plant due to environmental limitations, IFFCO Kandla had then carried out mangrove plantation of 200 hectare in the nearest suitable stretch of Kachchh coast to comply environmental clearance for IKLL Jetty which is an integral part of IFFCO Kandla Complex. IFFCO had assigned GUIDE (Gujarat Institute of Desert Ecology) to carry out mangrove plantations on sites stretching out on Sat Saida Bet that is located nearby project site. The nearest mangrove plantation sites are located 3.75 km, N from the project site. **Hence, IFFCO had planted approx. 200 Ha. of mangrove plantation i.e., approximately 2.84 times of plot area (70.415364 Ha.) of IFFCO Kandla Complex.** Moreover**,** IFFCO has also developed the greenbelt on receptor-oriented approach as per CPCB greenbelt development guideline, March 2000 outside the plant premises to meet the required green belt due to adverse condition for greenbelt development within plant. Such as IFFCO has developed 30.35 ha (75 Acres) of green area in the IFFCO Udaynagar Township which is located approx. 10 kms (aerial) away from the project site where approx. 106986 no. of trees have been developed. Besides that, IFFCO has also developed 2.02 ha (5 Acres) green area in Gandhidham Town. Additionally, IFFCO has carried out green belt development in Pantiya village of Kutch District with approx. 11372 no. of trees in the village (96 Acres Area) under CORDET. In numerous efforts have been made for green belt development in other areas also. IFFCO being a conscientious organization regarding environment, the industry has still proposed for development of additional greenbelt admeasuring 1.10 Ha. area within the plant using Miyawaki Technique under which 33201 no. of trees will be planted. IFFCO has planned for a contribution of Rs. 1.952 Crores for the same.

23. The PP reported that the **Public Hearing** for the proposed project has been conducted by the State Pollution Control Board on 09.05.2023. The Main issues raised during the public hearing are related to Education, air pollution, CER activities and Public was in favor of proposed plant. Details of Public hearing are given below:

S.No.	Objections/Suggestions/ Questions raised by Participant	Comments made by Project Proponent	Action Plan
1.	Education	Yes, we will continue to do what madam said for help.	**IRDP/CER (EDUCATION):** IFFCO regularly contributes for education and related facilities in nearby areas under its IRDP Programme. In year 2021-22, IFFCO contributed approx. Rs. 5.14 Lakhs and In year 2022-23 Rs. 8.79 Lakhs for distribution of school tables, green boards, computers, furniture, benches etc. to nearby schools. In the next 3 years, the industry shall contribute Rs. 20 Lakhs for infrastructural/repair work in schools, construction of classrooms & toilets, community halls etc.
1.	**Air Pollution**	Whatever	**AIR POLLUTION:** Adequate

		development work is done from our side, we will do it further, Thank you.	APCM like Bag Filter, ESP, Scrubber Cyclone etc. has been installed to control air emissions from plant. The industry maintains emissions within permissible limits prescribed by GPCB. Under proposed expansion, the manufacturing process of nano-fertilizer plant is a closed loop reactor vessel setup with regulated control. Hence, nano-fertilizers plant will not contribute to air emissions. **CER (GREEN BELT):** Industry has done enormous green belt plantation outside the plant complex till date. In year 2020-21, IFFCO spent Rs. 23,600 in greenbelt development in Customs House, Kandla. Under proposed expansion, IFFCO will contribute Rs. 35 Lakhs in next 3 years. **CER (COVID RELIEF):** In year 2020-21, IFFCO spent approx. Rs. 10.02 Lakhs for food & ration supplies during COVID.
1.	Deputy collector Mr. Desai Sir and the Regional Officer of pollution department and everyone, as far as pollution is concerned, there is no pollution here, so there is no population here, so there is very little pollution. It should not be brought because first of all it is urea, why did we bring this Nano urea of IFFCO so that it does not harm the mother earth where 50 kg had to be put, then we get result even in half of kg. Even in agriculture, there are many chemicals, this company has replaced many biological Bacteria, where the mother land of India is now polluted and we are trapped, agriculture is also trapped and people are also trapped in eating. The efforts of this IFFCO organization to liberate they are commendable. and all kinds of biological bacteria are also found here with the farmers, if such co-operative organization will cooperate within this country, then the health of the people will also improve and at the same time your mother land will also alive. You will carefully check on such units. I will request the pollution board to do a thorough investigation on the units where there is more pollution and damage to the agriculture. I also request my journalist friends, this is our country, and our future generation also have to live on this mother land or country. Let us think that in coming days we should make efforts so that our generation does not suffer. Bharat Mata Ki Jai…	Thank You.	-
1.	CER activities	Thank You.	**CER (Health Care):** Under its IRDP, IFFCO has supplied 35 no.

			of medical oxygen cylinders to Arya Samaj, Gandhidham and Physiotherapy Unit to nearby hospital located in Gandhidham. There is one Government Hospital located nearby project at 1.96 km in SW direction. The industry shall contribute for improvement in infrastructural & transportation facilities in the government hospital for better access to affected people. Under proposed expansion, the industry shall contribute approx. Rs. 20 Lakhs in the next 3 years for healthcare facilities. Facilities for treatment of affected people within the Kandla Complex are covered within OHC & IFFCO Kandla Township Hospital.
1.	Namskar sir, my name is Navalal Budhwari. I live in the neighbouring village Mithapur. Which is right next to IFFCO. There is a school facility and everything is good, the road is so bad, that we leave there now, the condition of the car will be bad, the road is bad for a couple of kilometres, the second monsoon comes and even without monsoon, water enters the house. When the tides comes in the sea. There is a big tide on the 15th day, then the water comes in our house, there will be almost one or two houses left that water will not enter it. It is big problem that water comes even at 2.30 am and also during the day. We have presented in IFFCO and we have presented the construction of embankment and our presentation of the road is all that we have to say.	As per proposal presented by you industry will always do what we can do for your people and our surrounding villages. Thank you.	The industry shall contact local authorities for repairment of roads and drainage networks in surrounding areas of IFFCO Kandla Complex. IFFCO shall contribute approx. Rs. 10 Lakhs in next 3 years for such activities after taking consultation with local authorities.
1.	Sir, just introduced to you. It has already been presented that we have a sea hole which all the water is combining from the sea, that it cannot stay. So, sir help us. Our children do not have slippers on their feet when they leave the house. Why wear slippers if they are muddy? Sir.		
1.	Namskar, My name is Panchal Dharmendra Hareshbhai. I am a farmer. Village Chobari. This time I gave a coat of DAP as well as Nano DAP and the result is very good like DAP and the cost is reduced and the result is better. The reduction of chemicals in the soil has greatly benefited the farmer.	-	-
1.	Piyushbhai Vora, village Gandhidham. Sir, the hospital that I spoke to, the company gives a reply to this matter, if it will come and do such a good job, please reply to me. You must also realize that there are three railway crossings on the road and an ambulance comes from ten kilometres away. It takes me one to one and a half hours to reach home because of the railway crossing and you also know that it is very difficult for people to come and go if there is	Response by the project Proponent: Thank you for your request, which is within our scope. IFFCO is an organization, some of them own	**CER (Health Care):** Under its IRDP, IFFCO has supplied 35 no. of medical oxygen cylinders to Arya Samaj, Gandhidham and Physiotherapy Unit to nearby hospital located in Gandhidham. There is one Government Hospital located nearby project at

	an accident or someone gets seriously ill. The hospital is 10 KM away. There is no other hospital you will know all this. So, that's what I'm saying prepare whole map and a hospital should be built. This is my humble request.	activities, for the service of farmers we will need what can be done with the government. DPT is also here, so the authority under which it is, I think that if you request from them too, then it will be fine. Thank you. Thank you. As you must have seen that the government is building a very good flyover and bridge here, so whatever the problem is, we think, it will be removed very soon and the rest of what you are saying, IFFCO always ready to serve. Thank You.	1.96 km in SW direction. The industry shall contribute for improvement in infrastructural & transportation facilities in the government hospital for better access to affected people. Under proposed expansion, the industry shall contribute approx. Rs. 20 Lakhs in the next 3 years for healthcare facilities. Facilities for treatment of affected people within the Kandla Complex are covered within OHC & IFFCO Kandla Township Hospital.

24. The PP proposed to set up an **Environment Management Cell** (EMC) by engaging Unit head- HOD (Technical) – HOD Process Engineering- HOS (Laboratory) for the functioning of EMC.

25. The PP reported that considering a 10-year-old Greenbelt of 33201 trees and assuming the dia and tree height at the age of 10 years as per the standards, the total Carbon sequestered per year by the proposed greenbelt at its initial age will be 1192.14 tons per year.

26. The PP submitted the Disaster Management Plan and On-site and Off-site Emergency Plans in the EIA report.

27. The estimated cost for the proposed project is **Rs. 325 Crores**. Total Employment will be 2404 persons as direct after expansion**.**

28. Deliberations by the EAC:

The EAC constituted under the provisions of the EIA Notification, 2006 comprising expert members /domain experts in various fields, examined the proposal submitted by the PP in desired format along with the EIA/EMP reports prepared and submitted by the Consultant accredited by the QCI/ NABET on behalf of the PP.

The EAC noted that the PP has given an undertaking that the data and information given in the application and enclosures are true to the best of his knowledge and belief and no information has been suppressed in the EIA/EMP reports. If any part of data/information submitted is found to be false/ misleading at any stage, the project will be rejected and Environmental Clearance given, if any, will be revoked at the risk and cost of the PP.

The EAC noted that the EIA reports are in compliance with the ToR issued for the project, reflecting the present environmental status and the projected scenario for all the environmental components. The EAC deliberated on the proposed mitigation measures towards Air, Water, Noise and Soil pollutions. The EAC advised that the storage of toxic/explosive raw materials/products shall be undertaken with utmost precautions and following the safety norms and best practices.

The EAC deliberated on the Onsite and Offsite Emergency plans and various mitigation measures to be proposed during the implementation also of the project and advised the PP to implement the provisions of the Rules and guidelines issued under the Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989, as amended time to time, and the Chemical Accidents (Emergency Planning, Preparedness and Response) Rules, 1996.

The EAC deliberated on the proposal with due diligence in the process as notified under the provisions of the EIA Notification, 2006, as amended from time to time and accordingly made the recommendations to the proposal. The expert members of the EAC found the proposal in order and recommended for grant of environmental clearance.

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

29. The EAC, after detailed deliberations, **recommended the project for the grant of environmental clearance, subject to the compliance of the terms and conditions as under, and general terms and conditions** : -

Specific Conditions:

1. A separate Environmental Management Cell (having qualified persons with Environmental Science/Environmental Engineering/specialization in the project area) equipped with full-fledged laboratory facilities shall be set up to carry out the. PP shall engage Unit head- HOD (Technical) – HOD Process Engineering- HOS (Laboratory). In addition to this one safety & health officer as per the qualification given in Factories Act 1948 shall be engaged within a month of grant of EC. PP should annually submit the audited statement of amount spent towards the engagement of qualified persons in EMC along with details of person engaged to the Regional Office of MoEF&CC before 1st July of every year for the activities carried out during previous year.
2. The company shall comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, and risk mitigation measures relating to the project shall be implemented. The budget propose under EMP is 1552.55 Lakhs (Capital cost) and Rs. 3359.13 lakhs per annum (Recurring cost) shall be kept in separate account and should be audited annually. The PP should submit the annual audited statement along with proof of implementation of activities proposed under EMP duly supported by photographs (before & after with geo-location date & time) and other document as applicable to the Regional Office of MoEF&CC before 1st July of every year for the activities carried out during previous year.
3. As proposed Low Sulfur Furnace Oil/ coal shall be used as a primary fuel. The phasing out of coal may be explored.
4. The PP reported that the existing freshwater requirement of the plant is 1132.5 KLD (Industrial- 902.5 KLD; Domestic- 230 KLD) being sourced from Gujarat Water Supply & Sewerage Board (GWSSB). **The freshwater requirement of the project after expansion will be 1522.5 KLD (Industrial: 1281.5 KLD; Domestic: 241 KLD).** The PP shall ensure that water supply should not be above the permissible limit and fresh water shall be withdrawn only after obtaining requisite permission from Concerned Authority. The PP should submit the details of utilization to the Integrated Regional Office (IRO), MoEF&CC before 1st July of every year for the activities carried out during the previous year.
5. Under existing phase, Industrial wastewater along with effluent generated from the plant (124 KLD) is being collected in the Central Sump of NPK/DAP Plant from where it is completely recycled/consumed in the scrubber process of NPK/DAP plant because NPK/DAP plant is negative water balance plant. Hence, the plant is Zero liquid effluent discharge (ZLD) based plant. Domestic Sewage (200 KLD) is treated in Sewage Treatment Plant and the treated effluent is being used for horticultural purposes in the plant. Under proposed Nano-DAP fertilizer plant, wastewater generation from plant will be 35 KLD (Process & Washing- 2 KLD; Cooling Tower Blow Down- 24 KLD & Domestic Sewage- 9 KLD). Process effluent and cooling tower blow down will be discharged to Effluent Collection Pit that will

be scrubbed in NPK-II Plant. Domestic sewage will be treated in proposed Sewage Treatment Plant (Capacity-10 KLD). Treated water will be reused for horticultural purposes. **Total wastewater generation after expansion will be 359 KLD (Industrial Effluent: 150 KLD; Domestic Sewage: 209 KLD). Industrial Effluent will be Collected in Effluent Collection Pit from where it shall be recycled to scrubber area of NPK-II plant. Domestic sewage will be treated in STP's (Existing- 250 KLD & Proposed-10 KLD). STP treated water will be reused within the plant for horticultural purposes.**

6. No banned chemicals shall be manufactured by the project proponent. No banned raw materials shall be used in the unit. The project proponent shall adhere to the notifications/guidelines of the Government in this regard.
7. The project proponent shall comply with the environment norms for Chemical Fertilizer Industry as notified by the Ministry of Environment, Forest and Climate Change, vide GSR 1607 (E), dated 29.12.2017 under the provisions of the Environment (Protection) Rules, 1986.
8. The project proponent shall utilize modern technologies for capturing of carbon emitted and shall also develop carbon sink/carbon sequestration resources capable of capturing more than emitted. The implementation report shall be submitted to the IRO, MoEF&CC in this regard.
9. All necessary precautions shall be taken to avoid accidents and action plan shall be implemented for avoiding accidents. The project proponent shall implement the onsite/offsite emergency plan/mock drill etc. and mitigation measures as prescribed under the rules and guidelines issued in the Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989, as amended time to time, and the Chemical Accidents (Emergency Planning, Preparedness and Response) Rules, 1996.
10. The volatile organic compounds (VOCs)/Fugitive emissions shall be controlled at 99.97 % with effective chillers/modern technology. Regular monitoring of VOCs shall be carried out.
11. The storage of toxic/hazardous raw material shall be bare minimum with respect to quantity and inventory. Quantity and days of storage shall be submitted to the Regional Office of Ministry and SPCB along with the compliance report.
12. The occupational health centre for surveillance of the worker's health shall be set up. The health data shall be used in deploying the duties of the workers. All workers & employees shall be provided with required safety kits/mask for personal protection.
13. Training shall be imparted to all employees on safety and health aspects for handling chemicals. Safety and visual reality training shall be provided to employees. Action plan for mitigation measures shall be properly implemented based on the safety and risk assessment studies.
14. The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Fire-fighting system shall be as per the norms.
15. The solvent management shall be carried out as follows: (a) Reactor shall be connected to chilled brine condenser system. (b) Reactor and solvent handling pump shall have mechanical seals to prevent leakages. (c) Solvents shall be stored in a separate space specified with all safety measures. (d) Proper earthing shall be provided in all the electrical equipment wherever solvent handling is done. (e) Entire plant shall be flameproof. The solvent storage tanks shall be provided with breather valve to prevent losses. (f) All the solvent storage tanks shall be provided with vent condensers with chilled brine circulation.
16. The PP shall undertake waste minimization measures as below (a) Metering and control of quantities of active ingredients to minimize waste; (b) Reuse of by-products from the process as raw materials or as raw material substitutes in other processes. (c) Use of automated filling to minimize spillage. (d) Use of Close Feed system into batch reactors. (e) Venting equipment through vapor recovery system. (f) Use of high pressure-hoses for equipment cleaning to reduce wastewater generation.
17. The activities and the action plan proposed by the project proponent to address the issues raised during the public hearing as well as the related socio-economic issues in the study area shall be completed as per the schedule presented before the Committee and as described in the EIA report in letter and spirit.

General Conditions:

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

2. The Project proponent shall strictly comply with the rules and guidelines issued under the Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989, as amended time to time, the Chemical Accidents (Emergency Planning, Preparedness and Response) Rules, 1996, and Hazardous and Other Wastes (Management and Trans-Boundary Movement) Rules, 2016 and other rules notified under various Acts.
3. The energy source for lighting purpose shall be preferably LED based, or advanced having preference in energy conservation and environment betterment.
4. The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under the Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).
5. The company shall undertake all relevant measures for improving the socio-economic conditions of the surrounding area. The activities shall be undertaken by involving local villages and administration. The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.
6. The company shall earmark sufficient funds towards capital cost and recurring cost per annum to implement the conditions stipulated by the Ministry of Environment, Forest and Climate Change as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so earmarked for environment management/ pollution control measures shall not be diverted for any other purpose.
7. A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, Zilla Parishad/Municipal Corporation, Urban local Body and the local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal.
8. The project proponent shall also upload/submit six monthly reports on PARIVESH Portal on the status of compliance of the stipulated Environmental Clearance conditions including results of monitored data to the respective Integrated Regional Office of MoEF&CC, the respective Zonal Office of CPCB and SPCB. A copy of Environmental Clearance and six-monthly compliance status report shall be posted on the website of the company.
9. The environmental statement for each financial year ending 31st March in Form-V as is mandated shall be submitted to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the respective Integrated Regional Office of MoEF&CC by e-mail.
10. The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB/Committee and may also be seen at Website of the Ministry and at https://parivesh.nic.in/. This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the concerned Regional Office of the Ministry.
11. The project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.
12. This Environmental clearance is granted subject to final outcome of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, if any, as may be applicable to this project.

30. Based on the recommendations made by EAC (Industry-3) in its EAC meetings dated 26th Sept 2023, 4-5 Dec 2023 and 16-17 Jan 2024, Ministry of Environment, Forest and Climate Change hereby accords Environmental Clearance to the project to set up "**Proposed addition of Nano-Fertilizer (Nano DAP) in existing Fertilizer unit with production capacity of 36500 kL per year located at Kandla Unit at P.O. Box No. 12, Kandla, District-Kutch, Gujarat by M/s Indian Farmers Fertiliser Cooperative Limited (IFFCO)"** under the provisions of the EIA Notification, 2006, and the amendments therein, subject to compliance of the Specific and General terms and conditions as mentioned at Annexure-1. The Ministry reserves the right to stipulate additional conditions, if found necessary at subsequent stages and the project proponent shall implement all the said conditions in a time bound manner. The Ministry may revoke or suspend the environmental clearance, if implementation of any of the above conditions is not found satisfactory.

31. The project proponent shall prominently advertise it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days indicating that the project has been accorded environment clearance and the details of MoEF&CC/SEIAA website where it is displayed.

32. 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.

33. The project proponent shall have a well laid down environmental policy duly approved by the Board of Directors (in case of Company) or competent authority, duly prescribing standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest / wildlife norms / conditions.

34. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the project proponent (during construction phase) and authorized entity mandated with compliance of conditions (during operational phase) shall be prepared. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Six monthly progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six-Monthly Compliance Report.

35. 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.

36. 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.

37. 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.

38. The above conditions will be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, the Hazardous Waste (Management, Handling and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 read with subsequent amendments therein

This issues with the approval of the Competent Authority.

Copy To

1. The Principal Secretary, Forests & Environment Department, Government of Gujarat, Sachivalaya, 8th Floor, Gandhi Nagar - 382 010 (Gujarat)
2. The Deputy Director General of Forests (C) Ministry of Env., Forest and Climate Change, Integrated Regional Office, Gandhi Nagar, A-Wing – 407 & 409, Aranya Bhawan, Near CH-3 Circle, Sector-10A, Gandhi Nagar - 382010
3. The Chairman, Central Pollution Control Board Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, Delhi -32
4. The Member Secretary, Gujarat Pollution Control Board, Paryavaran Bhawan, Sector 10 A, Gandhi Nagar-382 043 (Gujarat)
5. The Member Secretary, Central Ground Water Authority, Jamnagar House, 18/11, Man Singh Road Area, New Delhi, Delhi 110001
6. The District Collector, District Kutch, Gujarat.
7. Guard File/Monitoring File/PARIVESH

Annexure 1

Additional EC Conditions

N/A

GPCB

GUJARAT POLLUTION CONTROL BOARD

PARYAVARAN BHAVAN, SECTOR 10-A,
GANDHINAGAR - 382010,
(T) 079-23232152

By R.P.A.D ANNEXURE-II

In exercise of the power conferred under section-25 of the Water (Prevention and Control of Pollution) Act-1974, under section-21 of the Air (Prevention and Control of Pollution)-1981 and Authorization under rule 6(2) of the Hazardous and Other Waste (Management and Transboundary) Rules, 2016 framed under the Environmental (Protection) Act-1986.

And whereas Board has received consolidated consent application **inward No. 286523** dated **06/09/2023** for the **Renewal of Consolidated Consent and Authorization (CC&A)** of this Board under the provisions / rules of the aforesaid Acts. Consents &Authorization are hereby granted as under:

CONSENTS AND AUTHORISATION:
(Under the provisions /rules of the aforesaid environmental acts)

To,
M/s. IFFCO Ltd. (ID-17878),
Old Kandla, Kandla unit,
Tal: Gandhidham,
Dist: Kutch - 370 210.

1. **Consent Order No. AWH-133047 Date of issue: 14/03/2024.**
2. The consents shall be **valid upto 20/10/2028** for the use of outlet for the discharge of trade effluent and emission due to operation of industrial plant for manufacturing of the following items/ products:

SR. NO.	PRODUCT	TOTAL CAPACITY
1.	NPK: 10: 26: 26:	Fortified 0.5% Zn in NPK/ DAP of total capacity of 10 Lac MT of P2O5
2.	NPK: 12: 32: 16:	
3.	DAP: 18: 46	
4.	MAP: 11: 52	
5.	Urea phosphate: 17: 44	Total 15,000 MT (by mixing of solid raw material in rotary mixers only)
6.	NPK: 13: 19: 19	
7.	NPK: 12: 30: 15	
8.	NPK: 12: 32: 14	
9.	NPK: 18: 18: 18:	
10.	Zinc Sulphate Mono Hydrate	3000 MT of bulk capacity

Subject to specific condition:

1. Industry shall comply with all conditions of Environment Clearance issued by MoEF & CC, New Delhi vide order no. J-11011/202/2009-IA II (I) dated 13/05/2009.
2. Industry shall utilize fresh H2SO4 for the manufacturing of the zinc sulphate.
3. Industry shall submit Hazardous Waste annual return regularly.
4. Industry shall adopt & regularly use the online manifest system for procurement & disposal of Hazardous Waste.

5. There shall not be only mixing of raw material only there shall not be any specific chemicals reaction as well as no generation of gaseous emission & not any fuel is consumed for addition products.
6. Industry shall comply with CPCB guidelines for environmentally sound recycline of Hazardous Waste, 2010.
7. Industry shall not withdrawal ground water without prior NOC of CGWA as per order of Hon. National Green Tribunal.
8. Unit shall obtain fresh water from valid source have permission of the complete authority.
9. Industry shall strictly comply with the coal handling guideline of the Board.
10. Industry shall provide dedicated storage silo for storage of fly ash & ash shall be dispose off as per fly ash notification 1999 & as amended from time to time.
11. Industry shall dispose of fly ash as per CPCB guideline dated 28/08/2019 maintain complete records of fly ash generation and its disposal.
12. Industry shall take adequate measures to control fugitive emission due to storage, handling & transportation of coal, fly ash & solid waste etc.
13. Industry shall manage Solid Wastes generated from industrial activities as per Solid Waste Management Rules-2016 (solid waste as defined in Rule-3(46)).
14. As per Provisions of Rule 18 of Solid Waste Management Rules-2016 you are directed to make an arrangement in Utilities to replace at least five percent (5%) of your solid fuel requirement by 'refused derived fuel'.
15. Industry shall renew Public Liability Insurance Policy time to time & submit a copy of the same to this office.
16. Industry shall comply with PESO permission issued by competent authority and renew PESO permission time to time & submit a copy of the same to this office.
17. Industry shall comply with Manufacturing, Storage and Import of Hazardous Chemicals Rules – 1989 framed under the Environment (Protection) Act-1989 including site notification of competent authority for isolated storage & submit acknowledge copy of onsite emergency plan & third party safety audit report time to time.
18. Industry shall obtain registration with approved EPR action plan as per Plastic Waste Management Rules-2016 & comply with following conditions:
    a. Industry shall submit a copy of EPR action plan approved by competent authority along with EPR liability for state of Gujarat.
    b. Submit plan for compliance of the same with complete details regarding collection centers, mode of conveyance & disposal through registered recyclers/ re processors/ co processors.
    c. Submit quarterly compliance report against EPR liability for Gujarat regularly clearly indicating plastic waste collection centers, mode of transportation and disposal through recycler/ re-processor/ co-processor with all supporting documents.
    d. Comply with manifest system introduced by this Board. (Available on GPCB website) for the movement of plastic waste within and from State of Gujarat & submit copies of the same with quarterly compliance report.

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e. Purchase plastic raw material only from manufactures industry having valid registration under plastic rules, maintain its record and submit its report with quarterly compliance.

f. Maintain complete record about post-consumer waste and in-plant, plastic waste with clearly indicating quantity generated along with acknowledge of re-processor/ recycler about quantity.

3. CONDITIONS UNDER THE WATER ACT:

3.1 Source of Water: -GWSSB.

3.2 The quantity of the fresh water consumption for industrial purpose shall not exceed 902.5 KL/Day.

3.3 The quantity of the fresh water consumption for domestic purpose shall not exceed 230 KL/Day.

3.4 The quantity of the industrial effluent to be generated from the manufacturing process and other ancillary industrial operations shall not exceed 124 KL/Day.

3.5 The quantity of domestic waste water shall not exceed 200 KL/Day.

3.6 There shall be no industrial effluent discharge from unit, as entire Mother liquor solution shall be recycled or consumed in the main NPK/DAP process plant. Unit shall strict to zero liquid discharge & there shall not be any industrial waste water discharge within or outside premises in any case.

3.7 Industry shall provide fixed pipeline with flow meter for the reuse of effluent and maintain its record.

3.8 Sewage shall be treated separately to conform to the following standards as per Hon.ble NGT order in the matter of OA No.1069/2018 dated 30/04/2019

PARAMETERS	GPCB NORMS
pH	5.5-9.0
Biochemical Oxygen Demand (BOD)	10 mg/L
Total suspended solids (TSS)	20 mg/L
Chemical Oxygen Demand (COD)	50 mg/L
Nitrogen –Total	10 mg/L
Phosphorous-Total (for discharge into Ponds, Lakes)	1.0 mg/L
Fecal Coliform	Desirable-100 MPN/100ml Permissible -230 MPN/100 ml

3.9 Treated domestic effluent conforming to above standard shall be discharged on land for gardening and plantation purpose within premises only. In no case waste water shall be discharged outside premises.

3.10 Industry shall provide fixed pipeline network with flow meter for even distribution of treated domestic effluent and maintain its record.

3.11 Disposal system for storm water shall be provided separately. In no case storm water & sewage from port facility shall not be discharge into surface water.

4. Conditions under the Air Act-1981:

4.1. The following shall be used as a fuel in Boilers & Hag respectively:

Sr. No.	Name of Fuel	Quantity
1	Coal	12.96 MT/Hr

4.2. The applicant shall install & operate air pollution control system efficiently in order to achieve prescribed norms.

4.3. The flue gas emission through stack attached to Boilers & Hot Air Generators shall conform to the following standards;

Stack No	Stack attached to	Stack height	APCM	Parameter	Permissible limit
1.	Boiler (Coal/ LSHS based) (16 TPH, stand by)	51 m common stack	ESP	PM SO_2 NO_x	150 mg/NM^3 100 ppm 50 ppm
2.	Boiler (Coal based) (14 TPH)				
3.	Indirect coal fired Hot air generators (2 nos. for zinc sulphate plant)	41 m common stack	ESP for each stack		

4.4. The process gas emission through stack attached to HAG, du dusting units, reaction vessels & spray dryers shall conform to the following standards.

Sr.No	Stack attached to	Stack height	APCM	Parameter	Permissible limit
1.	Hot Air Generator (6 nos., direct coal fired) at NPK/DAP units) (A,B,C, D, E & F trains)	41 m of each stacks each drain	Cyclone with wet scrubber	PM NH_3 F	150 mg/NM^3 175 mg/NM^3 10 mg/NM^3
2.	De dusting unit 2 & 3	31 m	scrubber	PM	150 mg/NM^3
3.	Reaction Vessel-zinc sulphate plant	23 m	scrubber	Acid mist	50 mg/NM^3
4.	Spray Dryer-1	30 m	Quadruple cyclone + scrubber	PM	150 mg/NM^3
5.	Spray Dryer-2	30 m	Quadruple cyclone + scrubber	PM	150 mg/NM^3
6.	De-dusting system unit (3 nos.)	41 m each	wet scrubber	PM	150 mg/NM^3

4.5. The concentration of the following parameters in the ambient air within the premises of the industry shall not exceed the limits specified hereunder as per National Ambient Air Quality Standards issued by MoEF & CC dated 18th November-2009.In addition to following parameters Industry shall also carry out

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AAQ monitoring of all other applicable parameter as per MoEF notification dated 18/11/2009 and submit the report to the Board.

Sr. No.	Pollutant	Time Weighted Average	Concentration in Ambient air in µg/M^3
1.	Sulphur Dioxide (SO_2)	Annual 24 Hours	50 80
2.	Nitrogen Dioxide (NO_2)	Annual 24 Hours	40 80
3.	Particulate Matter (Size less than 10 µm) or PM_{10}	Annual 24 Hours	60 100
4.	Particulate Matter (Size less than 2.5 µm) or $PM_{2.5}$	Annual 24 Hours	40 60

4.6. The applicant shall provide portholes, ladder, platform etc at chimney(s) for monitoring the air emissions and the same shall be open for inspection to/and for use of Board's staff. The chimney(s) vents attached to various sources of emission shall be designed by numbers such as S-1, S-2, etc. and these shall be painted/displayed to facilitate identification.

4.7. The industry shall take adequate measures for control of noise levels from its own sources within the premises so as to maintain ambient air quality standards in respect of noise to less than 75dB(A) during day time and70 dB (A) during night time. Daytime is reckoned in between 6a.m. and10 p.m. and nighttime is reckoned between 10 p.m. and 6 a.m.

4.8. **D.G. Sets Conditions**

The D.G. Set shall have acoustic enclosure and shall comply with the standards specified at Sr. no. 95 of Schedule-I of the rule-3 of E.P. Rules -1986 and Noise pollution level as per the Air Act-1981.

D.G. Sets standards:-

The flue gas emission through stack attached to D.G. Sets shall conform to the following standards.

a) The minimum height of stack to be provided with each of the generator set shall be H=h + 0.2 (KVA) 1/2, where H= Total stack height in meter, h= height of the building in meters where or by the side of which the generator set is installed.

b) Noise from DG set shall be controlled by providing an acoustic enclosure or by treating the room acoustically, at the users end.

c) The acoustic enclosure or acoustic treatment of the room shall be designed for minimum 25 dB (A) insertion loss or for meeting the ambient noise standards, whichever is on the higher side (if the actual ambient noise is on the higher side, it may not be possible to check the performance of the acoustic enclosure/ acoustic treatment. Such circumstances the performance may be checked for noise reduction up to actual ambient noise level, preferably, in the night time). The measurement for insertion loss may be done at different points at 0.5 m from the acoustic enclosure/room, and the averaged.

d) The D.G. Set shall be provided with proper exhaust muffler with insertion loss of minimum 25 dB (A).
e) All efforts shall be made to bring down the noise level due to the D.G. Set, outside the premises, within the ambient noise requirements by proper siting and control measures.
f) Installation of a D.G. Sets must be strictly in compliance with the recommendations of the D.G. Set manufacturer.
g) A proper routine and preventive maintenance procedure for the D.G. Set should be set and followed in consultation with the DG Set manufacture which would help prevent noise levels of the DG Set from deteriorating with use.

5. AUTHORIZATION as per HAZARDOUS AND OTHER WASTE (MANAGEMENT AND TRANSBOUNDARY) RULES, 2016 Form-2 [See rule 6 (2)]

Form for grant of authorization for occupier or operator handling Hazardous waste

5.1 Authorization order no:-**AWH-113047** Date of issue: 14/03/2024.

5.2 **M/s. IFFCO Ltd**, is hereby granted an authorization based on the enclosed signed inspection report for generation, collection, treatment, storage, transport of hazardous waste on the premises situated at old Kandla, Kandla unit, Tal: Gandhidham, Dist: Kutch.

Sr. No.	Waste	Quantity per Annum	Schedule/ Category	Facility
1.	Used Oil	10 MT	I-5.1	Collection, storage, Transportation, Disposal by selling out to registered recyclers.
2.	Chemical Sludge Out of zinc sulphate	1650 MT	I-6.1	Collection, storage, Transportation, Disposal by selling out to registered recyclers.
3.	Zinc Ash/ Skimming/ other zinc bearing waste arising from smelting & refining & zinc ash & residue including zinc alloys residues in dispersible form	9900 MT	IV	Procurement, Collection, storage, Transportation and Recycling of zinc ash as a raw material in manufacturing of zinc monohydrate.

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5.3 The authorization shall be valid up to **20/10/2028.**

5.4 The authorization is subject to the conditions stated below and such other conditions as may be specified in the rules from time to time under the Environment (Protection) Act-1986.

5.5 The authorization is granted to operate a facility for collection, storage within factory premises transportation and ultimate disposal of Hazardous wastes as per condition no 5.2 to the industry having valid CCA of this Board.

5.6 **TERMS AND CONDITIONS OF AUTHORISATION**

1. The applicant shall comply with the provisions of the Environment (Protection) Act-1986 and the rules made there under.
2. The authorization or its renewal shall be produced for inspection at the request of an officer authorized by the Gujarat Pollution Control Board.
3. The persons authorized shall not rent, lend, sell, and transfer or otherwise transport the hazardous wastes without obtaining prior permission of the Gujarat Pollution Control Board.
4. Any unauthorized change in personnel, equipment or working conditions as mentioned in the authorization order by the persons authorized shall constitute a beach of this authorization.
5. The person authorized shall implement Emergency Response Procedure (ERP) for which this authorization is being granted considering all site specific possible scenarios such as spillages, leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at regular interval of time;
6. The person authorized shall comply with the provisions outlined in the Central Pollution Control Board guidelines on "Implementing Liabilities for Environmental Damages due to Handling and Disposal of Hazardous Wastes and Penalty"
7. It is the duty of the authorized person to take prior permission of the Gujarat Pollution Control Board to close down the facility.
8. An application for the renewal of an authorization shall be made as laid down in rules 6(2) under Hazardous and Other Waste Rules, 2016.
9. The imported hazardous and other wastes shall be fully insured for transit as well as for any accidental occurrence and its clean-up operation.
10. The record of consumption and fate of the imported hazardous and other wastes shall be maintained.
11. The hazardous and other wastes which gets generated during recycling or reuse or recovery or pre-processing or utilization of imported hazardous or other wastes shall be treated and disposed of as per specific conditions of authorization.
12. The importer or exporter shall bear the cost of import or export and mitigation of damages if any.
13. Any other conditions for compliance as per the Guidelines issued by the Ministry of Environment, Forest and Climate Change or Central Pollution Control Board from time to time.
14. The waste generator shall be totally responsible for (i.e. collection, storage, transportation and ultimate disposal) the wastes generated.
15. Records of waste generation, its management and annual return shall be submitted to Gujarat Pollution Control Board in Form-4 by 30th day of June of every year for the preceding period April to March.

16. In case of any accident, details of the same shall be submitted on Form-11 to Gujarat Pollution Control Board.
17. As per "Public Liability Insurance Act-91" company shall get Insurance Policy, if applicable.
18. Empty drums and containers of toxic and hazard material shall be treated as per guideline published for "Management & Handling of discarded containers". Records of the same shall be maintained and forwarded to Gujarat Pollution Control Board regularly.
19. In case of transport of hazardous wastes to a facility for (i.e. treatment, storage and disposal) existing in a State other than the State where hazardous wastes are generated, the occupier shall obtain 'No Objection Certificate' from the State Pollution Control Board or Committee of the concerned State of Union Territory Administration where the facility exists.
20. Unit shall take all concrete measures to show tangible results in waste generation, reduction, avoidance, reuse and recycle. Actions taken in this regard shall be submitted within three months and also along with Form-4.
21. Industry shall have to display the relevant information with regards to hazardous waste as indicated in the Hon. Supreme Court's Order in W.P. No.657 of 1995 dated 14th October, 2003.
22. Industry shall have to display on-line data outside the main factory gate with regard to quantity and nature of hazardous chemicals being handled in the plant, including wastewater and air emissions and solid hazardous wastes generated within the factory premises.

6. **SPECIFIC CONDITIONS:-**
   - 6.1 The authorized actual user of hazardous and other wastes shall maintain records of hazardous and other wastes purchased in a passbook issued by the State Pollution Control Board along with the authorization.
   - 6.2 Handling over of the hazardous and other wastes to the authorized actual user shall be only after making the entry in the passbook of the actual user.
   - 6.3 In case of renewal of authorization, a self-certified compliance report in respect of effluent, emission standards and the conditions specified in the authorization for hazardous and other wastes shall be submitted to SPCB.
   - 6.4 The occupier of the facility shall comply Standard operating procedure/guidelines published by MOEF&CC or CPCB or GPCB from time to time.
   - 6.5 Unit shall comply provisions of E-Waste Management Rules-2016.
   - 6.6 The disposal of Hazardous Waste shall be carried out as per the waste Management hierarchy.
   - 6.7 The occupiers of facilities shall not store the hazardous and other wastes for a period not exceeding **ninety days**. Prior permission of the Board shall be obtained for extension of the storage period.
   - 6.8 The occupier shall maintain the records of generation, sale, storage, transport, recycling, co processing and disposal of hazardous waste and make available during the inspection.
   - 6.9 The transportation of the hazardous waste shall be carried out in GPS mounted dedicated vehicles.

7. **GENERAL CONDITIONS: -**
   - 7.1 Any change in personnel, equipment or working conditions as mentioned in the consents form/order should immediately be intimated to this Board.

GUJARAT POLLUTION CONTROL BOARD
PARYAVARAN BHAVAN, SECTOR 10-A,
GANDHINAGAR - 382010,
(T) 079-23232152

7.2 Applicant shall also comply with the general conditions given in annexure I.

7.3 Whenever due to accident or other unforeseen act or ever, such emissions occur or is apprehended to occur in excess of standards laid down such information shall be forthwith reported to Board, concerned Police Station Office of Directorate of Health Service, Department of Explosives, Inspectorate of Factories and local body.

7.4 In case of failure of pollution control equipments, the production process connected to it shall be stopped. Remedial actions/measures shall be implemented immediately to bring entire situation normal.

7.5 The Environmental Management Unit/Cell shall be setup to ensure implementation on and monitoring of environmental safeguards and other conditions stipulated by statutory authorities. The Environmental Management Cell/Unit shall directly report to the Chief Executive of the organization and shall work as a focal point for internalizing environmental issues. These cells/units also coordinate the exercise of environmental audit and preparation of environmental statements.

7.6 The Environmental audit shall be carried out yearly and the environmental statements pertaining to the previous year shall be submitting to this State Board latest by 30th September every year.

7.7 The Board reserves the right to review and/or revoke the consent and/or make variations in the conditions, which the Board deems, fit in accordance with Section 27 of the Act.

7.8 In case of change of ownership/management the name and address of the new owners/ partners/directors/proprietor should immediately be intimated to the Board.

7.9 Industry shall have to display the relevant information with regard to hazardous waste as indicated in the Hon. Supreme order in w. p. no. 657 of 1995 dated 14th October 2003.

For and on behalf of
GUJARAT POLLUTION CONTROL BOARD

(T.C. Patel)
Unit Head

NO: PC/CCA-Kutch-84(20)/ GPCB ID-17878/ 797813 **Date:-** 2/4/24

Issued to:
M/s. IFFCO Ltd. (ID-17878),
Old Kandla, Kandla unit,
Tal: Gandhidham, Dist: Kutch - 370 210.

Annexure-III

इफको
कांडला इकाई

knd_proc/kandla/iffco
12/18/2010 09:35 AM

To
cc
bcc
Subject

Padam <pb.rastogi@nic.in>
12/16/2010 02:39 PM

To imurugappan@iffco.nic.in
cc nkverma@iffco.nic.in
Subject Manufacture of Zinc Sulphate (Monohydrate 33% Zinc, 30,000 MTPY) at Kandla, Kutchch District, Gujarat by M/s Indian Farmers Fertilizer Cooperative Limited (IFFCO) - reg.

F. No. J-11011/359/2010-IA II (I)
Government of India
Ministry of Environment and Forests
(I.A. Division)

Paryavaran Bhawan
CGO Complex, Lodhi Road
New Delhi – 110 003

E-mail : pb.rastogi@nic.in
Telefax : 011: 2436 7668
Dated 16th December, 2010

To

Shri L. Murugappan
Executive Director
M/s Indian Farmers Fertilizer Cooperative Limited (IFFCO)
District Kuutchh - 370201, Gujarat.

E-mail: imurugappan@iffco.nic.in; nkverma@iffco.nic.in;
Fax No.: 02836-270 642.

Subject: Manufacture of Zinc Sulphate (Monohydrate 33% Zinc, 30,000 MTPY) at Kandla, Kutchch District, Gujarat by M/s Indian Farmers Fertilizer Cooperative Limited (IFFCO) - reg.

Ref. : Your letter no. nil dated 15th July, 2010 and 18th November, 2010.

Sir

Kindly refer to Ministry's letter of even no. nil dated 15th July, 2010 wherein you have submitted a proposal for the Manufacture of Zinc Sulphate

इफको
कांडला इकाई

(Monohydrate 33% Zinc, 30,000 MTPY) at Kandla, Kutchch District, Gujarat.

2.0 The proposal was considered and discussed in the *15th Meeting of the Expert Appraisal Committee (Industry-2) held on 22nd–23rd October, 2010*. During deliberations, the Committee noted that proposal is for manufacturing of Zinc Sulphate (Monohydrate 33% Zinc, 30,000 MTPY) only, which is an inorganic chemical.

2.0 The matter was further examined in the Ministry. Since inorganic chemicals are not covered in the EIA Notification, 2006, the proposal is outside the purview of the environmental clearance under the EIA Notification, 2006. However, you are requested to kindly obtain requisite statutory clearances from the State Government and Gujarat State Pollution Control Board as deemed fit.

In view of the above, your ***file for the above mentioned proposal is closed and delisted from the Ministry's website*** .

(Dr. P. B. Rastogi)
Director

Copy to :

1. The Secretary, Department of Environment and Forests, Govt. of Gujarat, Gandhi Nagar, Gujarat.
2. The Chairman Gujarat Pollution Control Board, Paryavaran Bhawan, Sector 10-A, Gandhi Nagar – 382 010, Gujarat

(Dr. P. B Rastogi)
Director

Annexure-III

Minutes approved by the Chairman on 9th November, 2010

MINUTES FOR THE 15th MEETING OF THE EXPERT APPRAISAL COMMITTEE (INDUSTRY-2) HELD DURING 22nd /23rd OCTOBER, 2010

15.4.1 Manufacture of Zinc Sulphate (Monohydrate 33% Zinc, 30,000 MTPY) at Kandla, Kutch District, Gujarat by M/s Indian Farmers Fertilizer Cooperative Limited (IFFCO) (TORs)

The project authorities and their consultant gave a detailed presentation on the salient features of the project and proposed environmental protection measures to be undertaken. All the Fertilizer plants are listed at S.N. 5(a) under Category (A) and appraised at the Central level.

M/s Indian Farmers Fertilizer Cooperative Limited (IFFCO) have proposed for the Manufacture of Zinc Sulphate (Monohydrate 33% Zinc, 30,000 MTPY) at Kandla, Kutch District, Gujarat. Zinc Sulphate manufactured will be used as a micronutrient in soil. Fertilizer plant to manufacture bulk fertilizer (30 Lakh MTPM) is existing and environment clearance has been accorded for the expansion of fertilizer plants (5.19 to 10.0 Lakh TPA, P_2O5) vide letter no.J-11011/192/197-IA(II)-I dated 6.8.07. Compliance report is submitted. Consolidated Consented Authorization (CCA) for the existing plant has been accorded by the GPCB vide letter dated 8th November, 2008. Presently DAP and NPK fertilizers are manufactured. Kandla falls under seismic Zone V and necessary precaution will be taken during natural calamities. No protected areas, wildlife sanctuary, national parks are located within 15 km of the project site. The Great Rann of Kutch Bird Sanctuary for Flamingo is at 70 km. Military bases are located within 15 km radius. Total project area will be 3,000-3,500 sq. m. out of total 174 acres. Total cost of the project is Rs. 1600.00 Lakhs.

Zinc ash (65-75%, 14,500 MT) and Sulphuric Acid (16,500 MT) will be used as raw materials, which are hazardous chemicals.

Sulphuric Acid (98% cons.) will be fed into reaction vessel through pipeline from the Sulphuric Acid Storage tank and the Zn ash will be added to the reaction vessel. An agitator will be provided to agitate the Zn ash with Sulphuric acid to produce Zinc Sulphate Monohydrate. Vent and wet scrubber will absorb the H_2 gas liberated during the reaction. The slurry from the reactor will be fed to the filter press and filtrate will be pumped to the spray dryer for drying. The solid residue i.e. mud or spent wash will be

washed in mud washers. The weak liquid will be sent to reactors and mud for disposal. The product i.e. Zinc sulphate monohydrate will be sent for weighing and bagging.

Ambient air data for the period 2005-10 indicates that SPM (161-299 micro gm/m^3), SO_2 (7-12 micro gm/m^3), NOx (13-17micro gm/m^3), NH_3 (202-322 micro gm/m^3) and RSPM (100-120 micro gm/m^3) and are within GPCB limits. Scrubber will be provided to scrub fumes from the reaction vessel. No air emissions will be generated from the proposed plant. Solid escaping from dryer will be recorded by using cyclone separator where the fines will be collected and taken for bagging.

Total water requirement from existing water supply Gujarat Water Supply and Sewerage Board (GWSSB) will be 150 m^3/day. The effluent will be generated from the filter press and washing. The liquid effluent generated during scrubbing of H_2 gas, liquor generated during washing and cleaning etc. will be collected and reused in the system for the production of $ZnSO_4$. Thus, no effluent will be generated form the plant. Service water will be passed through oil separator to remove oil content in the effluent. Domestic Sewage will be treated in existing sewage treatment plant (STP). No effluent will be discharged outside the premises and Zero discharge will be adopted.

Spent ash (0.055 MT/MT of product) having Zinc (3-4%) Lead 5-7%) Iron (1-1.5%), Aluminium (1-1.5%) and rest as inert material will be generated and stored at designated place and disposed off through recycles. Waste / used / spent oil and used batteries will be sold to authorized recyclers / re-processors.

Green belt is already developed in 46% (80 acres) of total plant area of 174 acres. Power (1800 MWH) will be required. Fuel oil (5,400 kl) will be used as fuel. No increase in power demand or facility for the proposed plant will be required. Rain water recharging well have been constructed in township for the conservation of rain water.

After deliberations, the Committee noted that proposal is for manufacturing of Zinc Sulphate (Monohydrate 33% Zinc, 30,000 MTPY) which is an inorganic chemical and is not a fertilizer. Since inorganic chemicals are not covered in EIA Notification, 2006, proposal can not be considered for the environmental clearance and PAs may be asked to obtain other statutory clearances from the State Govt./SPCB. Proposal may be returned to the PAs.

ANNEXURE-IV

Environment management Cell (EMC) - IFFCO Kandla

Amount spent by IFFCO Kandla towards the engagement of qualified persons in EMC in FY 2026-27 (Apr-26 to Sep-26) is given in below table:

Sr. No.	Name	Designation	Qualification	Total Cost Incurred FY 2026-27 (Apr-26 to Sep-26) (Rs.in Lakh)
1	Shri Jitendra Singh	Jt. General Manager (Technical)	B E (Electronics)	42.19
2	Shri R R Shukla	Ch. Manager (Laboratory)	B Sc (Chemistry)	33.88
3	Shri Sukrit Srivastava	Sr. Manager (Process Engineering)	B Tech (Chemical)	25.56
4	Shri Sanghadip Bramhane	Sr. Engineer (Environment)	B Tech + M Tech (Environment Science)	3.09
5	Shri Naresh Dodiya	Ch. Chemist Gr-II	B Sc (Chemistry)	3.25
6	Shri Vinod Kariya	Ch. Chemist Gr-II	B Sc (Chemistry)	3.54
7	Shri Nilesh Shah	Ch. Chemist Gr-I	B Sc (Chemistry)	4.34
8	Shri Rikinkumar Patel	Sr. Chemist Gr-I	B Sc (Chemistry)	5.46
9	Shri Chirag Parmar	Chemist Gr-II	B Sc (Chemistry)	4.40
10	Shri Nirav Patel	Chemist Gr-II	B Sc (Chemistry)	4.25
			Total	**129.97**

JITENDRA SINGH
Jt. General Manager (Technical)
Indian Farmers Fertiliser Cooperative Limited
Kandla, Kachchh, Gujarat-370210

ANNEXURE-V

Amount spent by IFFCO Kandla against various modifications for Environment Management during FY 2026-27 (Apr-26 to Sep-26)

Sr. No.	Details of Modifications	Total Cost Incurred in FY 2026-27 (Apr-26 to Sep-26) (in Rs. Lakh)
1	Improvement of Nozzle Box of Cooler and Tail gas Separator in NPK-I	22
2	Revamping of Sulphuric Acid Storage Tank A	98.92
3	New Heat of Compression Dryer for IR B Air Compressor	203.94
4	Construction of Dyke Wall surrounding Phosphoric acid tanks G & H in K-II Area	122.78
	TOTAL	**447.64**

JITENDRA SINGH
Jt. General Manager (Technical)
Indian Farmers Fertiliser Cooperative Limited
Kandla, Kachchh, Gujarat-370210

1. Improvement of Nozzle Box of Cooler and Tail gas Separator in NPK-I

Before	After
Nozzle Box of Cooler Separator in NPK-I	Nozzle Box of Cooler Separator in NPK-I
Geo-Location (Latitude, Longitude)	**Geo-Location (Latitude, Longitude)**
23°02'03.5"N 70°13'09.7"E	23°02'03.5"N 70°13'09.7"E
	

2. Revamping of Sulphuric Acid Storage Tank-A

Geo-Location (Latitude, Longitude)
23°02'01.3"N, 70°13'14.9"E
Sulphuric Acid Storage Tank-A



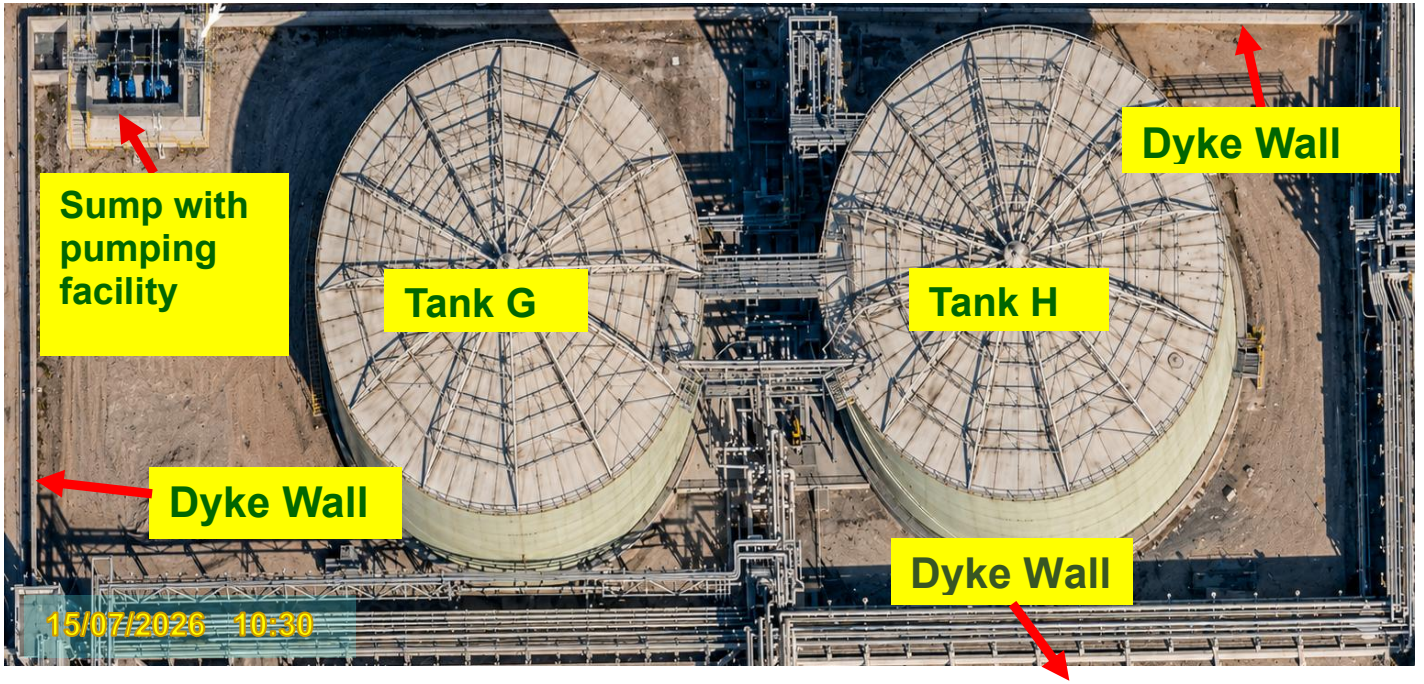
3. New Heat of Compression Dryer for IR B Air Compressor

Geo-Location (Latitude, Longitude)
23°02'02.4"N, 70°13'15.3"E
New HOC based Air Dryer



4. Construction of Dyke Wall surrounding Phosphoric acid tanks G & H in K-II Area

Geo-Location (Latitude, Longitude)
23°02'04.2"N, 70°12'56.0"E
Dyke Wall surrounding Phosphoric acid tanks G & H in K-II Area



ANNEXURE-VII

OCEMS Data Acquisition and Management System

Refresh

Login > Dashboard > Site Info

IFFCO Ltd. Kandla Unit (OD14GJ00945)

M/s IFFCO Ltd., Old Kandla, Kandla Unit, Tal: Gandhidham, Dist: Kutch, Pin:370210, Gujarat, Kandla, Gujarat, PIN - 370210

Fertilizer

Live

Live Readings | Emission | Effluent | All

Emission 8 | Effluent 1 | Total Stations 9

OD14GJ00945_Effluent_CENTRAL SUMP DISCHARGE

Flow Outlet - 0 m³/hr
Unit: - m³/hr
Prescribed Limit: m³/hr
Last Received: 12 Nov 2026, 10:30 AM
24 Hrs Avg: 0.0



View Data

OD14GJ00945_Emission_NPK-1_Stream_A

HF - 0.3 mg/Nm³
Unit: 0 - 10 mg/Nm³
Prescribed Limit: 10 mg/Nm³
Last Received: 12 Nov 2026, 09:45 AM
24 Hrs Avg: 0.26



View Data

Ammonia - 5.2 mg/Nm³
Unit: 0 - 175 mg/Nm³
Prescribed Limit: 175 mg/Nm³
Last Received: 12 Nov 2026, 09:45 AM
24 Hrs Avg: 4.76



View Data

OD14GJ00945_Emission_Stream_B

HF - 0.2 mg/Nm³
Unit: 0 - 10 mg/Nm³
Prescribed Limit: 10 mg/Nm³
Last Received: 12 Nov 2026, 09:45 AM
24 Hrs Avg: 0.28



View Data

Ammonia - 4.9 mg/Nm³
Unit: 0 - 175 mg/Nm³
Prescribed Limit: 175 mg/Nm³
Last Received: 12 Nov 2026, 09:45 AM
24 Hrs Avg: 3.39



View Data

OD14GJ00945_Emission_Stream_C

HF - 0.9 mg/Nm³
Unit: 0 - 10 mg/Nm³
Prescribed Limit: 10 mg/Nm³
Last Received: 12 Nov 2026, 09:45 AM
24 Hrs Avg: 0.96



View Data

Ammonia - 1.4 mg/Nm³
Unit: 0 - 175 mg/Nm³
Prescribed Limit: 175 mg/Nm³
Last Received: 12 Nov 2026, 09:45 AM
24 Hrs Avg: 17.24



View Data

OD14GJ00945_Emission_Stream_D

HF - 2.2 mg/Nm³
Unit: 0 - 10 mg/Nm³
Prescribed Limit: 10 mg/Nm³
Last Received: 12 Nov 2026, 09:45 AM
24 Hrs Avg: 1.21



View Data

Ammonia - 18.8 mg/Nm³
Unit: 0 - 175 mg/Nm³
Prescribed Limit: 175 mg/Nm³
Last Received: 12 Nov 2026, 09:45 AM
24 Hrs Avg: 24.07



View Data

OD14GJ00945_Emission_Stream_E

HF - 0.4 mg/Nm³
Unit: 0 - 10 mg/Nm³
Prescribed Limit: 10 mg/Nm³
Last Received: 12 Nov 2026, 10:00 AM
24 Hrs Avg: 0.51



View Data

Ammonia - 3.8 mg/Nm³
Unit: 0 - 175 mg/Nm³
Prescribed Limit: 175 mg/Nm³
Last Received: 12 Nov 2026, 10:00 AM
24 Hrs Avg: 10.11



View Data

OD14GJ00945_Emission_Stream_F

HF - 0.6 mg/Nm³
Unit: 0 - 10 mg/Nm³
Prescribed Limit: 10 mg/Nm³
Last Received: 12 Nov 2026, 10:00 AM
24 Hrs Avg: 0.6



View Data

Ammonia - 7.2 mg/Nm³
Unit: 0 - 175 mg/Nm³
Prescribed Limit: 175 mg/Nm³
Last Received: 12 Nov 2026, 10:00 AM
24 Hrs Avg: 5.81



View Data

Annexure VIII

Stride Green Technologies LLP

Test Report

F/OPN/06
Issue No.: 03
Page 1 of 1

Ambient Air Quality

Name and Address of Customer	**M/s. Indian Farmers Fertilizer Co. Ltd,** Kandla Unit, Kutch, 372010.		
Discipline	Chemical	Group	Atmospheric Pollution
Report No.	SGT/AA/05/032/26-27	Date of Issue	13/05/2026
Sample Description	Ambient Air	Sampling Location	Station – 1 (Ammonia atmospheric Tank)
Date and time of sampling start	05/05/2026 11:54 hrs.	Date and time of sampling stop	06/05/2026 11:54 hrs.
Sample Receipt Date	06/05/2026	Sampling By	SGT Team
Sampling Procedure	IS 5182	Sample ID	SGT/AA/05/032
Location of test performed	At Laboratory	Wind Direction	NE
		Wind Speed (m/s)	0.6 – 3.4
Environmental Condition during testing	25 ± 2 °C	Environmental Condition during sampling	Clear
Condition of sample during receipt	Satisfactory	Sampling plan	E/SYS/09
Test Start Date	07/05/2026	Test Completion date	07/05/2026

Test Results

Sr. No.	Parameters	Unit	Test Method	Results	Limit (as per GPCB)
1.	Particulate Matter (PM_{10})	µg/m³	IS 5182 (Part 23): 2006	68.9	100
2.	Particulate Matter ($PM_{2.5}$)	µg/m³	IS 5182 (Part24): 2019	40.2	60
3.	Sulphur Dioxide (SO_2)	µg/m³	IS 5182 (Part 2): 2001	20.6	80
4.	Oxides of Nitrogen (NO_x)	µg/m³	IS 5182 (Part 6): 2006	25.1	80
5.	Ammonia (NH_3)	µg/m³	IS 5182 (Part 19):1982	19.5	400

Remarks →

- Test Report shall not be reproduced except in full, without written approval of the Laboratory.
- Sample will be disposed after 15 days from the date of issue of the report unless agreed with the customer.
- Opinion & Interpretation is not given. Decision rule is not applicable.

Mr. Jignesh Prajapati	**Mr. Sandip Patel**
Chemist	**Technical Manager**
Tested By	**Reviewed and Approved By**

End of Test Report

Annexure VIII

Stride Green Technologies LLP

Test Report

F/OPN/06
Issue No.: 03
Page 1 of 1

Ambient Air Quality

Name and Address of Customer	**M/s. Indian Farmers Fertilizer Co. Ltd,** Kandla Unit, Kutch, 372010.		
Discipline	Chemical	Group	Atmospheric Pollution
Report No.	SGT/AA/05/030/26-27	Date of Issue	13/05/2026
Sample Description	Ambient Air	Sampling Location	Station – 2 (Nr. R & D Laboratory)
Date and time of sampling start	05/05/2026 11:00 hrs.	Date and time of sampling stop	06/05/2026 11:00 hrs.
Sample Receipt Date	06/05/2026	Sampling By	SGT Team
Sampling Procedure	IS 5182	Sample ID	SGT/AA/05/030
Location of test performed	At Laboratory	Wind Direction	NE
		Wind Speed (m/s)	0.6 – 3.4
Environmental Condition during testing	25 ± 2 °C	Environmental Condition during sampling	Clear
Condition of sample during receipt	Satisfactory	Sampling plan	E/SYS/09
Test Start Date	07/05/2026	Test Completion date	07/05/2026

Test Results

Sr. No.	Parameters	Unit	Test Method	Results	Limit (as per GPCB)
1.	Particulate Matter (PM_{10})	µg/m³	IS 5182 (Part 23): 2006	68.4	100
2.	Particulate Matter ($PM_{2.5}$)	µg/m³	IS 5182 (Part 24): 2019	35.1	60
3.	Sulphur Dioxide (SO_2)	µg/m³	IS 5182 (Part 2): 2001	17.6	80
4.	Oxides of Nitrogen (NO_x)	µg/m³	IS 5182 (Part 6): 2006	24.8	80
5.	Ammonia (NH_3)	µg/m³	IS 5182 (Part 19):1982	18.9	400

Remarks →

- Test Report shall not be reproduced except in full, without written approval of the Laboratory.
- Sample will be disposed after 15 days from the date of issue of the report unless agreed with the customer.
- Opinion & Interpretation is not given. Decision rule is not applicable.

Mr. Jignesh Prajapati	**Mr. Sandip Patel**
Chemist	**Technical Manager**
Tested By	**Reviewed and Approved By**

Stride Green Technologies LLP

End of Test Report

Annexure VIII

Stride Green Technologies LLP

Test Report

F/OPN/06
Issue No.: 03
Page 1 of 1

Ambient Air Quality

Name and Address of Customer	**M/s. Indian Farmers Fertilizer Co. Ltd,** Kandla Unit, Kutch, 372010.		
Discipline	Chemical	Group	Atmospheric Pollution
Report No.	SGT/AA/05/031/26-27	Date of Issue	13/05/2026
Sample Description	Ambient Air	Sampling Location	Station – 3 (Nr. Training Center)
Date and time of sampling start	05/05/2026 11:23 hrs.	Date and time of sampling stop	06/05/2026 11:23 hrs.
Sample Receipt Date	06/05/2026	Sampling By	SGT Team
Sampling Procedure	IS 5182	Sample ID	SGT/AA/05/031
Location of test performed	At Laboratory	Wind Direction	NE
		Wind Speed (m/s)	0.6 – 3.4
Environmental Condition during testing	25 ± 2 °C	Environmental Condition during sampling	Clear
Condition of sample during receipt	Satisfactory	Sampling plan	E/SYS/09
Test Start Date	07/05/2026	Test Completion date	07/05/2026

Test Results

Sr. No.	Parameters	Unit	Test Method	Results	Limit (as per GPCB)
1.	Particulate Matter (PM_{10})	$\mu g/m^3$	IS 5182 (Part 23): 2006	64.3	100
2.	Particulate Matter ($PM_{2.5}$)	$\mu g/m^3$	IS 5182 (Part24): 2019	35.0	60
3.	Sulphur Dioxide (SO_2)	$\mu g/m^3$	IS 5182 (Part 2): 2001	18.9	80
4.	Oxides of Nitrogen (NO_x)	$\mu g/m^3$	IS 5182 (Part 6): 2006	24.1	80
5.	Ammonia (NH_3)	$\mu g/m^3$	IS 5182 (Part 19):1982	15.8	400

Remarks →

- Test Report shall not be reproduced except in full, without written approval of the Laboratory.
- Sample will be disposed after 15 days from the date of issue of the report unless agreed with the customer.
- Opinion & Interpretation is not given. Decision rule is not applicable.

Ms. Jignesh Prajapati	**Mr. Sandip Patel**
Chemist	**Technical Manager**
Tested By	**Reviewed and Approved By**

Stride Green Technologies LLP

---------- **End of Test Report** ----------

Annexure VIII

Stride Green Technologies LLP

Test Report

F/OPN/05
Issue No.: 04
Page 1 of 1

Stack Analysis

Name and Address of Customer	**M/s. Indian Farmers Fertilizer Co. Ltd,** Kandla Unit, Kutch, 372010.		
Discipline	Chemical	Group	Atmospheric Pollution
Report No.	SGT/S/05/036/26-27	Date of Issue	13/05/2026
Sample Description	Flue Gas	Stack attached to	Boiler (14 TPH)
Date and time of sampling	06/05/2026 12:21 hrs.	Duration of sampling	40 min
Sample Receipt Date	06/05/2026	Sample ID	SGT/S/05/036
Fuel used	Coal	Stack gas Velocity in m/sec	7.89
Stack height in meter	51	Stack diameter in meter	1.5
Sampling Procedure	IS 11255	Sampling By	SGT Team
Stack temperature of Process Emission in °C	136	Ambient temperature in °C	37
Environmental Condition during testing	25 ± 2 °C	Location of test performed	At Laboratory
Condition of sample during receipt	Satisfactory	Sampling plan	E/SYS/09
Testing Test Start Date	06/05/2026	Testing Test End Date	07/05/2026

Test Results

Sr. No.	Parameters	Unit	Test Method	Results	Limits
1.	Particulate Matter	mg/Nm³	IS 11255 (Part 1) :1985	75.4	150
2.	Sulphur Dioxide (SO2)	ppm	IS 11255 (Part 2) :1985	44.2	100
3.	Oxide of Nitrogen (NOx)	ppm	IS 11255 (Part 7) :2005	25.8	50

Remarks →

- Test Report shall not be reproduced except in full, without written approval of the Laboratory.
- Sample will be disposed after 15 days from the date of issue of the report unless agreed with the customer.
- Opinion & Interpretation is not given.
- Decision rule is not applicable.

Mr. Jignesh Prajapati	**Mr. Sandip Patel**
Chemist	**Technical Manager**
Tested By	**Reviewed and Approved By**

---------- End of Test Report ----------

Annexure VIII

Stride Green Technologies LLP

Test Report

F/OPN/05
Issue No.: 04
Page 1 of 1

Stack Analysis

Name and Address of Customer	**M/s. Indian Farmers Fertilizer Co. Ltd,** Kandla Unit, Kutch, 372010.		
Discipline	Chemical	Group	Atmospheric Pollution
Report No.	SGT/S/05/020/26-27	Date of Issue	13/05/2026
Sample Description	Process Stack	Stack attached to	NPK Process (Stack – A)
Date and time of sampling	05/05/2026 09:42 hrs.	Duration of sampling	30 min
Sample Receipt Date	05/05/2026	Sample ID	SGT/S/05/020
Fuel used	NA	Stack gas Velocity in m/sec	8.60
Stack height in meter	41	Stack diameter in meter	2.8
Sampling Procedure	IS 11255	Sampling By	SGT Team
Stack temperature of Process Emission in °C	58	Ambient temperature in °C	32
Environmental Condition during testing	25 ± 2 °C	Location of test performed	At Laboratory
Condition of sample during receipt	Satisfactory	Sampling plan	E/SYS/09
Testing Test Start Date	06/05/2026	Testing Test End Date	07/05/2026

Test Results

Sr. No.	Parameters	Unit	Test Method	Results	Limits
1.	Particulate Matter	mg/Nm^3	IS 11255 (Part 1) :1985	72.1	150
2.	Ammonia (NH_3)	mg/Nm^3	IS 11255 (Part 6) :1999	27.8	175

Remarks →

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- Sample will be disposed after 15 days from the date of issue of the report unless agreed with the customer.
- Opinion & Interpretation is not given.
- Decision rule is not applicable.

Mr. Jignesh Prajapati	**Mr. Sandip Patel**
Chemist	**Technical Manager**
Tested By	**Reviewed and Approved By**

---------- End of Test Report ----------

Annexure VIII

Stride Green Technologies LLP

Test Report

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Stack Analysis

Name and Address of Customer	**M/s. Indian Farmers Fertilizer Co. Ltd,** Kandla Unit, Kutch, 372010.		
Discipline	Chemical	Group	Atmospheric Pollution
Report No.	SGT/S/05/020-A/26-27	Date of Issue	13/05/2026
Sample Description	Process Stack	Stack attached to	NPK Process (Stack – A)
ate and time of sampling	05/05/2026 09:42 hrs.	Duration of sampling	30 min
Sample Receipt Date	05/05/2026	Sample ID	SGT/S/05/020-A
Fuel used	NA	Stack gas Velocity in m/sec	8.60
Stack height in meter	41	Stack diameter in meter	2.8
Sampling Procedure	IS 11255	Sampling By	SGT Team
Stack temperature of Process Emission in °C	58	Ambient temperature in °C	32
Environmental Condition during testing	25 ± 2 °C	Location of test performed	At Laboratory
Condition of sample during receipt	Satisfactory	Sampling plan	E/SYS/09
Testing Test Start Date	06/05/2026	Testing Test End Date	07/05/2026

Test Results

Sr. No.	Parameters	Unit	Test Method	Results	Limits as per GPCB
1.	Fluoride	mg/Nm^3	IS 11255 (Part 5) :1990	2.10	10

Remarks →

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- Opinion & Interpretation is not given.
- Decision rule is not applicable.

Mr. Jignesh Prajapati	**Mr. Sandip Patel**
Chemist	**Technical Manager**
Tested By	**Reviewed and Approved By**

---------- End of Test Report ----------

Annexure VIII

Stride Green Technologies LLP

Test Report

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Page 1 of 1

Stack Analysis

Name and Address of Customer	**M/s. Indian Farmers Fertilizer Co. Ltd,** Kandla Unit, Kutch, 372010.		
Discipline	Chemical	Group	Atmospheric Pollution
Report No.	SGT/S/05/022/26-27	Date of Issue	13/05/2026
ample Description	Process Stack	Stack attached to	NPK Process (Stack – C)
Date and time of sampling	05/05/2026 11:18 hrs.	Duration of sampling	30 min
Sample Receipt Date	05/05/2026	Sample ID	SGT/S/05/022
Fuel used	NA	Stack gas Velocity in m/sec	8.67
Stack height in meter	41	Stack diameter in meter	2.8
Sampling Procedure	IS 11255	Sampling By	SGT Team
Stack temperature of Process Emission in °C	58	Ambient temperature in °C	35
Environmental Condition during testing	25 ± 2 °C	Location of test performed	At Laboratory
Condition of sample during receipt	Satisfactory	Sampling plan	E/SYS/09
Testing Test Start Date	06/05/2026	Testing Test End Date	07/05/2026

Test Results

Sr. No.	Parameters	Unit	Test Method	Results	Limits
1.	Particulate Matter	mg/Nm^3	IS 11255 (Part 1) :1985	62.8	150
2.	Ammonia (NH_3)	mg/Nm^3	IS 11255 (Part 6) :1999	23.7	175

Remarks →

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- Opinion & Interpretation is not given.
- Decision rule is not applicable.

Mr. Jignesh Prajapati	**Mr. Sandip Patel**
Chemist	**Technical Manager**
Tested By	**Reviewed and Approved By**

End of Test Report

Annexure VIII

Stride Green Technologies LLP

Test Report

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Page 1 of 1

Stack Analysis

Name and Address of Customer	**M/s. Indian Farmers Fertilizer Co. Ltd,** Kandla Unit, Kutch, 372010.		
Discipline	Chemical	Group	Atmospheric Pollution
Report No.	SGT/S/05/022-A/26-27	Date of Issue	13/05/2026
Sample Description	Process Stack	Stack attached to	NPK Process (Stack – C)
Date and time of sampling	05/05/2026 11:18 hrs.	Duration of sampling	30 min
Sample Receipt Date	05/05/2026	Sample ID	SGT/S/05/022-A
Fuel used	NA	Stack gas Velocity in m/sec	8.67
Stack height in meter	41	Stack diameter in meter	2.8
Sampling Procedure	IS 11255	Sampling By	SGT Team
Stack temperature of Process Emission in °C	58	Ambient temperature in °C	35
Environmental Condition during testing	25 ± 2 °C	Location of test performed	At Laboratory
Condition of sample during receipt	Satisfactory	Sampling plan	E/SYS/09
Testing Test Start Date	06/05/2026	Testing Test End Date	07/05/2026

Test Results

Sr. No.	Parameters	Unit	Test Method	Results	Limits as per GPCB
1.	Fluoride	mg/Nm^3	IS 11255 (Part 5) :1990	1.18	10

Remarks →

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- Decision rule is not applicable.

Mr. Jignesh Prajapati	**Mr. Sandip Patel**
Chemist	**Technical Manager**
Tested By	**Reviewed and Approved By**

Stride Green Technologies LLP

End of Test Report

Annexure VIII

Stride Green Technologies LLP

Test Report

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Page 1 of 1

Stack Analysis

Name and Address of Customer	**M/s. Indian Farmers Fertilizer Co. Ltd,** Kandla Unit, Kutch, 372010.		
Discipline	Chemical	Group	Atmospheric Pollution
Report No.	SGT/S/05/023/26-27	Date of Issue	13/05/2026
Sample Description	Process Stack	Stack attached to	NPK Process (Stack – D)
Date and time of sampling	05/05/2026 11:59 hrs.	Duration of sampling	30 min
Sample Receipt Date	05/05/2026	Sample ID	SGT/S/05/023
Fuel used	NA	Stack gas Velocity in m/sec	8.89
Stack height in meter	41	Stack diameter in meter	2.8
Sampling Procedure	IS 11255	Sampling By	SGT Team
Stack temperature of Process Emission in °C	60	Ambient temperature in °C	35
Environmental Condition during testing	25 ± 2 °C	Location of test performed	At Laboratory
Condition of sample during receipt	Satisfactory	Sampling plan	E/SYS/09
Testing Test Start Date	06/05/2026	Testing Test End Date	07/05/2026

Test Results

Sr. No.	Parameters	Unit	Test Method	Results	Limits
1.	Particulate Matter	mg/Nm^3	IS 11255 (Part 1) :1985	68.2	150
2.	Ammonia (NH_3)	mg/Nm^3	IS 11255 (Part 6) :1999	22.7	175

Remarks →

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- Opinion & Interpretation is not given.
- Decision rule is not applicable.

Mr. Jignesh Prajapati	**Mr. Sandip Patel**
Chemist	**Technical Manager**
Tested By	**Reviewed and Approved By**

End of Test Report

Annexure VIII

Stride Green Technologies LLP

Test Report

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Page 1 of 1

Stack Analysis

Name and Address of Customer	**M/s. Indian Farmers Fertilizer Co. Ltd,** Kandla Unit, Kutch, 372010.		
Discipline	Chemical	Group	Atmospheric Pollution
Report No.	SGT/S/05/023-A/26-27	Date of Issue	13/05/2026
Sample Description	Process Stack	Stack attached to	NPK Process (Stack – D)
Date and time of sampling	05/05/2026 11:59 hrs.	Duration of sampling	30 min
Sample Receipt Date	05/05/2026	Sample ID	SGT/S/05/023-A
Fuel used	NA	Stack gas Velocity in m/sec	8.89
Stack height in meter	41	Stack diameter in meter	2.8
Sampling Procedure	IS 11255	Sampling By	SGT Team
Stack temperature of Process Emission in °C	60	Ambient temperature in °C	35
Environmental Condition during testing	25 ± 2 °C	Location of test performed	At Laboratory
Condition of sample during receipt	Satisfactory	Sampling plan	E/SYS/09
Testing Test Start Date	06/05/2026	Testing Test End Date	07/05/2026

Test Results

Sr. No.	Parameters	Unit	Test Method	Results	Limits as per GPCB
1.	Fluoride	mg/Nm^3	IS 11255 (Part 5) :1990	1.08	10

Remarks →

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- Opinion & Interpretation is not given.
- Decision rule is not applicable.

Mr. Jignesh Prajapati	**Mr. Sandip Patel**
Chemist	**Technical Manager**
Tested By	**Reviewed and Approved By**

Stride Green Technologies LLP

---------- End of Test Report ----------

Annexure VIII

Stride Green Technologies LLP

Test Report

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Page 1 of 1

Stack Analysis

Name and Address of Customer	**M/s. Indian Farmers Fertilizer Co. Ltd.** Kandla Unit, Kutch, 372010.		
Discipline	Chemical	Group	Atmospheric Pollution
Report No.	SGT/S/05/025/26-27	Date of Issue	13/05/2026
Sample Description	Process Stack	Stack attached to	NPK Process (Stack – F)
Date and time of sampling	05/05/2026 13:51 hrs.	Duration of sampling	30 min
Sample Receipt Date	05/05/2026	Sample ID	SGT/S/05/025
Fuel used	NA	Stack gas Velocity in m/sec	8.93
Stack height in meter	41	Stack diameter in meter	2.8
Sampling Procedure	IS 11255	Sampling By	SGT Team
Stack temperature of Process Emission in °C	62	Ambient temperature in °C	40
Environmental Condition during testing	25 ± 2 °C	Location of test performed	At Laboratory
Condition of sample during receipt	Satisfactory	Sampling plan	E/SYS/09
Testing Test Start Date	06/05/2026	Testing Test End Date	07/05/2026

Test Results

Sr. No.	Parameters	Unit	Test Method	Results	Limits
1.	Particulate Matter	mg/Nm^3	IS 11255 (Part 1) :1985	70.2	150
2.	Ammonia (NH_3)	mg/Nm^3	IS 11255 (Part 6) :1999	25.1	175

Remarks →

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- Opinion & Interpretation is not given.
- Decision rule is not applicable.

Mr. Jignesh Prajapati	**Mr. Sandip Patel**
Chemist	**Technical Manager**
Tested By	**Reviewed and Approved By**

---------- End of Test Report ----------

Annexure VIII

Stride Green Technologies LLP

Test Report

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Issue No.: 04
Page 1 of 1

Stack Analysis

Name and Address of Customer	**M/s. Indian Farmers Fertilizer Co. Ltd.** Kandla Unit, Kutch, 372010.		
Discipline	Chemical	Group	Atmospheric Pollution
Report No.	SGT/S/05/025-A/26-27	Date of Issue	13/05/2026
Sample Description	Process Stack	Stack attached to	NPK Process (Stack – F)
Date and time of sampling	05/05/2026 13:51 hrs.	Duration of sampling	30 min
Sample Receipt Date	05/05/2026	Sample ID	SGT/S/05/025-A
Fuel used	NA	Stack gas Velocity in m/sec	8.93
Stack height in meter	41	Stack diameter in meter	2.8
Sampling Procedure	IS 11255	Sampling By	SGT Team
Stack temperature of Process Emission in °C	62	Ambient temperature in °C	40
Environmental Condition during testing	25 ± 2 °C	Location of test performed	At Laboratory
Condition of sample during receipt	Satisfactory	Sampling plan	E/SYS/09
Testing Test Start Date	06/05/2026	Testing Test End Date	07/05/2026

Test Results

Sr. No.	Parameters	Unit	Test Method	Results	Limits as per GPCB
1.	Fluoride	mg/Nm³	IS 11255 (Part 5) :1990	1.16	10

Remarks →

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- Opinion & Interpretation is not given.
- Decision rule is not applicable.

Mr. Jignesh Prajapati	**Mr. Sandip Patel**
Chemist	**Technical Manager**
Tested By	**Reviewed and Approved By**

---------- **End of Test Report** ----------

Annexure VIII

Stride Green Technologies LLP

Test Report

F/OPN/06
Issue No.: 03
Page 1 of 1

Ambient Air Quality

Name and Address of Customer	**M/s. Indian Farmers Fertilizer Co. Ltd,** Kandla Unit, Kutch, 372010.		
Discipline	Chemical	Group	Atmospheric Pollution
Report No.	AA/08/099/26-27	Date of Issue	15/08/2026
Sample Description	Ambient Air	Sampling Location	Station – 1 (Ammonia atmospheric Tank)
Date and time of sampling start	11/08/2026 11:48 hrs.	Date and time of sampling stop	12/08/2026 11:48 hrs.
Sample Receipt Date	12/08/2026	Sampling By	SGT Team
Sampling Procedure	IS 5182	Sample ID	AA/08/099
Location of test performed	At Laboratory	Wind Direction	WSW
		Wind Speed (m/s)	1.3– 4.7
Environmental Condition during testing	25 ± 2 °C	Environmental Condition during sampling	Clear
Condition of sample during receipt	Satisfactory	Sampling plan	E/SYS/09
Test Start Date	12/08/2026	Test Completion date	13/08/2026

Test Results

Sr. No.	Parameters	Unit	Test Method	Results	Limit (as per GPCB)
1.	Particulate Matter (PM_{10})	µg/m³	IS 5182 (Part 23): 2006	69.3	100
2.	Particulate Matter ($PM_{2.5}$)	µg/m³	IS 5182 (Part24): 2019	38.3	60
3.	Sulphur Dioxide (SO_2)	µg/m³	IS 5182 (Part 2): 2001	20.7	80
4.	Oxides of Nitrogen (NO_x)	µg/m³	IS 5182 (Part 6): 2006	24.9	80
5.	Ammonia (NH_3)	µg/m³	IS 5182 (Part 19):1982	17.1	400

Remarks →

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- Opinion & Interpretation is not given. Decision rule is not applicable.

Mr. Jignesh Prajapati	Mr. Love Patadiya
Chemist	Quality Manager
Tested By	Reviewed and Approved By

---------- End of Test Report ----------

Annexure VIII

Stride Green Technologies LLP

Test Report

F/OPN/06
Issue No.: 03
Page 1 of 1

Ambient Air Quality

Name and Address of Customer	**M/s. Indian Farmers Fertilizer Co. Ltd,** Kandla Unit, Kutch, 372010.		
Discipline	Chemical	Group	Atmospheric Pollution
Report No.	AA/08/100/26-27	Date of Issue	15/08/2026
Sample Description	Ambient Air	Sampling Location	Station – 2 (Nr. R & D Laboratory)
Date and time of sampling start	11/08/2026 11:00 hrs.	Date and time of sampling stop	12/08/2026 11:00 hrs.
Sample Receipt Date	12/08/2026	Sampling By	SGT Team
Sampling Procedure	IS 5182	Sample ID	AA/08/100
Location of test performed	At Laboratory	Wind Direction	WSW
		Wind Speed (m/s)	1.3– 4.7
Environmental Condition during testing	25 ± 2 °C	Environmental Condition during sampling	Clear
Condition of sample during receipt	Satisfactory	Sampling plan	E/SYS/09
Test Start Date	12/08/2026	Test Completion date	13/08/2026

Test Results

Sr. No.	Parameters	Unit	Test Method	Results	Limit (as per GPCB)
1.	Particulate Matter (PM_{10})	µg/m³	IS 5182 (Part 23): 2006	67.8	100
2.	Particulate Matter ($PM_{2.5}$)	µg/m³	IS 5182 (Part 24): 2019	33.3	60
3.	Sulphur Dioxide (SO_2)	µg/m³	IS 5182 (Part 2): 2001	18.4	80
4.	Oxides of Nitrogen (NO_x)	µg/m³	IS 5182 (Part 6): 2006	25.2	80
5.	Ammonia (NH_3)	µg/m³	IS 5182 (Part 19):1982	14.6	400

Remarks →

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- Opinion & Interpretation is not given. Decision rule is not applicable.

Mr. Jignesh Prajapati	Mr. Love Patadiya
Chemist	Quality Manager
Tested By	Reviewed and Approved By

Stride Green Technologies LLP

End of Test Report

Annexure VIII

Stride Green Technologies LLP

Test Report

F/OPN/06
Issue No.: 03
Page 1 of 1

Ambient Air Quality

Name and Address of Customer	**M/s. Indian Farmers Fertilizer Co. Ltd,** Kandla Unit, Kutch, 372010.		
Discipline	Chemical	Group	Atmospheric Pollution
Report No.	AA/08/101/26-27	Date of Issue	15/08/2026
Sample Description	Ambient Air	Sampling Location	Station – 3 (Nr. Training Center)
Date and time of sampling start	11/08/2026 11:23 hrs.	Date and time of sampling stop	12/08/2026 11:23 hrs.
Sample Receipt Date	12/08/2026	Sampling By	SGT Team
Sampling Procedure	IS 5182	Sample ID	AA/08/101
Location of test performed	At Laboratory	Wind Direction	WSW
		Wind Speed (m/s)	1.3– 4.7
Environmental Condition during testing	25 ± 2 °C	Environmental Condition during sampling	Clear
Condition of sample during receipt	Satisfactory	Sampling plan	E/SYS/09
Test Start Date	12/08/2026	Test Completion date	13/08/2026

Test Results

Sr. No.	Parameters	Unit	Test Method	Results	Limit (as per GPCB)
1.	Particulate Matter (PM_{10})	µg/m³	IS 5182 (Part 23): 2006	66.0	100
2.	Particulate Matter ($PM_{2.5}$)	µg/m³	IS 5182 (Part24): 2019	36.7	60
3.	Sulphur Dioxide (SO_2)	µg/m³	IS 5182 (Part 2): 2001	19.2	80
4.	Oxides of Nitrogen (NO_x)	µg/m³	IS 5182 (Part 6): 2006	24.1	80
5.	Ammonia (NH_3)	µg/m³	IS 5182 (Part 19):1982	17.9	400

Remarks →

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- Opinion & Interpretation is not given. Decision rule is not applicable.

Ms. Jignesh Prajapati	**Mr. Love Patadiya**
Chemist	**Quality Manager**
Tested By	**Reviewed and Approved By**

---------- End of Test Report ----------

Annexure VIII

Stride Green Technologies LLP

Test Report

F/OPN/05
Issue No.: 04
Page 1 of 1

Stack Analysis

Name and Address of Customer	**M/s. Indian Farmers Fertilizer Co. Ltd,** Kandla Unit, Kutch, 372010.		
Discipline	Chemical	Group	Atmospheric Pollution
Report No.	S/08/102/26-27	Date of Issue	15/08/2026
Sample Description	Process Stack	Stack attached to	NPK Process (Stack – A)
Date and time of sampling	11/08/2026 10:01 hrs.	Duration of sampling	28 min
Sample Receipt Date	12/08/2026	Sample ID	S/08/102
Fuel used	NA	Stack gas Velocity in m/sec	9.31
Stack height in meter	41	Stack diameter in meter	2.8
Sampling Procedure	IS 11255	Sampling By	SGT Team
Stack temperature of Process Emission in °C	57	Ambient temperature in °C	32
Environmental Condition during testing	25 ± 2 °C	Location of test performed	At Laboratory
Condition of sample during receipt	Satisfactory	Sampling plan	E/SYS/09
Testing Test Start Date	12/08/2026	Testing Test End Date	12/08/2026

Test Results

Sr. No.	Parameters	Unit	Test Method	Results	Limits
1.	Particulate Matter	mg/Nm^3	IS 11255 (Part 1) :1985	70.3	150
2.	Ammonia (NH_3)	mg/Nm^3	IS 11255 (Part 6) :1999	26.4	175

Remarks →

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- Opinion & Interpretation is not given.
- Decision rule is not applicable.

Mr. Jignesh Prajapati	Stride Green Technologies LLP	Mr. Love Patadiya
Chemist		Quality Manager
Tested By		Reviewed and Approved By

---------- End of Test Report ----------

Annexure VIII

Stride Green Technologies LLP

Test Report

F/OPN/05
Issue No.: 04
Page 1 of 1

Stack Analysis

Name and Address of Customer	**M/s. Indian Farmers Fertilizer Co. Ltd,** Kandla Unit, Kutch, 372010.		
Discipline	Chemical	Group	Atmospheric Pollution
Report No.	S/08/102-A/26-27	Date of Issue	15/08/2026
Sample Description	Process Stack	Stack attached to	NPK Process (Stack – A)
Date and time of sampling	11/08/2026 10:01 hrs.	Duration of sampling	28 min
Sample Receipt Date	12/08/2026	Sample ID	S/08/102-A
Fuel used	NA	Stack gas Velocity in m/sec	9.31
Stack height in meter	41	Stack diameter in meter	2.8
Sampling Procedure	IS 11255	Sampling By	SGT Team
Stack temperature of Process Emission in °C	57	Ambient temperature in °C	32
Environmental Condition during testing	25 ± 2 °C	Location of test performed	At Laboratory
Condition of sample during receipt	Satisfactory	Sampling plan	E/SYS/09
Testing Test Start Date	12/08/2026	Testing Test End Date	12/08/2026

Test Results

Sr. No.	Parameters	Unit	Test Method	Results	Limits as per GPCB
1.	Fluoride	mg/Nm^3	IS 11255 (Part 5) :1990	2.16	10

Remarks →

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- Opinion & Interpretation is not given.
- Decision rule is not applicable.

Mr. Jignesh Prajapati	Mr. Love Patadiya
Chemist	Quality Manager
Tested By	Reviewed and Approved By

Stride Green Technologies LLP

---------- End of Test Report ----------

Annexure VIII

Stride Green Technologies LLP

Test Report

F/OPN/05
Issue No.: 04
Page 1 of 1

Stack Analysis

Name and Address of Customer	**M/s. Indian Farmers Fertilizer Co. Ltd,** Kandla Unit, Kutch, 372010.		
Discipline	Chemical	Group	Atmospheric Pollution
Report No.	S/08/103/26-27	Date of Issue	15/08/2026
Sample Description	Process Stack	Stack attached to	NPK Process (Stack –B)
Date and time of sampling	11/08/2026 10:57 hrs.	Duration of sampling	30 min
Sample Receipt Date	12/08/2026	Sample ID	S/08/103
Fuel used	NA	Stack gas Velocity in m/sec	8.85
Stack height in meter	41	Stack diameter in meter	2.8
Sampling Procedure	IS 11255	Sampling By	SGT Team
Stack temperature of Process Emission in °C	58	Ambient temperature in °C	33
Environmental Condition during testing	25 ± 2 °C	Location of test performed	At Laboratory
Condition of sample during receipt	Satisfactory	Sampling plan	E/SYS/09
Testing Test Start Date	12/08/2026	Testing Test End Date	12/08/2026

Test Results

Sr. No.	Parameters	Unit	Test Method	Results	Limits
1.	Particulate Matter	mg/Nm³	IS 11255 (Part 1) :1985	65.7	150
2.	Ammonia (NH_3)	mg/Nm³	IS 11255 (Part 6) :1999	23.5	175

Remarks →

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- Decision rule is not applicable.

Mr. Jignesh Prajapati	Mr. Love Patadiya
Chemist	Quality Manager
Tested By	Reviewed and Approved By

Stride Green Technologies LLP

---------- End of Test Report ----------

Annexure VIII

Stride Green Technologies LLP

Test Report

F/OPN/05
Issue No.: 04
Page 1 of 1

Stack Analysis

Name and Address of Customer	**M/s. Indian Farmers Fertilizer Co. Ltd,** Kandla Unit, Kutch, 372010.		
Discipline	Chemical	Group	Atmospheric Pollution
Report No.	S/08/103-A/26-27	Date of Issue	15/08/2026
Sample Description	Process Stack	Stack attached to	NPK Process (Stack –B)
Date and time of sampling	11/08/2026 10:57 hrs.	Duration of sampling	30 min
Sample Receipt Date	12/08/2026	Sample ID	S/08/103-A
Fuel used	NA	Stack gas Velocity in m/sec	8.85
Stack height in meter	41	Stack diameter in meter	2.8
Sampling Procedure	IS 11255	Sampling By	SGT Team
Stack temperature of Process Emission in °C	58	Ambient temperature in °C	33
Environmental Condition during testing	25 ± 2 °C	Location of test performed	At Laboratory
Condition of sample during receipt	Satisfactory	Sampling plan	E/SYS/09
Testing Test Start Date	12/08/2026	Testing Test End Date	12/08/2026

Test Results

Sr. No.	Parameters	Unit	Test Method	Results	Limits as per GPCB
1.	Fluoride	mg/Nm³	IS 11255 (Part 5) :1990	1.20	10

Remarks →

- Test Report shall not be reproduced except in full, without written approval of the Laboratory.
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- Opinion & Interpretation is not given.
- Decision rule is not applicable.

Mr. Jignesh Prajapati	Mr. Love Patadiya
Chemist	Quality Manager
Tested By	Reviewed and Approved By

Stride Green Technologies LLP

---------- End of Test Report ----------

Annexure VIII

Stride Green Technologies LLP

Test Report

F/OPN/05
Issue No.: 04
Page 1 of 1

Stack Analysis

Name and Address of Customer	**M/s. Indian Farmers Fertilizer Co. Ltd,** Kandla Unit, Kutch, 372010.		
Discipline	Chemical	Group	Atmospheric Pollution
Report No.	S/08/104/26-27	Date of Issue	15/08/2026
Sample Description	Process Stack	Stack attached to	NPK Process (Stack –C)
Date and time of sampling	11/08/2026 11:48 hrs.	Duration of sampling	30 min
Sample Receipt Date	12/08/2026	Sample ID	S/08/104
Fuel used	NA	Stack gas Velocity in m/sec	7.84
Stack height in meter	41	Stack diameter in meter	2.8
Sampling Procedure	IS 11255	Sampling By	SGT Team
Stack temperature of Process Emission in °C	59	Ambient temperature in °C	34
Environmental Condition during testing	25 ± 2 °C	Location of test performed	At Laboratory
Condition of sample during receipt	Satisfactory	Sampling plan	E/SYS/09
Testing Test Start Date	12/08/2026	Testing Test End Date	12/08/2026

Test Results

Sr. No.	Parameters	Unit	Test Method	Results	Limits
1.	Particulate Matter	mg/Nm^3	IS 11255 (Part 1) :1985	64.5	150
2.	Ammonia (NH_3)	mg/Nm^3	IS 11255 (Part 6) :1999	19.5	175

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- Decision rule is not applicable.

Mr. Jignesh Prajapati	Mr. Love Patadiya
Chemist	Quality Manager
Tested By	Reviewed and Approved By

Stride Green Technologies LLP

End of Test Report

Annexure VIII

Stride Green Technologies LLP

Test Report

F/OPN/05
Issue No.: 04
Page 1 of 1

Stack Analysis

Name and Address of Customer	**M/s. Indian Farmers Fertilizer Co. Ltd,** Kandla Unit, Kutch, 372010.		
Discipline	Chemical	Group	Atmospheric Pollution
Report No.	S/08/104-A/26-27	Date of Issue	15/08/2026
Sample Description	Process Stack	Stack attached to	NPK Process (Stack –C)
Date and time of sampling	11/08/2026 11:48 hrs.	Duration of sampling	30 min
Sample Receipt Date	12/08/2026	Sample ID	S/08/104-A
Fuel used	NA	Stack gas Velocity in m/sec	7.84
Stack height in meter	41	Stack diameter in meter	2.8
Sampling Procedure	IS 11255	Sampling By	SGT Team
Stack temperature of Process Emission in °C	59	Ambient temperature in °C	34
Environmental Condition during testing	25 ± 2 °C	Location of test performed	At Laboratory
Condition of sample during receipt	Satisfactory	Sampling plan	E/SYS/09
Testing Test Start Date	12/08/2026	Testing Test End Date	12/08/2026

Test Results

Sr. No.	Parameters	Unit	Test Method	Results	Limits as per GPCB
1.	Fluoride	mg/Nm³	IS 11255 (Part 5) :1990	1.10	10

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Chemist	Quality Manager
Tested By	Reviewed and Approved By

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Annexure VIII

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Test Report

F/OPN/05
Issue No.: 04
Page 1 of 1

Stack Analysis

Name and Address of Customer	**M/s. Indian Farmers Fertilizer Co. Ltd,** Kandla Unit, Kutch, 372010.		
Discipline	Chemical	Group	Atmospheric Pollution
Report No.	S/08/104/26-27	Date of Issue	15/08/2026
Sample Description	Process Stack	Stack attached to	NPK Process (Stack –D)
Date and time of sampling	11/08/2026 12:52 hrs.	Duration of sampling	30 min
Sample Receipt Date	12/08/2026	Sample ID	S/08/104
Fuel used	NA	Stack gas Velocity in m/sec	8.06
Stack height in meter	41	Stack diameter in meter	2.8
Sampling Procedure	IS 11255	Sampling By	SGT Team
Stack temperature of Process Emission in °C	61	Ambient temperature in °C	35
Environmental Condition during testing	25 ± 2 °C	Location of test performed	At Laboratory
Condition of sample during receipt	Satisfactory	Sampling plan	E/SYS/09
Testing Test Start Date	12/08/2026	Testing Test End Date	12/08/2026

Test Results

Sr. No.	Parameters	Unit	Test Method	Results	Limits
1.	Particulate Matter	mg/Nm³	IS 11255 (Part 1) :1985	62.7	150
2.	Ammonia (NH_3)	mg/Nm³	IS 11255 (Part 6) :1999	22.0	175

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End of Test Report

Annexure VIII

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Test Report

F/OPN/05
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Stack Analysis

Name and Address of Customer	**M/s. Indian Farmers Fertilizer Co. Ltd,** Kandla Unit, Kutch, 372010.		
Discipline	Chemical	Group	Atmospheric Pollution
Report No.	S/08/104-A/26-27	Date of Issue	15/08/2026
Sample Description	Process Stack	Stack attached to	NPK Process (Stack –D)
Date and time of sampling	11/08/2026 12:52 hrs.	Duration of sampling	30 min
Sample Receipt Date	12/08/2026	Sample ID	S/08/104-A
Fuel used	NA	Stack gas Velocity in m/sec	8.06
Stack height in meter	41	Stack diameter in meter	2.8
Sampling Procedure	IS 11255	Sampling By	SGT Team
Stack temperature of Process Emission in °C	61	Ambient temperature in °C	35
Environmental Condition during testing	25 ± 2 °C	Location of test performed	At Laboratory
Condition of sample during receipt	Satisfactory	Sampling plan	E/SYS/09
Testing Test Start Date	12/08/2026	Testing Test End Date	12/08/2026

Test Results

Sr. No.	Parameters	Unit	Test Method	Results	Limits as per GPCB
1.	Fluoride	mg/Nm³	IS 11255 (Part 5) :1990	0.98	10

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Chemist	**Quality Manager**
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Annexure VIII

Stride Green Technologies LLP

Test Report

F/OPN/05
Issue No.: 04
Page 1 of 1

Stack Analysis

Name and Address of Customer	**M/s. Indian Farmers Fertilizer Co. Ltd,** Kandla Unit, Kutch, 372010.		
Discipline	Chemical	Group	Atmospheric Pollution
Report No.	S/08/115/26-27	Date of Issue	15/08/2026
Sample Description	Process Stack	Stack attached to	NPK Process (Stack – E)
Date and time of sampling	12/08/2026 10:43 hrs.	Duration of sampling	29 min
Sample Receipt Date	12/08/2026	Sample ID	S/08/115
Fuel used	NA	Stack gas Velocity in m/sec	8.13
Stack height in meter	41	Stack diameter in meter	2.8
Sampling Procedure	IS 11255	Sampling By	SGT Team
Stack temperature of Process Emission in °C	58	Ambient temperature in °C	35
Environmental Condition during testing	25 ± 2 °C	Location of test performed	At Laboratory
Condition of sample during receipt	Satisfactory	Sampling plan	E/SYS/09
Testing Test Start Date	13/08/2026	Testing Test End Date	13/08/2026

Test Results

Sr. No.	Parameters	Unit	Test Method	Results	Limits
1.	Particulate Matter	mg/Nm³	IS 11255 (Part 1) :1985	63.2	150
2.	Ammonia (NH_3)	mg/Nm³	IS 11255 (Part 6) :1999	23.7	175

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Chemist	Quality Manager
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End of Test Report

Annexure VIII

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Test Report

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Page 1 of 1

Stack Analysis

Name and Address of Customer	**M/s. Indian Farmers Fertilizer Co. Ltd,** Kandla Unit, Kutch, 372010.		
Discipline	Chemical	Group	Atmospheric Pollution
Report No.	S/08/115-E/26-27	Date of Issue	15/08/2026
Sample Description	Process Stack	Stack attached to	NPK Process (Stack – E)
Date and time of sampling	12/08/2026 10:43 hrs.	Duration of sampling	29 min
Sample Receipt Date	12/08/2026	Sample ID	S/08/115-E
Fuel used	NA	Stack gas Velocity in m/sec	8.13
Stack height in meter	41	Stack diameter in meter	2.8
Sampling Procedure	IS 11255	Sampling By	SGT Team
Stack temperature of Process Emission in °C	58	Ambient temperature in °C	35
Environmental Condition during testing	25 ± 2 °C	Location of test performed	At Laboratory
Condition of sample during receipt	Satisfactory	Sampling plan	E/SYS/09
Testing Test Start Date	13/08/2026	Testing Test End Date	13/08/2026

Test Results

Sr. No.	Parameters	Unit	Test Method	Results	Limits as per GPCB
1.	Fluoride	mg/Nm³	IS 11255 (Part 5) :1990	1.86	10

Remarks →

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Chemist	**Quality Manager**
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Stride Green Technologies LLP

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Annexure VIII

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Page 1 of 1

Stack Analysis

Name and Address of Customer	**M/s. Indian Farmers Fertilizer Co. Ltd.** Kandla Unit, Kutch, 372010.		
Discipline	Chemical	Group	Atmospheric Pollution
Report No.	S/08/116/26-27	Date of Issue	15/08/2026
Sample Description	Process Stack	Stack attached to	NPK Process (Stack –F)
Date and time of sampling	12/08/2026 11:52 hrs.	Duration of sampling	29 min
Sample Receipt Date	12/08/2026	Sample ID	S/08/116
Fuel used	NA	Stack gas Velocity in m/sec	8.13
Stack height in meter	41	Stack diameter in meter	2.8
Sampling Procedure	IS 11255	Sampling By	SGT Team
Stack temperature of Process Emission in °C	60	Ambient temperature in °C	36
Environmental Condition during testing	25 ± 2 °C	Location of test performed	At Laboratory
Condition of sample during receipt	Satisfactory	Sampling plan	E/SYS/09
Testing Test Start Date	13/08/2026	Testing Test End Date	13/08/2026

Test Results

Sr. No.	Parameters	Unit	Test Method	Results	Limits
1.	Particulate Matter	mg/Nm^3	IS 11255 (Part 1) :1985	70.2	150
2.	Ammonia (NH_3)	mg/Nm^3	IS 11255 (Part 6) :1999	22.6	175

Remarks →

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Chemist	Quality Manager
Tested By	Reviewed and Approved By

Stride Green Technologies LLP

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Annexure VIII

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Stack Analysis

Name and Address of Customer	**M/s. Indian Farmers Fertilizer Co. Ltd.** Kandla Unit, Kutch, 372010.		
Discipline	Chemical	Group	Atmospheric Pollution
Report No.	S/08/116-A/26-27	Date of Issue	15/08/2026
Sample Description	Process Stack	Stack attached to	NPK Process (Stack –F)
Date and time of sampling	12/08/2026 11:52 hrs.	Duration of sampling	29 min
Sample Receipt Date	12/08/2026	Sample ID	S/08/116-A
Fuel used	NA	Stack gas Velocity in m/sec	8.13
Stack height in meter	41	Stack diameter in meter	2.8
Sampling Procedure	IS 11255	Sampling By	SGT Team
Stack temperature of Process Emission in °C	60	Ambient temperature in °C	36
Environmental Condition during testing	25 ± 2 °C	Location of test performed	At Laboratory
Condition of sample during receipt	Satisfactory	Sampling plan	E/SYS/09
Testing Test Start Date	13/08/2026	Testing Test End Date	13/08/2026

Test Results

Sr. No.	Parameters	Unit	Test Method	Results	Limits as per GPCB
1.	Fluoride	mg/Nm³	IS 11255 (Part 5) :1990	1.12	10

Remarks →

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Mr. Jignesh Prajapati	**Mr. Love Patadiya**
Chemist	**Quality Manager**
Tested By	**Reviewed and Approved By**

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Annexure VIII

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Test Report

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Stack Analysis

Name and Address of Customer	**M/s. Indian Farmers Fertilizer Co. Ltd,** Kandla Unit, Kutch, 372010.		
Discipline	Chemical	Group	Atmospheric Pollution
Report No.	S/08/117/26-27	Date of Issue	15/08/2026
Sample Description	Process Stack	Stack attached to	De Dusting – 3
Date and time of sampling	12/08/2026 12:49 hrs.	Duration of sampling	28 min
Sample Receipt Date	12/08/2026	Sample ID	S/08/117
Fuel used	NA	Stack gas Velocity in m/sec	7.94
Stack height in meter	31	Stack diameter in meter	0.9
Sampling Procedure	IS 11255	Sampling By	SGT Team
Stack temperature of Process Emission in °C	43	Ambient temperature in °C	35
Environmental Condition during testing	25 ± 2 °C	Location of test performed	At Laboratory
Condition of sample during receipt	Satisfactory	Sampling plan	E/SYS/09
Testing Test Start Date	13/08/2026	Testing Test End Date	13/08/2026

Test Results

Sr. No.	Parameters	Unit	Test Method	Results	Limits
1.	Particulate Matter	mg/Nm^3	IS 11255 (Part 1) :1985	36.4	150

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Mr. Jignesh Prajapati	**Mr. Love Patadiya**
Chemist	**Quality Manager**
Tested By	**Reviewed and Approved By**

Stride Green Technologies LLP

---------- End of Test Report ----------

Photographs of Green Area





Photographs of Green Area





Photographs of Green Area





September - 2026

KANDLA UNIT

INDIAN FARMERS FERTILISER COOPERATIVE LIMITED
KANDLA UNIT

ON-SITE EMERGENCY ACTION PLAN
AND
ROLE OF KEY PERSONNEL & ESSENTIAL STAFF

PREPARED BY

FIRE & SAFETY SECTION

Note : On hearing Emergency Siren Non Essential Staff who are not allotted specific duty in Action Plan for On - Site Emergency must assemble at safe Assembly Points as mentioned in this Plan after consulting their Sectional Heads / Area Incharge. All HODs./SHs should take necessary action to assemble the Non Essential Staff and Contract workmen working under them at nearest safe Assembly Points.

EMERGENCY SIREN TONE:

In case of emergency the siren will be blown as below

FIRE	:	**Wailing sound for Two Minutes.**
Gas Leak	:	**Wailing sound for Two Minutes And repeat further after 30 Seconds.**
All Clear / Testing	:	**Continuous sound for Two Minutes.**
TESTING	:	**1st day of every month at 10.00 Hrs.**

Emergency Phones : FIRE: 4555 / 4666, MEDICAL: 4777 / 4574, SECURITY: 4855 / 4856

GENERAL INFORMATION:

Through the Environment Protection Act – 1986, the Central Government had notified 'The Manufacturing, Storage and Import of Hazardous Chemicals Rules - 1989, amended in 1994 and 2000.

The Factories Act - 1948 was amended in 1987 after the Bhopal tragedy under which it was laid down that the Occupier of the hazardous Factory is responsible for preparing the On-Site Emergency Plan and the same should be submitted to The Chief Inspector of Factories for approval. The plan should contain detailed disaster control measures also.

Under both the above Acts and Rules, the Factory handling the hazardous chemicals must prepare the emergency plan as under.

On Site Emergency Plan: - To be prepared by Occupier of the Factory.
Off Site Emergency Plan: - To be prepared by District authorities in consultation with factories.

IFFCO - Kandla has prepared the On-Site Emergency Plan and the action plan and the same is distributed to all concerned.

On - Site Emergency:

Emergencies are the kind of situation which can cause casualties within the plant premises. It may need to have help of outside agencies to bring the situation under control. Operational emergency on equipment failure situations which may go beyond control with time for long duration are also put under this category.

Off - Site Emergency:

This kind of emergency includes events, likely to endanger human life, plant, and equipment within IFFCO premises and in neighborhood and it is not possible to control with the resources available within IFFCO, Help of Local Administration, Police, State Transport, and Medical Center and Hospitals shall be required to control and contain the emergency.
Emergency situation in neighboring industry that may affect IFFCO are also included in this category.

CLASSIFICATION OF EMERGENCIES:

According to our plan the emergency is categorized in three levels i.e.

LEVEL - 1 The level of emergency which is controllable within the plant / area.
Emergencies may be due to:

a) small spot of fire in the plant.
b) Toxic gas release for short duration.
c) Collapse of small equipment.
d) Leakage of Acid – Phosphoric Acid or Sulphuric Acid

LEVEL - 2 The emergency which is confinable within the Factory premises.
Emergencies may be due to:

a) big fire in factory premises
b) medium scale explosion
c) Heavy leakage of toxic gas for short duration.
d) Heavy Leakage of Acid – Phosphoric Acid or Sulphuric Acid

LEVEL- 3 Likelihood of vapor clouds with formation of toxic / flammable gases drifting and affecting the public (i.e. outside of plant premises). This type of emergency arises out of:

a) Explosion in high pressure vessel containing toxic / flammable material.
b) Heavy leakage of toxic material for a long duration from pipeline or storage tanks.

The following priorities are to be borne in mind while directing all operations.

- Safety of personnel
- Minimum damage to plants, property, and environment.
- Minimum loss of material.

ESSENTIAL PERSONNEL:

(1) Operating Personnel of Affected Plant / Area
(2) Fire & Safety Personnel
(3) Medical Staff
(4) Security Staff
(5) Operating Personnel of non-affected Plant / Area
(6) On duty Shift Staff of Mech. Maintenance / Workshop / Electrical / Instrument / Laboratory

NON-ESSENTIAL STAFF:

All the persons who are not listed in essential personnel and not included in this action plan will report to Assembly Point after consulting their Sectional Heads / Area In charge.

AFFECTED / NON-AFFECTED PLANTS / AREA:

NPK – K I / K – II / Offsite K – I / B&MH / Barge Jetty Plants are considered for having potential to develop Onsite / Offsite emergency due Toxic release & or Fire.

Any plant / Area meeting with an emergency is known as an affected plant. The rest of the plant / area are known as non-affected plants.

EMERGENCY CONTROL CENTRES (ECC):

(1) At Fire & Safety Section
(2) Alternate ECC – EF Train Control Room
[If emergency affects ECC & wind direction is towards Time Office then Alternate ECC will be taken in line.]

ASSEMBLY POINTS:

In case of any emergency, the employees who are not allotted specific duties in the action plan and non-essential staff must assemble at following assembly point.

ASSEMBLY POINTS	ASSEMBLY POINT INCHARGE
MAIN WORKSHOP (Mech.)	Sectional Head / Shift Incharge of Transportation Section
E&F TRAIN GROUND FLOOR	Sectional Head / Shift Incharge of NPK K – II
BUS STAND AREA	Head of IT Services

EMERGENCY EXIT ROUTE:

In case of Ammonia leakage and wind direction towards time office, alternative emergency escape gate may be used for exit.

FIRST HAND INFORMATION, ROLE OF KEY PERSONNEL, ON HEARING EMERGENCY SIREN:

FIRST HAND INFORMATION: -

As per the emergency plan, any person at shop floor level who possesses the first information of leakage of toxic gas or Fire will communicate about the emergency as below: -

By informing concerned control room / Shift Incharge immediately.

In Fire Control Room Local telephone 4666 / 4555

By shouting and informing others working in a nearby area.

If there is a Fire incident, then try to extinguish immediately with available extinguisher in nearby area.

Please remember while passing information:
Give your name & location of incidence & give direction to Fire Tender by sending one person to main road where incident has taken place.

ROLE OF KEY PERSONNEL ON HEARING EMERGENCY SIREN:

1. Unit Head will reach the Emergency Control Centre (ECC) or Alternate Emergency Control Centre depending upon wind direction & situation of emergencies if ECC is affected.

2. HODs of Maintenance / Production / Technical / Material / P & A / F& A / Nonaffected Plant will report to Chief Emergency Controller [Unit Head] at ECC

3. Sectional Heads of Maintenance / Workshop / Civil / Instrument / Electrical / Nonaffected Plant will report to their normal workplaces if not demanded by Incident Controller / Site Main Controller / Chief Emergency Controller; Accordingly instruct staff under their control to report to Incident place & or / plant to be present at their normal workplace or to go to declared Assembly Point at the time of Emergency for further instruction & or if evacuation is needed.

4. All other Sectional Heads will report / remain at their normal workplaces with their staff and keep contact with their HOD or role allotted in emergency action plan.

5. All the HOD's and Section Head should attend Post Mock Drill meeting.

6. All the non-essential employees will contact their Sectional Heads / Area Incharge for further instructions.

7. All Contractor's Labor will follow safe route after seeing the wind direction and reach the assembly point for further instructions.

ROLE OF CHIEF EMERGENCY CONTROLLER: (UNIT HEAD)

On receipt of information about the emergency or hearing the siren, he shall proceed to Emergency Control Centre and take charge of Chief Emergency Controller.

He has overall responsibilities of directing operation and calling outside help from emergency control room. **OR**

An alternative ECC in case of adverse condition is EF Train Control Room.

Assess the situation quickly and decide the level of emergency (L_1, L_2 or L_3) after getting information from Incident / Site Main Controller.

If an emergency of L_1 level or L_2 (Onsite) is turning to L_3 (Offsite) level inform District Authorities for operating Offsite emergency plan.

Keep in contact with the Site Main Controller and direct him to handle emergencies. Ensure that all services for tackling emergencies are in line and advise them accordingly.

Direct all emergencies within the affected area with the following priorities.

a) Personnel Safety
b) Plant, Property & Environment Safety.
c) Minimum loss of production.

Direct safe shut down of plants in consultation with incident controller & key personnel, if necessary.

Ensure that all non-essential workers, visitors, and contractors are evacuated to assembly points.

If necessary, arrange for evacuation of neighboring population with the help of District Magistrate, Dy. SP, Asst. Director (IS&H).

Ensure that searches for causalities within the affected area have been carried out and arrange for hospitalization of victims.

Seek outside help from others as per requirement.

Ensure that HOD (P&A) liaison with outside agencies such as Police, District emergency authorities i.e., Collector, officials of Directorate of Industrial Safety & Health and Local Pollution Control Board. Provide advice on possible effects to areas outside the factory.

Ensure that press notes are prepared and released to press & media.

ROLE OF INCIDENT CONTROLLER:
Shift In charge of Affected Plant / Area (Production)

Area In charge will act as Incident Controller till Shift In charge / Section Head reached

On receiving the information of emergency, the shift in charge / area in charge concerned will direct his staff to control the situation by available gears. He will assess the scale of emergencies likely to exist i.e., L_1, L_2 OR L_3. Categorize the risk and

Inform Fire Control room (4666 / 4555) if fire crew did not reach till that time.
Inform Plant Dispensary (4777 / 4574) if personnel injury is reported / observed.

1. Decide whether to stop or continue the process and take technical decisions to control the incident and instruct the next person to inform Unit Head regarding incident and consult senior officers as per requirement.

2. If emergency of L_1 or L_2 level is turning to L_2 / L_3 level and need arises to activate emergency action plan by giving information / intimation to Fire Control room In charge (phone 4555 / 4606) for blowing emergency Siren for Gas / Fire code if Sectional Head (Site Main Controller) does not reach at the site.

3. Inform laboratory in charge of carrying out ambient air and effluent sample.

4. THE INCIDENT CONTROLLER HAS TO EXECUTE THE FOLLOWING RESPONSIBILITIES.
   a) Direct evacuation of plants and areas likely to be affected by the emergency.
   b) Ensure required key personnel are called in.
   c) Advice firefighting, rescue team and provide additional manpower / material from non-affected plant.
   d) Direct for search of causalities.
   e) Evacuate non-essential workers to assembly points.
   f) Preserve evidence for subsequent inquiry into the cause of emergency.

5. He will hand over the charge to Site Main Controller (Section Head) when he reaches the scene of Incident.

ROLE OF SITE MAIN CONTROLLER: PRODUCTION
(Section Head of Affected Plant / Area)

After receiving information from Area In charge / Incident Controller, inform Unit Head about incident if not already informed by Incident Controller and reach to the scene of incident and assess the level of emergency.

Take the charge of Site from Incident Controller.

Decide whether to stop or continue the process and take technical decisions to control the incident. Consult Chief Emergency Controller (Unit Head) regarding the situation arising.

If Emergency not declared by Incident Controller, then, inform the Fire Control room In charge (phone 4555 / 4606) for blowing emergency Siren for Gas / Fire code

Direct Incident Controller in co-ordination with Chief Emergency Controller to control the Emergency and safe shut down of plant as situation demands.

Site Main Controller must execute the following responsibilities.

A) Direct evacuation of plants and areas is likely to be affected by the emergency.
b) Ensure that the required key personnel are called in.
c) Advise firefighting, rescue team and other emergency services.
d) Direct search of causalities, if any.
e) Evacuate non-essential workers to assembly points.
f) Brief chief emergency controller on the developments.
g) Arrange for additional help for fire crew as per requirement of fire service in charge
h) Preserve evidence for subsequent inquiry into the cause of incident / emergency.

After consulting the Fire & Safety Section In charge, declare all clear at site & inform at Emergency Control Centre (Fire Control room) to declare all clear by blowing siren.

FIRE & SAFETY SERVICES

SHIFT INCHARGE (F&S):

As soon as, notified about the location of Fire / Gas leak,

Inform Section Head of Fire & Safety.

Blow the Siren if asked by Area Incharge or Incident Controller (Shift In charge) / Site Main Controller (Section Head) by the emergency Siren as per required code i.e., Fire / Gas Leak.

Ensure Fire Pumps in Auto mode.

Depute one Fire staff person at Fire Control Room.

Proceed immediately to the scene of incident with fire tender & crew.

Position the Fire tender depending on the wind direction.

Decide the course of action in consultation with the area Incharge or Shift In charge (Incident Controller) and take suitable measures to extinguish the fire / assist in controlling gas leak.

Direct Rescue operation if needed.

Seek the help of trained employees from Incident Controller to control the Emergency Situation.

Ensure that crew members are provided with proper safety equipment for tackling the emergency.

Assess the severity of the incident, and inform Incident Controller to call for additional vehicles, equipment, extinguishing media or and help from mutual aid.

Till the arrival of Sectional Head (F&S) or Fire Officer, guide the fire crew in firefighting and rescue operation by giving clear instruction.

Fire Control Room Fire staff ensure following:

Ensure that ambulance goes to the place of incidence.

Ensure that the pressure in the fire hydrant system is maintained, if required put available pumps in auto system and still if pressure is not available in hydrant system request help of Maint. Service Staff for smooth running of Fire pumps.

Record all the messages received in a register and work as per the direction of Incident Controller / Site Main Controller till arrival of Chief Emergency Controller (Unit Head)

ROLE OF SECTIONAL HEAD OF FIRE & SAFETY:

After receiving information from Fire Control Room Inform Unit Head / HOD about incident and reach to the scene of Incident.

Direct the firefighting, emergency operations with Fire Crew & other trained persons.

Keep in constant touch with Chief Emergency Controller for additional help, if necessary, till arrival of Site Main Controller.

On arrival of Site Main Controller, inform him regarding additional help for incident control action who in turn will convey to Chief Emergency Controller

Ensure that all equipments & PPEs required are available at site and if required arrange for additional requirements.

Direct Rescue operation and send the victims to First Aid Center for treatment.

Inform Site Main Controller to get help from DPA, Emergency Response Centre, KASEZ, G'dham Municipality Fire Brigades & nearby Industries.

Direct the Crew members at the scene of Emergency and reinforce, replenish equipment's / extinguishing media & firefighting crew.

Consult the Site Main Controller and both will take decision for declaration of all clear.

MAINTENANCE SERVICES

ROLE OF Sectional Heads of Mechanical / Workshop / Civil / Electrical / Instrument

Sectional Heads of Mechanical / Workshop / Civil / Electrical / Instrument are required to remain present at their normal workplaces and keep contact with their HOD and follow the decision made by Incident Controller / Site Main Controller / Chief Emergency Controller in the light of information received by them on the developing situation of emergency. Keep constant contact with their HOD.

They shall guide the staff under their control, aiding/ support for controlling the emergency and evacuation of personnel.

HOD OF MAINTENANCE SERVICES:

Mobilize staff and necessary tools & tackles for help if required by Incident Controller / Site Main Controller for emergency Maintenance work at the place of Incident. Direct concerned personnel for providing necessary help for tackling the Emergency.

Depute one person from each discipline i.e. Mechanical, Electrical, Instrument to look after the services of Fire Pumps till all clear siren is blown.

SECURITY SERVICES

ROLE OF SECURITY HEAD / SHIFT INCHARGE / SECURITY GUARDS

A) SECURITY HEAD / SHIFT IN-CHARGE:

Depute Security Guards at OHC and at incident places for help and controlling situation.

After hearing Siren, inform the location of fire/ Gas leak to the essential key personnel and guide the personnel coming to plant.

During non-General Shift hours, inform All HODs regarding emergencies i.e., Fire / Gas leak.

Guide statutory authority to go to Emergency Control Centre.

Depute Security Guard for manning the gates & traffic control at the scene of incident.

Prevent unauthorized entry in the Factory.

Render assistance as requested by Fire & Safety In charge / Incident Controller at the scene of Incident.

Mobilize additional Security for help if required.

No vehicles should be allowed inside the plant except Ambulance, Fire Tenders & emergency vehicles along with essential personnel & also direct them to the scene of incident.

Help to evacuate the people at the scene of incident.

Arrange to provide list of contractor workers working, visitors & vehicles for evacuation purposes if required by Assembly point in charge / Chief Emergency Controller.

To operate Jeep with Public Address system to warn surrounding public as directed by Chief Emergency Controller.

B) SECURITY GUARDS:

On hearing the emergency Siren, contact Shift Security In Charge & work under his instructions.

ADMINISTRATION & PERSONNEL SERVICES

ROLE OF HOD / SECTIONAL HEAD

On getting information on emergency Immediate report to Chief Emergency Controller at Emergency Control Centre (ECC).

Ensure that the media is properly guided and authentic news is made available for press and media.

Arrange vehicles to shift causalities from plant site to Hospitals & evacuation of persons from assembly points to outside shelters.

Arrange buses at Assembly Points for evacuation of people.

In addition to our vehicles arrange for hired vehicles and additional drivers if necessary for other services such as Welfare / Stores / Purchase.

Ensure that the telephone operator is deputed to convey messages. Keep the board free to the extent possible for incoming calls. Convey messages to Senior Officials / Nearby Organization Head etc. as directed by Chief Emergency Controller.

Arrange shelters in consultation with local authorities and NGOs.

Organize canteen services for hot drinks / snacks / food as required & other welfare services etc. at the scene of incident & required locations.

A messenger /runner is to be kept ready to pass the messages in case of failure of communications.

Keep in touch with local Govt. Authorities and nearby fire services for their help. Inform District Magistrate, Sr. Insp. of Factories, Police Dept., and GPCB etc. as per statutory requirements.

Arrange round the clock for the availability of people at hospital to look after the affected people.

Prepare records of affected personnel with local and permanent addresses & inform their nearest relatives.

Take necessary action for compliance with statutory needs such as information / reports etc. to concerned authority as per existing guidelines.

Depute one person for manning Assembly Points & maintain records of evacuated persons at various shelters / locations.

ROLE OF HOD / SECTIONAL HEAD
FIRST AID AND MEDICAL SERVICES

ROLE OF MEDICAL SERVICE HEAD / SHIFT INCHARGE PLANT DISPENSARY / MEDICAL STAFF

SHIFT INCHARGE PLANT DISPENSARY:

On receipt of instruction from Incident Controller / Fire Control room direct Ambulance to the scene of incident. **OR** on Hearing Siren of Fire Tender send Ambulance and advice to follow Fire Tender to the scene of incident.

Inform MEDICAL SERVICE HEAD / DOCTORS regarding incident.

Be ready to provide First Aid to Victims / Injured.

HEAD OF MEDICAL SERVICES / DOCTOR:

On receipt of information from Plant Dispensary immediately report to the first aid Centre of plant and take following actions.

Keep all necessary Medicines, artificial respiration equipments etc. ready.

Render first Aid to Victims / Injured Persons & send them in time for further treatment if required.

Inform all Hospitals / Doctors of Kandla, Gandhidham regarding Incident and gear up for hospitalization and treatment of Victims / Injured persons.

Contact Chief Emergency Controller for additional help.

MEDICAL STAFF:

After receiving information or hearing Siren contact Sectional Head / Shift In charge and work as directed by them.

LABORATORY

ROLE OF SECTIONAL HEAD / SHIFT INCHARGE / CHEMIST - (LABORATORY)

After getting information about emergencies remains present at your normal workplace.

Arrange to carry out ambient air and effluents samples test as directed by Incident Controller or Site Main Controller.

ASSEMBLY POINT MANAGEMENT

ROLE OF SECTIONAL HEAD / SHIFT INCHARGE (TRANSPORTATION), NPK K-II AND IT SERVICES

On hearing the Siren or intimation of Emergency immediately proceed to Assembly Point and inform to their HOD.

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Manning the Assembly Point and getting help from Sectional Head of (P&A) to shift the people to shelters, if required, and maintain the record of people reported at assembly points and transfer them to shelters or other places.

Keep in constant touch with their HOD & Co-ordinate other related activities as per requirement.

SUPPLY AND REPLENISHMENT MANAGEMENT

ROLE OF HOD (MATERIALS) / (F&A)

On receipt of information about the emergency or hearing the siren, immediately report to Chief Emergency Controller at Emergency Control Centre (ECC).

Direct all other Sectional Heads under their control to remain at their normal workplaces with their staff and instruct them as per requirement for further action.

Arrange additional manpower for handling Store items etc.

Arrange to issue items / equipments required during emergencies.

Take immediate action of emergency procurement and arrange additional manpower for local purchase etc. If required.

MUTUAL AID SCHEME

ROLE PLAYED BY MEMBERS OF MUTUAL AID SCHEME

On receiving the call, they proceed immediately with fire crew and Fire Tender.

The place of incident will be guided by IFFCO MAIN GATE SECURITY GUARD.

Fire Crew In charge will report to Sectional Head / Shift In charge (F&S) and assist the emergency operation as guided.

Safety of Fire Crew will be ensured by Incharge of Assisting Fire Brigade in emergency operation.

Outside organization if involved in assisting during onsite emergency.

KEY PERSONS & THEIR TELEPHONE NUMBERS (INTERNAL)

NAME & DESIGNATION	OFFICE PHONE		RESIDENCE PHONE	
	INTERNAL	Mobile No.	INTERNAL	P&T
Rajesh Ruhela SGM (Unit Head)	4700	8980044093	5006	255006
A K Chaudhary GM (Nano)	4915	7600074364	-	-
Pavan Garg GM (Maint.)	4633	7043005530	5005	255005
S U Ansari JGM (Prod)	4622	9426931336	5003	255003
Deepak Kumar JGM (Materials)	4210	9925226678	5002	255002
Durga Prasad JGM (Instrumentation)	4841	8980035584	5104	255104
Jitendra Singh JGM (Technical)	4689	9925228423	5107	255107
Bhavna Garg DGM(P&A)	4211	7228012146	5005	255005
D S Parihar DGM (IT)	4630	7043439178	5114	255114
Major Arun Kumar Singh, (Rtd) Chief Security Officer	4851	9099004273	5988	255988
Dushyant Chauhan CM (F&A)	4727	9727794585	5117	255117
Somesh Sharma CM (Electrical)	4645	9924949054	5105	255105
Dr. S S Lakhia Chief Medical Officer	5972	9428475963	5211	255211
Mahendra Singh CM (NPK-I)	4694	9904030184	5202	255202
Younus Katika CM NPK-II	4543	9924949116	5109	255109
P P Parmar CM (TPT)	4913	9408627200	5119	255119
Sauhard Rawat Dy. Manager (F&S)	4678	9979718333	5510	255510

IMPORTANT TELEPHONE NUMBERS (EXTERNAL)

(OFF-SITE EMERGENCY PLAN)

Sl. No.	DESIGNATION OF THE AUTHORITY	OFFICE PHONE	RESIDENCE PHONE
1.	District Collector Bhuj	02832-250020	(02832)250350
2.	District Supt of Police ,Bhuj	02832-250960	(02832) 250850, 221502
3.	Chairman Kandla Port Trust	02836-233001/234601	233002, 234691
4.	Vice Chairman KPT	02836-234121	234113
5.	District Development Officer, Bhuj	02832-250080	
6.	SDM, Anjar	02836-243345	243363
7.	Mamlatdar, Gandhidham	02836-250270	222875
8.	Dy. Supt of Police , Anjar	242517	243362
9.	Police Inspector Gandhidham	233752, 232500	242596
10.	Police Station,Kandla	9825618058, 02836-270999	234500
11.	Factory Inspector, Adipur	260020	270404
12.	Dy Conservator, KPT	233585 / 220235	260262
13.	Traffic Manager, KPT	270625	234734
14.	KPT Fire Station	270176 , 270178	235100
15.	KSEZ Fire Brigade	252232	238238
16.	Civil Defence Gandhidham	02836-227934	223629
17.	Gandhidham Municipal Fire Services	02836-226573	-
18.	Rambaug Hospital	02836-261626	-
19.	KPT Hospital, Kandla	270205 , 270633	265266
20.	KPT Hospital, Gopalpuri	02836-220497	-
21.	Bhuj Civil Hospital	2832-250150-220206	220497
22.	GEB Gandhidham	02836-258700	220129
23.	GEB Anjar	02836-244580	-
24.	GWSSB Gandhidham	9978406618 ,220975	-
25.	RLY Area Manager Gandhidham	221340	221152
26.	ST Bus Stand Gandhidham	7947130549, 220198	236237
27.	Gandhidham chamber of commerce	2836-220977 , 220735	-
28.	CISF Kandla	02836-271037 , 271040	-
29.	GPCB Regional Office Bhuj	02832-250620	-
30.	Disaster Management Control Room, Bhuj	02832-251007	-
31.	CRL Old Kandla	370210	
32.	IMC, New Kandla	270369, 653524	
33.	FOCT, Near Booster	02836-270987	-
34.	JK Synthetics	270223, 270443	-
35.	NP Patel terminal ,old kandla	270347 ,257807	
36.	Kesar Enterprise	270435 , 270177	-
37.	Indo Nippon	270795, 270295	
38.	IOCL, LPG	270978 , 236944	
39.	IOCL Kandla	233274	
40.	IOCL FST	270394, 270628 ,270477	
41.	Mamlatdar, Anjar	02836-242588	

Annexure X(b)

Report of On-Site Mock Drill carried out on 07th August 2026

7th August 2026

At 14.30 hrs on 07.08.2026, an ammonia leakage was noticed by the area operator. He immediately rushed towards the Ammonia Control Room while shouting “Gas leak, gas leak, gas leak” to create awareness among the workmen working in nearby areas. He informed the Control Room In-charge about the ammonia leakage observed at Horton Sphere -A liquid isolation valve leakage.

The updated status of the situation was subsequently communicated by the Shift In-charge (Offsite), Mr. Hero Meghrajani, to the Fire & Safety Control Room.

HAZARDOUS MATERIALS: -

Ammonia and Sulphuric acid leakage are the main hazards at our plant; we have the following storage facilities of Ammonia and Sulphuric acid at our plant.

SR NO	TYPE OF STORAGE	NOS. OF STORAGE TANK	CAPACITY OF STORAGE TANK	PRESSURE & TEMP.
1	Horton Sphere	Two	1500 MT. Each	3.2 Kg/cm^2 & 0 ^{0} C.
2	Atmospheric Storage Tank	One	5,000 MT.	500 mmwc & - 33^0 C.
3	Atmospheric Storage Tank	One	10,000 MT	500 mmwc & - 33^0 C.
4	Atmospheric Storage Tank	One	15,000 MT	500 mmwc & - 33^0 C.
5	Concentrated Sulphuric Acid Storage Tank	Two	5,000 MT.	Static Head & ambient



Area Operators Closed the Horton sphere liquid outlet valve



Fire Emergency Team reached at the incident location



Fire Crew started water monitor near Horton Sphere



Affected Person being rescued by Fire Crew



Fire Crew shifted affected person to the ambulance



Workers assembled at K-II Assembly Points



Two affected persons were brought to Occupational Health Centre (OHC) after being rescued from the Ammonia Storage Area.

The operations at OHC were closely monitored by the Chief Emergency Controller -Unit Head Shri. Rajesh Ruhela, Shri. Pavan Garg, General Manager (Maintenance), Shri. A.K Chaudhary, General Manager (Nano), Shri. S.U Ansari, Jt. general Manager (Production), Shri. Jitendra Singh, Jt. general Manager (Technical), Smt. Bhavna Garg. DGM(P&A).





Post Briefing Meeting Conducted at ERC under the Chairmanship of Unit Head Shri. Rajesh Ruhela.

TIME	EVENTS
14.30	Subsequently, Mr. Shaikh Zuber Ahmed (O/S) informed the Fire Control Room on emergency telephone No. 4555 regarding the heavy ammonia leakage and the requirement to declare the situation as a Level 2 emergency. Mr. Shaikh Zuber Ahmed further informed the Plant Dispensary to arrange and send an ambulance
14:31	The message was received at the Fire Control Room by Fire Shift In charge Mr. Dharmendra Sonagara The Fire Crew took the turn out immediately to the scene of incident. All Fire Pump kept on auto mode from Control room.
14:32	Site Main Controller, Chief Manager (Utilities) Emergency siren blown as instructed by Field operator. In field Brijesh Badiyavadara and technicians closed the Horton Sphere Liquid Outlet Valve.
14:32	On hearing the siren, security in charge advised guards to stop vehicles entering the factory premises
14:33	After Observing the wind direction that was South-West to North-East direction the Foam Tender & Ambulance reached at Emergency site through Safe Rescue Route, the Fire Vehicles & Ambulance were parked at safe place with safe distance from the Ammonia leakage area.
14:34	Shri Rajesh Ruhela, General Manager arrived at the Fire Control room and taken over the charge as Chief Emergency Controller.
14:34	The Fire crew started the work for finding the affected person and diluting the ammonia vapors by spraying water through two fixed monitors from the fire hydrant line after the consulting with incident controller.
14:35	Our rescue team member, after wearing the Breathing Apparatus set, approached the ammonia cloud area, removed the affected person from harmful area and laid him on ambulance stretcher.
14:35	People gathered at assembly points i.e., Workshop, NPK K-II ground floor and Bus Stand.
14:36	The First affected person Mr. Ramesh Yadav reached at Plant Dispensary. Ambulance was sent back to the incident site to take another affected person.
14:36	GM (Maint.), JGM (Technical), GM (Nano), Jt. GM (Production), DGM (P&A), reported to Unit Head at Emergency Control Center.
14:38	The second affected person, Mr. Dinesh, reached Plant Dispensary. Ambulance was sent back to the incident site to take another affected person.
14:39	Rescue Members searched for if there was any other affected person in the area.
14:40	Rescue team members reported to Site Main Controller that there were no more affected persons found in the area and Site Main Controller declared that there were no more affected persons on the Incident site.
14:40	The operators came out and reported that the Ammonia leakage has completely stopped. The Contaminated toxic vapors of Ammonia were diluted by spraying water. Representatives from Laboratory checked concentration of ammonia in the area. On receiving instructions from Site Main Controller to Fire and Safety supervisor water spraying was stopped.

14:41	Site Main Controller with joint discussion from Fire & Safety Incharge reported to Chief Emergency Controller that leakage is arrested and there is no more toxic concentration hazard in the atmosphere and the emergency is over.
14:41	Site Main Controller asked to blow all clear siren and accordingly all clear siren were blown for Two Minutes continuously from Fire Control Room.
14:44	Ambulance returned to the dispensary as there were no affected persons as informed by the Incident Controller.
14:45	Fire Tender with crew reached Fire Station.

A Post briefing meeting was conducted for this surprise mock (Information was with only Unit Head IFFCO Kandla & Section Head - Fire & Safety) at Emergency Response Centre under the chairmanship of our Unit head Shri. Rajesh Ruhela, Senior General Manager, all HOD's and Sectional Heads were present at the meeting. The following points were discussed in the meeting and instructed in the concerned regarding implementation of the following observations.

Attendees of the meeting:

	Name	Designation
1.	Shri. Rajesh Ruhela – (Chief Emergency Controller)	Unit Head
2.	Shri. Pavan Garg	GM (Maint.)
3.	Shri. A.K Chaudhary	GM (Nano)
4.	Shri. S.U. Ansari	Jt. GM (Prod.)
5.	Shri. Durga Prasad	Jt. GM (Inst)
6.	Shri. Jitendra Singh	Jt. GM (Tech)
7.	Shri Gaurav Gopal	DGM (IT Serv.)
8.	Shri. Devendra Parihar	DGM (IT Serv.)
9.	Shri. Ravi Jaiswal	DGM (Vigilance)
10.	Smt. Bhavna Garg	DGM (P&A)
11.	Shri. Somesh Sharma	Ch. Mgr. (Elect.)
12.	Shri. Sudhakar Vishwakarma	Ch. Manager (GE)
13.	Shri. HR Padsumbiya	Ch. Mgr. (Offsite)
14.	Shri. Suneel Kumar (Observer – Main Gate Assembly Point)	Ch. Mgr. (IT Serv.)
15.	Shri. Mahendra Singh	Ch. Mgr. (NPK-I)
16.	Shri. Younas Katika	Ch. Mgr. (NPK-II)
17.	Shri. L R Rao (Observer -OHC)	Ch. Mgr. (Mech K-I)
18.	Shri. Jignesh Patel	Ch. Mgr. (Mech K-II)
19.	Shri. Vinod Yadav (Observer – F&S Control Room)	Ch. Mgr. (Electrical)
20.	Shri Ruchik Trivedi (Observer – W/s Assembly Point)	Ch. Mgr. (Mech. Services.)
21.	Shri. P.P Parmar	Ch. Mgr. (Tpt.)
22.	Maj. Arun Kumar Singh	CSO
23.	Shri. Vipul Kumar Kabrawala	Sr. Manager (NPK-II)
24.	Shri. Pankaj Gulati (Observer – Ammonia)	Sr. Manager (GE)
25.	Shri Sukrit Shrivastava	Sr. Manager (PE)
26.	Shri. Sauhard Rawat	DM (F&S)
27.	Dr. Keyur Patel	Asst CMO
28.	Shri. Rohit Yadav (Observer – NPK-II Assembly Point)	Sr. Engineer (Mech. K-II)
29.	Shri. Arpit Nagpure	Engineer (F&S)

Minutes of Meeting (MoM)
Post Onsite Emergency Mock Drill

Key Observations & Discussion Points:

1. Ambulance Movement & Medical Preparedness
    i. The corridor between the ambulance parking area and the patient bed is very narrow. In case of an ammonia-affected patient, decontamination (water washing) cannot be carried out properly due to the limited space.
    ii. Ambulance driver was found wearing slippers instead of safety shoes. This is not in compliance with the required safety PPE.
    iii. Ambulance access to the patient bed should be improved by providing a wider corridor to facilitate the safe movement of patients

2. Safety During Gas Monitoring
    i. It was observed that the person carrying out gas monitoring was wearing an ABEK-1 cartridge mask instead of an SCBA set.

3. Assembly Point Management
    i. It was observed that some contractor workers were confused between the Emergency siren of Gas Leakage Siren and the Shift Change Siren (shift change siren at 14:20 hrs).
    ii. Contractor workers should be instructed to immediately board the designated buses during an emergency without waiting for instructions or assistance.
    iii. It was observed that some of the buses were being driven at a very high speed during the emergency.
4. Other Observations:
    i. At incident site near old ammonia control room there were unwanted material (Valves) obstructing the operations of fire fighting team.
    ii. The stretcher strap became loose during the rescue operation.
    iii. Security personnel reached the incident site without wearing respiratory protection masks.
    iv. Security personnel did not have proper communication equipment (Motorola walkie-talkie sets) for effective communication during the emergency.
    v. It was observed that the railway barrier gate at the Main Gate remained closed for approximately 30 seconds despite there being no movement of railway wagons, and the security personnel were not present at their designated location to operate the barrier gate.
    vi. All bus drivers should be made aware of the speed limits and the locations of all emergency gates.

Sauhard Rawat
Dy. Manager (F&S)

Annexure XI

FORM NO. 37

(Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under Section 7-A (2) (E).

1 Name of the Department/Plant.: **M/s. Indian Farmers Fertilizer Co. Ltd.** Kandla Unit, Kutch, 372010. Phosphoric Acid, Ammonia, NP / NPK Fertilizers

2 Raw materials, by-products and finished Products involving in the process:

3 Date Of Sampling: 05/05/2026 (10:26 Hrs.)

4 Particulars of sampling: as per below table

Sr. No.	Location/ Operation Mentioned	Identified conta-minant	Sampling instrument used	Airborne Contamination		Average	TWA concen-tration (As given in second schedule)	Reference method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in block letter)
				Number of samples	Range							
1	2	3	4	5	6	7	8	9	10	11	12	13
1.	Between Horton Spheres	Ammonia	Gaseous Analyzer	1 No.	mg/Nm^3	5.1	35*	OSHA ID-188	4	Complied		Jay Dhobi
2.	Near Granulator 'A' Train	Ammonia	Gaseous Analyzer	1 No.	mg/Nm^3	4.4	35*	OSHA ID-188	5	Complied		Jay Dhobi
3.	Near Granulator 'B' Train	Ammonia	Gaseous Analyzer	1 No.	mg/Nm^3	3.2	35*	OSHA ID-188	4	Complied		Jay Dhobi

Annexure XI

FORM NO. 37

(Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under Section 7-A (2) (E).

4.	Near Granulator 'C' Train	Ammonia	Gaseous Analyzer	1 No.	mg/Nm³	5.1	35*	OSHA ID-188	4	Complied		Jay Dhobi
5.	Near Granulator 'D' Train	Ammonia	Gaseous Analyzer	1 No.	mg/Nm³	3.3	35*	OSHA ID-188	3	Complied	Jay	Jay Dhobi
6.	Near Granulator 'E' Train	Ammonia	Gaseous Analyzer	1 No.	mg/Nm³	7.0	35*	OSHA ID-188	5	Complied	Jay	Jay Dhobi
7.	Near Granulator 'F' Train	Ammonia	Gaseous Analyzer	1 No.	mg/Nm³	9.6	35*	OSHA ID-188	4	Complied	Jay	Jay Dhobi
8.	Near NH_3 Storage Tank – A	Ammonia	Gaseous Analyzer	1 No.	mg/Nm³	3.0	35*	OSHA ID-188	5	Complied	Jay	Jay Dhobi
9.	Near NH_3 Storage Tank – B	Ammonia	Gaseous Analyzer	1 No.	mg/Nm³	3.1	35*	OSHA ID-188	1	Complied	Jay	Jay Dhobi
10.	Near NH_3 Storage Tank – C	Ammonia	Gaseous Analyzer	1 No.	mg/Nm³	1.5	35*	OSHA ID-188	3	Complied	Jay	Jay Dhobi

Annexure XI

FORM NO. 37

(Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under Section 7-A (2) (E).

11.	Near PN Tank 'A' Train	Ammonia	Gaseous Analyzer	1 No.	mg/Nm^3	3.0	35*	OSHA ID-188	2	Complied		Jay Dhobi
12.	Near PN Tank 'B' Train	Ammonia	Gaseous Analyzer	1 No.	mg/Nm^3	5.1	35*	OSHA ID-188	1	Complied		Jay Dhobi
13.	Near PN Tank 'C' Train	Ammonia	Gaseous Analyzer	1 No.	mg/Nm^3	5.0	35*	OSHA ID-188	2	Complied		Jay Dhobi
14.	Near PN Tank 'D' Train	Ammonia	Gaseous Analyzer	1 No.	mg/Nm^3	4.3	35*	OSHA ID-188	1	Complied		Jay Dhobi

* As per Factory act short term exposure limit

Annexure XI

FORM NO. 37

(Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under Section 7-A (2) (E).

1 Name of the Department/Plant.: **M/s. Indian Farmers Fertilizer Co. Ltd.** Kandla Unit, Kutch, 372010.

2 Raw materials, by-products and finished Products involving in the process: Phosphoric Acid, Ammonia, NP / NPK Fertilizers

3 Date Of Sampling: 05/05/2026

4 Particulars of sampling: as per below table

Sr. No.	Location/ Operation Mentioned	Identified conta-minant	Sampling instrument used	Airborne Contamination		Average	TWA concen-tration (As given in second schedule)	Reference method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in block letter)
				Number of samples	Range							
1	2	3	4	5	6	7	8	9	10	11	12	13
1.	Air Compressor	Noise	Sound Level Meter	1 No.	db(A)	80.3	85*	Electronics Instrument method	3	Complied		Jay Dhobi
2.	Ammonia Compressor House	Noise	Sound Level Meter	1 No.	db(A)	78.9	85*	Electronics Instrument method	2	Complied		Jay Dhobi
3.	Dryer Floor AB Train	Noise	Sound Level Meter	1 No.	db(A)	78.1	85*	Electronics Instrument method	5	Complied		Jay Dhobi

Annexure XI

FORM NO. 37

(Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under Section 7-A (2) (E).

4.	Dryer Floor CD Train	Noise	Sound Level Meter	1 No.	db(A)	81.8	85*	Electronics Instrument method	3	Complied		Jay Dhobi
5.	Dryer Floor EF Train	Noise	Sound Level Meter	1 No.	db(A)	76.9	85*	Electronics Instrument method	2	Complied		Jay Dhobi
6.	HAG (K-1)	Noise	Sound Level Meter	1 No.	db(A)	81.0	85*	Electronics Instrument method	3	Complied		Jay Dhobi
7.	HAG (K-II)	Noise	Sound Level Meter	1 No.	db(A)	81.9	85*	Electronics Instrument method	5	Complied		Jay Dhobi
8.	Mechanical Workshop	Noise	Sound Level Meter	1 No.	db(A)	76.8	85*	Electronics Instrument method	4	Complied		Jay Dhobi
9.	Up Plant	Noise	Sound Level Meter	1 No.	db(A)	78.1	85*	Electronics Instrument method	5	Complied		Jay Dhobi
10.	WSF Plant	Noise	Sound Level Meter	1 No.	db(A)	78.8	85*	Electronics Instrument method	4	Complied		Jay Dhobi

* As per Factory act short term exposure limit

Annexure XI

FORM NO. 37

(Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under Section 7-A (2) (E).

1 Name of the Department/Plant.: **M/s. Indian Farmers Fertilizer Co. Ltd.** Kandla Unit, Kutch, 372010.

2 Raw materials, by-products and finished Products involving in the process: Phosphoric Acid, Ammonia, NP / NPK Fertilizers

3 Date Of Sampling: 12/08/2026 (11:44 Hrs.)

4 Particulars of sampling: as per below table

Sr. No.	Location/ Operation Mentioned	Identified conta-minant	Sampling instrument used	Airborne Contamination		Average	TWA concen-tration (As given in second schedule)	Reference method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in block letter)
				Number of samples	Range							
1	2	3	4	5	6	7	8	9	10	11	12	13
1.	Between Horton Spheres	Ammonia	Gaseous Analyzer	1 No.	ppm	5.0	35*	NIOSH 6016	4	Complied		Jaydeep Prajapati
2.	Near Granulator 'A' Train	Ammonia	Gaseous Analyzer	1 No.	ppm	4.2	35*	NIOSH 6016	5	Complied		Jaydeep Prajapati
3.	Near Granulator 'B' Train	Ammonia	Gaseous Analyzer	1 No.	ppm	3.0	35*	NIOSH 6016	4	Complied		Jaydeep Prajapati

Annexure XI

FORM NO. 37
(Prescribed under Rule 12-B)
Register containing particulars of monitoring of working environment required under Section 7-A (2) (E).

4.	Near Granulator 'C' Train	Ammonia	Gaseous Analyzer	1 No.	ppm	4.8	35*	NIOSH 6016	4	Complied		Jaydeep Prajapati
5.	Near Granulator 'D' Train	Ammonia	Gaseous Analyzer	1 No.	ppm	3.1	35*	NIOSH 6016	3	Complied		Jaydeep Prajapati
6.	Near Granulator 'E' Train	Ammonia	Gaseous Analyzer	1 No.	ppm	6.5	35*	NIOSH 6016	5	Complied		Jaydeep Prajapati
7.	Near Granulator 'F' Train	Ammonia	Gaseous Analyzer	1 No.	ppm	8.4	35*	NIOSH 6016	4	Complied		Jaydeep Prajapati
8.	Near NH_3 Storage Tank – A	Ammonia	Gaseous Analyzer	1 No.	ppm	3.6	35*	NIOSH 6016	5	Complied		Jaydeep Prajapati
9.	Near NH_3 Storage Tank – B	Ammonia	Gaseous Analyzer	1 No.	ppm	3.0	35*	NIOSH 6016	1	Complied		Jaydeep Prajapati
10.	Near NH_3 Storage Tank – C	Ammonia	Gaseous Analyzer	1 No.	ppm	1.9	35*	NIOSH 6016	3	Complied		Jaydeep Prajapati

Annexure XI

FORM NO. 37
(Prescribed under Rule 12-B)
Register containing particulars of monitoring of working environment required under Section 7-A (2) (E).

11.	Near PN Tank 'A' Train	Ammonia	Gaseous Analyzer	1 No.	ppm	2.8	35*	NIOSH 6016	2	Complied		Jaydeep Prajapati
12.	Near PN Tank 'B' Train	Ammonia	Gaseous Analyzer	1 No.	ppm	4.9	35*	NIOSH 6016	1	Complied		Jaydeep Prajapati
13.	Near PN Tank 'C' Train	Ammonia	Gaseous Analyzer	1 No.	ppm	4.2	35*	NIOSH 6016	2	Complied		Jaydeep Prajapati
14.	Near PN Tank 'D' Train	Ammonia	Gaseous Analyzer	1 No.	ppm	4.0	35*	NIOSH 6016	1	Complied		Jaydeep Prajapati

* As per Factory act short term exposure limit

Annexure XI

FORM NO. 37

(Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under Section 7-A (2) (E).

1 Name of the Department/Plant.: **M/s. Indian Farmers Fertilizer Co. Ltd.** Kandla Unit, Kutch, 372010.

2 Raw materials, by-products and finished Products involving in the process: Phosphoric Acid, Ammonia, NP / NPK Fertilizers

3 Date Of Sampling: 12/08/2026 (10:20 Hrs.)

4 Particulars of sampling: as per below table

Sr. No.	Location/ Operation Mentioned	Identified conta-minant	Sampling instrument used	Airborne Contamination		Average	TWA concen-tration (As given in second schedule)	Reference method	Number of workers exposed at the location being monitored	Remarks	Signature of person taking samples	Name (in block letter)
				Number of samples	Range							
1	2	3	4	5	6	7	8	9	10	11	12	13
1.	Air Compressor	Noise	Sound Level Meter	1 No.	db(A)	82.3	85*	Electronics Instrument method	4	Complied		Jay Dhobi
2.	Ammonia Compressor House	Noise	Sound Level Meter	1 No.	db(A)	78.5	85*	Electronics Instrument method	2	Complied		Jay Dhobi
3.	Dryer Floor AB Train	Noise	Sound Level Meter	1 No.	db(A)	78.2	85*	Electronics Instrument method	5	Complied		Jay Dhobi

Stride Green Technologies LLP

Annexure XI

FORM NO. 37

(Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under Section 7-A (2) (E).

4.	Dryer Floor CD Train	Noise	Sound Level Meter	1 No.	db(A)	81.4	85*	Electronics Instrument method	5	Complied		Jay Dhobi
5.	Dryer Floor EF Train	Noise	Sound Level Meter	1 No.	db(A)	76.4	85*	Electronics Instrument method	3	Complied		Jay Dhobi
6.	HAG (K-1)	Noise	Sound Level Meter	1 No.	db(A)	82.6	85*	Electronics Instrument method	3	Complied		Jay Dhobi
7.	HAG (K-II)	Noise	Sound Level Meter	1 No.	db(A)	81.7	85*	Electronics Instrument method	4	Complied		Jay Dhobi
8.	Mechanical Workshop	Noise	Sound Level Meter	1 No.	db(A)	76.2	85*	Electronics Instrument method	6	Complied		Jay Dhobi
9.	Up Plant	Noise	Sound Level Meter	1 No.	db(A)	79.6	85*	Electronics Instrument method	7	Complied		Jay Dhobi
10.	WSF Plant	Noise	Sound Level Meter	1 No.	db(A)	78.4	85*	Electronics Instrument method	5	Complied		Jay Dhobi

* As per Factory act short term exposure limit

Annexure-XII

Details of stock of toxic/hazardous raw material with quantity at IFFCO Kandla

Raw Material /Hazardous Chemicals	Type of Storage Tanks	Storage Capacity	Closing Stock as on 30.09.2026
Ammonia	Insulated Horton Sphere, Stored at 3.0 Kg/cm^2	Two Horton spheres of capacity 1500 MT each	10612.053 MT
	Double Wall Double Integrity Atmospheric Ammonia Storage Tanks	Tank-A: 10000 MT Tank-B: 5000 MT Tank-C: 15000 MT	
	Total	**33,000 MT**	
Phosphoric acid	Vertical Cylindrical MSRL Storage Tanks	10 Nos. of Tanks of capacity 10,000 MT Bulk each.	29058.054 MT (As 100% P_2O_5)
	Total	**1,00,000 MT Bulk**	
Concentrated Sulphuric Acid	Vertical Cylindrical Mild Steel Storage Tank	2 Nos. of tanks of capacity 5,000 MT each	864.869 MT
	Total	**10,000 MT**	
LSHS	Vertical Cylindrical Mild Steel Storage Tanks	2 nos. of tanks of capacity 391 KL and 250 KL	289.534 MT
	Total	**641 KL**	
HCl	Vertical Cylindrical Mild teel Storage Tanks	2 Nos. of tanks of capacity 38 MT each	23.6 MT
	Total	**76 MT**	
Caustic Soda Lye	Vertical Cylindrical Stainless-Steel Tank	1 Tank of capacity **68 MT**	43.2 MT
Diesel	Underground Storage Tanks	2 Nos. of underground Storage Tank of capacity 20 KL each	12.021 KL
	Total	**40 KL**	

INDIAN FARMERS FERTILISER COOPERATIVE LIMITED

KANDLA UNIT

Refresher Training on Operation of Fire & Safety Equipment's

06th July, 2026

Different types of Fire & Safety Equipment's have been installed within our plant according to the requirement. Most of them are meant for tackling small Fires/Gas leakage at its starting stage. In case of failure to control the emergency at its incipient stage the emergency may spread at very rapid rate and may cause unpredictable loss to life & property. The prevention of small fire / Gas leak at work place is possible only by the employees working in that area. Looking to this proper training for correct use of these Fire & Safety equipment's was scheduled from 15/06/2026 to 03/07/2026 in different locations of plant area so that emergency can be controlled in its starting stage & we can handle any emergency more confidently.

Active participation of Employees and Contract Workmen was shown in refresher training. Some glimpses are as below: -








WORK SHOP















Total presence of Employees & Contract Workmen is shown below

Sr. No	Employees working in	Location of Demonstration	Date	Employees	Contractor Workmen
1.	NPK (K-I)	Near CD Train Control room	15.06.26	31	20
2.	NPK (K-II)	Near EF Train Control room	16.06.26	20	20
3.	Bagging	Bagging floor near Control Room	17.06.26	16	43
4.	Offsite (K-I), MRSS (K-I)	In front of Offsite (K-I) office.	18.06.26	19	48
5.	Offsite (K-II), NPK (Mech/Maint) K-II	Near NPK (Mech/Maint)-K-II office	19.06.26	06	15
6.	Mech/Maint (Offsite)	In front of Mech/Maint (Offsite)-K-I	20.06.26	04	18
7.	Ammonia Storage	New Ammonia Storage area	22.06.26	07	01
8.	Store(K-I), NPK (Mech/Maint)- K-I, Workshop, Laboratory	In front of Store (K-I)	23.06.26	16	15
9.	Elect (K-I), Inst (K-I), Auto workshop	Near Elect Work Shop (K-I)	24.06.26	16	05
10.	Nirman Bhavan, Inst (K-II) Training Center, Elect (K-II)	In front of Nirman Bhavan	25.06.26	06	05
11.	Technical Building	In front of Technical Building	26.06.26	11	00
12.	Security, Time Office, Medical	In front of Security Main Gate.	27.06.26	04	27
13.	Talwar Bhavan	In front of Talwar Bhavan	29.06.26	21	00
14.	Zinc Sulphate & Urea Phosphate, HAG K-II Plant	Between both Plant	30.06.26	07	33
15.	Contractor Shed	In front of Contractor Shed	01.07.26	00	31
16.	Mechanical PH	Near Bagging Maint office	02.07.26	08	07
		Township			
17.	Security	Main Gate	03.07.2026	00	14
18.	Estate, Electrical	Estate Office		02	00
19.	Guest House	Guest House		00	00
20.	Dispensary	Dispensary		04	15
TOTAL = 505 (198+307)				**198**	**307**

Sauhard Rawat
Dy. Manager (F&S)

INDIAN FARMERS FERTILISER COOPERATIVE LIMITED
KANDLA UNIT

SAFETY TRAINING REPORT

Safety Training was started for the employees of the Offsite Section on 19.08.2026 to 21.08.2026 in front of the Ammonia Control Room. The training was conducted in all three shifts, i.e. shifts A, B and C.

The training was conducted to provide employees with practical knowledge of the Fire & Safety equipment provided in the Ammonia Section and to demonstrate the correct method of using the equipment during emergency situations.

During the training, the operation, correct method of wearing/using the equipment and important safety precautions were explained and demonstrated. Employees were also briefed on the use of appropriate equipment during an emergency and the basic first aid measures to be followed in case of chemical exposure. The training was intended to improve the employees' familiarity with the equipment and help them take timely and appropriate action during an emergency.

Topics covered under this training are as follows:

1. Self-Contained Breathing Apparatus (SCBA)
2. Use of Fire Extinguishers
3. ABEK-1 Full Face Mask – Cartridge Type
4. Personal Escape Mask (Escape Hood)
5. Ammonia Encapsulated Gas-Tight Suit
6. Emergency Life Saving Apparatus (ELSA)
7. First Aid Measures for Chemical Exposure

Self-Contained Breathing Apparatus (SCBA)





Use of Fire Extinguishers





ABEK-1 Full Face Mask – Cartridge Type



Emergency Life Saving Apparatus (ELSA)



Ammonia Encapsulated Gas-Tight Suit





Sauhard Rawat
Dy. Manager (F&S)

Annexure XIV

Stride Green Technologies LLP

Test Report

F/OPN/12
Issue No.: 02
Page 1 of 1

Noise Measurement

Report No.	N/08/114/26-27	Date of Issue	17/08/2026
Name and address of customer	**M/s. Indian Farmers Fertilizer Co. Ltd,** Kandla Unit, Kutch, 372010.		
Discipline	Chemical	Group	Atmospheric Pollution
Sample Description	Noise Level	Sampling Location	As per Below location
Date of Sampling	12/08/2026	Time of sampling	06:00 AM to 10:00 PM 10:00 PM to 06:00 AM
Type of sampling	Ambient	Sampling By	SGT Team
Date of testing	12/08/2026	Sampling Method	IS 9989:1981
Location of test performed	At Site	Sample ID	N/08/114
Sampling plan	E/SYS/09	Environmental Condition during sampling	Clear

Equipment used for testing

Equipment Name	Sound Level Meter	Equipment Id No.	200801790
Equipment Make / Model	Metravi / SL-4015	Calibration due date	19-02-2026

Test Results

Sr. No	Name of Location	OBSERVATION			
		DAY TIME		NIGHT TIME	
		dB(A)	Norms dB(A)	dB(A)	Norms dB(A)
1.	Nr. Main Gate	72.4	75	66.9	70
2.	Nr. STP	68.2	75	63.8	70
3.	Nr. Admin Building	60.0	75	56.8	70
4.	Nr. Boiler	71.8	75	65.4	70
5.	Nr. Training Centre	64.6	75	62.5	70
6.	Nr. R & D Lab	65.8	75	61.0	70
7.	Nr. Coal Storage Area	63.2	75	57.5	70

Remarks →

- Test results relates to the sample tested only.
- Test Report shall not be reproduced except in full, without written approval of the Laboratory.

Mr. Jignesh Prajapati		Mr. Love Patadiya
Chemist		Quality Manager
Tested By		Reviewed and Approved By

Stride Green Technologies LLP

---------- End of Test Report ----------

ANNEXURE-XV

IFFCO
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KANDLA UNIT

इंडियन फार्मर्स फर्टिलाइजर कोऑपरेटिव लिमिटेड
INDIAN FARMERS FERTILISER CO-OPERATIVE LIMITED

Dated: 05.03.2024

To,
The District Collector,
Collector's Office, Bhuj- Kutch.

Reference:
Environment Clearance by MoEF&CC vide Letter No. J-11011/202/2009-IA-II(I) dated 27.02.2024.

Subject: Request to display of Environment Clearance vide Letter No. J-11011/202/2009-IA-II(I) dated 27.03.2024 granted for "Proposed addition of Nano-Fertiliser (Nano DAP) in existing Fertiliser Unit with production capacity of 36500 kL per year located at Kandla Unit at P.O. Box No. 12, Kandla, District -Kutch, Gujarat by M/s Indian Farmers Fertiliser Cooperative (IFFCO) under the provision of the EIA Notification 2006-regarding.

Respected Sir/Madam,

We wish to inform you that MoEF&CC has granted Environment Clearance vide Letter No. J-11011/202/2009-IA-II(I) dated 27.03.2024. As per the directive of this clearance, General Conditions clause no. 32, the clearance letter is to be displayed for 30 days from the date of receipt and the same is being attached. It is also available at Ministry Website- https://parivesh.nic.in.

Hence, we hereby earnestly request to kindly display the same.

Thanking You,
Yours Faithfully,

Authorized Signatory
Indian Farmers Fertiliser Cooperative (IFFCO)

A.K. SHARMA
EXECUTIVE DIRECTOR
INDIAN FARMERS FERTILISER COOPERATIVE LTD.
KANDLA (KUTCHCHH) GUJARAT-370210 (INDIA)

06/03/2024
રજીસ્ટ્રી (આવક) શાખા.
કલેક્ટર કચેરી.
ભુજ-કચ્છ.

IFFCO
Wholly owned by Cooperatives
KANDLA UNIT

इंडियन फार्मर्स फर्टिलाइजर कोऑपरेटिव लिमिटेड
INDIAN FARMERS FERTILISER CO-OPERATIVE LIMITED

Dated: 05.03.2024

To,
The General Manager,
District Industry Centre,
Bhuj- Kutch.

Reference:
Environment Clearance by MoEF&CC vide Letter No. J-11011/202/2009-IA-II(I) dated 27.02.2024.

Subject: Request to display of Environment Clearance vide Letter No. J-11011/202/2009-IA-II(I) dated 27.03.2024 granted for "Proposed addition of Nano-Fertiliser (Nano DAP) in existing Fertiliser Unit with production capacity of 36500 kL per year located at Kandla Unit at P.O. Box No. 12, Kandla, District -Kutch, Gujarat by M/s Indian Farmers Fertiliser Cooperative (IFFCO) under the provision of the EIA Notification 2006-regarding.

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Yours Faithfully,

Authorized Signatory
Indian Farmers Fertiliser Cooperative (IFFCO)

A.K. SHARMA
EXECUTIVE DIRECTOR
INDIAN FARMERS FERTILISER COOPERATIVE LTD
KANDLA (KUTCHCHH) GUJARAT-370210 (INDIA)

IFFCO
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KANDLA UNIT

इंडियन फार्मर्स फर्टिलाइजर कोऑपरेटिव लिमिटेड
INDIAN FARMERS FERTILISER CO-OPERATIVE LIMITED

Dated: 05.03.2024

To,
The District Development Officer,
Bhuj- Kutch.

Reference:
Environment Clearance by MoEF&CC vide Letter No. J-11011/202/2009-IA-II(I) dated 27.02.2024.

Subject: Request to display of Environment Clearance vide Letter No. J-11011/202/2009-IA-II(I) dated 27.03.2024 granted for "Proposed addition of Nano-Fertiliser (Nano DAP) in existing Fertiliser Unit with production capacity of 36500 kL per year located at Kandla Unit at P.O. Box No. 12, Kandla, District -Kutch, Gujarat by M/s Indian Farmers Fertiliser Cooperative (IFFCO) under the provision of the EIA Notification 2006-regarding.

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Yours Faithfully,

Authorized Signatory
Indian Farmers Fertiliser Cooperative (IFFCO)

A.K. SHARMA
EXECUTIVE DIRECTOR
INDIAN FARMERS FERTILISER COOPERATIVE LTD.
KANDLA (KUTCHCHH) GUJARAT-370210 (INDIA)

6/3/24
આવક કારકુન
કંડલા પંચાયત, કચ્છ-ભુજ

ANNEXURE-XV

IFFCO
Wholly owned by Cooperatives
KANDLA UNIT

इंडियन फार्मर्स फर्टिलाइजर कोऑपरेटिव लिमिटेड
INDIAN FARMERS FERTILISER CO-OPERATIVE LIMITED

Dated: 05.03.2024

To,
The Taluka Development Officer,
Gandhidham, District -Kutch.

Reference:
Environment Clearance by MoEF&CC vide Letter No. J-11011/202/2009-IA-II(I) dated 27.02.2024.

Subject: Request to display of Environment Clearance vide Letter No. J-11011/202/2009-IA-II(I) dated 27.03.2024 granted for "Proposed addition of Nano-Fertiliser (Nano DAP) in existing Fertiliser Unit with production capacity of 36500 kL per year located at Kandla Unit at P.O. Box No. 12, Kandla, District -Kutch, Gujarat by M/s Indian Farmers Fertiliser Cooperative (IFFCO) under the provision of the EIA Notification 2006-regarding.

Respected Sir/Madam,

We wish to inform you that MoEF&CC has granted Environment Clearance vide Letter No. J-11011/202/2009-IA-II(I) dated 27.03.2024. As per the directive of this clearance, General Conditions clause no. 32, the clearance letter is to be displayed for 30 days from the date of receipt and the same is being attached. It is also available at Ministry Website- https://parivesh.nic.in.

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Yours Faithfully,

Authorized Signatory
Indian Farmers Fertiliser Cooperative (IFFCO)

A.K. SHARMA
EXECUTIVE DIRECTOR
INDIAN FARMERS FERTILISER COOPERATIVE LTD
KANDLA (KUTCHCHH) GUJARAT-370210 (INDIA)

ISO 9001:2015
ISO 14001:2015
ISO 45001:2018
ISO 50001:2018
BUREAU VERITAS Certification

કાંડલા ઇકાઈ / Kandla Unit, कांडला / Kandla, कच्छ / Kutch, (ગુજરાત) / (Gujarat) - 370 210.
फोन / Phones : 02836 - 254000, 270381, 270382, फेक्स / Fax : 028036 - 270642
E-mail : iffco_kandla@iffco.in • Website : www.iffco.in • IFFCO_PR • IFFCO.COOP

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इंडियन फार्मर्स फर्टिलाइजर कोऑपरेटिव लिमिटेड
INDIAN FARMERS FERTILISER CO-OPERATIVE LIMITED

Dated: 05.03.2024

To,
RO-Integrated Regional Office,
Ministry of Environment, Forest and Climate Change,
Room No. 407, Aranya Bhawan, Near CH-3 Circle,
Sector-10 A, Gandhinagar, Gujarat-382010.

Reference:
Environment Clearance by MoEF&CC vide Letter No. J-11011/202/2009-IA-II(I) dated 27.02.2024.

Subject: Request to display of Environment Clearance vide Letter No. J-11011/202/2009-IA-II(I) dated 27.03.2024 granted for "Proposed addition of Nano-Fertiliser (Nano DAP) in existing Fertiliser Unit with production capacity of 36500 kL per year located at Kandla Unit at P.O. Box No. 12, Kandla, District -Kutch, Gujarat by M/s Indian Farmers Fertiliser Cooperative (IFFCO) under the provision of the EIA Notification 2006-regarding.

Respected Sir/Madam,

We wish to inform you that MoEF&CC has granted Environment Clearance vide Letter No. J-11011/202/2009-IA-II(I) dated 27.03.2024. As per the directive of this clearance, General Conditions clause no. 32, the clearance letter is to be displayed for 30 days from the date of receipt and the same is being attached. It is also available at Ministry Website- https://parivesh.nic.in.

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Yours Faithfully,

Authorized Signatory
Indian Farmers Fertiliser Cooperative (IFFCO)

A.K. SHARMA
EXECUTIVE DIRECTOR
INDIAN FARMERS FERTILISER COOPERATIVE LTD.
KANDLA (KUTCH,GUJ) GUJARAT-370210 (INDIA)

ISO 9001:2015
ISO 14001:2015
ISO 45001:2018
ISO 50001:2018
BUREAU VERITAS Certification

कांडला इकाई / Kandla Unit, कांडला / Kandla, कच्छ / Kutch, (गुजरात) / (Gujarat) - 370 210.
फोन / Phones : 02836 - 254000, 270381, 270382, फैक्स / Fax : 028036 - 270642
E-mail : iffco_kandla@iffco.in • Website : www.iffco.in • IFFCO_PR • IFFCO.COOP

Annexure XVI

IFFCO
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KANDLA UNIT

इंडियन फार्मर्स फर्टिलाइजर कोऑपरेटिव लिमिटेड
INDIAN FARMERS FERTILISER CO-OPERATIVE LIMITED

09.04.2026

To,
Unit Head (Kutch District),
Gujarat Pollution Control Board,
Paryavaran Bhavan, Sector 10A,
Gandhinagar - 382010

Sub: Environmental Statement in Form-V for the year ending 31st March-26

Dear Sir,

With reference to the subject matter, please find enclosed herewith the Environmental Statement for the period from 1st April-2025 to 31st March-2026, in the prescribed Form-V, complete in all respects, in compliance with Rule 14 of the Environment (Protection) Amendment Rules, 1992.

Hope you will find the same in order.

Thanking you,

Yours faithfully,
For Indian Farmers Fertilizer Cooperative Limited,

Rajesh Ruhela
General Manager (Technical)

Encl: as above

Cc: The Regional Office (Kutch-East)

कांडला इकाई / Kandla Unit, कांडला / Kandla, कच्छ / Kutch, (गुजरात) / (Gujarat) - 370 210.
फोन / Phones : 02836 - 254000, 270381, 270382, फेक्स / Fax : 028036 - 270642
E-mail : iffco_kandla@iffco.in • Website : www.iffco.in • IFFCO_PR • IFFCO.COOP

IFFCO
Wholly owned by Cooperatives
Kandla Unit

FORM -V

(as per rule 14 of The Environment (Protection) Rules, 1986)

Environmental Statement for the financial year ending the 31st March 2026

PART - A

(i) Name and address of the Owner/ occupier of the Industry, operation or Process.	: **INDIAN FARMERS FERTILISER CO-OP. LTD. KANDLA UNIT, KUTCH DISTRICT P.O. KANDLA, GUJARAT - 370 210.**
(ii) Industry Category Primary - (STC code)	:
Secondary - (SIC code)	: State Industries Commissionerate Code = 041100300 00.
(iii) Production Capacity (in terms of MT of P_2O_5)	: 910,000 MTPA
(iv) Year of establishment	: 1974
(v) Date of the last Environmental Statement submitted	: 15th April 2025

PART - B

Water and Raw Material consumption

(i) Water consumption in m^3/day & consumption per MT of product:

Water consumed in	Water consumption in m^3/day	
	During the previous Financial year 2024-25	During the current Financial Year 2025-26
Process	756	610
Cooling	120	120
Domestic	230	230
Total	**1106**	**960**

Name of the products	Water consumption per MT of product	
Phosphatic Fertilisers of the following grades	During the previous Financial year 2024-25	During the current Financial Year 2025-26
Grade 10:26:26	0.124628	0.099411
Grade 12:32:16	0.138701	0.126070
DAP 18:46:00	0.176371	0.166298

(ii) Raw Material Consumption:

a) Consumption during the Financial Year 2024-25:

Raw Materials	Products	Unit	Consumption per MT of product		
			10:26:26	**12:32:16**	**18:46:00**
Phos. acid (as 100 % P_2O_5)	**NPK 10:26:26**	MT	0.2616	0.3217	0.4622
Ammonia		MT	0.1163	0.1385	0.2113
MAP	**NPK 12:32:16**	MT	-	-	0.0005
Urea		MT	0.0107	0.0148	0.0155
Potash	**DAP 18:46:00**	MT	0.4369	0.2687	-
Filler		MT	0.0255	0.0440	0.0268
Sulphuric acid		MT	0.0099	0.0126	0.0114

b) Consumption during the Current Financial Year 2025-26:

Raw Materials	Products	Unit	Consumption per MT of product		
			10:26:26	**12:32:16**	**18:46:00**
Phos. acid (as 100 % P_2O_5)	**NPK 10:26:26**	MT	0.2638	0.3247	0.4666
Ammonia		MT	0.1151	0.1367	0.2110
MAP	**NPK 12:32:16**	MT	-	-	-
Urea		MT	0.0133	0.0186	0.0171
Potash	**DAP 18:46:00**	MT	0.4377	0.2694	-
Filler		MT	0.0311	0.0440	0.0324
Sulphuric acid		MT	0.0091	0.0101	0.0092

PART - C

(i) Pollution Discharged to the Environment / Unit of output: (Parameters are as specified in the consent issued) for 2025-26:

Pollutant	Nature	Parameter	Limit as specified in the Consent Order	Quantity of pollutant discharged (kgs/day)	Actual Avg. concentration of pollutants in discharge (mg/L)	Percentage variation from prescribed standard with reasons
(1)	(2)	(3)	(4)	(5)	(6)	(7)
(a) Water	Industrial Effluents	Nil	Not Applicable	Not Applicable	Not Applicable	Not Applicable
(b) Water	Domestic Sewage Water	pH	5.5 – 9.0	Treated domestic water of around 200 to 250 m^3/day is reused in the process and for horticulture purpose.	6.9	-
		Biological Oxygen Demand (BOD)	10 mg/L		8.1	Concentration of pollutants in treated domestic sewage water are well within the specified limits
		Total Suspended Solids (TSS)	20 mg/L		16.6	
		Chemical Oxygen Demand (COD)	50 mg/L		40.8	
		Nitrogen-Total	10 mg/L		8.9	
		Fecal Coliform	Desirable 100 MPN/100 ml, Permissible 230 MPN/100 ml		0	

Note: 1. Actual concentration of all the pollutants are well within the limits specified in the Common Consent Order issued by GPCB.

2. Concentration of pollutants as shown in Col. (6) are averages taken from the monthly analysis reports that are submitted regularly to GPCB.

Air Emission details for the NPK Process Plant Stack and the Boiler Stack for 2025-26:

Pollutants	Nature	Parameters	Limits as specified in the Consent Order	Actual Quantity of pollutants in Air emissions (MT/day)	Actual Concentration of pollutants in Air emissions (mg/NM^3)	Percentage variation from prescribed standard with reasons
(1)	(2)	(3)	(4)	(5)	(6)	(7)
(c) Air	Emissions from Process plant stacks	Ammonia (mg/NM^3)	175	1.00	26.35	Concentration of all the pollutants in air emissions are well within the specified limits
		SPM (mg/NM^3)	150	2.22	57.37	
		Fluorides (mg/NM^3)	10	0.06	1.49	
	Emission from Boiler Stack	SPM (mg/NM^3)	150	0.0915	127.04	
		SOx (ppm)	100	0.1205	63.89	
		NOx (ppm)	50	0.0560	41.36	

Note : 1. Actual concentration of all pollutants are well within the limits specified in the Consent Order issued by GPCB.

2. Concentration of pollutants as shown in Col. (6) are averages taken from the monthly analysis reports that are submitted regularly to GPCB.

PART - D

Hazardous Wastes

(as specified under the Hazardous Wastes Management & Handling Amendment Rules, 2002).

Hazardous wastes	Total quantity generated in Liters	
	During the previous Financial year 2024-25	During the current Financial Year 2025-26
(a) From process plant	Not applicable	Not applicable
(b) From pollution control facilities	Not applicable	Not applicable
(c) From use of lubricating, system & transformer oil. Total stock as on 31st March	8.973 MT of spent oil generated and the stock as on 31.03.2025 is 1.910 MT. 8.018 MT of spent oil is completely used internally in lubrication of Flight conveyors in NPK/DAP plant, Slat conveyors in Bagging plant and Railway siding etc.	9.490 MT of spent oil generated and the stock as on 31.03.2026 is 1.600 MT. 9.800 MT of spent oil is properly disposed off through GPCB registered recycler.

PART - E

Solid Wastes

Solid wastes	Total quantity generated in Kgs.	
	During the previous financial year	During the current financial year
(a) From process plant	No solid mud on dry basis has been generated from the manufacturing of Zinc Sulphate monohydrate plant as the plant is shutdown.	No Solid Waste has been generated from the process plant during the current financial year.
(b) From pollution control facilities	Dried sludge consisting of only organic matter, obtained from the domestic sewage treatment plant. Maximum quantity generated is approximately 7 kgs/day.	
(c) Quantity recycled or re-used	Entire quantity of sludge from domestic sewage treatment plant is dried in sludge drying beds and dried sludge is used as manure for horticulture within the factory premises.	
(d) Quantity sold	Nil	
(c) Quantity disposed	EC & CTE for modernisation of existing Zinc Sulphate Plant to proposed Nano NPK plant have been granted. In view of the above, a total of 131.84 MT of Zinc Ash (Raw Material for Zinc Sulphate) was returned to GPCB Registered Recycler, M/s GG Manufacturer during the year 2025-26.	

PART - F

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

Hazardous Wastes : Used oil comprising of lubricating system & transformer oil which is generated from routine maintenance activity is properly disposed off through GPCB registered recycler.

Solid Waste from process plant : Spent Ion Exchange Resin generated from DM water plant is properly disposed to GPCB registered TSDF operators.

From pollution control facilities : Dry domestic sewage sludge is periodically removed from the sludge drying beds and used as manure or for landfill purposes within the factory premises. This consists of only dry organic matter. Maximum quantity of sludge generated is approximately 7 kgs/ day.

PART - G

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

Better operation and control practices, modernization of instrumentation system i.e. installation of Distribution Control System (DCS) and installation of additional scrubber in the oldest stream has helped in reducing the ammonia & particulate matter emission thereby improving the recovery of nutrients, as a result consumption efficiency of raw materials has improved. Emissions of ammonia from stacks have been reduced considerably. This has been achieved by carrying out minor modifications in the scrubbing system, proper maintaining of process parameter & removing bottlenecks, thereby recovering valuable nutrients from the stack gases. It has also helped in reducing the fertiliser dust emissions.

During operation of the plant all efforts are taken to minimize waste generation and for preservation of resources. Spillages from all around the plant are collected in a central sump and recycled back to the process. The sludge containing nutrients that settles in the network of drains is also recovered and recycled into the process as it contains valuable fertiliser nutrients.

IFFCO Kandla is first industry in Gujarat for implementing the online continuous Emission Monitoring System for ammonia in stack of all six streams. HF monitoring system has also been installed and commissioned in all trains. This has helped in control of scrubber operations. PTZ (Pan Tilt Zoom) camera & flowmeter have been installed in the trench for monitoring/viewing effluent discharge. It has been commissioned and connected to CPCB server.

Treated domestic sewage water is used for gardening purpose and this has helped in reducing the total quantity of water that has to be purchased. This also helps in conservation of water in this region of scarcity.

Green Belt Development: The company has endeavored in maintaining eco-balance by way of tree plantation within the plant premises and development of green belt all around the plant. Extensive plantation is carried out every year, however the survival rate of plants are very low. On going efforts are made to plant additional trees every year. The up-gradation and capacity increase of the domestic sewage treatment plant has helped in increasing greenery within the factory premises by making available sufficient amounts of treated water, which is very scarce in this region. Dry sewage sludge is used for the trees and is helping in reducing the problem of high soil salinity.

Regular monitoring of noise is carried out at various locations in the plant. These measurements show that the noise levels are within the specified limits, wherever the noise levels are high special protective equipment like ear muffs are provided to all persons working in the area.

Scrap materials of various types are reclaimed from various locations in the plant and then stacked properly in its designated place and is disposed off through M/s. Mjunction.

Training programmes are conducted all round the year and training is imparted to all employees on Environment Management System, Environment Protection and Prevention of Pollution.

PART - H

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

Investment towards environment protection has been done in the development of green areas within the factory premises as well as in the surrounding areas of the city by planting of trees.

Other expenditure towards environmental protection and abatement of pollution is incurred for maintenance of equipment and periodic replacements at the domestic sewage water treatment plant and of pollution control equipment in the process plant.

Third Party Environment Audit is carried out annually through an auditor recognized by GPCB for this purpose as per the directives of the Hon. Gujarat High Court & directives from GPCB. The Audit reports are submitted to GPCB.

PART - I

Any other particulars for improving the quality of the environment.

(a) ISO Certification:

IFFCO Kandla unit has designed an Environment Management System according to International standard. IFFCO Kandla unit is certified for Integrated Management System (IMS) combining the Quality Management System (ISO 9001:2015), Environment Management System (ISO 14001:2015), Occupational Health & Safety Management System (ISO 45001:2018) and Energy Management System (ISO 50001:2018). Our Environment Policy contains the principle of compliance with all environmental legislations.

The salient features of the Environment Management System are as follows:

1. To implement appropriate Environment Management System.
2. To comply with all applicable environmental and other legislation and endeavor to improve upon them in a prudent manner with good business sense.
3. To promote sustainable development through better operating practices that would reduce pollution, minimize waste and optimize utilization of resources.

IFFCO
Wholly owned by Cooperatives
Kandla Unit

(b) Efforts to Conserve Water :

1. The Kutch district where Kandla plant is located suffers from perennial water shortage. Hence IFFCO takes all measures to reduce the consumption of water. It also undertakes various projects to ease the problem of scarce water availability. In order to reduce the water consumption and yet to maintain the greenery at the plant site and township, schemes for reuse of treated domestic sewage water at plant and township was envisaged and implemented successfully.

2. Rain water recharging well has been built at the township with a storage pond for conserving rain water which have been effective in reducing the salinity in the underground water table in the township and its neighboring areas.

3. Construction of Check Dams: A number of check dams in various villages have been constructed to avoid the flow of rain water to the sea in this region of scarce water. The purpose of the check dam is to reduce the salinity of the ground water, improve the ground water table, and make water available to the villagers even after the monsoon season is over.

4. Rain water storage pond of capacity 3,300 M^3 and 20,000 M^3 has been constructed at IFFCO Township to avoid channeling of water and to maintain water table of the area.

5. Providing / maintenance of drinking and irrigation water lines at Panthia village adopted by IFFCO under the village adoption programmes, so that it can be better utilized & wastage of water is minimized.

Date: 09.04.2026
Place: Kandla

Rajesh Ruhela
General Manager (Technical)

તા.૦૧-૦૩-૨૦૨૪

કચ્છ મિત્ર

IFFCO

::: જાહેર સૂચના :::

તમામ સંબંધિત વ્યક્તિઓને આથી જાણ કરવામાં આવે છે કે પ્રોજેક્ટ "પ્રસ્તાવિતનેનો ખાતર(નેનો ડીએપી) હાલના ખાતર એકમમાંપ્રતિ વર્ષ 36500 KL ઉત્પાદન ક્ષમતા ધરાવતાનો પ્રસ્તાવિત ઉમેરો બોકસ નંબર 12, કંડલા, જિલ્લો-કચ્છ, ગુજરાત મેસર્સ ઇન્ડિયન ફાર્મર્સ ફર્ટિલાઇઝર કો.ઓપરેટીવ લિમિટેડ (IFFCO)" F.No. J-11011/202/2009-IA.II(I) દ્વારા પર્યાવરણીય મંજૂરી, 27મી ફેબ્રુઆરી 2024, પર્યાવરણ, વન અને આબોહવા પરિવર્તન મંત્રાલય, ભારત સરકાર દ્વારા આપવામાં આવી છે અને મંજૂરી પત્રની નકલો MoEF&CC પાસે ઉપલબ્ધ છે અને તે અહીં પણ જોઈ શકાય છે https://parivesh.nic.in/.

ANNEXURE-XVII

ગુજરાત સમાચાર

શનિવાર, ૨ માર્ચ,

જાહેર સૂચના

તમામ સંબંધિત વ્યક્તિઓને આથી જાણ કરવામાં આવે છે કે પ્રોજેકટ 'પ્રસ્તાવિત નેનો ખાતર (નેનો ડીએપી)હાલના ખાતર એકમમાંપ્રતિ વર્ષ 36500 KL ઉત્પાદનક્ષમતાધરાવતાનો પ્રસ્તાવિત ઉમેરોબોક્સ નંબર 12. કંડલા, જિલ્લો-કચ્છ, ગુજરાત મેસર્સ ઇન્ડિયન ફાર્મર્સ ફર્ટિલાઇઝર કોઓપરેટિવ લિમિટેડ (IFFCO)' ને F.No. J-11011/202/2009-IA.II(I) દ્વારા પર્યાવરણીય મંજૂરી, 27મી ફેબ્રુઆરી 2024, પર્યાવરણ, વન અને આબોહવા પરિવર્તન મંત્રાલય, ભારત સરકાર દ્વારા આપવામાં આવી છે અને મંજૂરી પત્રની નકલો MoEF&CCપાસે ઉપલબ્ધ છે અને તે અહીં પણ જોઈ શકાય છે.
https://parivesh.nic.in/

ANNEXURE-XVII

શનિવાર, તા. ૦૨-૦૩-૨૦૨૪

પત્ર નહીં મિત્ર

કચ્છમિત્ર

જાહેર સૂચના

તમામ સંબંધિત વ્યક્તિઓને આથી જાણ કરવામાં આવે છે કે પ્રોજેક્ટ "પ્રસ્તાવિત નેનો ખાતર (નેનો ડીએપી) હાલના ખાતર એકમમાં પ્રતિ વર્ષ 36500 KL ઉત્પાદન ક્ષમતા ધરાવતાનો પ્રસ્તાવિત ઉમેરો બોક્સ નંબર ૧૨, કંડલા, જિલ્લો-કચ્છ, ગુજરાત મેસર્સ ઈન્ડિયન ફાર્મર્સ ફર્ટિલાઈઝર કોઓપરેટિવ લિમિટેડ (IFFCO)" ને F.NO. J-11011/202/2009-IA.II(I) દ્વારા પર્યાવરણીય મંજૂરી, ૨૭મી ફેબ્રુઆરી ૨૦૨૪, પર્યાવરણ, વન અને આબોહવા પરિવર્તન મંત્રાલય, ભારત સરકાર દ્વારા આપવામાં આવી છે અને મંજૂરી પત્રની નકલો MoEF&CC પાસે ઉપલબ્ધ છે અને તે અહીં પણ જોઈ શકાય છે https://parivesh.nic.in/.

ANNEXURE-XVII

THE TIMES OF INDIA, AHMEDABAD/RAJKOT
SATURDAY, MARCH 2, 2024

PUBLIC NOTICE

All the concerned persons are hereby informed that the project "**Proposed addition of Nano-fertilizer (Nano DAP) in existing Fertilizer unit with production capacity of 36500 KL per year located at Kandla Unit at P.O. Box No. 12, Kandla, District-Kutch, Gujarat by M/s Indian Farmers Fertiliser Cooperative Limited (IFFCO)**" has been accorded environmental clearance vide **F.No. J-11011/202/2009-IA.II(I)** dated **27th February 2024** by the Ministry of Environment, Forest & Climate Change, GoI and copies of the clearance letter are available with the MoEF&CC and may also be seen at Website of the Ministry at https://parivesh.nic.in/.

ANNEXURE-XVII

WWW.INDIANEXPRESS.COM
THE INDIAN EXPRESS, SATURDAY, MARCH 2, 2024

PUBLIC NOTICE

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