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INDIAN FARMERS FERTILISER COOPERATIVE LIMITED
KALOL UNIT

EPC / 02 /3003 Date 23.10.2026

To,

Ministry of Environment, Forest & Climate Change
Regional Office, Aranya Bhavan,
Sector – 10/A, Gandhinagar,
Gujarat - 382010

Kind Attn.: **Dr. Yogesh Kumar,**
Dy Director (S) / Scientist "C", IRO-Gandhinagar

Sub: Submission of Six-monthly Compliance Report of the Environmental conditions stipulated in Environmental clearance letter for proposed "Expansion/Modernization of the Fertilizer Plant at Plot no. 712/846, 855, 856 of Saij, 17-37 of Dhanaj, Kasturinagar, Kalol, District- Gandhinagar, Gujarat by M/s Indian Farmers Fertiliser Cooperative Limited.

Ref: EC F. No. J-11011/60/2009-IA-II(I) dtd 1.2.2021, 24.8.2021,7.3.2023 & 16.4.2024

Dear Sir,

IFFCO - Kalol unit has obtained Environmental Clearance(EC) from MoEF&CC vide F. No. J-11011/60/2009-IA-II(I) dtd 1.2.2021, 24.8.2021, 7.3.2023 & 16.4.2024 for (1) the expansion / modernization of the fertiliser plant (2) Expansion of fertiliser plant by installation of new nano urea plant (3) Expansion of Existing Fertilizer Plant for Manufacturing Nano Fertilizer and Nano Micronutrients (4) Expansion and Modernisation of Existing Fertilizer Plant for Manufacturing Nano Fertilizer and Nano Micronutrients at Plot no. 712/846, 855, 856 of Saij, 17-37 of Dhanej, Kasturinagar, Kalol, District- Gandhinagar, Gujarat.

In this context, as per the conditions laid down in the Environmental Clearance letter, please find attached herewith Six-monthly Compliance report along with all the requisite annexures as per the guidelines of the MoEF&CC.

Thanking You,

Yours Faithfully,
For, IFFCO-Kalol unit

(P. K. Singh)
Sr. General Manager

Encl.: As above

CC: 1) Member Secretory, GPCB, Gandhi Nagar
2) Regional Director, Zonal Office (West), CPCB, Vadodara

Phone: 079 23282005
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Website Address: www.iffco.in

IFFCO
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IFFCO Kalol Unit

SIX MONTHLY COMPLIANCE REPORT

Environmental Clearance Vide F. No. J-11011/60/2009-IA-II(I) dated 16.04.2024, dated 07.03.2023, dated 24.08.2021 and dated 01.02.2021

Submitted By:

IFFCO
Wholly owned by Cooperatives
IFFCO Kalol Unit

INDIAN FARMERS FERTILISER COOPERATIVE LIMITED

Kalol Unit, Plot no. 712/846, 855, 856 of Saij, 17 - 37 of Dhanej,
Kasturinagar, Kalol GIDC, District: Gandhinagar,
Gujarat

IFFCO Kalol Unit

Subject: Expansion and Modernization of Existing Fertilizer Plant for Manufacturing Nano Fertilizer and Nano Micronutrients at IFFCO Kalol Unit

(Reference: Ministry letter No. F. No. J-11011/60/2009 – IA – II (I) dtd. 16.04.2024)

Environmental clearance letter is attached as **Annexure - IA.**

TABLE: 1

Sr. No.	Condition	Compliance Status
A. Specific Conditions		
i)	As proposed, the manufacturing process of nano-fertilizer plant is a closed loop reactor vessel setup with regulated control and steam being produced in the existing plants is being used for operation of plant. Stack of adequate height shall be provided to Additional gas fired LP Boiler of 6 TPH for Nano Fertiliser plant. Stack of adequate height shall be provided to additional DG set of 2x250 KVA as per CPCB guidelines.	• The manufacturing process of nano-fertilizer plant is fully closed loop reactor vessel setup with regulated control system and steam produced in the existing urea plant is used for operation in Nano fertiliser plant. • If required, additional gas fired LP Boiler of 6 TPH for Nano fertiliser plant shall be installed along with stack of adequate height. • Stack of adequate height has been provided to additional DG set of 2 x 250 KVA as per CPCB guidelines.
ii)	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.	The scrubbing media (DM Water) from Ammonia Scrubber(V-1207) is reused in the process. Efficiency of scrubber has been monitored regularly and maintained properly. The emission level is within the prescribed standards. Latest analysis report pertaining to gaseous emission of Ammonia Scrubber (V - 1207) issued by M/s Stride Green Technologies LLP, Indrad, Kadi, Mehsana (NABL accredited Lab) is attached as Annexure – I.
iii)	Total fresh water requirement from Sardar Sarovar Narmada Nigam Ltd. shall not exceed 10665 KLD after expansion in Phase - I without CDR and 11089 KLD in Phase – II with CDR.	Total freshwater requirement is as per EC No F.J-11011/60/2009-IA-II(I) dtd 16.4.2024 and same is well within the prescribed limit of 10665 KLD (in Phase I) at IFFCO Kalol. Average daily freshwater consumption for the period April 2026 to September 2026 is 9828 m^3/day. Also, as per Charter on "Corporate Responsibility for Environment Protection (CREP), limit of specific water consumption fixed for gas-based fertilizer plants is 8 m^3/ MT of urea. Specific water consumption for the period from April 2026 to September 2026 is 5.84 m^3/MT. Same is also within the prescribed limit. The unit is having valid agreement with M/s Sardar Sarovar Narmada Nigam Ltd (SSNNL) for supply of Narmada Canal Water and is valid up to 21/02/2031.

Sr. No.	Condition	Compliance Status
iv)	NOC from the Concerned Local authority shall be obtained before start of the construction of plant and drawing of the surface water for the project activities, State Pollution Control Board / Pollution Control Committees 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.	CTE No. 72249 dated 29/04/2024 obtained from GPCB for Expansion and Modernisation of Existing Fertiliser Plant for Manufacturing Nano Fertilizer and Nano Micronutrients. CTO / Amendment to CCA No GPCB/CCA-GNR-95(13)/ID-16444/824312 dated 14.10.2024 with validity up to 10.3.2028, obtained from GPCB.
v)	The total wastewater generation after expansion in Phase I and Phase II of the fertilizer complex shall not exceed 1492 KLD and 1560 KLD respectively. Out of which, effluent generation from nano fertilizer plant shall not exceed 35 KLD. Effluent from nano fertilizer plant shall be treated in the ETP of 35 KLD comprising MEE, Stripper and ATFD have a capacity of 25 KLD. Sewage Treatment Plant (Capacity 30 KLD) based on MBR Technology has been installed in the Nano fertilizer plant. Treated effluent from above said ETPs & STP shall be recycled/reused within plant premises and there shall be no discharge of wastewater outside and thus establishing ZLD within the project site.	Total waste water generation is as per EC No File No. J-11011/60/2009-IA-II(I) dtd 16.4.2024 which is well within the prescribed limit of 1492 KLD (in Phase I) at IFFCO Kalol. Average daily waste water generation for the period April 2026 to September 2026 is 1226 KLD. Treated effluent from above said ETPs & STP has been recycled/reused within plant premises for gardening/ green belt development and there is no discharge of wastewater outside the Plant premises. Certificate as received from Agricultural University for utilisation of treated water for gardening / green belt development within the plant premise is attached herewith as Annexure – I #.

Sr. No.	Condition	Compliance Status
vi)	The PP shall develop greenbelt of at least 10 m width over an area of 33.43 ha within the project site mainly along the plant periphery, preferably within a year of the grant of EC. Adequate tree saplings selected for the plantation should be of sufficient height, preferably 6-ft shall be planted in greenbelt area. 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.	Complied, Existing Green area (including Lawns, Green Belt Area {tree bearing area}) at IFFCO Kalol complex is 47.575 Ha which is 49.65 % of total area of 95.5 Ha covered under green belt. The cumulative numbers of native species of tree saplings planted within and nearby areas is 91810 nos. Aerial view showing green belt area in the complex is attached as Annexure - XXIII.
vii)	A separate Environmental Management Cell (having qualified person with Environmental Science/Environmental Engineering/specialization in the project area) equipped with full-fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions. 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.	Yes, IFFCO Kalol is having separate Environment & Pollution Control Dept. headed by Jt. GM (EPC) with Chemical Engg / Environmental Science & Engg. qualified staff. Unit has full-fledged laboratory facilities with set up to carry out the environmental management / monitoring functions. Details of EMC along with details of person engaged and Statement of amount spent towards the engagement of qualified persons in EMC along with details of person engaged attached herewith as Annexure – II.

Sr. No.	Condition	Compliance Status
viii)	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 already spent under EMP is 5898.1 lakhs (Capital cost) and 1660.5 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.	IFFCO - Kalol unit complies with all environmental protection measures and safeguards proposed in EIA Report. All the recommendations made in the EIA/EMP in respect of environmental management, and risk mitigation measures relating to the project have been implemented. In order to execute EMP such as Installation of Effluent Treatment System (ETS) and Plantation of tree saplings, separate budget was allocated under Capital budget code 6220101 and same was utilized for execution of project. Also, revenue budget for operation of ETS and AMC for maintenance of trees samplings has been allocated & utilised for the year 2026 – 27. With reference to the status of proposed EMP, details are as under. 1) For the plantation of 40000 nos. of tree saplings, work order No 5605/ 221004240365 dated 24.08.2023 was issued to M/s Heartyculture Natural Products LLP, Ranga Reddy Dist., Telangana. (Also, pl refer compliance status vide Condition No vi of EC dated 16.04.2024) 2) As a part of supply and installation of Effluent Treatment System (ETS) - ZLD Package for treatment of 35 m3/day of effluent at Nano expansion project, Purchase order No 5605/ 221004230623 dated 6.2.2023 was issued to M/s Tevoren Technologies LLP, Ahmedabad. The photographs of ETS installed at site are attached as Annexure – I c. 3) In order to execute EMP such as Installation of Effluent Treatment System (ETS) and Plantation of 40000 nos. of tree saplings, separate budget was allocated under Capital budget code 6220101 for utilisation to execute the project. Also, revenue budget for operation of ETS and AMC for maintenance of trees samplings has been allocated and utilised for the year 2026 – 27.
ix)	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.	Noted & agreed

Sr No	Condition	Compliance Status
x)	The project proponent shall comply with the environment norms for fertiliser 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.	IFFCO - Kalol unit complies with all environmental norms for Fertiliser 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. Report for the period April 2026 to September 2026 submitted to HO, IFFCO for on-word transmission to Ministry of Chemicals and Fertilisers is attached as Annexure – III.
xi)	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.	IFFCO is one of India's biggest cooperative societies which is wholly owned by Indian Cooperatives. IFFCO has been diligent to make its plants energy efficient and continuously works to conserve energy. IFFCO Kalol Unit is among India's oldest fertiliser manufacturing plants, having served the nation for over five decades by supplying fertiliser and empowering farmers. Throughout this journey, the unit has consistently introduced new schemes and projects aimed at reducing specific energy consumption. As a result, the specific energy consumption of urea has reduced nearly 30% since inception. This significant improvement is the outcome of Energy-Saving Projects implemented across different phases of the plant's operation. Implementation of energy and resource conservation measures is an ongoing process at IFFCO - Kalol. Implementation of various energy saving schemes have resulted in reduction in Natural gas consumption by 47600 SM^3/day, raw water consumption by 600 m^3/day and CO_2 emission reduction by 97 MT/day. As a part of Energy conservation following measures were taken in FY 2025 - 26 and FY 2026 - 27: During March – April 2026 Annual Turnround (ATR) **Improvement in Process Air Compressor Efficiency through Replacement of Interstage Cooler Tube Bundles:** The condition of the interstage cooler tube bundles was assessed, and the deteriorated/scaled tube bundles of 130-JC and 131-JC were replaced with new tube bundles. The replacement restored the heat-transfer surface and significantly improved the heat-removal capability of the interstage cooling system. With the new tube bundles, the compressed process air can be cooled more effectively before entering the subsequent compression stages. The restoration of the interstage cooling system has resulted in a reduction in steam consumption of approximately 0.4 MT/hr. **Improvement in CO_2 Compressor Turbine Efficiency and Steam Consumption:** Comprehensive overhauling of the CO_2 Compressor turbine was carried out. Following the overhaul, a clear reduction in the actual power requirement/steam requirement of the CO_2 compressor turbine was observed. After completion of the turbine overhaul, the 60 ata steam consumption of the CO_2 Compressor turbine decreased by approximately 2 MT/hr. **Replacement of Old Urea Reactor with new one having leak detection system:** Due to ageing and frequent maintenance existing autoclave has been replaced with a new reactor incorporating improved liner design modification. Also, to continuously monitor the autoclave for any leakage, indigenously designed (first of its kind in IFFCO) LDS has been installed in Urea Plant. The installation of the new Urea Reactor has eliminated the frequent breakdowns of the Urea Plant. The monetary savings come from the shutdown losses that are now avoided. With the new reactor in service, the loss of Rs 9.43 Cr due to breakdowns has been avoided. Also, during the period April 2026 to September 2026, 318102 KWH of power was generated by Solar energy (equivalent to 547 MT of CO_2 emission reduction @ 0.7 kg CO_2/KWh). Moreover, Nanotechnology is the latest development in R&D of IFFCO that has become proven resulting in manufacture nano fertilizers without emitting pollution into the environment and thereby will reduce carbon footprint. Additionally, CO_2 recovery plant will also be installed (in case of lean gas) to collect CO_2 from flue gases to maintain urea production and reduced CO_2 emission. In this way, IFFCO is already working on reducing overall carbon footprint. A study of Tree inventory and Carbon sequestration was carried out at IFFCO Kalol complex during December 2022. Based on the report total CO_2 sequestered by all the trees and shrubs species in the complex was 19846 MT.

Sr. No.	Condition	Compliance Status
xii)	All the hazardous waste shall be managed and disposed as per the HWM Rules 2016. Hazardous waste such as Distillation Residue and Off Specification Products shall be either sent to common incineration site or sent for coprocessing. Solid waste shall be segregated into dry and wet garbage at site in accordance to the Solid Waste Management Rules, 2016. Wet waste shall be converted into compost and used as manure for greenbelt development.	Agreed, All the hazardous waste has been managed and disposed as per the HWM Rules 2016. Solid waste management system has been developed within the Plant site and Solid waste is segregated into dry waste, wet waste, Sanitary waste and Special care waste at site in accordance to the The Solid Waste Management Rules, 2026. Canteen and horticulture waste/Wet waste has been converted into compost and used as manure for greenbelt development within the Plant premises. Recycle waste like plastic, plastic, metal, rubber glass etc. are sold to authorised recyclers.
xiii)	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. 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.	IFFCO Kalol 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 industry during the period April 2026 to September 2026. IFFCO - Kalol unit has achieved the longest accident-free days of 5535 as on 31.09.2026. Measures adopted to prevent disaster, disaster management planning, risk assessment have been addressed in onsite and offsite Emergency plan of IFFCO - Kalol unit. Relevant page is attached as Annexure - IV. Mutual aid facilities of neighboring industries i.e. ONGC and GAIL are available. Details of Disaster Management & Preventive Measures are mentioned in Annexure – IV A.
xiv)	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.	There are no Volatile organic compounds (VOCs) in the manufacturing process in the complex. For control of fugitive emissions, dust extraction systems with scrubber have been installed in product handling plant. Refer Annexure – V.

Sr. No.	Condition	Compliance Status
xv)	Continuous online (24x7) monitoring system for stack emissions shall be installed for measurement of flue gas discharge and the pollutants concentration, and the data to be transmitted to the CPCB and SPCB servers. For online continuous monitoring of effluent, the unit shall install web camera with night vision capability and flow meters in the channel/drain carrying effluent within the premises.	In compliance to CPCB direction regarding OCEMS, IFFCO Kalol installed PM Analyzer (Make: Durag) at ID Fan stack of Urea prill tower on 1.9.2016 on trial basis. It was observed that trials runs were not successful and same was communicated to the supplier M/s Adage Automation. In response to it, a representative from Adage Automation visited site and removed the same from prill tower ID Fan on 15.2.2018. This was communicated to CPCB vide our E-Mail under the subject. "OCEMS Compliance reporting protocol" Copy of the E-Mail msg and letter sent to CPCB is attached herewith as Annexure - VII. A continuous online monitoring system have been installed for measurement of pH, Ammonical nitrogen and flow and Data logger have been connected with CPCB & GPCB servers. Photographs of the same are attached as Annexure - VIII. Blind has been installed at the downstream valve, over final discharge line of treated water from ETP going outside the plant premises. Flow meters have already been provided on the treated effluent final discharge pipeline of ETP.
xvi)	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.	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 are attached as Annexure – IX.
xvii)	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.	IFFCO Kalol has full-fledged Occupational Health center with 3 full time doctors and paramedical staff available round the clock. Details of the medical facilities at Occupational Health center is attached as Annexure - X. Pre-employment and periodical medical examinations of the employees are carried out. Health data is used as reference for deploying the duties of the workers. Medical checkup report (as per Form 32) of Employee & Contract Workmen are attached as Annexure – X A & B. All required PPE's have been provided to all employees while doing the job. List of PPE's available at various areas in the Plant is attached as Annexure – XI.

Sr. No.	Condition	Compliance Status
xviii)	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.	Yes, training on various safety & health aspects of chemicals handling is being imparted to all employees periodically. Details with photographs of training provided to employees is attached as Annexure – XII.
xix)	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.	IFFCO Kalol has an efficient and effective fire prevention and firefighting system to mitigate any emergency during manufacturing process of Ammonia - Urea Complex & Nano fertiliser Plants. Details of the Fire & Safety system available at IFFCO Kalol is attached as Annexure – XIII.
xx)	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 fire proof. The solvent storage tanks shall be provided with breather valve to prevent losses. (f) All the solvent storage tanks shall be connected with vent condensers with chilled brine circulation.	Not Applicable, as there is no usage of solvent in the manufacturing process in the complex.
xxi)	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.	Rainwater harvesting system has already been installed at township, outside the plant premises near Union Office and Nano Fertiliser plant, details of which is attached as Annexure – XIV. Process effluent / any wastewater is not allowed to mix with storm water.

Sr. No.	Condition	Compliance Status
xxii)	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.	• Specific vessels / tanks have Process & Instrument control valves for controlled use of active ingredients/ chemicals and to minimize the waste. • Urea dust collected from cyclone separators of prill cooling system is dissolved in a tank and is reused in the Urea manufacturing process. • IFFCO Kalol unit is having automatic weighing & filling system in product handling plant to minimize spillage. • IFFCO Kalol Unit is having close feed system for production of Nano fertilisers. • Vent scrubber (V-1207) has been installed to scrub off, off-gases from Ammonia scrubber (V-1203) to recover ammonia, so as to minimize ammonia release to the atmosphere. Gases from the Vent scrubber contain less than 100 mg/Nm^3 ammonia as against the permissible limit of 175 mg/Nm^3 specified in the consent Order. • Good quality and high-pressure hoses are in use for cleaning purposes and to reduce waste water generation.
xxiii)	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.	IFFCO Kalol Unit is organizing Environment awareness program periodically among the employees and contract workmen working in the plant as well as in nearby villages. Detail report about campaign on ban of Single Use Plastic organised by IFFCO Kalol is attached as Annexure – XV A. Also, as a part of implementation of ban on use of plastic bags, cloth Bag vending Machine has been installed at shopping center of IFFCO Township to enable the employees to use cloth bags instead of plastic bags. Detailed circular and photos of cloth bag vending machine attached as Annexure – XV B. Every year, World Environment Day is celebrated for one week involving employees, contract workmen and their dependent children. Report of world Environment week celebration carried out during 5th June 2026 to 12th June 2026 is attached herewith as Annexure - XV C.

Sr. No.	Condition	Compliance Status
B. Standard 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.	Noted, no further expansion / modification shall be carried out without prior approval from MOEF & CC.
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.	All relevant clause of under the Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989 are complied and the Complex is having full-fledged Fire & Safety Dept with professionally qualified, experienced & skilled staff. IFFCO Kalol has an efficient and effective fire prevention and firefighting system to mitigate any emergency during manufacturing process of Ammonia & Urea Complex and Nano fertiliser Plants. Details of the Fire & Safety system available at IFFCO Kalol is attached as Annexure – XIII. Measures adopted to prevent disaster, disaster management planning, risk assessment have been addressed in onsite and offsite Emergency plan of IFFCO - Kalol unit. Relevant page is attached as Annexure - IV. Mutual aid facilities of neighboring industries i.e. ONGC and GAIL are available. Details of Disaster Management & Preventive Measures are mentioned in Annexure - IVA.

<table>
<tr><th>Sr. No.</th><th>Condition</th><th>Compliance Status</th></tr>
<tr><td>1.3</td><td>The energy source for lighting purpose shall be preferably LED based, or advanced having preference in energy conservation and environment betterment.</td><td>All light fittings used for lighting purpose are LED type in Plant area, office buildings and residential township. Details of measures implemented for Energy Conservation during in last few years is attached as Annexure - XVI.

Apart from above, during the period April 2026 to September 2026, 318102 KWH of power was generated by Solar energy (equivalent to 547 MT of CO2 emission reduction @ 0.7 kg CO2/KWh).</td></tr>
<tr><td>1.4</td><td>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).</td><td>Yes, the overall noise levels in and around the plant area is well within the standards. Details of noise control measures installed at source of noise generation and Latest noise level monitoring report issued by M/s Stride Green Technologies LLP, Indrad, Kadi, Mehsana (NABL accredited Lab) is attached as Annexure – XVII & XVII A.</td></tr>
<tr><td>1.5</td><td>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.</td><td>As committed in EIA Report, CER fund has been allocated for implementation of various CER activities under IRDP. Details for the last Six years are as under.
<table>
<tr><th>Sr. No.</th><th>Financial Year</th><th>Allocated Fund Rs. Lakhs</th><th>Spent amount Rs. Lakhs</th></tr>
<tr><td>01</td><td>2021 - 22</td><td>24</td><td>24</td></tr>
<tr><td>02</td><td>2022 - 23</td><td>20</td><td>27 *</td></tr>
<tr><td>03</td><td>2023 - 24</td><td>10</td><td>40.22 *</td></tr>
<tr><td>04</td><td>2024 - 25</td><td>20</td><td>20.10</td></tr>
<tr><td>05</td><td>2025 - 26</td><td>30</td><td>31.25 *</td></tr>
<tr><td>06</td><td>Apl.26-Sept.26</td><td>-</td><td>3.97</td></tr>
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Ref. Annexure – XVIII and Table No 1.1 of Annex XVIII).
* Due to additional requirement</td></tr>
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Sr. No.	Condition	Compliance Status
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.	Every year IFFCO Kalol earmark sufficient funds towards capital cost and recurring cost to implement environment management and to operate existing pollution control measures. 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.	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 Sarpanch of nearby villages. Copies of receipt of Acknowledgement are attached as Annexure – XIX A.
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.	Noted, IFFCO Kalol Unit submits compliance report of EC conditions to Regional Office of MOEF & CC, Zonal office of CPCB & GPCB for every six months. Copy of Environmental Clearance and six-monthly compliance status report have been posted on the website of IFFCO.
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.	Yes, every year the environmental statement for each financial year ending 31st March in Form - V is submitted to GPCB. Copy of Environmental statement (Form V) for Year 2025 - 26 submitted to GPCB is attached as Annexure - XX. Same will be put on the IFFCO website along with the status of compliance of environmental clearance conditions. Soft copy of same is sent to Regional Office of MoEF&CC, Gandhinagar by email.

Sr. No.	Condition	Compliance Status
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.	IFFCO had advertised information related to Environment clearance in two local newspapers one in Gujarati and another in English. Copies of advertisement published in Newspapers, such as Divya Bhaskar and Indian Express are attached as Annexure – XXI A.
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.	CTE No. 72249 dated 29/04/2024 obtained from GPCB for Expansion and Modernisation of Existing Fertilizer Plant for Manufacturing Nano Fertilizer and Nano Micronutrients. CTO / Amendment to CCA No. AW-137098 issued date 19/09/2024 vide letter no. GPCB/CCA-GNR-95(13)/ID-16444/824312 dated 14.10.2024, obtained from GPCB.
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

Subject: <u>Expansion of Existing Fertilizer Plant for Manufacturing Nano Fertilizer and Nano Micronutrients at IFFCO Kalol Unit</u>

(Reference: Ministry letter No. F. No. J-11011/60/2009-IA-II(I) dtd. 07.03.2023)

Environmental clearance letter is attached as **Annexure - IB.**

TABLE: 1

Sr. No.	Condition	Compliance Status
	A. Specific Conditions	
i)	The PP shall develop Greenbelt over an area of at least, 16165.45 m^2 by planting 40,000 (1st year) number of trees within a period of one year of grant of EC and 15,000 (2nd year) (2024). The saplings selected for the plantation should be of sufficient height, preferably 6 ft (about 2m). The budget earmarked for the plantation shall be kept in separate account and should be audited annually. PP should annually submit the audited statement along with proof of activities viz. photographs (before & after with geo- location date & time), details of the 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 the previous year.	Complied, Existing Green area (including Lawns, Green Belt Area {tree bearing area}) at IFFCO Kalol complex is 47.575 Ha which is 49.65 % of total area of 95.5 Ha covered under green belt. The cumulative numbers of native species of tree saplings planted within and nearby areas is 91810 nos. Aerial view showing green belt area in the complex is attached as **Annexure - XXIII**.

Sr. No.	Condition	Compliance Status
ii)	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 Director - environment officials, 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.	Yes, IFFCO Kalol is having separate Environment & Pollution Control Dept. headed by Jt. GM (EPC) with Chemical Engg / Environmental Science & Engg. qualified staff. Unit has full-fledged laboratory facilities with set up to carry out the environmental management / monitoring functions.
iii)	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 under EMP [Rs. 932.9 lakhs (Capital cost) and Rs. 116 lakhs (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.	IFFCO-Kalol unit complies with all environmental protection measures and safeguards proposed in EIA Report. All the recommendations made in the EIA/EMP in respect of environmental management, and risk mitigation measures relating to the project have been implemented. With reference to the status of EMP, details are as under; 1) For the plantation of 40000 nos. of tree saplings, work order No 5605/ 221004240365 dtd 24.08.2023 was issued to M/s Heartyculture Natural Products LLP, Ranga Reddy Dist.: Telangana and plantation of tree saplings was completed. (Also, pl refer compliance status vide Condition No i of EC dtd 07.03.2023) 2) As a part of supply and installation of Effluent Treatment System (ETS) - ZLD Package for treatment of 35 m^3/day of effluent at Nano expansion project, Purchase order No 5605/ 221004230623 dtd 6.2.2023 was issued to M/s Tevoren Technologies LLP, Ahmedabad and same was installed and commissioned. 3) In order to execute EMP such as Installation of Effluent Treatment System (ETS) and Plantation of 40000 nos. of tree saplings, separate budget was allocated under Capital budget code 6220101 and same was utilized for execution of project. Also, revenue budget for operation of ETS and AMC for maintenance of trees samplings is allocated and utilised for the year 2026 – 27.

Sr. No.	Condition	Compliance Status
iv)	The total freshwater requirement after expansion will be 10190 KLD (in Phase-I) and 10614 KLD (in Phase-II). Fresh water will be met by Sardar Sarovar Narmada Nigam Ltd. (SSNNL). The PP should ensure that water supply should not be above the permissible limit as mentioned in the letter and fresh water shall be withdrawal only after obtaining prior agreement from the 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.	Total freshwater requirement is as per EC No F.J-11011/60/2009-IA-II(I) dtd 16.4.2024 and same is well within the prescribed limit of 10665 KLD (in Phase I) at IFFCO Kalol. Average daily freshwater consumption for the period April 2026 to September 2026 is 9828 m^3/day. Also, as per Charter on "Corporate Responsibility for Environment Protection (CREP), limit of specific water consumption fixed for gas-based fertilizer plants is 8 m^3/ MT of urea. Specific water consumption for the period from April 2026 to September 2026 is 5.84 m^3/MT. Same is also within the prescribed limit. The unit is having valid agreement with M/s Sardar Sarovar Narmada Nigam Ltd (SSNNL) for supply of Narmada Canal Water and is valid up to 21/02/2031.
v)	No banned chemicals shall be manufactured by the PP. No banned raw materials shall be used in the unit. The PP shall adhere to the notifications/guidelines of the Government in this regard.	Noted & agreed

Sr. No.	Condition	Compliance Status
vi)	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.	IFFCO is one of India's biggest cooperative societies which is wholly owned by Indian Cooperatives. IFFCO has been diligent to make its plants energy efficient and continuously works to conserve energy. IFFCO Kalol Unit is among India's oldest fertiliser manufacturing plants, having served the nation for over five decades by supplying fertiliser and empowering farmers. Throughout this journey, the unit has consistently introduced new schemes and projects aimed at reducing specific energy consumption. As a result, the specific energy consumption of urea has reduced nearly 30% since inception. This significant improvement is the outcome of Energy-Saving Projects implemented across different phases of the plant's operation. Implementation of energy and resource conservation measures is an ongoing process at IFFCO - Kalol. Implementation of various energy saving schemes have resulted in reduction in Natural gas consumption by 47600 SM^3/day, raw water consumption by 600 m^3/day and CO_2 emission reduction by 97 MT/day. As a part of Energy conservation following measures were taken in FY 2025 - 26 and FY 2026 - 27: During March – April 2026 Annual Turnround (ATR) **Improvement in Process Air Compressor Efficiency through Replacement of Interstage Cooler Tube Bundles:** The condition of the interstage` cooler tube bundles was assessed, and the deteriorated/scaled tube bundles of 130-JC and 131-JC were replaced with new tube bundles. The replacement restored the heat-transfer surface and significantly improved the heat-removal capability of the interstage cooling system. With the new tube bundles, the compressed process air can be cooled more effectively before entering the subsequent compression stages. The restoration of the interstage cooling system has resulted in a reduction in steam consumption of approximately 0.4 MT/hr. **Improvement in CO_2 Compressor Turbine Efficiency and Steam Consumption:** Comprehensive overhauling of the CO_2 Compressor turbine was carried out. Following the overhaul, a clear reduction in the actual power requirement/steam requirement of the CO_2 compressor turbine was observed. After completion of the turbine overhaul, the 60 ata steam consumption of the CO_2 Compressor turbine decreased by approximately 2 MT/hr. **Replacement of Old Urea Reactor with new one having leak detection system:** Due to ageing and frequent maintenance existing autoclave has been replaced with a new reactor incorporating improved liner design modification. Also, to continuously monitor the autoclave for any leakage, indigenously designed (first of its kind in IFFCO) LDS has been installed in Urea Plant. The installation of the new Urea Reactor has eliminated the frequent breakdowns of the Urea Plant. The monetary savings come from the shutdown losses that are now avoided. With the new reactor in service, the loss of Rs 9.43 Cr due to breakdowns has been avoided. Also, during the period April 2026 to September 2026, 318102 KWH of power was generated by Solar energy (equivalent to 547 MT of CO_2 emission reduction @ 0.7 kg CO_2/KWh). Moreover, Nanotechnology is the latest development in R&D of IFFCO that has become proven resulting in manufacture nano fertilizers without emitting pollution into the environment and thereby will reduce carbon footprint. Additionally, CO_2 recovery plant will also be installed (in case of lean gas) to collect CO_2 from flue gases to maintain urea production and reduced CO_2 emission. In this way, IFFCO is already working on reducing overall carbon footprint. A study of Tree inventory and Carbon sequestration was carried out at IFFCO Kalol complex during December 2022. Based on the report total CO_2 sequestered by all the trees and shrubs species in the complex was 19846 MT.

Sr. No.	Condition	Compliance Status
vii)	The project proponent shall comply with the environment norms for Fertilizer 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.	IFFCO - Kalol unit complies with all environmental protection measures and safeguards proposed in EIA Report. All the recommendations made in the EIA/EMP in respect of environmental management, and risk mitigation measures relating to the project have been implemented.
viii)	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.	IFFCO Kalol 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 industry during the period April 2026 to September 2026. IFFCO - Kalol unit has achieved the longest accident-free days of 5534 as on 30.09.2026. Measures adopted to prevent disaster, disaster management planning, risk assessment have been addressed in onsite and offsite Emergency plan of IFFCO - Kalol unit. Relevant page is attached as Annexure - IV. Mutual aid facilities of neighboring industries i.e. ONGC and GAIL are available, Kadi. Details of Disaster Management & Preventive Measures are mentioned in Annexure - IV A.
ix)	The volatile organic compounds (VOCs)/ Fugitive emissions shall be controlled at 99.97 % with effective chillers/modem technology. Regular monitoring of VOCs shall be carried out.	There are no Volatile organic compounds (VOCs) in the manufacturing process in the complex. For control of fugitive emissions, dust extraction systems with scrubber have been installed in product handling plant. Refer Annexure – V.
x)	The PP shall explore possibilities for recycling and reusing of treated water in the unit to reduce the fresh water demand and waste disposal.	Yes, IFFCO Kalol Unit has implemented major pollution abatement measures for recycling and reusing of treated water and optimum utilization of Raw/ Fresh water. Details are mentioned in Annexure – VI.
xi)	As committed by the PP, Zero Liquid Discharge shall be ensured. The domestic wastewater shall be partially treated in the existing ETP and flushing wastewater shall be discharged to soak pits. ETP plant shall be installed total capacity of 35 KLD. Out of 35 KLD, MEE, Stripper and AFFD will have capacity of 25 KLD. Treated water shall be reused for horticulture/ gardening/ green belt development purposes.	There is no discharge of treated water outside the plant premises. The domestic wastewater is partially treated in the existing ETP, and flushing wastewater is discharged to soak pits. ETP plant of 35 KLD capacity has already been installed at the Nano Fertiliser unit.

Sr. No.	Condition	Compliance Status
xii)	Continuous online (24x7) monitoring system for stack emissions shall be installed for measurement of flue gas discharge and the pollutants concentration and the data to be transmitted to the CPCB and SPCB servers. For online continuous monitoring of effluent, the unit shall install web camera with night vision capability and flow meters in the channel/drain carrying effluent within the premises.	In compliance to CPCB direction regarding OCEMS, IFFCO Kalol installed PM Analyzer (Make: Durag) at ID Fan stack of Urea prill tower on 1.9.2016 on trial basis. It was observed that trials runs were not successful and same was communicated to the supplier M/s Adage Automation. In response to it, a representative from Adage Automation visited site and removed the same from prill tower ID Fan on 15.2.2018. This was communicated to CPCB vide our E-Mail under the subject. "OCEMS Compliance reporting protocol" Copy of the E-Mail msg and letter sent to CPCB is attached herewith as Annexure - VII. A continuous online monitoring system have been installed for measurement of pH, Ammonical nitrogen and flow and Data logger have been connected with CPCB & GPCB servers. Photographs of the same are attached as Annexure - VIII. Blind has been installed at the downstream valve, over final discharge line of treated water from ETP going outside the plant premises. Flow meters have already been provided on the treated effluent final discharge pipeline of ETP.
xiii)	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.	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 – IX.

Sr. No.	Condition	Compliance Status
xiv)	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.	IFFCO Kalol has full-fledged Occupational Health center with 3 full time doctors and paramedical staff available round the clock. Details of the medical facilities at Occupational Health center is attached as Annexure - X. Pre-employment and periodical medical examinations of the employees are carried out. Health data is used as reference for deploying the duties of the workers. Medical checkup report (as per Form 32) of Employee & Contract Workmen are attached as Annexure – X A & B. All required PPE's have been provided to all employees while doing the job. List of PPE's available at various areas in the Plant is attached as Annexure – XI.
xv)	Proper Ventilation with adequate air change cycle shall be made for healthy working environment for the workers. Work Zone monitoring should be done for VOC.	There are no Volatile organic compounds (VOCs) in the manufacturing process in the complex. For control of fugitive emissions, dust extraction systems with scrubber have been installed in product handling plants. Refer Annexure – V.
xvi)	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.	Yes, training on various safety & health aspects of chemicals handling is being imparted to all employees periodically. Details with photographs of training provided to employees is attached as Annexure – XII.
xvii)	The unit shall make the arrangement for the protection of possible fire hazards during manufacturing process in material handling. Fire-fighting system shall be as per the norms.	IFFCO Kalol has an efficient and effective fire prevention and firefighting system to mitigate any emergency during manufacturing process of Ammonia - Urea Complex & Nano fertiliser Plants. Details of the Fire & Safety system available at IFFCO Kalol is attached as Annexure – XIII.
xix)	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.	Rainwater harvesting system has already been installed at township, outside the plant premises near Union Office and Nano Fertiliser Plant, details of which is attached as Annexure – XIV. Process effluent / any wastewater is not allowed to mix with storm water.

<table>
<tr><th>Sr. No.</th><th>Condition</th><th>Compliance Status</th></tr>
<tr><td>xx)</td><td>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.</td><td>• Specific vessels / tanks have Process & Instrument control valves for controlled use of active ingredients/ chemicals and to minimize the waste.
• Urea dust collected from cyclone separators of prill cooling system is dissolved in a tank and is reused in the Urea manufacturing process.
• IFFCO Kalol unit is having automatic weighing & filling system in product handling plant to minimize spillage.
• IFFCO Kalol Unit is having close feed system for production of Nano fertilisers.
• Vent scrubber (V-1207) has been installed to scrub off, off-gases from Ammonia scrubber (V-1203) to recover ammonia, so as to minimize ammonia release to the atmosphere. Gases from the Vent scrubber contain less than 100 mg/Nm^3 ammonia as against the permissible limit of 175 mg/Nm^3 specified in the consent Order.
• Good quality and high-pressure hoses are in use for cleaning purposes and to reduce waste water generation.</td></tr>
<tr><td>xxi)</td><td>The Plastic Waste Management (Amendment) Rules, 2022 shall be duly complied w.r.t Extended Producer Responsibility (EPR) target as a brand owner.</td><td>Registration certificates of IFFCO as a brand owner for Ammonia - Urea complex and EPR Annual Report for the year 2024 – 2025 are attached as Annexure – XV i & ii.
The CPCB Plastic EPR portal is still not open, the submission of the Plastic EPR Annual Return for Year 2025 - 26 will be submitted as the portal resume.</td></tr>
<tr><td>xxii)</td><td>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.</td><td>As committed in EIA Report, CER fund has been allocated for implementation of various CER activities under IRDP. Details for the last six years are as under.
<table>
<tr><th>Sr. No.</th><th>Financial Year</th><th>Allocated Fund Rs. Lakhs</th><th>Spent amount Rs. Lakhs</th></tr>
<tr><td>01</td><td>2021 - 22</td><td>24</td><td>24</td></tr>
<tr><td>02</td><td>2022 - 23</td><td>20</td><td>27 *</td></tr>
<tr><td>03</td><td>2023 - 24</td><td>10</td><td>40.22 *</td></tr>
<tr><td>04</td><td>2024 - 25</td><td>20</td><td>20.10</td></tr>
<tr><td>05</td><td>2025 - 26</td><td>30</td><td>31.25 *</td></tr>
<tr><td>06</td><td>Apl.26-Sept.26</td><td></td><td>3.97</td></tr>
</table>
Ref. Annexure – XVIII and Table No 1.1 of Annex XVIII).
* Due to additional requirement</td></tr>
</table>

Sr. No.	Condition	Compliance Status
	General Conditions	
i)	No further expansion or modifications in the plant, other than mentioned in the EIA Notification, 2006 and its amendments, shall be carried out without prior approval of the Ministry of Environment Forest and Climate Change/SEIAA, as applicable. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry/SEIAA, as applicable, to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.	Noted, no further expansion / modification shall be carried out without prior approval from MOEF & CC.
ii)	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.	All relevant clause of under the Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989 are complied and the Complex is having full-fledged Fire & Safety Dept with professionally qualified, experienced & skilled staff. IFFCO Kalol has an efficient and effective fire prevention and firefighting system to mitigate any emergency during manufacturing process of Ammonia & Urea Complex and Nano fertiliser Plants. Details of the Fire & Safety system available at IFFCO Kalol is attached as Annexure – XIII. Measures adopted to prevent disaster, disaster management planning, risk assessment have been addressed in onsite and offsite Emergency plan of IFFCO - Kalol unit. Relevant page is attached as Annexure - IV. Mutual aid facilities of neighboring industries i.e. ONGC and GAIL are available. Details of Disaster Management & Preventive Measures are mentioned in Annexure – IV A.
iii)	The energy source for lighting purpose shall be preferably LED based, or advanced having preference in energy conservation and environment betterment.	All light fittings used for lighting purpose are LED type in Plant area, office buildings and residential township. Details of measures implemented for Energy Conservation in last few years is attached as Annexure - XVI. Apart from above, during the period April 2026 to September 2026, 318102 KWH of power was generated by Solar energy (equivalent to 547 MT of CO_2 emission reduction @ 0.7 kg CO_2/KWh).

<table>
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<tr><td>iv)</td><td>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 (daytime) and 70 dBA (night time).</td><td>Yes, the overall noise levels in and around the plant area is well within the standards. Details of noise control measures installed at source of noise generation and Latest noise level monitoring report issued by M/s Stride Green Technologies LLP, Indrad, Kadi, Mehsana (NABL accredited Lab) is attached as Annexure – XVII & XVII A.</td></tr>
<tr><td>v)</td><td>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.</td><td>As committed in EIA Report, CER fund has been allocated for implementation of various CER activities under IRDP. Details for the last six years are as under.
<table>
<tr><th>Sr. No.</th><th>Financial Year</th><th>Allocated Fund Rs. Lakhs</th><th>Spent amount Rs. Lakhs</th></tr>
<tr><td>01</td><td>2021 - 22</td><td>24</td><td>24</td></tr>
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<tr><td>vi)</td><td>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.</td><td>Every year IFFCO Kalol earmark sufficient funds towards capital cost and recurring cost to implement environment management & to operate existing pollution control measures. These funds are not diverted for any other purpose.</td></tr>
<tr><td>vii)</td><td>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.</td><td>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 Sarpanch of nearby villages. Copies of receipt of Acknowledgement are attached as Annex-XIX B.</td></tr>
</table>

Sr. No.	Condition	Compliance Status
viii)	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, IFFCO Kalol Unit submits compliance report of EC conditions to Regional Office of MOEF & CC, Zonal office of CPCB & GPCB once in six months. Copy of Environmental Clearance and six-monthly compliance status report have been posted on the website of IFFCO.
ix)	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.	Yes, every year the environmental statement for each financial year ending 31st March in Form - V is submitted to GPCB. Copy of Environmental statement (Form V) for Year 2025 - 26 submitted to GPCB is attached as Annexure - XX. Same is uploaded on the IFFCO website along with the status of compliance of environmental clearance conditions. Soft copy of the same is sent to Regional Office of MoEF&CC, Gandhinagar by email.
x)	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.	IFFCO had advertised information related to Environment clearance in two local newspapers one in Gujarati and another in English. Copies of advertisement published in Newspapers, such as Divya Bhaskar and Times of India are attached as Annexure – XXI B.
xi)	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.	CTE No. 72249 dated 29/04/2024 obtained from GPCB for Expansion and Modernisation of Existing Fertilizer Plant for Manufacturing Nano Fertilizer and Nano Micronutrients. CTO / Amendment to CCA No. AW-137098 issued date 19/09/2024 vide letter no. GPCB/CCA-GNR- 95(13)/ID-16444/824312 dated 14.10.2024, obtained from GPCB.
xii)	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

IFFCO Kalol Unit

Subject: Expansion of Fertiliser Plant by installation of New Nano Urea Plant at IFFCO Kalol Unit

(Reference: Ministry letter No. F. No. J-11011/60/2009-IA-II(I) dtd. 24th August, 2021)

Environmental clearance letter is attached as **Annexure I C.**

TABLE: 2

Sr. No.	Conditions	Compliance Status
	Specific Conditions	
i)	All the specific and general conditions stipulated in the environmental clearance dated 1st February, 2021 shall be complied in letter and spirit.	All the specific and general conditions stipulated in the environmental clearance dated 1st February 2021 have been complied and updated the compliance status report.
ii)	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 IRO, MoEFCC in this regard.	IFFCO is one of India's biggest cooperative societies which is wholly owned by Indian Cooperatives. IFFCO has been diligent to make its plants energy efficient and continuously works to conserve energy. IFFCO Kalol Unit is among India's oldest fertiliser manufacturing plants, having served the nation for over five decades by supplying fertiliser and empowering farmers. Throughout this journey, the unit has consistently introduced new schemes and projects aimed at reducing specific energy consumption. As a result, the specific energy consumption of urea has reduced nearly 30% since inception. This significant improvement is the outcome of Energy-Saving Projects implemented across different phases of the plant's operation. Implementation of energy and resource conservation measures is an ongoing process at IFFCO - Kalol. Implementation of various energy saving schemes have resulted in reduction in Natural gas consumption by 47600 SM^3/day, raw water consumption by 600 m^3/day and CO_2 emission reduction by 97 MT/day. As a part of Energy conservation following measures were taken in FY 2025 - 26 and FY 2026 - 27: During March – April 2026 Annual Turnround (ATR) **Improvement in Process Air Compressor Efficiency through Replacement of Interstage Cooler Tube Bundles:** The condition of the interstage` cooler tube bundles was assessed, and the deteriorated/scaled tube bundles of 130-JC and 131-JC were replaced with new tube bundles. The replacement restored the heat-transfer surface and significantly improved the heat-removal capability of the interstage cooling system. With the new tube bundles, the compressed process air can be cooled more effectively before entering the subsequent compression stages. The restoration of the interstage cooling system has resulted in a reduction in steam consumption of approximately 0.4 MT/hr. **Improvement in CO_2 Compressor Turbine Efficiency and Steam Consumption:** Comprehensive overhauling of the CO_2 Compressor turbine was carried out. Following the overhaul, a clear reduction in the actual power requirement/steam requirement of the CO_2 compressor turbine was observed. After completion of the turbine overhaul, the 60 ata steam consumption of the CO_2 Compressor turbine decreased by approximately 2 MT/hr. **Replacement of Old Urea Reactor with new one having leak detection system:** Due to ageing and frequent maintenance existing autoclave has been replaced with a new reactor incorporating improved liner design modification. Also, to continuously monitor the autoclave for any leakage, indigenously designed (first of its kind in IFFCO) LDS has been installed in Urea Plant. The installation of the new Urea Reactor has eliminated the frequent breakdowns of the Urea Plant. The monetary savings come from the shutdown losses that are now avoided. With the new reactor in service, the loss of Rs 9.43 Cr due to breakdowns has been avoided. Also, during the period April 2026 to September 2026, 318102 KWH of power was generated by Solar energy (equivalent to 547 MT of CO_2 emission reduction @ 0.7 kg CO_2/KWh). Moreover, Nanotechnology is the latest development in R&D of IFFCO that has become proven resulting in manufacture nano fertilizers without emitting pollution into the environment and thereby will reduce carbon footprint. Additionally, CO_2 recovery plant will also be installed (in case of lean gas) to collect CO_2 from flue gases to maintain urea production and reduced CO_2 emission. In this way, IFFCO is already working on reducing overall carbon footprint. A study of Tree inventory and Carbon sequestration was carried out at IFFCO Kalol complex during December 2022. Based on the report total CO_2 sequestered by all the trees and shrubs species in the complex was 19846 MT.

Sr. No.	Conditions	Compliance Status
iii)	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 addendum to the EIA/EMP in respect of environmental management, and risk mitigation measures relating to the project shall be implemented.	IFFCO-Kalol unit complies with all environmental protection measures and safeguards proposed in EIA Report. All the recommendations made in the EIA/EMP in respect of environmental management, and risk mitigation measures relating to the project have been implemented.
iv)	Total fresh water requirement shall not exceed 10069 KLD (in Phase I) and 10493 KLD (in Phase II). Prior permission in this regard shall be obtained from the concerned regulatory authority.	Total freshwater requirement is as per EC No F.J-11011/60/2009-IA-II(I) dtd 16.4.2024 and same is well within the prescribed limit of 10665 KLD (in Phase I) at IFFCO Kalol. Average daily freshwater consumption for the period April 2026 to September 2026 is 9828 m^3/day. Also, as per Charter on "Corporate Responsibility for Environment Protection (CREP), limit of specific water consumption fixed for gas-based fertilizer plants is 8 m^3/ MT of urea. Specific water consumption for the period from April 2026 to September 2026 is 5.84 m^3/MT. Same is also within the prescribed limit. The unit is having valid agreement with M/s Sardar Sarovar Narmada Nigam Ltd (SSNNL) for supply of Narmada Canal Water and is valid up to 21/02/2031.
v)	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.	Noted and agreed
vi)	As proposed, at least Rs. 36.5 lakhs shall be earmarked for conservation plan and shall be implemented in coordination with State Forest & Wildlife Department / Local Village Administration.	Rs. 36.5 lakhs have been earmarked for wildlife conservation plan After review by the Range Forest Officer, Kadi Wildlife Range, Revised wildlife conservation plan incorporating GPS location has already been submitted for approval of the plan.

IFFCO Kalol Unit

(Reference: Ministry letter No. F. No. J-11011/60/2009-IA-II(I) dated 1st February, 2021)

Environmental clearance letter is attached as **Annexure I D.**

TABLE: 3

Sr. No.	Conditions	Compliance Status
	Specific Conditions	
i)	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	IFFCO - Kalol unit complies with all environmental protection measures and safeguards proposed in EIA Report. All the recommendations made in the EIA/EMP in respect of environmental management, and risk mitigation measures relating to the project have been implemented.
ii)	As already committed by the project proponent, Zero Liquid Discharge shall be ensured and no waste/treated water shall be discharged outside the premises. Treated effluent shall be reused in the process/utilities. Treated Industrial effluent shall not be used for gardening/greenbelt development.	There is no discharge of treated water outside the plant premises.
iii)	Continuous online (24x7) monitoring system for stack emissions shall be installed for measurement of flue gas discharge and the pollutants concentration, and the data to be transmitted to the CPCB and SPCB server. For online continuous monitoring of effluent, the unit shall install web camera with night vision capability and flow meters in the channel/drain carrying effluent within the premises.	In compliance to CBCB direction regarding OCEMS, IFFCO Kalol installed PM Analyzer (Make: Durag) at ID Fan stack of Urea prill tower on 1.9.2016 on trial basis. It was observed that trial runs were not successful and same was communicated to the supplier M/s Adage Automation. In response to it, a representative from Adage Automation visited site and removed the same from prill tower ID Fan on 15.2.2018. This was communicated to CPCB vide our E-Mail under the subject. “OCEMS Compliance reporting protocol” Copy of the E-Mail msg and letter sent to CPCB is attached as Annexure - VII. Continuous online monitoring system have been installed for measurement of pH, Ammonical nitrogen & flow and Data logger have been connected with CPCB & GPCB servers. Photographs of the same are attached as Annexure - VIII. Blind has been installed at the downstream valve, over final discharge line of treated water from ETP going outside the plant premises. Flow meters have already been provided on treated effluent final discharge pipeline of ETP.

Sr. No.	Conditions	Compliance Status
iv)	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.	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 – IX.
v)	Occupational health center 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.	IFFCO Kalol has full-fledged Occupational Health center with 3 full time doctors and paramedical staff available round the clock. Details of the medical facilities at Occupational Health center is attached as Annexure - X. Pre-employment and periodical medical examinations of the employees are carried out. Health data is used as reference for deploying the duties of the workers. Medical checkup report (as per Form 32) of Employee & Contract Workmen are attached as Annexure – X A & B. All required PPE's have been provided to all employees while doing the job. List of PPE's available at various areas in the Plant is attached as Annexure – XI.
vi)	Training shall be imparted to all employees on safety and health aspects of chemicals handling. Safety and visual reality training shall be provided to employees.	Training on various safety and health aspects of chemicals handling has been regularly imparted to employees and contract workmen. Practical training on firefighting and emergency handling is also conducted periodically. Refresher Fire & Safety training is being imparted to all employees and contract workmen every year. photographs of Safety and visual reality training provided to employees is attached herewith as Annexure – XII.
vii)	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.	IFFCO Kalol is having full-fledged Fire & Safety Dept. with professionally qualified, experienced & skilled staff. IFFCO Kalol has efficient and effective fire prevention and firefighting system to mitigate any emergency during manufacturing process of Ammonia - Urea Complex & Nano fertiliser Plants. Details of the Fire & Safety system available at IFFCO Kalol is attached as Annexure – XIII.

Sr. No.	Conditions	Compliance Status
viii)	Safety and risk assessment studies shall be conducted and action plan and mitigation measures shall be properly implemented.	Safety and risk assessment studies of IFFCO Kalol have been conducted during Dec 2018 to Jan 2019 by M/s iFluid Engineering, Chennai. Observation and recommendation/mitigation measures have been implemented. Safety audit is being carried out as per the Statutory requirements. Last safety audit was conducted by Safety Consultancy Services, Ahmedabad during 10th to 12th November 2025.
ix)	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 flame proof. The solvent storage tanks shall be provided with breather valve to prevent losses. (f) All the solvent storage tanks shall be connected with vent condensers with chilled brine circulation.	Not Applicable, as there is no usage of solvent in the manufacturing process in the complex.
x)	Volatile organic compounds (VOCs)/Fugitive emissions shall be controlled at 99.99% with effective chillers/modern technology.	There are no Volatile organic compounds (VOCs) in the manufacturing process in the complex. For control of fugitive emissions, dust extraction systems with scrubber have been installed in product handling plant. Refer Annexure – V.
xi)	Total fresh water requirement shall not exceed 10371 cum/day proposed to be met from existing water supply from Narmada canal to the IFFCO Kalol unit. Necessary permission in this regard shall be obtained from the concerned regulatory authority, and renewed from time to time.	Total freshwater requirement is as per EC No F.J-11011/60/2009-IA-II(I) dtd 16.4.2024 and same is well within the prescribed limit of 10665 KLD (in Phase I) at IFFCO Kalol. Average daily freshwater consumption for the period April 2026 to September 2026 is 9828 m^3/day. Also, as per Charter on "Corporate Responsibility for Environment Protection (CREP), limit of specific water consumption fixed for gas-based fertilizer plants is 8 m^3/ MT of urea. Specific water consumption for the period from April 2026 to September 2026 is 5.84 m^3/MT. Same is also within the prescribed limit. The unit is having valid agreement with M/s Sardar Sarovar Narmada Nigam Ltd (SSNNL) for supply of Narmada Canal Water and is valid up to 21/02/2031. Copy of agreement is attached herewith as Annexure – XXII.

Sr. No.	Conditions	Compliance Status
xii)	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.	Rainwater harvesting system has already been installed at township, outside the plant premises near Union Office and Nano Fertiliser Plants, details of which is attached as Annexure – XIV. Process effluent / any wastewater is not allowed to mix with storm water.
xiii)	The company shall undertake waste minimization measures as below	
	(a) metering and control of quantities of active ingredients to minimize waste;	Specific vessels / tanks are having 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.	Urea dust collected from cyclone separators of prill cooling system is dissolved and reused in the Urea manufacturing process.
	(c) Use of automated filling to minimize spillage.	IFFCO Kalol unit is having automatic weighing & filling system in product handling plant to minimize spillage.
	(d) Use of Close Feed system into batch reactors.	IFFCO Kalol Unit is having close feed system for production of Nano fertilizers and Diesel Exhaust Fluid (DEF) in urea plant.
	(e) Venting equipment through vapor recovery system.	Vent scrubber (V-1207) has been installed to scrub off off off-gases from Ammonia scrubber (V-1203) to recover ammonia, so as to minimize ammonia release to the atmosphere. Gases from the Vent scrubber contain less than 100 mg/Nm^3 ammonia as against the permissible limit of 175 mg/Nm^3 specified in the consent Order.
	(f) Use of high-pressure hoses for equipment clearing to reduce wastewater generation.	Good quality and high-pressure hoses are in use for cleaning purpose and to reduce wastewater generation.

Sr. No.	Conditions	Compliance Status
xiv)	The green belt of at least 5-10 m width shall be developed in nearly 33% of the total project area, mainly along the plant periphery. Selection of plant species shall be as per the CPCB guidelines in consultation with the State Forest Department. Records of tree canopy shall be monitored through remote sensing map.	Existing Green area (including Lawns, Green Belt Area {tree bearing area}) at IFFCO Kalol complex is 47.4266 Ha which is 49.65 % of total area of 95.5 Ha covered under green belt. Photographs showing green area in the complex are attached as Annexure - XXIII. Plantation activity in and around the plant is an ongoing activity.
xv)	The activities and the action plan proposed by the project proponent to address the socio-economic issues in the study area, shall be completed as per the schedule presented before the Committee and as described in the EMP report in letter and spirit.	As committed in EIA Report, CER fund has been allocated for implementation of various CER activities under IRDP in last 04 years. Details of amount spent for last 04 years is mentioned in **Table No 1.1 of Annex XVIII** (Also Ref: point no. xxii on page 22 of 36 of this compliance report).

Sr. No.	Conditions	Compliance Status
xvi)	A separate Environmental Management Cell (having qualified person with Environmental Science/Environmental Engineering/specialization in the project area) equipped with full-fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.	Yes, IFFCO Kalol is having separate Environment & Pollution Control Dept. headed by Jt. GM (EPC) with Chemical Engg / Environmental Science qualified staff. Unit is having full-fledged laboratory facilities with set up to carry out the environmental management / monitoring functions. Details are attached as Annexure - II.
General Conditions		
(i)	No further expansion or modifications in the plant, other than mentioned in the EIA Notification, 2006 and its amendments, shall be carried out without prior approval of the Ministry of Environment Forest and Climate Change/SEIAA, as applicable. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry/SEIAA to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.	Noted, no further expansion / modification shall be carried out without prior approval from MOEF & CC.
(ii)	The energy source for lighting purpose shall be preferably LED based or advance having preference in energy conservation and environment betterment.	All light fittings used for lighting purpose are LED type in Plant area, office buildings and residential township. Apart from above, during the period April 2026 to September 2026, 318102 KWH of power was generated by Solar energy (equivalent to 547 MT of CO_2 emission reduction @ 0.7 kg CO_2/KWh).
(iii)	The locations of ambient air quality monitoring stations shall be decided in consultation with the State Pollution Control Board (SPCB) and it shall be ensured that at least one station each is installed in the upwind and downwind direction as well as where maximum ground level concentrations are anticipated.	Three ambient air quality monitoring stations have been set up in the complex considering upwind, downwind direction and maximum ground level concentrations. Ambient air quality monitoring data is submitted on a monthly basis to GPCB, Gandhinagar. All parameters are within limit. Ambient Air Quality monitoring was carried out by M/s Stride Green Technologies LLP, Indrad, Kadi, Mehsana (NABL accredited Lab) in the month of January, 2026. Copy of reports of which are attached as Annexure XVII – B.

Sr. No.	Conditions	Compliance Status
(iv)	The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th November, 2009 shall be followed.	Accepted and is followed.
(v)	The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under Environment (Protection) Act 1986 Rules 1989 viz. 75 dBA (day time) and 70 dBA (night time).	Yes, overall noise levels in and around the plant area is well within the standards. Details of noise control measures installed at source of noise generation and Latest noise level monitoring report was carried out by M/s Stride Green Technologies LLP, Indrad, Kadi, Mehsana (NABL accredited Lab) is attached as Annexure – XVII & XVII A.
(vi)	The Company shall harvest rainwater from the roof tops of the buildings and storm water drains to recharge the ground water and to utilize the same for process requirements.	Rainwater harvesting system has already been installed at township and outside the plant premises near Union Office (Ref: Annexure - XIV) to collect the rainwater/storm water and to recharge the ground water.
(vii)	Training shall be imparted to all employees on safety and health aspects of chemicals handling. Pre- employment and routine periodical medical examinations for all employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted.	Yes, training on various safety & health aspects of chemicals handling is being imparted to all employees periodically. Details with photographs of training provided to employees is attached as Annexure – XII. Pre-employment and routine periodical medical examinations (Physical examination, Urine Routine examination, Hematology, LFT, Blood Sugar, chest x rays, Audiometry, Spirometry, Vision testing, ECG etc.) of employee and contract workmen is undertaken on regular basis to analyze the health status. Records of the same have been maintained. Sample copies of medical check-up reports of employee & Contract Workmen are attached as Annexure - X A&B.

<table>
<tr><th>Sr. No.</th><th>Conditions</th><th>Compliance Status</th></tr>
<tr><td>(viii)</td><td>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.</td><td>As committed in EIA Report, CER fund has been allocated for implementation of various CER activities under IRDP. Details for the last six years are as under.
<table>
<tr><th>Sr. No.</th><th>Financial Year</th><th>Allocated Fund Rs. Lakhs</th><th>Spent amount Rs. Lakhs</th></tr>
<tr><td>01</td><td>2021 - 22</td><td>24</td><td>24</td></tr>
<tr><td>02</td><td>2022 - 23</td><td>20</td><td>27 *</td></tr>
<tr><td>03</td><td>2023 - 24</td><td>10</td><td>40.22 *</td></tr>
<tr><td>04</td><td>2024 - 25</td><td>20</td><td>20.10</td></tr>
<tr><td>05</td><td>2025 - 26</td><td>30</td><td>31.25 *</td></tr>
<tr><td>06</td><td>Apl.26-Sept.26</td><td>-</td><td>3.97</td></tr>
</table>
Ref. Annexure – XVIII and Table No 1.1 of Annex XVIII).
* Due to additional requirement</td></tr>
<tr><td>(ix)</td><td>The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.</td><td>IFFCO Kalol unit is contributing towards various social welfare measures in nearby villages and localities under IRDP schemes. Those measures include road construction, sanitation facilities, medical camps, drinking water supply. Details are attached as Ref. Annexure – XVIII and Table No 1.1 of Annex XVIII).</td></tr>
<tr><td>(x)</td><td>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.</td><td>Every year IFFCO Kalol earmark sufficient funds towards capital cost and recurring cost to implement environment management/ operate existing pollution control measures. The funds so earmarked for environment management/ operate existing pollution control measures are not diverted for any other purpose.</td></tr>
<tr><td>(xi)</td><td>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.</td><td>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 Sarpanch of nearby villages. Copies of receipt of Acknowledgement are attached as Annexure - XXIV.</td></tr>
<tr><td>(xii)</td><td>The project proponent shall also submit six monthly reports on the status of compliance of the stipulated Environmental Clearance conditions including results of monitored data (both in hard copies as well as by e- mail) to the respective Regional Office of MoEF&CC, the respective Zonal Office of CPCB and SPCB. A copy of Environmental Clearance and six monthly compliance status report shall be posted on the website of the company.</td><td>Noted, IFFCO Kalol Unit submit compliance report of EC conditions to Regional Office of MOEF & CC, Zonal office of CPCB & GPCB for every six months.

Copy of Environmental Clearance and six-monthly compliance status report has been posted on the website of IFFCO.</td></tr>
</table>

Sr. No.	Conditions	Compliance Status
(xiii)	The environmental statement for each financial year ending 31st March in Form-V as is mandated shall be submitted to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the respective Regional Offices of MoEF&CC by e-mail.	Yes, every year the environmental statement for each financial year ending 31st March in Form-V is submitted to GPCB. Copy of Environmental statement (Form V) for Year 2025 - 26 submitted to GPCB is attached as Annexure - XX. Same is also uploaded on the IFFCO website along with the status of compliance of environmental clearance conditions. Soft copy of same is sent to Regional Office of MoEF&CC, Gandhinagar by email.
(xiv)	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.	IFFCO had advertised information related to Environment clearance in two local newspapers one in Gujarati and another in English. Copies of advertisement published in Newspapers, such as Divya Bhaskar and Times of India are attached as Annexure – XXV.
(xv)	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.	CTE No. 72249 dated 29/04/2024 obtained from GPCB for Expansion and Modernisation of Existing Fertilizer Plant for Manufacturing Nano Fertilizer and Nano Micronutrients. CTO / Amendment to CCA No. AW-137098 issued date 19/09/2024 vide letter no. GPCB/CCA-GNR-95(13)/ID-16444/824312 dated 14.10.2024, obtained from GPCB.
(xvi)	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

ANNEXURE IA

LATEST ENVIRONMENTAL CLEARANCE

(DATED 16.04.2024)

ANNEXURES

सत्यमेव जयते

File No: J-11011/60/2009-IA-II(I)
Government of India
Ministry of Environment, Forest and Climate Change
IA Division
****

Date **16/04/2024**

To,

DG Inamdar Inamdar
INDIAN FARMERS FERTILIZER COOPERATIVE LIMITED (IFFCO)
IFFCO Sadan, C-1, Court Chowk Road, Saket District Centre, District Centre, Sector-6, Saket, New Delhi , SOUTH, DELHI, , 110017
iffcofertilizer2020@gmail.com

Subject: Grant of prior Environmental Clearance (EC) to the proposed project "**Expansion and Modernization of Existing Fertilizer Plant for Manufacturing of Nano Fertilizer and Nano Micronutrients" at Plot no. 712/846, 855, 856 of Saij,17-37 of Dhanej, Kasturinagar, GIDC Kalol, District-Ghandhinagar, Gujarat by M/s Indian Farmers Fertilizer Cooperative Limited** " 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/IND3/459862/2024 dated 25/1/2024 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.	EC24A1904GJ5656091N
(ii) File No.	J-11011/60/2009-IA-II(I)
(iii) Clearance Type	Fresh EC
(iv) Category	A
(v) Project/Activity Included Schedule No.	5(a) Chemical fertilizers ,5(a) Chemical fertilizers
(vi) Sector	Industrial Projects - 3
(vii) Name of Project	Expansion and Modernization of Existing Fertilizer Plant for Manufacturing of Nano Fertilizer and Nano Micronutrients" at Plot no. 712/846, 855, 856 of Saij,17-37 of Dhanej, Kasturinagar, GIDC Kalol, District- Ghandhinagar, Gujarat
(viii) Name of Company/Organization	INDIAN FARMERS FERTILIZER COOPERATIVE LIMITED (IFFCO)

(ix) Location of Project (District, State)	GANDHINAGAR, GUJARAT
(x) Issuing Authority	MoEF&CC
(xi) Applicability of General Conditions as per EIA Notification, 2006	No

3. The proposal is for the Environmental Clearance to the Expansion and Modernization of Existing Fertilizer Plant for Manufacturing of Nano Fertilizer and Nano Micronutrients" at Plot no. 712/846, 855, 856 of Saij,17-37 of Dhanej, Kasturinagar, GIDC Kalol, District- Ghandhinagar, Gujarat by M/s Indian Farmers Fertilizer Cooperative Limited.

4. The project/activity is covered under Category 'A' of item 5(a), Chemical Fertilizer industry of Schedule of Environment Impact Assessment (EIA) Notification, 2006 (as amended).

5. 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 para 7(ii). The proposal was placed in 74th EAC meeting held on 7th February, 2024, wherein the 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.

6. The proposed project is "Expansion and modernization of existing fertilizer unit with respect to enhancement of Ammonia production and change of product profile of Nano Urea (4% to 20% nitrogen) content with change in process technology of Nano Fertilizer leading to raw material mix change" located at Plot no. 712/846,855,856 of Saij, 17-37 of Dhanej, Kasturinagar, Kalol GIDC, District-Gandhinagar, Gujarat. Latest Environmental Clearance was granted to plant from MoEF&CC vide F.No. J-11011/60/2009-IA-II(I) (EC Identification no: EC23A016GJ154380) dated 07/03/2023. Consent to operate for the same issued vide CCA-Amendment No AWH-129869 issue dated 21.10.2023 valid till 10.03.2028. Now, IFFCO Kalol has proposed "Expansion and modernization of existing fertilizer plant by enhancing the production of ammonia and change of Nano urea product profile to Nano Urea (4% to 20% nitrogen content) and change in the raw material mix due to process technology change of Nano Fertilizer within the existing plant without any change in the production capacity of Nano fertilizer. Therefore, after proposed expansion and modernization, the total production capacity of ammonia shall change from 4,01,500 MTPA to 4,16,100 MTPA without any change in pollution load except the increase in total water demand.

7. Earlier Expansion of Urea production was bifurcated in two stages which were Phase I i.e., enhance Urea production with Supply of Rich gas and Nano-fertilizer project-I and Phase II i.e., enhance Urea production with Supply of lean gas with installation of Carbon dioxide Recovery Unit (CDR). Modification in the plant has already been done as per the Phase I and installation of Nano fertilizer project has been completed. However, Phase- II will be implemented only when there will be supply of lean gas. In phase II, 200 MTPD of CO2 shall be recovered from the flue gas through CDR for production of Urea. Nano-fertilizer (Nano-I & II) Plant has been established in the existing premises. Now unit has proposed "Expansion & modernization only with respect to enhancement of production of ammonia considering the reassessed capacities along with change in product profile of NANO Urea to Nano Urea (with 4% to 20% Nitrogen content) with change raw material mix and process technology of Nano Fertilizer without any change in the production capacity of Nano Fertilizer.

8. There shall be no change in the project cost as the Expansion & modernization is proposed within the existing facilities for enhancement of Ammonia within existing unit based on reassessed capacity at 1140 MTPD as per Casale revamp & modernization of Ammonia plant with on stream days of 365 in a year.

9. The PP reported that the Existing land area is 95.5158 Ha. No additional land will be required for proposed expansion and modernization and no R& R is involved in the Project. 33.43 ha land area (35% of total plot area) has been earmarked for greenbelt development. The details of products to be manufactured are as follows:

Product	**Unit**	**As per Latest EC granted**	**Additional/ Proposed**	**After Expansion**	**Remarks**
Ammonia	MTPA	4,01,500	14,600	4,16,100	Increase in production based on reassessed

					capacity at 1140 MTPD as per Casale revamp & modernization of Ammonia plant with on stream days of 365 in a year. There is no increase in gaseous emission. Environment related parameters from the stack of Primary reformer is well within the limit.
Urea (100%) (Fertiliser Grade/Tech Grade)	MTPA	6,75,000 max or	0	6,75,000 max or	No changes as per EC Granted
Urea (100%) or & Diesel Exhaust Fluid (32.5% of Urea Solution)	MTPA	5,44,500 & 4,01,538 i.e.,(Equivalent to 1,30,500 of 100% Urea) max or #	0	5,44,500 & 4,01,538 i.e.,(Equivalent to 1,30,500 of 100% Urea) max or #	No changes as per EC Granted
Urea (100%) or & Diesel Exhaust Fluid (40% of Urea Solution)	MTPA	5,44,500 & 3,26,250 i.e.,(Equivalent to 1,30,500 of 100% Urea) max #	0	5,44,500 & 3,26,250 i.e.,(Equivalent to 1,30,500 of 100% Urea) max #	
Nano Fertilisers @ (a) **Nano Urea (4% to 20% Nitrogen**) & (b) Nano Micro Nutrients (Nano Zinc/ Nano Copper/ Nano Boron/ Nano Sulphur) (c) Nano DAP	KLPA	100375	-	100375**	Change in Nano fertilizer process technology and product formulation of nano Urea
Note - # Depending upon the requirement of urea fertilizer in the market, there shall be variation in quantity of DEF (32.5% and/or 40% urea Solution) production. The total urea production shall, however, be limited to 6,75,000 MTPA (Maximum) under all the above combinations. ***** Products shall be manufactured in any combination or single product in both plants i.e., Nano I & Nano II on demand basis. However, total capacity of plant will be limited to 100375 KLPA***.					

10 The PP reported that there is no violation case as per the Notification No. S.O. 804(E) dated 14.03.2017 and no direction is issued under the E(P) Act/Air Act/Water Act.

11. Ministry had issued EC earlier vide letter no **J-11011/60/2009-IA-II(I)**dated **07.03.2023** for project "**Expansion of Existing Fertilizer Plant for Manufacturing of Nano Fertilizer and Nano Micronutrients at Plot no. 712/846,855, 856 of Saij,17-37 of Dhanej, Kasturinagar, Kalol GIDC, District - Gandhinagar, Gujarat- 382423"** by M/s Indian Farmers Fertilizer Cooperative Limited (IFFCO)

12. The PP reported that Certified compliance was issued by IRO, MoEF&CC Gandhinagar on 27.12.2023. As per the report, out of total 42 conditions, 31 are complied, 2 are partly complied and 5 are agreed to comply by the project proponent, 3 conditions are noted by the unit whereas 1 condition is not applicable to the unit. Response of partly complied point was submitted by IFFCO to IRO, MoEF&CC. Following point wise reply submitted vide letter dated 7.1.2024 to observations as per Certified monitoring and Compliance report , received from RO, MOEF&CC,

Gandhinagar:

Sr. No.	EC Condition (Observations made by IRO)	Compliance Status (Response by PP)
1	**Specific condition No (xi) as per EC dated 1.2.2021** Totalfreshwaterrequirementshallnotexceed10371cum/day proposed to be met from existing watersupply from Narmada canal to the IFFCO Kalol unit. Necessary permission in this regard shall be obtained from the concerned regulatory authority, and renewed from time to time. **Specific condition No iv of EC dated 24.8.2021** Total fresh water requirement shall not exceed 10069 KLD (in Phase I) and 10493 KLD (in Phase II). Prior permission in this regard shall be obtained from the concerned regulatory authority **Specific condition No iv of EC dated 7.3.2023** The total freshwater requirement after expansion will be 10190KLD (in Phase-I) and10614 KLD (in Phase-II).Freshwater will be met by Sardar Sarovar Narmada NigamLtd.(SSNNL). ThePPshouldensurethatwatersupplyshouldnotbeabovethepermissiblelimitasmentioned in the letter and fresh water shall be withdrawal only after obtaining prior agreement from Concerned Authority. The PP should submit the details of utilization to the Integrated Regional Office(IRO),MoEF&CCbefore1stJulyofeveryyearfortheactivitiescarriedoutduringthe previous year.	Party complied During visit it was informed that their water requirement is as per EC F.NoJ-11011/60/2009-IA-II(I) dated 7th March 2023 which is well within the prescribed limit of 10190 KLD (In phase I) . The value of raw water consumption varies from 9588.67 m3/day – 10231.93 m3/day. The unit is having valid agreement with M/s Sardar Sarovar Narmada Nigam Ltd (SSNNL) for supply of Narmada Canal Water and is valid up to 22/02/2026. Copy of agreement is submitted . **Reply :**Average daily raw water consumption for the period October 2022-March 2023 was 10327 KLD which is higher due to utilization of fresh water for construction activities at Nano fertilizer complex and for development of green belt activities around Nano fertilizer complex. However, average daily raw water consumption for the period April 2023-December 2023 was 9876 KLD which is

		less than the limit of 10190 KLD. Details of average daily water consumption (Month-wise) for the period October 2022- March 2023 & for the period April 2023 – December 2023 is attached herewith as Annexure -I ,

Sr. No.	Condition	Compliance Status & Reply to queries
2	**Specific condition No vi of EC dated 1.2.2021** As proposed, atleast Rs.36.5lakhs shall be earmarked for conservation plan and shall be implemented in coordination with State Forest & Wildlife Department/Local Village Administration.	Party complied. As per the records furnished during the site visit, it was observed that Rs.36.5lakhs has been earmarked for wildlife conservation plan After review by the Range Forest Officer, Kadi Wildlife Range, Revised wildlife conservation plan incorporating GPS location has been submitted at his office on 9.8.2021 vide letter No EPC/02/1365 for approval of the plan. The unit is directed to submit copy of wildlife conservation plan with details of activities undertaken and completed to this office. **Reply:** Reminder Letter no. EPC/02/3005 dated 16.1.2024 submitted in the office of Principal Chief Conservator Forests (Wildlife), Gujarat state is submitted. Approval of wildlife conservation plan is awaited from State Forest Department
3	**General observation (Ref clause No ii of summary note of letter issued by RO, MOEF&CC, Gandhinagar** No major non compliance has been observed during the site inspection. It is further advised to explore the feasibility of reducing dust from the prilling tower.	**Reply :**Urea Plant was commissioned in 1975. Free fall height of prill tower is 51.7 m and till March 2015, In prilling process urea melt (with the concentration of 99.4% with moisture content of 0.6%) is pumped to top of prilling tower and fed into prilling bucket. Earlier conventional prill bucket of SIMCO Make was utilized. During that period, prill tower emission was in the range of 120 - 130 mg/Nm3 which was well within the prescribed limit of 150 mg/NM3. As a part of resource conservation and environment protection with respect to reduction of particulate emission, VibroPriller developed by M/s Grace Engineering ,Ukrain was installed and commissioned in April 2015. This has resulted in following benefits. 1. Reduction in prill tower emission from 120 – 130 mg/Nm3 to less than 100 mg/Nm3 2. Reduction in Frequency of shutdown of prilling section due to less scrapper build up / less deposition of materials. 3. Uniform prill size distribution (with less than 1 mm size prills is less than 1%) resulting in reduced dust generation. 4. Increase in crushing strength of urea prills 5. Number of batches of dust dissolving in tank has reduced by 30 to 40%. 6. Reduction in urea prill temperature by about 10 deg C at the bottom of

		prill tower resulting in reduction in load on prill cooling system. Moisture content in urea melt is reduced from 0.6% to 0.5% in the prilling process and there is also release of water vapour alongwith urea dust emission from the top of prill tower. After installation of VibroPriller, prill tower emission is less than 100 mg/Nm3. Analysis report as per Gujarat Pollution Control Board and report is submitted by Schedule I auditor. Since the prill tower is of 1975, installation of dust recovery system at the top of prill tower will result in additional load over prilling tower.

The Committee was satisfied with the response of PP.

13 The PP reported that there are no national parks, wildlife sanctuaries, Biosphere Reserves, Tiger/Elephant Reserves, Wildlife Corridors etc. within 10 km distance from the project site. It is reported that Thol Bird Sanctuary (11.4 Km, SW). Two river/Canal/water bodies are present in 10 Km radius of project site i.e., Narmada Canal (2.8 Km, S) and Sabarmati River (12.8 Km, ESE). *Pavo cristatus* (Indian Peafowl) and *Varanus bengalensis* (Monitor Lizard) which are Schedule-I species have been identified in the study area. Conservation plan for the same has been prepared and submitted to CWW for approval.

14. Ambient air quality monitoring was carried out at 8 locations during 1st October 2021 to 31st December 2021 and the baseline data indicates the range of concentrations as PM10 (43 – 90 µg/m3), PM2.5 (19 - 49 µg/m3), SO2 (5.14 – 16.20 µg/m3) and NO2 (13.40 – 29.20 µg/m3), NH3 (18.50 – 48.40 µg/m3) and CO (0.58 – 1.32 mg/m3). All parameters are within the National Ambient Air Quality Standards (NAAQS).

15. The PP reported that after Expansion & modernization, there will be requirement of additional 475 KLD of freshwater which will be suffice by existing supply. The total freshwater requirement will increase to 10665 KLD (Phase-I without CDR) and further increase to 11089 KLD (Phase-II with CDR). Fresh water is being met by Sardar Sarovar Narmada Nigam Ltd. (SSNNL).The total wastewater generation after expansion in Phase I and Phase II will change from 1459 KLD (Phase I) to 1492 (increase by 33 KLD) and 1519 KLD (Phase II) to 1560 (increase by 41 KLD) respectively. Wastewater streams are segregated into two categories i.e., Weak effluent containing – Low TDS and Strong effluent containing - High TDS. Normally weak effluent (Containing less TDS) from water treatment plant, HCl storage tanks fumes scrubber are collected in Neutralization tank. The effluents collected from domestic open channel network including cooling water blow down, sand filters back wash, effluents from knockout drums & surface drain are collected in bulk effluent tank by an underground line of 350 mm dia. The strong / off-spec. effluent especially from urea plant (in case of upset condition) and partly from DM plant during regeneration of ion exchange units (after segregation) is collected in strong effluent storage tanks in ETP. Same is pumped to Off-Spec effluent pond having capacity of 40,000 m3 and is allowed for natural evaporation. Treated water from Bulk Effluent tank is being used for horticulture/ gardening/ green belt development purpose within the plant area. The treated water is meeting the desired quality norms as per GPCB. Online monitoring instruments for measurement of pH, flow and ammonical nitrogen at the discharge line of ETP have been installed and connectivity has been established with GPCB & CPCB Servers. In existing plant, the domestic wastewater is partially treated in the existing ETP, and flushing wastewater is discharged to soak pits. For nano fertilizer plant, ETP plant has already been set up with total capacity of 35 KLD. Out of 35 KLD, MEE, Stripper and ATFD will have capacity of 25 KLD. Treated water will be reused for horticulture/ gardening/ green belt development purposes. Prior approval has been taken to reuse treated water in horticulture/ gardening/ green belt as per CPCB guidelines.

16. There shall be no change in the power requirement. The power requirement after expansion will be 282 MWH in Phase-I and 305 MWH in Phase-II which will be sourced from Uttar Gujarat Vij Company Ltd. (UGVCL). There is continuous power supply from UGVCL. For Power backup, additional 2 x 250 KVA DG set is proposed with stack height of 12.8 m along with existing DG sets of capacity 2200 KW & 860 KW will be used. Stack (24 m for 2200 KVA, 22 m for 860 KVA) is provided as per CPCB norms to the existing DG sets.

17. Existing unit has 1 nos. of Natural gas-based boilers (80 TPH). During normal course of operation of Nano Fertiliser Plant, surplus LP Steam available from Urea-Ammonia Plant is being used. However, during shutdown of Ammonia-Urea

plant, there is requirement of LP steam for normal operation of Nano Fertilizer Plant. Therefore, a standby boiler of 6 TPH will be installed with 30 m stack height to meet steam requirement of Nano-Fertilizer plant. Approval for additional boiler was taken in earlier Environmental clearance letter. Stack of 35 m has been provided for 80 TPH capacity boiler.

18. Details of Fuels:

Particular	**Type of Fuel**	**As per EC**		**After Expansion**	
		Phase I	**Phase II**	**Phase I**	**Phase II**
Steam Boiler	Natural Gas	0.15 MMSCMD	0.16 MMSCMD	0.15 MMSCMD	0.16 MMSCMD
DG Set –2200 KW & 860 KW & 2X250 KVA **	HSD	440 litre/hr	440 litre/hr	560 litre/hr	560 litre/hr

Details of Flue gas & Process emissions generation and its management:

S. No.	**Stack Attached**	**Fuel Used**	**APCM**	**Expected Pollutants**	**Status**
Existing Stacks					
1	Steam Boiler – 80000 kg/hr	Natural gas	35 m Stack height	PM, SO2 & NOx	Already Installed
2	DG Set –2200 KW & 860 KW	HSD	24 m for 2200 KW & 22 m for 860 KW	PM, SO2 & NOx	Already Installed
3	Steam Boiler (6 TPH)	Natural gas	30 m stack Height	PM, SO2 & NOx	Shall be installed (Approval was taken in earlier EC)
Proposed Stacks					
1	DG Set – 2 x 250 KVA	HSD	12.8 m stack Height	PM, SO2 & NOx	Shall be installed
Process Stacks / Vents					
Existing Stacks					
1	Prilling Tower – 4 Nos	-	Stack Height 68.5 m with Induced Draft, Vibropriller.	PM	Already Installed
2	Ammonia Scrubber	-	Venturi Water scrubber & 71 m stack Height	NH3	Already Installed
3	Ammonia Plant Primary Reformer	-	Stack Height of 40 m	PM, SO2 & NOx	Already Installed

Details of Solid waste/ Hazardous waste generation and its management. There is no change in the quantity of Waste generation after proposed modernization and expansion.

Sr. No	**Name of Waste**	**Source of Generation**	**Category No. (As per Sch-I&II 2016)**	**Quantity**	**Mode of Treatment & Disposal Method**
1	Discarded Barrels/ Containers/ Liners contaminated with hazardous chemicals / wastes	Storage & Handling of Raw Materials	Sch-I/33.1	1500 Nos. Containers/Barrels /Year, & 15000 Nos. HDPE Drums	Collection, Storage, Decontamination, and sale to authorized decontamination facility/ authorized recycler.
2	Bags contaminated with hazardous	Storage & Handling of Raw Materials	Sch-I/33.1	150 MT/Year HDPE Bags	Collection, Storage, and sale to authorized recycler.

	chemicals / wastes				
3	Used oil/ Spent Oil	Process	Sch-I/5.1	88.8 MTPA	Collection, storage in MS drum, transportation and disposal by selling to registered Re-refiners.
4	ETP Sludge	In-house ETP	Sch-I/35.3	180 MTPA	Collected in Drying Pits, stored in HDPE bags, Transported and disposed off to GPCB approved TSDF site.
5	Phosphoric acid Sludge	From solids settling in Phosphoric acid storage tank	-	150 MTPA	This will be collected, dried, stored in HDPE bags and transported to IFFCO Kandla by road for use in DAP Manufacture.
6	Spent Catalyst	Ammonia/Urea Process	Sch –I/ 18.1	100 MTPA	Collection, storage, transportation and disposal by selling to registered and authorized recyclers.
7	Spent Carbon	Ammonia/ DM Plant Process	Sch–I/ 18.2	228 MTPA	Collection, storage in HDPE bags, Transportation and disposal to authorized TSDF site / Co-processing at authorized cement industries.
8	Spent Resin	DM Plant Process	Sch–I/ 35.2	228 M3/Year	Collected and stored in HDPE bags, Transported and disposed off to authorized TSDF site / Co-processing at authorized cement industries.
9	MEE Sludge	In-house MEE & ETP (Proposed Nano Fertiliser plant)	Sch-I/35.3	91.25 MTPA	Shall be Collected in Drying Pits, stored in HDPE bags, Transported, and disposed off to GPCB approved TSDF site.
Note: *Actual generation quantities of hazardous wastes are much lower than the quantity mentioned in CCA and same is likely to continue even after the proposed expansion for few wastes.*					

19. The Budget earmarked towards the Environmental Management Plan (EMP) is 5857.1 Lakhs(capital) and the Recurring Cost (operation and maintenance) will be about 1657.5 Lakhs / year. Industry proposes to allocate Rs. 62 Lakhs towards Corporate Environment Responsibility.

20 .Industry will maintain green area of 47.4266 Ha which is 49.65% of total plot area. As per MoEF&CC requirement, it is mandated to have 33% of green area exclusively for green belt thus, 33.43 Ha of area which is 35% of plot area is provided with green belt area having dense trees and rest area within green area is provided with shrubs, herbs, and lawn.

21. The PP reported that the Public hearing is exempted as as per clause 7(ii)(a) as per OM dated 11th April 2022 & the unit lies in the notified industrial area i.e. GIDC kalol, which declared as on vide notification dtd 7th March, 1973 (as per clause 7 (i) (iii) stage (3)(i)(b) of EIA notification 2006 (as per OM J-11011/321/2016-IA. II(I) dated 27th April 2018)

22. The PP proposed to set up an Environment Management Cell (EMC) by engaging Environment officials for the functioning of EMC.

23. The PP submitted the Disaster Management Plan and On-site and Off-site Emergency Plans in the EIA report.

24. No major additional cost under proposed expansion & modernization is envisaged as the slight capacity enhancement/ expansion of Ammonia plant is proposed without any change in equipment based on the reassessed capacity. Also, change

in raw material mix for Nano DAP and Nano urea with change in product profile of Nano urea is proposed without any change in capacity or plant configuration. There shall be additional **Rs 50 Crores for CDR** in case of lean gas supply in ammonia plant. CDR will be installed only when the supply of Natural gas changes to Lean gas from Rich gas.Total Employment in the plant is approx. 2000persons during operation phase. No further increase in employment is proposed.

25. Deliberations by the EAC : During deliberations, EAC discussed the following issues:

1. PP informed that the municipal solid waste generation at the project site is 400 kg/day which is being segregated in biodegradable waste and recyclable waste. Recyclable waste is being sold off to different authorized vendors. Biodegradable waste is being sent to municipal land fill site through authorised agency. After expansion, 500 kg/day of municipal waste will be generated. As a part of zero solid waste management following measures have been considered for implementation. Canteen waste generated in plant canteen shall be converted into manure using composting machine having capacity of 50 kg/hr and curing chamber (2 Nos) of 25 kg capacity each. Horticulture waste generated in the complex shall be converted into compost and shall be used for within the complex for gardening and horticulture.
2. PP has submitted revised capital and Recurring cost of EMP. Capital cost and recurring cost earmarked is Rs. 5898.1 lakh and 1660.5 lakh per annum.

Break up of Recurring cost of Occupational Health centre at IFFCO Kalol Plant

Sr. No.	**Details for the year 2022 - 2023**	**Rs. in Lakhs**
1	Cost of medical check-up of employees	10.5
2	Cost of medicines utilized towards treatment of patients	168
3	Cost of Annual maintenance contract for medical equipment	0.86
4	Cost of collection and disposal of biomedical waste for incineration by GPCB approved Agency	1.2
5	Total cost towards medical bills (Normal and SMS) of employees and dependents	300.2
6	Operational cost of Ambulance used in plant dispensary	14.1
Total		**495**

ENVIRONMENTAL MANAGEMENT COST BREAKUP

Sr. No.	**Particulars**	**Existing expenditure**			
		Capital Cost (In Rs lakhs)	**Remarks**	**Recurring Cost (2022-23) (In Rs lakhs/yr)**	**Remarks**
1	Air pollution control schemes	696.4	Dust extraction system, Ammonia recovery unit, scrubber in Urea Plant, etc.,	195	Cost of electricity, maintenance, and manpower for Dust extraction system, Ammonia recovery unit, scrubber in Urea Plant, etc.,
2	Water pollution control schemes	4182.3	Installation of ETP, ETS, MEE, STP, Hydrolyser	687	Cost for Chemicals, electricity, maintenance and manpower for ETP, ETS, MEE, STP, Hydrolyser and Water supply
3	Hazardous Waste Management	15	Cost of hazardous waste storage shed and ETP sludge drying bed	3	Cost incurred for disposal Hazardous waste like ETP Sludge & spent resin
4	Solid waste Management	26	Cost of civil structure, composting machine	44.5	AMC For solid waste Management
5	Environment monitoring and management	187.9	Air emission monitoring instruments including ambient air monitoring station, Noise monitoring instruments, Water pollutants monitoring instrument, Continues ambient air monitoring station, AMC / Calibration of Environment related	140	Recurring cost including manpower cost, cost of chemicals and glassware, AMC of instruments, Environment sampling and analysis by third party agency.

			instruments, Online analyzer for Ammonical Nitrogen with GPCB/CPCB connectivity. Ammonia gas detector system, Chlorine gas detector system		Recurring cost includes Fees paid to schedule-I auditor, Fees paid to GPCB towards analysis charges, fees paid to ISO 14001 certification, manpower cost.
Sr. No.	**Particulars**	**Existing expenditure**			
		Capital Cost (In Rs lakhs)	**Remarks**	**Recurring Cost (2022-23) (In Rs lakhs/yr)**	**Remarks**
6	Occupational health	48.5	Cost Spent toward OHC infrastructure	495	Recurring cost includes, medical checkup of employees, medical reimbursement to employees and dependents, medicine supplies to Dispensary (OHC), Ambulance with two drivers, disposal of bio medical waste for incineration, annual maintenance cost of medical equipment.
7	Greenbelt development	742	Cost spent for Planting Trees at various locations including at NFP-1 & NFP-2	96	AMC for maintenance & development of gardens, greenbelt development.
	Total	**5898.1**		**1660.5**	

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.

26. The EAC, after detailed deliberations, recommended the project for the grant of environmental clearance, subject to the compliance of the specific terms and conditions and general terms and conditions at Annexure 1.

27. Based on the recommendations made by EAC (Industry- 3) in its 74th EAC and 75th EAC meetings held on 6-7th Feb 2024 and 26th February 2024 respectively, Ministry of Environment, Forest and Climate Change hereby accords Environmental Clearance to the project to set up "**Expansion and Modernization of Existing Fertilizer Plant for Manufacturing of Nano Fertilizer and Nano Micronutrients" at Plot no. 712/846, 855, 856 of Saij, 17-37 of Dhanej, Kasturinagar, GIDC Kalol, District- Ghandhinagar, Gujarat by M/s Indian Farmers Fertilizer Cooperative Limited**" under the provisions of the EIA Notification, 2006, and the amendments therein. 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.

28. 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.

29. 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.

30. 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.

31. 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.

32. 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.

33. 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.

34. 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.

35 . 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. District Collector Office, District Collector & Jilla Seva Sadan Kacheri, Near Pathika Ashram, GH Road, Sector 11, Gandhinagar, Gujarat - 382017.
7. Guard File/Monitoring File/PARIVESH

Annexure 1

Specific EC Conditions for (Chemical Fertilizers)

1. Specific Conditions

S. No	EC Conditions
1.1	(i) As proposed, the manufacturing process of nano-fertilizer plant is a closed loop reactor vessel setup with regulated control and steam being produced in the existing plants is being used for operation of plant. Stack of adequate height shall be provided to Additional gas fired LP Boiler of 6 TPH for Nano Fertiliser plant. Stack of adequate height shall be provided to additional DG set of 2x250 KVA as per CPCB guidelines. (ii) 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. (iii) Total fresh water requirement from Sardar Sarovor Narmada Nigam Ltd. shall not exceed 10665 KLD after expansion in Phase-I without CDR and 11089 KLD in Phase–II with CDR. (iv) NOC from the Concerned Local authority shall be obtained before start of the construction of plant and drawing of the surface water for the project activities, State Pollution Control Board / Pollution Control Committees 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. (v) The total wastewater generation after expansion in Phase I and Phase II of the fertilizer complex shall not exceed 1492 KLD and 1560 KLD respectively. Out of which, effluent generation from nano fertilizer plant shall not exceed 35 KLD. Effluent from nano fertilizer plant shall be treated in the ETP of 35 KLD comprising MEE, Stripper and ATFD have a capacity of 25 KLD. Sewage Treatment Plant (Capacity 30 KLD) based on MBR Technology has been installed in the Nano-fertilizer plant. Treated effluent from above said ETPs & STP shall be recycled/reused within plant premises and there shall be no discharge of wastewater outside and thus establishing ZLD within the project site. (vi) The PP shall develop greenbelt of at least 10 m width over an area of 33.43 ha within the project site mainly along the plant periphery, preferably within a year of the grant of EC. Adequate tree saplings selected for the plantation should be of sufficient height, preferably 6-ft shall be planted in greenbelt area. 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

S. No	EC Conditions
	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. (vii) A separate Environmental Management Cell (having qualified person with Environmental Science/Environmental Engineering/specialization in the project area) equipped with full-fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions. 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. (viii) 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 already spent under EMP is 5898.1 lakhs (Capital cost) and 1660.5lakhs 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. (ix) 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. (x) The project proponent shall comply with the environment norms for Fertlizer 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. (xi) 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. (xii) All the hazardous waste shall be managed and disposed as per the HWM Rules 2016. Hazardous waste such as Distillation Residue and Off Specification Products shall be either sent to common incineration site or sent for coprocessing. Solid waste shall be segregated into dry and wet garbage at site in accordance to the Solid Waste Management Rules, 2016. Wet waste shall be converted into compost and used as manure for greenbelt development. (xiii) 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. 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. (xiv) 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. (xv) Continuous online (24x7) monitoring system for stack emissions shall be installed for measurement of flue gas discharge and the pollutants concentration, and the data to be transmitted to the CPCB and SPCB servers. For online continuous monitoring of effluent, the unit shall install web camera with night vision capability and flow meters in the channel/drain carrying effluent within the premises. (xvi) The storage of toxic/hazardous raw material shall be bare minimum with respect to quantity

S. No	EC Conditions
	and inventory. Quantity and days of storage shall be submitted to the Regional Office of Ministry and SPCB along with the compliance report. (xvii) 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. (xviii) 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. (xix) 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. (xx) 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 fire proof. The solvent storage tanks shall be provided with breather valve to prevent losses. (f) All the solvent storage tanks shall be connected with vent condensers with chilled brine circulation. (xxi) 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. (xxii) 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. (xxiii) 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

S. No	EC Conditions
	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 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

S. No	EC Conditions
	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 IB

EARLIER ENVIRONMENTAL CLEARANCE

(DATED 07.03.2023)

ANNEXURES

ENVIRONMENTAL CLEARANCE

PARIVESH

(Pro-Active and Responsive Facilitation by Interactive, and Virtuous Environment Single-Window Hub)

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

To,

The Director

INDIAN FARMERS FERTILIZER COOPERATIVE LIMITED (IFFCO)

IFFCO Kalol Unit, P.O. Kasturi Nagar, District Gandhinagar, North Gujarat – 382423,,Gandhinagar,Gujarat-382423

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

Sir/Madam,

This is in reference to your application for Environmental Clearance (EC) in respect of project submitted to the Ministry vide proposal number IA/GJ/IND3/412440/2022 dated 21 Feb 2023. The particulars of the environmental clearance granted to the project are as below.

1.	**EC Identification No.**	**EC23A016GJ154380**
2.	**File No.**	J-11011/60/2009-IA-II(I)
3.	**Project Type**	Expansion
4.	**Category**	A
5.	**Project/Activity including Schedule No.**	5(a) Chemical fertilizers
6.	**Name of Project**	Expansion of Existing Fertilizer Plant for Manufacturing of Nano Fertilizer and Nano Micronutrients at Plot no. 712/846, 855, 856 of Saij,17-37 of Dhanej, Kasturinagar, Kalol GIDC, District - Gandhinagar, Gujarat- 382423
7.	**Name of Company/Organization**	INDIAN FARMERS FERTILIZER COOPERATIVE LIMITED (IFFCO)
8.	**Location of Project**	Gujarat
9.	**TOR Date**	N/A

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

Date: 07/03/2023

(e-signed)
Mr. Motipalli Ramesh
Scientist E
IA - (Industrial Projects - 3 sector)

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

This is a computer generated cover page.

F. No. J-11011/60/2009-IA-II (I)
Government of India
Ministry of Environment, Forest and Climate Change
(Impact Assessment Division)
***

Indira Paryavaran Bhawan,
Jorbagh Road,
New Delhi - 110003

Dated: 7th March, 2023

To

M/s. Indian Farmers Fertilizer Cooperative Limited (IFFCO)
IFFCO Kalol Unit, P.O. Kasturi Nagar,
District Gandhinagar, North Gujarat – 382423
Email: iffcofertilizer2020@gmail.com

Subject: Expansion of Existing Fertilizer Plant for Manufacturing of Nano Fertilizer and Nano Micronutrients of production capacity (Ammonia- 4,01,500 MTPA, Urea (100%)- 6,75,000, Diesel Exhaust Fluid (DEF) (32.5% Urea Solution) upto 4,01,538 (Equivalent to 1,30,500 MTPA Urea), Nano Fertilizers @ Nano Urea/Nano Micronutrients (Nano Zinc/ Nano Copper/ Nano Boron/ Nano Sulphur)/Nano DAP (Nano I + Nano II)- 100375 KLPA) located at Plot no. 712/846, 855, 856 of Saij, 17-37 of Dhanej, Kasturinagar, Kalol GIDC, District Gandhinagar, Gujarat by Indian Farmers Fertilizer Cooperative Limited (IFFCO) - Environmental Clearance

Sir,

This has reference to your proposal No. **IA/GJ/IND3/412440/2022**, on the above subject matter.

2. The Ministry of Environment, Forest and Climate Change has examined the proposal for Environmental Clearance to the project for Expansion of Existing Fertilizer Plant for Manufacturing of Nano Fertilizer and Nano Micronutrients of production capacity (Ammonia- 4,01,500 MTPA, Urea (100%)- 6,75,000, Diesel Exhaust Fluid (DEF) (32.5% Urea Solution) upto 4,01,538 (Equivalent to 1,30,500 MTPA Urea), Nano Fertilizers @ Nano Urea/Nano Micronutrients (Nano Zinc/ Nano Copper/ Nano Boron/ Nano Sulphur)/Nano DAP (Nano I + Nano II)- 100375 KLPA) located at Plot no. 712/846, 855, 856 of Saij, 17-37 of Dhanej, Kasturinagar, Kalol GIDC, District Gandhinagar, Gujarat by Indian Farmers Fertilizer Cooperative Limited (IFFCO).

3. The project/activity is covered under Category 'A' of item 5 (a) Chemical Fertilizers of Schedule of Environment Impact Assessment (EIA) Notification, 2006 (as amended). Therefore, the project requires appraisal at Central Level.

4. The PP applied for ToR on 07.04.2022 and the Standard ToR was issued on 20.04.2022. The PP applied for Environment Clearance on 11.1.2023 in CAF and submitted EIA/EMP Report and other documents. The PP in the CAF reported that it is an **Expansion EC case.** Due to some shortcomings, the Project was referred back to PP on 19.1.2023 and reply to the same was submitted on 23.1.2023. The proposal was placed in 46th EAC Meeting held on 30th- 31st January & 1st February 2023, wherein the PP and an accredited Consultant, M/s EQMS India Pvt. Ltd [Accreditation number NABET/EIA/1922/RA 0197, valid upto 3.5.2023], made a detailed presentation on the salient features of the project and informed the following:

5. The PP reported that the existing land area is 95.5158 Ha. No additional land will be required for proposed expansion and no R& R is involved in the Project. The details of products are as follows:

Product	Unit	As per Latest EC granted	Additional/ Proposed	After Expansion	Remarks
Ammonia	MTPA	4,01,500	0	4,01,500	No changes
Urea (100%) (Fertiliser Grade/Tech Grade)	MTPA	6,75,000 max or	0	6,75,000 max or	
Urea (100%) or & Diesel Exhaust Fluid (32.5% of Urea Solution)	MTPA	5,44,500 & 4,01,538 i.e., (Equivalent to 1,30,500 of 100% Urea) max or #	0	5,44,500 & 4,01,538 i.e., (Equivalent to 1,30,500 of 100% Urea) max or #	
Urea (100%) or & Diesel Exhaust Fluid (40% of Urea Solution)	MTPA	5,44,500 & 3,26,250 i.e., (Equivalent to 1,30,500 of 100% Urea) max #	0	5,44,500 & 3,26,250 i.e., (Equivalent to 1,30,500 of 100% Urea) max #	
Nano Fertilizers @ Nano Urea/Nano Micronutrients (Nano Zinc/ Nano Copper/ Nano Boron/ Nano Sulphur) /Nano DAP (Nano I + Nano II)**	**KLPA**	**63875**	**36500**	**100375****	**Addition of Nano DAP and Nano Micronutrients (Nano Boron & Nano Sulphur)**

Note - # Depending upon the requirement of urea fertilizer in the market, there shall be variation in quantity of DEF (32.5% and/or 40% urea Solution) production. The total urea production shall, however, be limited to 6,75,000 MTPA (Maximum) under all the above combinations.

** Products shall be manufactured in any combination or single product in both plants i.e., Nano I & Nano II on demand basis. However, total capacity of plant will be limited to 100375 KLPA.

@ Nano Urea contains 40000 ppm (Min) of nitrogen, Nano Zinc contains 10000 ppm (Min) of Zinc and Nano copper contains 8000 ppm (Min) of copper.
@ Nano Boron contains 4500 ppm (Min) of Boron, Nano Sulphur contains 10000 ppm (Min) of Sulphur and Nano DAP contains 8 % of Nitrogen (Min) and 16 % of P2O5(Min).

6. The PP reported that there is no violation case as per the Notification No. S.O.804(E) dated 14.03.2017 and no direction is issued under E (P) Act/Air Act/Water Act.

7. The PP reported that Ministry had issued EC earlier vide letter no. **J-11011/60/2009-IA-II(I) dated 24.08.2021** for the existing project, Expansion/Modernization of the Fertilizer Plant. Certified compliance was given by IRO, MoEF&CC Gandhinagar on 18.07.2022. As per the report, out of total

38 conditions, 26 are complied, 4 are partly complied and 6 are agreed to comply by the project proponent, 1 condition is noted by the unit whereas 1 condition is not applicable to the unit. Response of partly complied conditions (*copy of wildlife conservation plan, details of third party carrying out monthly monitoring of AAQ and noise, details of expenditure incurred for environment management/pollution control measures*) was submitted by IFFCO to IRO, MoEF&CC on 01.11.2022.

8. The PP reported that There are no national parks, wildlife sanctuaries, Biosphere Reserves, Tiger/Elephant Reserves, Wildlife Corridors etc. within 10 km distance from the project site. Two river/Canal/water bodies are present in 10 Km radius of project site i.e., Narmada Canal (2.8 Km, S) and Sabarmati River (12.8 Km, ESE). The PP reported that no forest area is involved in the proposed project and two Schedule-I species i.e Pavo cristatus (Indian Peafowl), **Indian Monitor/Lizard** exist within 10 km study area of the project for which conservation plan has been submitted to Chief wildlife warden dated 9.8.2021

9. The PP reported that Ambient air quality monitoring was carried out at 8 locations during 1st October 2021 to 31st December 2021 and the baseline data indicates the range of concentrations as PM_{10} (43 – 90 µg/m^3), $PM_{2.5}$ (19 - 49 µg/m^3), SO_2 (5.14 – 16.20 µg/m^3) and NO_2 (13.40 – 29.20 µg/m^3), NH_3 (18.50 – 48.40 µg/m^3) and CO (0.58 – 1.32 mg/m^3). All parameters are within the National Ambient Air Quality Standards (NAAQS). Ambient Noise quality monitoring was carried out at 8 locations during the 1st October 2021 to 31st December 2021 and baseline data indicates the range of concentrations as Day Noise (49.9-62.4 dB(A)) and Night Noise (37.1-52.1 dB(A)). The noise level is within the prescribed limit in all the monitoring stations except at N3 (Kalol (Nr. Institute of Pharmacy)) and N8 (Nirma University Tragad)**.** The noise level exceeded at these locations due to nearby residential areas leading to community noise as well vehicular traffic in the area contributes to noise levels in the area.

10. Ground water quality monitoring was carried out at 8 locations during the 1st October 2021 to 31st December 2021 and baseline data indicates pH ranged between to 6.79 to 7.69 which are well within the specified standard of 6.5 to 8.5 limit. Total hardness levels were recorded in the range between 328 to 684 mg/l which is within the permissible limit 600 mg/l at all locations except at GW6 i.e., Ramnagar. The Total Dissolved Solids (TDS) concentration recorded ranged between 765 to 2160 mg/l and was within the permissible limits (2000 mg/l) at all locations except at GW1 (nearby project site). Chlorides at all the locations were within the permissible limits (1000 mg/l) as it ranged between 215 – 716 mg/l. Sulphates at all the locations were within the permissible limits (400 mg/l) as it ranged between 65 –226 mg/l. Bacteriological studies reveal that no coliform bacterial are present in the samples. The heavy metal contents were observed to be in below detectable limits. All physical and general parameters were observed within the permissible limit as per IS10500:2012 (Second Revision). Thus, it is recommended that water be filtered and disinfected prior to be given for drinking water requirements.

11. Surface water quality monitoring was carried out at 3 locations during the 1st October 2021 to 31st December 2021 and baseline data indicates pH values of all analysed samples ranged between 7.52 to 7.63. TDS levels were observed to be in range from 204 to 1220 mg/l. Total hardness levels were observed to be in the range of 142 to 286 mg/l. Dissolved Oxygen values ranged between 6.6 to 7.3 mg/l. The chlorides level was observed to be in range of 36 to 369 mg/l. Sulphate level were found to be ranging from 10 to 118 mg/l. Nitrate levels were found to be observed within the range of 9.4 to 26.5 mg/l. Total Coliform levels were found to be in the range of 120 to 4600 MPN/100 ml. Biochemical Oxygen Demand (BOD) was observed to be in range of 2.1 to 4.3 mg/l. Comparing the values of pH, DO, BOD and Total Coliforms with 'Use based classification of surface waters' published by Central Pollution Control Board; it can be seen that the analysed surface waters is

moderately polluted and classified as ***"Class 'C'*** and can be used for as Drinking water source after conventional treatment and disinfection.

12. The PP reported that total freshwater requirement after expansion will be 10190 KLD (in Phase-I) and 10614 KLD (in Phase-II). Fresh water will be met by Sardar Sarovar Narmada Nigam Ltd. (SSNNL). The total wastewater generation after expansion in Phase I and Phase II will increase from 1449.5 KLD (Phase I) to 1459 KLD (Phase I) and 1509.5 KLD (Phase II) to 1519 KLD (Phase II) respectively. Wastewater streams are segregated into two categories i.e., Weak effluent containing – Low TDS and Strong effluent containing - High TDS. Normally weak effluent (Containing less TDS) from water treatment plant, HCl storage tanks fumes scrubber is collected in Neutralization tank. The effluents collected from domestic open channel network including cooling water blow down, sand filters back wash, effluents from knockout drums & surface drain are collected in bulk effluent tank by an underground line of 350 mm dia. The strong / off-spec. effluent especially from urea plant (in case of upset condition) and partly from DM plant during regeneration of ion exchange units (after segregation) is collected in strong effluent storage tanks in ETP. Same is pumped to Off-Spec effluent pond having capacity of 40,000 m^3 and is allowed for natural evaporation. Treated water from Bulk Effluent tank is being used for horticulture/ gardening/ green belt development purpose within the plant area. In existing plant, the domestic wastewater is partially treated in the existing ETP and flushing wastewater is discharged to soak pits. For nano fertilizer plant, ETP plant will be set up which will have total capacity of 35 KLD. Out of 35 KLD, MEE, Stripper and AFFD will have capacity of 25 KLD. Treated water will be reused for horticulture/ gardening/ green belt development purposes.

13. The PP reported that the power requirement after expansion will be 282 MWH in Phase-I and 305 MWH in Phase-II which will be sourced from Uttar Gujarat Vij Company Ltd. (UGVCL). Existing unit has DG set of capacity 2200 KVA & 860 KVA as power backup. No additional DG set is proposed. Stack (24 m for 2200 KVA & 22 m for 860 KVA) is provided as per CPCB norms to the existing DG sets.

14. Existing unit has 1 nos. of Natural gas-based boilers (80,000 Kg/hr). During normal course of operation of Nano Fertiliser Plant, surplus LP Steam available from Urea-Ammonia Plant will be used. However, during shutdown of Ammonia-Urea plant, there shall be requirement of LP steam for normal operation of Nano Fertilizer Plant. Therefore, a standby boiler of 6TPH natural gas based will be installed to meet steam requirement of Nano-Fertilizer plant. Stack of 35 m has been provided for existing Boilers and 30 m stack is proposed for new 6 TPH Boiler.

15. **Details of Process Emissions Generation and its Management:**

S. No.	Stack Attached	Fuel Used	APCM	Expected Pollutants
Existing Stacks				
1	Steam Boiler – 80000 kg/hr	Natural gas	35 m Stack height	PM, SO_2 & NO_x
2	DG Set –2200 KW & 860 KW	HSD	24 m for 2200 KW & 22 m for 860 KW	PM, SO_2 & NO_x
Proposed Stacks				
3	Steam Boiler (6 TPH)	Natural Gas	30 m stack Height	PM, SO_2 & NO_x
Process Stacks / Vents				
Existing Stacks				
1	Prilling Tower – 4 Nos	-	Stack Height 68.5 m with Induced Draft, Vibropriller.	PM

2	Ammonia Scrubber	-	Venturi Water scrubber & 71 m stack Height	NH_3
3	Ammonia Plant Primary Reformer	-	Stack Height of 40 m	PM, SO_2 & NO_x

16. **Details of Solid Waste/ Hazardous Waste Generation and its Management:**

S. No.	Name of Waste	Source of Generation	Category No. (As per Sch-I&II 2016)	Quantity			Mode of Treatment & Disposal Method
				As per granted EC	Additional	Total after Expansion	
1	Discarded Barrels/ Containers / Liners contaminated with hazardous chemicals / wastes	Storage & Handling of Raw Materials	Sch-I/33.1	1500 Nos. /year	15000 Nos. HDPE Drums	1500 Nos. Containers/Barrels /Year, & 15000 Nos. HDPE Drums	Collection, Storage, Decontamination and sale to authorized decontamination facility/ authorized recycler.
2	Bags contaminated with hazardous chemicals / wastes	Storage & Handling of Raw Materials	Sch-I/33.1	-	150 MT/Year HDPE Bags	150 MT/Year HDPE Bags	Collection, Storage, and sale to authorized recycler.
3	Used oil/ Spent Oil	Process	Sch-I/5.1	88.8 MTPA	0	88.8 MTPA	Collection, storage in MS drum, transportation and disposal by selling to registered Re-refiners.
4	ETP Sludge	In-house ETP	Sch-I/35.3	180 MTPA	0	180 MTPA	Collected in Drying Pits, stored in HDPE bags, Transported and disposed off to GPCB approved TSDF site.
5	Phosphoric acid Sludge	From solids settling in Phosphoric acid storage tank	-	-	150 MTPA	150 MTPA	This will be collected, dried, stored in HDPE bags and

							transported to IFFCO Kandla by road for use in DAP Manufacture.
6	Spent Catalyst	Ammonia/Urea Process	Sch –I/ 18.1	100 MTPA	0	100 MTPA	Collection, storage, transportation and disposal by selling to registered and authorized recyclers.
7	Spent Carbon	Ammonia/ DM Plant Process	Sch–I/ 18.2	228 MTPA	0	228 MTPA	Collection, storage in HDPE bags, Transportation and disposal to authorized TSDF site / Co-processing at authorized cement industries.
8	Spent Resin	DM Plant Process	Sch–I/ 35.2	228 M^3/Year	0	228 M^3/Year	Collected and stored in HDPE bags, Transported and disposed off to authorized TSDF site / Co-processing at authorized cement industries.
9	MEE Sludge	In-house MEE & ETP (Proposed Nano Fertiliser plant)	Sch-I/35.3	0	91.25 MTPA	91.25 MTPA	Shall be Collected in Drying Pits, stored in HDPE bags, Transported and disposed off to GPCB approved TSDF site.

17. The budget earmarked towards Environmental Management Plan (EMP) is ₹ 932.9 crores (capital) and the Recurring cost (operation and maintenance) will be about ₹116 Crores per annum. Industry proposed to allocate Rs. 0.62 Crores @ 0.1% of total expansion cost towards CER.

18. The PP reported that Industry will maintain green area of 47.4266 Ha which is 49.65% of total plot area. As per MoEF&CC requirement, it is mandated to have 33% of green area exclusively for green belt thus, 33.43 Ha of area which is 35% of plot area is provided with green belt area having dense trees and rest area within green area is provided with shrubs, herbs and lawn.

19. The PP proposed to set up an Environment Management Cell (EMC) by engaging Director, Environment Health and safety officials - for the functioning of EMC.

20. The PP reported the following w.r.t carbon sequestration:

S. No.	**Species**	**Green Weight of Tree above ground level**	**Green weight (including root) (Kg)**	**Dry Weight of tree (Kg)**	**Weight of carbon in the tree (Kg)**	**Weight of CO_2(Kg)**	**Weight of CO_2 Sequestered in tree per year (Kg)**	**No of tree proposed**	**Weight of CO_2 Sequestered in tree per year (Tonnes)**
1	*Acacia senegal*	676	811.2	588.12	294.06	1078.11	107.81	1650	79.41
2	*Aegle marmelos*	784	940.8	682.08	341.04	1250.35	125.04	1840	102.71
3	*Albizia lebbeck*	956.25	1147.5	831.94	415.97	1525.07	152.51	2430	165.44
4	*Azadirachta indica*	784	940.8	682.08	341.04	1250.35	125.04	2200	122.80
5	*Bauhinia racemose*	676	811.2	588.12	294.06	1078.11	107.81	3600	173.27
6	*Bauhinia variegata*	676	811.2	588.12	294.06	1078.11	107.81	2760	132.84
7	*Bauhinia purpurea*	676	811.2	588.12	294.06	1078.11	107.81	1200	57.76
8	*Bougainvillea spectablis*	345.6	414.72	300.67	150.34	551.18	55.12	890	21.90
9	*Cassia fistula*	843.75	1012.5	734.06	367.03	1345.65	134.56	1650	99.12
10	*Dalbergia sissoo*	1152	1382.4	1002.24	501.12	1837.26	183.73	1850	151.74
11	*Delonix regia*	1152	1382.4	1002.24	501.12	1837.26	183.73	2800	229.66
12	*Ficus benghalensis*	1152	1382.4	1002.24	501.12	1837.26	183.73	3950	323.98
13	*Ficus racemose*	1216	1459.2	1057.92	528.96	1939.33	193.93	3200	277.05

14	*Ficus religiosa*	1088	1305.6	946.56	473.28	1735.19	173.52	3000	232.39
15	*Madhuca indica*	735	882	639.45	319.73	1172.21	117.22	3000	156.99
16	*Mangifera indica*	784	940.8	682.08	341.04	1250.35	125.04	1880	104.94
17	*Melia azedarach*	633.75	760.5	551.36	275.68	1010.73	101.07	1650	74.45
18	*Pongamia pinnata*	735	882	639.45	319.73	1172.21	117.22	1800	94.20
19	*Syzygium cumini*	1012.5	1215	880.88	440.44	1614.78	161.48	1890	136.25
20	*Tamarindus indica*	980	1176	852.60	426.30	1562.94	156.29	2920	203.74
21	*Tectona grandis*	833	999.6	724.71	362.36	1328.50	132.85	3210	190.38
22	*Terminalia arjuna*	784	940.8	682.08	341.04	1250.35	125.04	1740	97.13
23	*Terminalia bellirica*	784	940.8	682.08	341.04	1250.35	125.04	1640	91.54
24	*Terminalia catappa*	14.4	17.28	12.53	6.26	22.97	2.30	1490	1.53
25	*Thevetia peruviana*	6.75	8.1	5.87	2.94	10.77	1.08	760	0.37
							Total	55000	3321.22100

21. The PP submitted the disaster and Onsite and Offsite Emergency Plans in the EIA report.

22. The estimated project cost of new Nano Plant is Rs. 490 crores and additional Rs. 50 Crore for CDR in case of lean gas supply in ammonia plant. Total Employment will be 2000 persons during operation phase after expansion.

23. The PP reported that Public Hearing is exempted as the project is located in the industrial area i.e GIDC Kalol notified on 07.09.1993.

24. 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 of the ToR issued for the project, reflecting the present environmental status and the projected scenario for all the environmental components. The Committee deliberated on the proposed mitigation measure towards Air, Water, Noise and Soil pollutions. The Committee suggested 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 inter-alia, deliberated on the Greenbelt development plan, Effluent treatment plant, DAP product and advised the PP to submit the following:

- Undertaking for planting during 1st year and 2nd Year
- Revised ETP flow diagram
- Revised block diagram of Nano DAP.

The PP submitted the above information/documents and the EAC found it to be satisfactory.

The EAC deliberated the Onsite and Offsite Emergency plans and also the various mitigation measures proposed during implementation 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, and the Chemical Accidents (Emergency Planning, Preparedness and Response) Rules, 1996, as amended from time to time.

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 Experts Members of the EAC found the proposal in order and recommended for grant of environmental clearance. The minutes of the meeting are available on PARIVESH.

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.

25. Based on the proposal submitted by the PP and recommendations of the EAC (Industry-3 Sector), the Ministry of Environment, Forest and Climate Change hereby accords **Environmental Clearance for "Expansion of Existing Fertilizer Plant for Manufacturing of Nano Fertilizer and Nano Micronutrients of production capacity (Ammonia- 4,01,500 MTPA, Urea (100%)- 6,75,000, Diesel Exhaust Fluid (DEF) (32.5% Urea Solution) upto 4,01,538 (Equivalent to 1,30,500 MTPA Urea), Nano Fertilizers @ Nano Urea/Nano Micronutrients (Nano Zinc/ Nano Copper/ Nano Boron/ Nano Sulphur)/Nano DAP (Nano I + Nano II)- 100375 KLPA) located at Plot no. 712/846, 855, 856 of Saij, 17-37 of Dhanej, Kasturinagar, Kalol GIDC, District Gandhinagar, Gujarat by Indian Farmers Fertilizer Cooperative Limited (IFFCO)"** under the provisions of the EIA Notification 2006 and its subsequent amendments subject to the compliance of terms and conditions as under:-

A. Specific Conditions:

(i) The PP shall develop Greenbelt over an area of at least, 16165.45 m2 by planting 40,000(1st year) number of trees within a period of one year of grant of EC and 15,000 (2nd year) (2024). The saplings selected for the plantation should be of sufficient height, preferably 6-ft (about 2m). The budget earmarked for the plantation shall be shall be kept in separate account and should be audited annually. PP should annually submit the audited statement along with proof of activities viz. photographs (before & after with geo-location date & time), details of the 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 the previous year.

(ii) 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 Director- environment officials, 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.

(iii) 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 under EMP [₹932.9 crores (Capital cost) and ₹ 116 crores (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.

(iv) The total freshwater requirement after expansion will be 10190 KLD (in Phase-I) and 10614 KLD (in Phase-II). Fresh water will be met by Sardar Sarovar Narmada Nigam Ltd. (SSNNL). The PP should ensure that water supply should not be above the permissible limit as mentioned in the letter and fresh water shall be withdrawal only after obtaining prior agreement 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

(v) No banned chemicals shall be manufactured by the PP. No banned raw materials shall be used in the unit. The PP shall adhere to the notifications/guidelines of the Government in this regard.

(vi) 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.

(vii) The project proponent shall comply with the environment norms for Fertilizer 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.

(viii) 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.

(ix) 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.

(x) The PP shall explore possibilities for recycling and reusing of treated water in the unit to reduce the fresh water demand and waste disposal.

(xi) As committed by the PP, Zero Liquid Discharge shall be ensured. the domestic wastewater shall be partially treated in the existing ETP and flushing wastewater shall be discharged to soak pits. ETP plant shall be installed total capacity of 35 KLD. Out of 35 KLD, MEE, Stripper and AFFD will have capacity of 25 KLD. Treated water shall be reused for horticulture/ gardening/ green belt development purposes.

(xii) Continuous online (24x7) monitoring system for stack emissions shall be installed for measurement of flue gas discharge and the pollutants concentration, and the data to be transmitted to the CPCB and SPCB servers. For online continuous monitoring of effluent, the unit shall install web camera with night vision capability and flow meters in the channel/drain carrying effluent within the premises.

(xiii) 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.

(xiv) 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.

(xv) Proper Ventilation with adequate air change cycle shall be made for healthy working environment for the workers. Work Zone monitoring should be done for VOC.

(xvi) 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.

(xvii) The unit shall make the arrangement for the protection of possible fire hazards during manufacturing process in material handling. Fire-fighting system shall be as per the norms.

(xviii) 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 flame proof. The solvent storage tanks shall be provided with breather valve to prevent losses. (f) All the solvent storage tanks shall be connected with vent condensers with chilled brine circulation.

(xix) 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.

(xx) 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.

(xxi) The Plastic Waste Management (Amendment) Rules, 2022 shall be duly complied w.r.t Extended Producer Responsibility (EPR) target as a brand owner.

(xxii) 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.

B. General Conditions:

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

(ii) The 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.

(iii) The energy source for lighting purpose shall be preferably LED based, or advanced having preference in energy conservation and environment betterment.

(iv) 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).

(v) 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.

(vi) 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.

(vii) A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, ZillaParishad/Municipal Corporation, Urban local Body and the local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal.

(viii) 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.

(ix) 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.

(x) 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.

(xi) 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.

(xii) 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.

26. 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.

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

28. Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

29. The above conditions shall be enforced, *inter-alia* under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.

This issues with approval of the competent authority.

(Dr. M. Ramesh)
Scientist 'E'

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 Gandhinagar, Gujarat.
7. Guard File/Monitoring File/PARIVESH.

(Dr. M. Ramesh)
Scientist 'E'
Tel.: 011-20819338
Email: ramesh.motipalli@nic.in

ANNEXURE IC

EARLIER ENVIRONMENTAL CLEARANCE

(DATED 24.08.2021)

ANNEXURES

By Speed Post/Online

F.No. J-11011/60/2009-IA-II(I)
Government of India
Ministry of Environment, Forest and Climate Change
(Impact Assessment Division)
***

Indira Paryavaran Bhawan
Jorbagh Road, New Delhi - 110003

Dated: 24th August, 2021

To,

M/s Indian Farmers Fertiliser Cooperative Limited (IFFCO)
Kasturinagar (PO), Kalol
District Gandhinagar, Gujarat – 382 423

Email: iffcofertilizer2020@gmail.com

Sub: Expansion of Fertilizer Plant by Installation of new Nano Urea Plant at Plot No. 712/846, 855, 856 of Saij,17-37 of Dhanaj, Kasturinagar, Kalol, District Gandhinagar, Gujarat by M/s Indian Farmers Fertiliser Cooperative Limited- Environmental Clearance – regarding.

Sir,

This has reference to your proposal No. IA/GJ/IND3/217176/2021 dated 30th July 2021, submitting addendum to the EIA/EMP report on the above subject matter.

2. The Ministry of Environment, Forest and Climate Change has examined the proposal for environmental clearance to the project for Expansion of Fertilizer Plant by Installation of new Nano Urea Plant by M/s Indian Farmers Fertiliser Cooperative Limited (IFFCO) at Plot No. 712/846, 855, 856 of Saij,17-37 of Dhanaj, Kasturinagar, Kalol, District Gandhinagar, Gujarat.

3. The details of products and capacity are as under:

S. No	Product	Unit	As per EC granted on 01/02/2021	Additional / Proposed	Total after Expansion
1.	Ammonia	MTPA	4,01,500	0	4,01,500
2.	Urea (100%) (Fertilizer Grade/Technical Grade)	MTPA	6,75,000 max or	0	6,75,000 max or
3.	Urea (100%) or & Diesel Exhaust Fluid (32.5% of Urea Solution)	MTPA	5,44,500 & 4,01,538 i.e., (Equivalent to 1,30,500 of 100% Urea) max or #	0	5,44,500 & 4,01,538 i.e., (Equivalent to 1,30,500 of 100% Urea) max or #

4.	Urea (100%) or & Diesel Exhaust Fluid (40% of Urea Solution)	MTPA	5,44,500 & 3,26,250 i.e., (Equivalent to 1,30,500 of 100% Urea) max #	0	5,44,500 & 3,26,250 i.e., (Equivalent to 1,30,500 of 100% Urea) max #
5.	Nano Fertilisers (Nano-Nitrogen (Urea) / Nano Zinc/Nano Copper*) (Nano-I + Nano-II)	KL / year	27375	36500	63875

Note: # Depending upon the requirement of urea fertilizer in the market, there shall be variation in quantity of DEF (32.5% and/or 40% urea Solution) production. The total urea production shall, however, be limited to 6,75,000 MTPA (Maximum) under all the above combinations.

*** Phase I include supply of Rich gas and manufacturing unit of Nano Fertiliser products & Phase II include installation of CDR during supply of lean gas.*

** Nano Nitrogen contains 40000 ppm (Min) of nitrogen, Nano Zinc contains 10000 ppm (Min) of Zinc and Nano copper contains 8000 ppm (Min) of copper.*

4. It is noted that the project proponent has proposed for enhancement of Nano Fertilizer production by installation of new Nano-Nitrogen (Nano Urea) Plant (Nano-II) of capacity 36500 KL per annum along with Bottle manufacturing and bottling unit besides auxiliary facilities. The plant will be established over area of 2.3491 Hectares in existing premises.

It is also noted that the manufacturing process of Nano Urea comprises of polymerization reaction of carbohydrate polymer with nucleation and attachment of nanocluster with amide/nitrate particles. No source of air emission/effluent generation/hazardous waste generation is involved in the production process. It is noted that the nano-fertilizer plant will pose an example of environmental sustainability and profitability for both farmers and government.

5. It is reported that the existing land area is 95.5158 ha and expansion is proposed within the existing land area. Industry has developed greenbelt in an area of 46.18 ha which will be increased to 46.6257 ha, covering 48.8% of the project area. The estimated project cost for expansion is Rs. 225 crores. Industry has spent Rs. 4811.8 lakhs towards environmental pollution control measures. The capital cost earmarked towards environmental pollution control measures in expansion is Rs. 115 lakhs and recurring cost (operation and maintenance) for proposed project will be about Rs. 10 lakhs per annum. The project will lead to employment for 1668 persons directly & indirectly after expansion. Industry proposed to allocate Rs. 62 lakhs towards Corporate Environment Responsibility.

6. It is reported that there are no National parks, Biosphere Reserves, Tiger/Elephant Reserves, Wildlife sanctuary, Reserve forests within 10 km from the project site. Sabarmati river is flowing at 12.8 km (ESE) from the project site, and Narmada Canal is flowing at 2.8 km (S) from the project site.

7. It is noted that the freshwater requirement after expansion in Phase I including proposed nano fertilizer plant will be 10069 KLD and in Phase II with CDR and nano

fertilizer plant will be 10493 KLD. Water will be made available from existing infrastructure of Narmada Canal water supply system to IFFCO Kalol Unit.

Total effluent generation after expansion including domestic will be 1449.5 KLD in Phase I and 1509.5 KLD in Phase II. The wastewater from Ammonia and Urea plant is being treated in Hydrolyser, process condensate stripper, ETP, etc., Treated water from treatment schemes are being reused for Horticulture/gardening/green belt development. For Nano-I plant, separate Effluent Treatment System (ETS) of capacity 1 KLD cum neutralization tank for treatment of Reactor Wash / Floor wash and STP (Capacity- 10 KLD) for domestic wastewater has been installed in the plant. Treated water from both the schemes will be reused for horticulture/gardening/ green belt development. Likewise, Effluent Treatment System (ETS) of capacity 1.5 KLD with neutralization tank for reactor wash/floor wash and STP (Capacity- 15 KLD) for domestic wastewater treatment will be installed in Nano-II unit. Treated water will be reused for horticulture/gardening/greenbelt development purposes within the plant premises. The plant will be based on Zero Liquid discharge system.

Total power requirement after expansion in Phase I and Phase II will be 224 MW/day and 247 MW/day respectively and same will be met from UGVCL power supply. Existing unit has two DG Sets of Capacity 2200 kW & 860 kW as standby during power failure. Stack Height of 24 m for 2200 KW & 22 m for 860 KW is provided as per CPCB norms.

Existing unit has Natural gas based 80 TPH steam boiler. No additional Boiler is proposed. 35 m stack height has been provided and particulate emission is within the statutory limit of 150 mg/Nm^3. It is noted that the proposed Nano Urea Plant does not emit air pollutants from production process. Details of flue gas stacks, process gas stacks, solid waste/hazardous waste disposal of the entire complex are as per the plan provided in the EIA/EMP report and as deliberated in the EAC.

8. The project/activities are covered under Category 'A' of item 5(a) 'Chemical fertilizers' of the Schedule to the Environment Impact Assessment Notification, 2006, and requires appraisal at Central Level by the Expert Appraisal Committee (EAC) in the Ministry.

9. The proposal has been submitted as per para 7(ii) of the EIA Notification,2006 & its subsequent amendments requesting exemption from ToR and EIA report. Public hearing is exempted as the project site is located within the notified Industrial area. The project proponent has reported that there are no litigation pending against the proposal.

10. The Ministry had issued EC earlier vide letter no. J-11011/60/2009-IA-II(I) dated 1st February,2021 in favour of M/s Indian Farmers Fertiliser Cooperative Limited (IFFCO) for Expansion/Modernization of the Fertilizer Plant located at Kalol, Gujarat. It has been informed that construction and modification work as per EC is completed at the site after obtaining CTE from the GPCB. The certified compliance report has been forwarded by the Ministry's Regional Office at Bhopal vide letter dated 10th August, 2021.

11. The proposal was considered by the **Expert Appraisal Committee (Industry-3 Sector) in its meeting held on 10-11 August, 2021** in the Ministry through video conferencing, wherein the project proponent and the accredited consultant M/s

EQMS India Pvt Ltd presented the proposal and addendum to the EIA/EMP report.

The EAC, constituted under the provision of the EIA Notification, 2006 comprising Experts Members/domain experts in various fields, examined the proposal submitted by the Project Proponent in desired format along with Addendum to EIA/EMP reports prepared and submitted by the Consultant accredited by the QCI/ NABET on behalf of the Project Proponent.

The EAC noted that the Project Proponent has given 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 Addendum to 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 project proponent.

The Committee noted that the proposal has been submitted by the project proponent as per the provisions contained in para 7 (ii) (a) of the EIA Notification seeking exemption from ToR and EIA report. Public hearing is exempted as the project is located in the notified Industrial area/Estate. The Committee noted that the addendum to the EIA/EMP report are in compliance of the activities proposed for the project, considering the present environmental concerns and the projected scenario for all the environmental components. The Committee noted that there is no anticipated air emission from Nano Urea Plant production process. The Committee noted that the project proponent allocated Rs. 36.5 lakhs towards Wild Life Conservation and submitted action plan in this regard.

The Committee noted that the Ministry had issued EC earlier vide letter dated 1st February, 2021 in favour of M/s Indian Farmers Fertiliser Cooperative Limited (IFFCO) for Expansion/Modernization of the Fertilizer Plant located at Kalol, Gujarat. It is also noted that the construction and codification work as per EC granted has been completed at the site. The certified compliance report forwarded by the Ministry's Regional Office at Bhopal vide letter dated 10th August, 2021 after conducting site visit on 27.07.2021 found to be satisfactory. The Committee also noted that there is no additional land required and the proposed unit shall be established in the existing premises.

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 Experts Members of the EAC found the proposal in order and recommended for grant of environmental clearance as per para 7 (ii)(a) of the EIA Notification, 2006 exempting ToR and EIA report.

12. The environmental clearance granted 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 project proponent shall obtain necessary permission as mandated under the Water (Prevention and Control of Pollution) Act, 1974 and the Air (Prevention and Control of Pollution) Act, 1981, as applicable from time to time, from the State Pollution Control Board, prior to construction & operation of the project.

13. Based on the proposal submitted by the project proponent and recommendations of the EAC (Industry-3), Ministry of Environment, Forest and Climate change hereby accords **Environmental clearance to the project for Expansion of Fertilizer Plant by Installation of New Nano Urea Plant by M/s Indian Farmers Fertiliser Cooperative Limited at Plot no. 712/846, 855, 856 of Saij,17-37 of Dhanaj, Kasturinagar, Kalol, District Gandhinagar, Gujarat,** under the provisions of the EIA Notification, 2006 subject to the compliance of terms and conditions as under:-

(i) All the specific and general conditions stipulated in the environmental clearance dated 1st February, 2021 shall be complied in letter and spirit.

(ii) 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, MoEFCC in this regard.

(iii) 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 addendum to the EIA/EMP in respect of environmental management, and risk mitigation measures relating to the project shall be implemented.

(iv) Total fresh water requirement shall not exceed 10069 KLD (in Phase I) and 10493 KLD (in Phase II). Prior permission in this regard shall be obtained from the concerned regulatory authority.

(v) 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.

(vi) As proposed, at least Rs. 36.5 lakhs shall be earmarked for conservation plan and shall be implemented in coordination with State Forest & Wildlife Department/Local Village Administration.

14. 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.

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

16. Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

17. The above conditions shall be enforced, *inter-alia* under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other

Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.

18. This issues with approval of the competent authority.

24/08/2021

(Dr. R. B. Lal)
Scientist 'E'/Additional Director
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Min.of Environment,Forest and Climate Change
भारत सरकार, नई दिल्ली
Govt. of India, New Delhi

Copy to: -

1. The Deputy DGF (C), MoEF&CC Integrated Regional Office (Gujarat), E-5, Kendriya Paryavaran Bhawan, E-5 Arera Colony, Link Road-3, Ravishankar Nagar, Bhopal -16
2. The Secretary, Forests and Environment Department, Government of Gujarat, Block 14, 8th Floor, Sachivalaya, Gandhinagar (Gujarat) -10
3. The Member Secretary, Central Pollution Control Board, Parivesh Bhawan, CBD-cum-Office Complex, East Arjun Nagar, Delhi - 32
4. The Member Secretary, Gujarat Pollution Control Board, Paryavaran Bhavan, Sector-10A, Gandhinagar (Gujarat) - 10
5. The Member Secretary, Central Ground Water Authority, Jamnagar House, 18/11, Man Singh Road Area, New Delhi -110001
6. The District Collector, District Gandhinagar (Gujarat)
7. Guard File/Monitoring File/Website/Record File/Parivesh Portal

(Dr. R. B. Lal)
Scientist 'E'/Additional Director

ANNEXURE ID

EARLIER ENVIRONMENTAL CLEARANCE

(DATED 01.02.2021)

ANNEXURES

By Speed Post/Online

F.No. J-11011/60/2009-IA-II(I)
Government of India
Ministry of Environment, Forest and Climate Change
(Impact Assessment Division)
***

Indira Paryavaran Bhawan
Jorbagh Road, New Delhi - 110003

Dated: 1st February, 2021

To

M/s Indian Farmers Fertiliser Cooperative Limited
Kalol Unit, P.O. Kasturinagar
District Gandhinagar, Gujarat – 382 423

Email: iffcofertilizer2020@gmail.com

Sub: Expansion/Modernization of the Fertilizer Plant at Plot no. 712/846, 855, 856 of Saij,17-37 of Dhanaj, Kasturinagar, Kalol, District Ghandhinagar, Gujarat by M/s Indian Farmers Fertiliser Cooperative Limited (IFFCO) - Environmental Clearance - regarding

Sir,

This has reference to your proposal No. IA/GJ/IND2/185904/2009 dated 14th December 2020 and further letter dated 12.01.2021 & E-Office Computer number 149352, submitting the EIA/EMP report on the above subject matter.

2. The Ministry of Environment, Forest and Climate Change has examined the proposal for environmental clearance to the project for Expansion/Modernization of the Fertilizer Plant by M/s Indian Farmers Fertiliser Cooperative Limited at Plot no. 712/846, 855, 856 of Saij,17-37 of Dhanaj, Kasturinagar, Kalol, District Ghandhinagar, Gujarat. Industry proposes to enhance the production of Urea from 6,02,250 MTPA to 6,75,000 MTPA, while the production of Ammonia plant will remain the same i.e., 4,01,500 MTPA. The unit also proposes to install Commercial-scale Nano Fertiliser Project having capacity of Nano-Nitrogen/Nano-Zinc/Nano-Copper of 27375 kL/year along with bottle manufacturing and bottling unit besides auxiliary facilities. The proposal has been bifurcated in two stages. Phase I - Enhance Urea production with Supply of Rich gas and installation of Commercial-scale Nano Fertiliser Project and Phase II - Enhance Urea production with Supply of lean gas with installation of Carbon dioxide Recovery Unit (CDR). The phase II will be implemented only when there will be supply of lean gas. In phase II, 200 MTPD of CO_2 shall be recovered from the flue gas through CDR for production of Urea.

3. The details of products and capacity are as under:

S. No.	Product	Unit	Quantity		
			Existing	Additional/ Proposed	After Modernization/ Expansion
1.	Ammonia	MTPA	4,01,500	0	4,01,500
2.	Urea (100%) (Fertilizer	MTPA	6,02,250 max or	72,750	6,75,000 max or

	Grade/Technical Grade)				
3.	Urea (100%) or & Diesel Exhaust Fluid (32% of Urea Solution)	MTPA	5,44,500 & 1,77,690 i.e., (Equivalent to 57,750 of 100% Urea) max or	- & 2,23,848 (32.5% Urea solution) i.e., (72,750 of 100% Urea) or	5,44,500 & 4,01,538 i.e., (Equivalent to 1,30,500 of 100% Urea) max or #
4.	Urea (100%) or & Diesel Exhaust Fluid (40% of Urea Solution)	MTPA	5,44,500 & 1,44,375 i.e., (Equivalent to 57,750 of 100% Urea) max	- & 1,81,875 (40% Urea solution) i.e., (72,750 of 100% Urea)	5,44,500 & 3,26,250 i.e., (Equivalent to 1,30,500 of 100% Urea) max #
5.	Nano Fertilisers (Nano-Nitrogen/ Nano Zinc/Nano Copper*)	kL/year	0	27375	27375

Note:

 # Depending upon the requirement of urea fertilizer in the market, there shall be variation in quantity of DEF (32.5% and/or 40% urea Solution) production. The total urea production shall, however, be limited to 6,75,000 MTPA (Maximum) under all the above combinations.

*** Phase I include supply of Rich gas and new manufacturing unit of Nano Fertilizer products & Phase II include installation of CDR during supply of lean gas.*
Nano Nitrogen contains 40000 ppm (Min) of nitrogen, Nano Zinc contains 10000 ppm (Min) of Zinc and Nano copper contains 8000 ppm (Min) of copper.

4. The existing land area is 95.5158 ha and expansion is proposed within the existing land area. Industry has already developed greenbelt in an area of 45.71 ha which will be increased to 46.1756 ha i.e., 48.34% after expansion. The estimated project cost for expansion is Rs. 166.8 crores. Industry has already spent Rs. 4341.8 lakhs towards environmental pollution control measures. The capital cost earmarked towards environmental pollution control measures in expansion is Rs. 100 lakhs and recurring cost (operation and maintenance) will be about Rs. 1500 lakhs per annum. The project will provide employment for 1393 persons after expansion. Industry proposed to allocate Rs. 52 lakhs towards Corporate Environmental Responsibility.

5. There are no National Parks, Biosphere Reserves, Tiger/Elephant Reserves, Wildlife sanctuary within 10 km distance from the project site. Sabarmati river is flowing at 12.8 km (ESE) from the project site, and Narmada canal is flowing at 2.8 km (S) from the project site.

6. The water requirement after expansion in Phase I including nano fertilizer plant will be 9947 KLD and in Phase II with CDR and nano fertilizer plant will be 10371 KLD. Water will be available from existing infrastructure of Narmada Canal water supply system to IFFCO Kalol Unit.

Effluent of 1423 KLD in Phase I and 1483 KLD in Phase II from Ammonia and Urea plant will be treated in the ETP and 1 KLD of Industrial effluent and 9 KLD of Domestic effluent from proposed Nano plant will be treated in Effluent Treatment

System (ETS) cum neutralization tank and STP respectively. The treated water will be reused in Horticulture and plant will be based on Zero Liquid discharge system.

Power requirement after expansion in Phase I and Phase II will be 186 MW/day and 211 MW/day respectively and same will be met from UGVCL power supply. Existing unit has two no. of DG Sets of Capacity 2200 kW & 860 kW as standby during power failure. Stack Height of 24 m for 2200 KW & 22 m for 860 KW is provided as per CPCB norms. Existing unit has Natural gas based 80 TPH steam boiler. No additional Boiler is proposed. 35 m stack height has been provided for controlling the particulate emission within the statutory limit of 150 mg/Nm^3.

No additional Stack is proposed in expansion and there shall be no gaseous emission from Nano Fertiliser Unit. There is generation of different kind of Industrial hazardous wastes from production process and other activities. Industrial hazardous wastes such as spent lube oil, spent catalyst are sold to recyclers. ETP sludge generated is disposed off at TSDF site, while other solid wastes are segregated in salable and non-salable waste. All waste is disposed as per The Hazardous & Other Waste (Management and Transboundary Movement) Amendment Rules, 2020.

7. The project/activities are covered under category A of item 5(a) 'Chemical fertilizers' of the Schedule to the Environment Impact Assessment Notification, 2006, and requires appraisal at central level by the sectoral Expert Appraisal Committee (EAC) in the Ministry.

8. The Standard Terms of Reference (ToR) was issued by the Ministry vide letter dated 6th November, 2020. Public hearing is exempted as the project site is located within the notified Industrial area. The project proponent has informed that there is no litigation pending against the proposal.

9. It was informed that the plant was established in the year 1975 to produce Ammonia and Urea. The Ministry had earlier granted environmental clearance vide letter dated 24th December, 2009 to the project for Expansion of Kalol Fertilizer unit. It was informed that the proposal envisaged expansion of Ammonia & Urea Project for 2400 MTPD Ammonia & 4200 MTPD Urea and Captive power plant of capacity 2x25 MW. The expansion was proposed to be carry out on 18 ha vacant lands available within the plant area, but the expansion work was not initiated because the Department of Fertilizer, GOI vide letter dated 9th May 2013 advised that the project work should proceed ahead only after approval of the Department of Fertilizer. However, single walled Ammonia Storage Tank was replaced with new Ammonia storage tank of double wall double integrity type considering safety aspects and as per one of the conditions of the environmental clearance. The unit has valid amended Consolidated Consent and Authorization (CC&A) from GPCB vide order dated 22.10.2019 for production of 4,01,500 MTPA of Ammonia, 6,02,250 MTPA of Urea (100%) Max or, 5,44,500 MTPA Urea & 1,77,690 MTPA of DEF (32.5% of urea solution) Max or, 5,44,500 MTPA Urea & 1,44,375 MTPA of DEF (40% of urea solution) Max for the existing project. The Ministry's Regional Office at Bhopal vide letter dated 2nd November, 2020 has forwarded the compliance status of the existing environmental clearance conditions.

10. The proposal was considered by the Expert Appraisal Committee (Industry-3) in its meetings held on 29-30 December, 2020 & 14-15January, 2021 in the Ministry, wherein the project proponent and their accredited consultant M/s EQMS India Pvt Ltd presented the EIA/EMP report as per the ToR. The Committee found the EIA/EMP

report complying with the ToR and recommended the project for grant of environmental clearance.

11. The EAC, constituted under the provision of the EIA Notification, 2006 and comprising of Experts Members/domain experts in various fields, have examined the proposal submitted by the Project Proponent in desired form along with EIA/EMP report prepared and submitted by the Consultant accredited by the QCI/ NABET on behalf of the Project Proponent.

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

The Committee noted that the EIA/EMP report is in compliance of the ToR issued for the project, reflecting the present environmental concerns and the projected scenario for all the environmental components. The Committee has found the baseline data and incremental GLC due to the proposed project within NAAQ standards. The Committee has also deliberated on the activities/action plan and found to be addressing the issues in the study area. The Committee has suggested that the storage of toxic/explosive raw material shall be bare minimum in quantity and inventory.

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

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

13. Based on the proposal submitted by the project proponent and recommendations of the EAC (Industry-3), Ministry of Environment, Forest and Climate change hereby accords environmental clearance to the project for **Expansion/Modernization of the Fertilizer Plant by M/s Indian Farmers Fertiliser Cooperative Limited at Plot no. 712/846, 855, 856 of Saij,17-37 of Dhanaj, Kasturinagar, Kalol, District Ghandhinagar, Gujarat,** under the provisions of the EIA Notification, 2006, subject to the compliance of terms and conditions as under:-

(i) 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.

(ii) As already committed by the project proponent, Zero Liquid Discharge shall be ensured and no waste/treated water shall be discharged outside the premises. Treated effluent shall be reused in the process/utilities. Treated Industrial effluent shall not be used for gardening/greenbelt development.

(iii) Continuous online (24x7) monitoring system for stack emissions shall be installed for measurement of flue gas discharge and the pollutants concentration, and the data to be transmitted to the CPCB and SPCB server. For online continuous monitoring of effluent, the unit shall install web camera with night vision capability and flow meters in the channel/drain carrying effluent within the premises.

(iv) 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.

(v) 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.

(vi) Training shall be imparted to all employees on safety and health aspects of chemicals handling. Safety and visual reality training shall be provided to employees.

(vii) 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.

(viii) Safety and risk assessment studies shall be conducted and action plan and mitigation measures shall be properly implemented.

(ix) 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 flame proof. The solvent storage tanks shall be provided with breather valve to prevent losses. (f) All the solvent storage tanks shall be connected with vent condensers with chilled brine circulation.

(x) Volatile organic compounds (VOCs)/Fugitive emissions shall be controlled at 99.99% with effective chillers/modern technology.

(xi) Total fresh water requirement shall not exceed 10371 cum/day proposed to be met from existing water supply from Narmada canal to the IFFCO Kalol unit. Necessary permission in this regard shall be obtained from the concerned regulatory authority, and renewed from time to time.

(xii) 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.

(xiii) The company shall undertake waste minimization measures as below (a) Metering and control of quantities of active ingredients to minimize waste; (b)

Reuse of by-products from the process as raw materials or as raw material substitutes in other processes. (c) Use of automated filling to minimize spillage. (d) Use of Close Feed system into batch reactors. (e) Venting equipment through vapour recovery system. (f) Use of high pressure hoses for equipment clearing to reduce wastewater generation.

(xiv) The green belt of at least 5-10 m width shall be developed in nearly 33% of the total project area, mainly along the plant periphery. Selection of plant species shall be as per the CPCB guidelines in consultation with the State Forest Department. Records of tree canopy shall be monitored through remote sensing map.

(xv) The activities and the action plan proposed by the project proponent to address the socio-economic issues in the study area, shall be completed as per the schedule presented before the Committee and as described in the EMP report in letter and spirit.

(xvi) A separate Environmental Management Cell (having qualified person with Environmental Science/Environmental Engineering/specialization in the project area) equipped with full-fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.

13.1 The grant of environmental clearance is further subject to compliance of other general conditions as under:-

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

(ii) The energy source for lighting purpose shall be preferably LED based, or advance having preference in energy conservation and environment betterment.

(iii) The locations of ambient air quality monitoring stations shall be decided in consultation with the State Pollution Control Board (SPCB) and it shall be ensured that at least one station each is installed in the upwind and downwind direction as well as where maximum ground level concentrations are anticipated.

(iv) The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th November, 2009 shall be followed.

(v) The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).

(vi) The Company shall harvest rainwater from the roof tops of the buildings and storm water drains to recharge the ground water and to utilize the same for process requirements.

(vii) Training shall be imparted to all employees on safety and health aspects of chemicals handling. Pre-employment and routine periodical medical examinations

for all employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted.

(viii) The company shall 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.

(ix) The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.

(x) 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.

(xi) 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.

(xii) The project proponent shall also submit six monthly reports on the status of compliance of the stipulated Environmental Clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF&CC, the respective Zonal Office of CPCB and SPCB. A copy of Environmental Clearance and six monthly compliance status report shall be posted on the website of the company.

(xiii) The environmental statement for each financial year ending 31st March in Form-V as is mandated shall be submitted to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the respective Regional Offices of MoEF&CC by e-mail.

(xiv) 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.

(xv) 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.

(xvi) 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.

14. 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.

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

16. Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

17. The above conditions shall be enforced, *inter-alia* under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.

18. This issues with approval of the competent authority.

01/02/2021

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2. The Secretary, Forests and Environment Department, Government of Gujarat, Block 14, 8th Floor, Sachivalaya, Gandhinagar (Gujarat) -10
3. The Member Secretary, Central Pollution Control Board, Parivesh Bhawan, CBD-cum-Office Complex, East Arjun Nagar, Delhi - 32
4. The Member Secretary, Gujarat Pollution Control Board, Paryavaran Bhavan, Sector-10A, Gandhinagar (Gujarat) - 10
5. The District Collector, District Ghandhinagar (Gujarat)
6. Guard File/Monitoring File/Website/Record File/Parivesh Portal

(Dr. R. B. Lal)
Scientist 'E'/Additional Director

ANNEXURE I - c

Photos of

ETS in Nano Fertiliser Plants

ANNEXURES

Annexure - Ic

Photos of Effluent Treatment System (ETS) at Nano Fertiliser Plant













ANNEXURE I

THIRD PARTY MONTHLY MONITORING REPORT

OF AMMONIA SCRUBBER

ANNEXURES

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 Fertiliser Cooperative Ltd.** Plot No. 712/846,855,856 of Saij, 17-37 of Dhanej, P.O. Kasturinagar, Kalol, Ta. Kalol, Dist. Gandhinagar.		
Discipline	Chemical	Group	Atmospheric Pollution
Report No.	S/08/092/26-27	Date of Issue	15/08/2026
Sample Description	Process Emission	Stack attached to	Ammonia Scrubber (V 1207) in Urea Plant
Date and time of sampling	11/08/2026 10:50 hrs.	Duration of sampling	32 min
Sample Receipt Date	11/08/2026	Sample ID	S/08/092
Fuel used	NA	Stack gas Velocity in m/sec	4.79
Stack height in meter	71	Stack diameter in mm	--
Sampling Procedure	IS 11255	Sampling By	SGT Team
Stack temperature of Process Emission in °C	48	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	11/08/2026	Testing Test End Date	12/08/2026

Test Results

Sr. No.	Parameters	Unit	Test Method	Results	Limit (as per GPCB)
1.	Ammonia (NH_3)	mg/Nm^3	IS 11255 (Part 6) :1999	38.4	175

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

Stride Green Technologies LLP

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

ANNEXURE I

Certificate from Agriculture University for use of treated water for Gardening/Horticulture within the Complex

ANNEXURES

Directorate of Research

Dr. B.S.Deora
I/c.Director of Research & Dean P.G.Studies

No: SDAU/DR/Tech-1/1964 /2022 Date: 23/02/2022
07-03

To,
Sh. S Mohan
Jt GM (EPC)
IFFCO-Kalol Unit
Kasturi Nagar post
Dist. Gandhinagar

Sub.: Utilization of treated water from ETP for gardening/horticulture within plant premises-reg

Ref. 1. Your e-mail with analysis reports dated 11/02/2022
2. Letter from Professor & Head(Soil Sci.) CPCA, SDAU dated 23/02/2022

With reference to above cited subject, I would like to bring to your kind notice that as per the analysis report of the waste water from Effluent Treated Plant(ETP) outlet of IFFCO, Kalol, the values obtained from the samples were found within a prescribed norms. Accordingly, the ETP water can be used for gardening/ horticultural crops/green belts *etc* subject to regular monitoring for its long term use.

Director of Research * S.D.Agri. Uni., S.K.Nagar *

DIRECTOR OF RESEARCH &
DEAN POST GRADUATE STUDIES

ANNEXURE II

ENVIRONMENTAL MANAGEMENT CELL (EMC) RESPONSIBILITY AND LABORATORY FACILITIES

ANNEXURES

Annexure - II

Environmental Management Department

&

Facilities available in IFFCO Kalol Laboratory

IFFCO Kalol Unit committed for continual improvement on its environmental performance. The unit has separate Environmental Management Department and full-fledged laboratory facilities.

The Environment Management department is headed by Jt. GM (EPC) who reports to Unit Head directly. Three officials are dedicated for normal activities of the section and they are directly report to the Jt. GM (EPC). Hierarchy of the department is given in **Figure 1.**

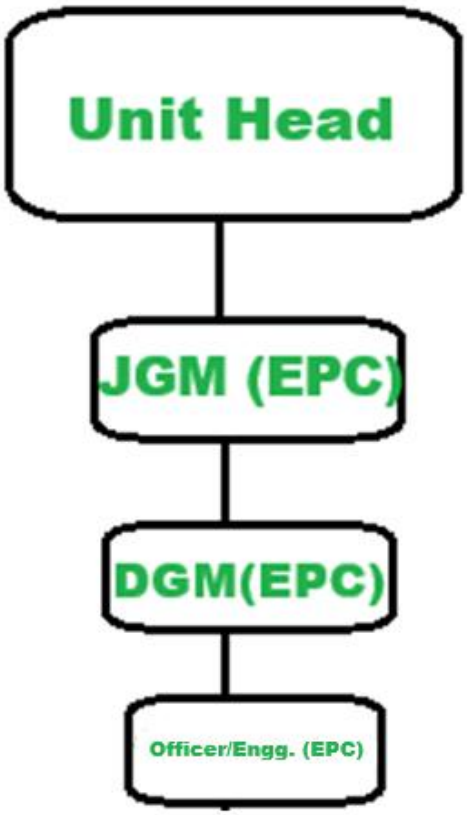


Figure 1: Hierarchical of Environmental Management Cell

Jt.GM (EPC) co-ordinates all Environment related activities;

I. Responsibilities of Jt. GM (EPC) are as below:

i. Responsible for maintaining Effective Environment Management System with focus on pollution prevention & resource conservation.
ii. Developing and maintenance of green belt with the support of P & A Dept (Horticulture section).
iii. Environmental monitoring of the plant and surrounding area.
iv. Ensure to carry out EHS Management Plan / programme as per the schedule.
v. Regular training to employees on Safety and Environment related Topics.
vi. Regular monitoring of stacks, ambient air, noise etc either internally or by appointing external agency and data analysis. Corrective and preventive action, wherever required.
vii. Hazardous wastes management and handling.
viii. Ensure submission of various statutory reports like Environment statement as per form V, Records of Hazardous waste Handling & Management as per form III & IV.
ix. Carrying out Environment audit by Schedule I auditor appointed by GPCB.
x. Ensuring timely submission of applications for renewal of consents under Water (Prevention and Control of Pollution) Act, 1974 and Air (Prevention and Control of Pollution) Act, 1981 as well as application for authorization and its renewal under Hazardous & Other Waste (Management and Transboundary Movement) Amendment Rules, 2016, and amendment thereof under Environment Protection Act, 1986.

Facilities available in IFFCO laboratory

IFFCO has established laboratory facilities in the plant with 13 skilled personnel for monitoring and analysis. Required facilities for chemical & biochemical analysis has been set up in plant premises. Various quality monitoring instruments are available at Central Laboratory for analysis of (a) raw materials (b) gaseous and liquid composition in the ammonia and urea process (c) Final product (d) HDPE bags for packing of urea. 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.

Treated water from ETP is analyzed for specific parameters every shift of 8 hours duration. $PM_{2.5}$, PM_{10}, Ammonia, SOx, NOx in ambient air and noise level at different locations of the plant are analyzed / measured every week. Samples from Prill tower vent, BHEL boiler stack, Primary reformer stack are collected and analyzed by IFFCO Lab as per the requirement. All Environment related parameters w.r.t Process & Fuel stack emission, ETP outlet and noise level at various locations, Ambient Air are analyzed / measured by NABL approved Laboratory on monthly basis.

List of Instruments available in laboratory pertaining to environmental analysis is given below in **Table 1.**

Table 1: List of Instruments available in laboratory

S. No.	Description	S. No.	Description
1	Electronic Balances	18	Stirrer
2	Hot Air Oven	19	Conductivity Meter
3	Muffle Furnace	20	Sound Level Meter
4	Karl Fischer Titrator	21	Flue Gas Analyzer
5	Stack Monitoring Kit	22	Handy Sampler
6	pH Meter	23	B.O.D. Incubator
7	Respirable Dust Sampler	24	Laminar Flow Station
8	Centrifuge Machine	25	Oil Bath
9	Turbidity Meter	26	Auto Titrator
10	Water Purifier Unit	27	Oxygen Meter
11	Wet Gas Flowmeter	28	High Volume Sampler
12	UV-Vis Spectrophotometer 1800 / 1700	29	Humidity Monitor
13	Water Bath	30	Hot Plate
14	Weather Monitoring Station	31	Autoclave
15	Dew Point Analyzer	32	Do Meter
16	Vacuum Pump	33	Magnetic Stirrer
17	Flame Photometer		

Photographs of Laboratory is shown in **Figure 2.**





Figure 2: Photographs showing inside view of Laboratory

ANNEXURE III

HALF YEARLY COMPLIANCE REPORT

ON

POLLUTION CONTROL STANDARDS

ANNEXURES

Wholly owned by Cooperatives

INDIAN FARMERS FERTILISER COOPERATIVE LIMITED
KALOL UNIT

From:	To:
Sr. General Manager IFFCO – Kalol Unit	Director (CRS) IFFCO - New Delhi
EPC /02/1403	Date: 15/10/2026

Sub: Compliance of Pollution Control Standards.

Ref: Letter No. 15031/4/98-FP-III dated 6/10/98 and Letter No. 13041/11/2001-FP-dated 04/07/2001 received from DOF

Please find attached herewith the Half Yearly Report for the period of April - 2026 to September – 2026 in the prescribed format "A" for onward transmission to Ministry of Chemicals and Fertilizers (Department of Fertilizers).

Hope, the information furnished is in order.

15/10/2026

(P. K. Singh)

Encl.: As above

PROFORMA - A **Sheet 1 of 2**

STATUS OF IMPLEMENTATION OF POLLUTION CONTROL STANDARDS IN RESPECT OF LIQUID EFFLUENT / GASEOUS EMISSIONS IN FERTILISER INDUSTRY.

Name of the unit : Indian Farmers Fertiliser Cooperative Ltd., Kalol unit, Gujarat - 382423.
Period: April 2026 - September 2026

Plants	Type of liquid Effluent/Gaseous emission	Pollution items where actual achieved are higher than	Prescribed Standards		Actual level being achieved	Pollution Control facility to be installed	Investment required (Rs. In lakhs)	Time frame for meeting compliance of all prescribed	List of steps taken so far
			CPCB	GPCB					
1	2	3	4		5	6	7	8	9
I Gaseous emission									
1. Urea plant Prill Tower exhaust	Particulate matter- in mg/Nm^3	Nil	150	150	**78**	Ref : Note 1			
	in kg/MT	Nil	2	-	**0.49**				
2. Ammonia Scrubber in Urea Plant (V-1207)	Ammonia in mg/Nm^3	Nil	-	175	**51**				
3. Primary reformer stack in ammonia plant	PM (in mg/Nm^3)	Nil	-	150	**8**				
	SOx (in ppm)	Nil	-	100	**6**				
	NOx (in ppm)	Nil	400 mg/Nm^3	50	**9**				
4. BHEL Boiler stack	PM (in mg/Nm^3)	Nil	-	150	**10**				
	SOx (in ppm)	Nil	-	100	**5**				
	NOx (in ppm)	Nil	-	50	**13**				

Note 1 : As the trial runs were not successful, PM Analyser had been de-installed from prill tower and taken away by the supplier M/s Adage Autmation, Mumbai

STATUS OF IMPLEMENTATION OF POLLUTION CONTROL STANDARDS IN RESPECT OF LIQUID EFFLUENT / GASEOUS EMISSIONS IN FERTILISER INDUSTRY.

Name of the unit : Indian Farmers Fertiliser Cooperative Ltd., Kalol unit, Gujarat 382423.
Period: April 2026 - September 2026

Plant	Type of liquid Effluent/Gaseous emission	Pollution items where actual achieved are higher than prescribed standards.	Prescribed Standards (mg/lit*)		Actual level being achieved	Pollution Control facility to be installed	Investment required (Rs. In lakhs)	Time frame for meeting compliance of all prescribed standards	List of steps taken so far
			CPCB / MINAS	GPCB					
1	2	3	4		5	6	7	8	9
II Liquid Effluent Pollutants item									
Final treated Effluent discharge from Effluent Treatment plant (ETP) # at ammonia- urea complex	1) pH	Nil	6.5 - 8.5	6.5-8.5	**6.7 - 8.4**	Ref : Note 2			
	2) Temperature ^{0}C	Nil	-	40	**27**				
	3) Colour (Pt. co. scale)	Nil	-	100	**25**				
	4) Suspended Solids	Nil	100	100	**19**				
	5) Oil and Grease	Nil	10	10	**Traces**				
	6) Ammonical Nitrogen as N	Nil	50	50	**15**	Ref : Note 2			
	7) Fluorides	Nil	-	1.5	**0.21**				
	8) B.O.D.	Nil	-	30	**18**				
	9) C.O.D.	Nil	-	100	**57**				
	10) Chlorides	Nil	-	600	**365**				
	11) Sulphates	Nil	-	1000	**90**				
	12) Total dissolved Solids	Nil	-	2100	**762**				
	13) Sodium absorption ratio	Nil	-	26	**1.50**				
	14) Total Chromium	Nil	-	2	**ND**				
	15) Hexavelent Chromium	Nil	-	0.1	**ND**				
	16) Copper	Nil	-	3	**0.01**				
	17) Nickel	Nil	-	3	**ND**				
	18) Zinc	Nil	-	5	**0.23**				
	19) Free Ammonical Nitrogen as N	Nil	2	2	**0.86**				
	20) Total Kjeldahl Nitrogen(TKN) as N	Nil	75	75	**21**				
	21) Nitrate (NO_3-N)	Nil	10	20	**7.8**				
	22) Cyanide	Nil	0.1	-	**ND**				
	23) Sulphide	Nil	-	2	**ND**				
	24) Iron	Nil	-	3	**ND**				
	25) Manganese	Nil	-	2	**ND**				
	26) Arsenic	Nil	-	0.2	**ND**				
	27) Phenolic Compound	Nil	-	1	**ND**				
	28) Bio Assay Test	Nil	-	90% Survival of fish after 96 hours in 100% effluent	**90%**				

ND : Not Detectable

Remarks Note 1 : # Treated effluent is used for Horticulture / Gardening/ Green belt development within the IFFCO Kalol.

Note 2 : Online instruments / analyser for measurement of pH, Flow and Ammonical Nitrogen at the outlet of Effluent Treatment Plant (ETP) had already been installed. Online data is captured in data logger and connectivity has also been established with both GPCB and CPCB servers.

ANNEXURE IV

ONSITE EMERGENCY PLAN IFFCO KALOL

ANNEXURES

Wholly owned by Cooperatives

ONSITE EMERGENCY PLAN



INDIAN FARMERS FERTILISER CO OPERATIVE LIMITED

KALOL UNIT

P.O.KASTURINAGAR DIST: GANDHINAGAR. PIN: 382423

ONSITE EMERGENCY PLAN

IN

COMPLIANCE OF

THE FACTORIES ACT, 1948

[See Section 41 B(4)]

&

THE GUJARAT FACTORIES RULES, 1963

[See Rule 68 J, Schedule – 8(A)]

PREPARED BY

FIRE & SAFETY DEPARTMENT

INDIAN FARMERS FERTILISER CO OPERATIVE LIMITED

KALOL UNIT

P.O.KASTURINAGAR DIST: GANDHINAGAR. PIN: 382423

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Sr. No.		Chapter	Page No
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	1.1	About IFFCO	
	1.2	About IFFCO KALOL	
	1.3	Introduction & Objectives of Disaster Planning	
2		**Brief description of plant processes**	
	2.1	Ammonia Plant	
	2.2	Urea Plant	
	2.3	Offsites facilities	
	2.4	Utilities facilities	
	2.5	Bagging & Urea Storage	
3		**Name and address of person furnishing the information**	
4		**Key personnel of the organisation and responsibilities assigned to them in case of emergencies**	
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	4.2	First hand information	
	4.3	On hearing emergency siren	
	4.4	Other arrangements for emergency preparedness	
	4.5	Emergency organization	
	4.6	Appointment of key personnel	
5		**Outside organizations if involved in annotating during onsite emergency**	
	5.1	Types of accidents	
	5.2	Responsibility assigned	
6		**Details of liaison arrangement between the organizations**	
	6.1	Pre emergency liaison arrangements	
	6.2	First hand information	
	6.3	On hearing emergency siren	
	6.4	Other arrangements for emergency preparedness	
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	7.1	Type of accident	
	7.2	Hazards	
	7.3	System elements or event that can lead to a major accident	
	7.4	Safety related component	
8		**Details about the site**	
	8.1	Location of dangerous substances	
	8.2	Seats of key persons	
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Sr. No.		Chapter	Page No
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	9.2	Transformation if any which could occurs	
	9.3	Purity of hazardous chemicals	
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	10.1	List of scenarios	
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11		**Enumerate effects of**	
	11.1	Stress and strain and safety and security systems	
	11.2	Fire and explosion inside the plant and effect if any, of fire and explosion out side	
12		**Details regarding warnings, alarms and safety and security systems**	
	12.1	Site selection plant layout, facilities & services	
	12.2	Warning, alarm and hazard control with reliable measuring instrument control planning ensuring the necessary technical and organizational precautions	
	12.3	Control measures against disaster control	
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	12.5	Precautions in designing of the foundation and load bearing parts of the building	
	12.6	Inspection testing of pressure vessel, piping, stability of building, safety audit	
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ANNEXURE IV A

DETAILS OF DISASTER MANAGEMENT & PREVENTIVE MEASURES

ANNEXURES

Annexure IV- A

Details of Disaster Management & Preventive Measures to minimize occupational hazards

I. Safety Measures

- OH & S policy at corporate level and IMS policy at Unit level has been declared.
- Hazard Identification and Risk Assessment
- Work Permit System procedure has been established for safely execution of job.
- Lock Out and Tag Out procedure has been established for Isolation of energized equipment s/machineries.
- Standard Operating procedures.
- Start-up procedure Shut down procedure, emergency procedure.
- Inbuilt safety measures such as trips, alarms, logics.
- All the pressure vessels/pipelines are provided with Safety Relief Valves, Audio-Visual alarms, trips, Safety interlocks.
- Worker s participation in Safety Management system: - Safety committee meetings, employee suggestion schemes.
- Incident Investigation & reporting.
- Online near miss reporting
- DISH Approved training centre to impart training for all the level of employees/Contract workmen.
- MSDS related to all the chemicals used in IFFCO Kalol complex are available
- Explosive concentration checking near the flanges.
- Flame Retardant Low Smoke (FRLS) Cables are installed for electrical network.
- All the electrical fittings are provided with fuses, relays, circuit breakers.
- Various internal and external safety audits, Plant Safety committee, housekeeping committees formed which conduct their audits regarding OS & H and demand time bund compliance.
- Hazardous areas already barricaded and separated from other operating units by proper separation distances. In such area, all equipment s used are flameproof and intrinsically safe.
- Plant Safety Inspections
- Hazard communication by the means of Safety Bulletin, Safety Posters, Caution boards.
- Chemicals are stored at isolated storage facility and labelling also done for identification of the container/chemicals.
- On-site emergency plan
- Mock drills
- Various PPES, Fire extinguishers, safety showers, first aid boxes (filled) & online air masks, Gas masks etc are provided at various Hazardous installations

II. Fire Protection Measures

- Full Fledged Fire & Safety department with professionally qualified, experienced & skilled staff.
- Under Ground fire Hydrant system all over the plant as well as water and foam monitor system in crucial areas.
- Installation of DCS for effective F&S Control Room operation.
- Fire extinguishers of different types provided all over the plant areas and buildings at strategic locations.
- Fire Hydrant & Riser system with Hose boxes – for empty bag storage areas.
- FM-200 Local application system for the protection of Server room.
- Modular type Halotron fire extinguishers & NOVAC Based Automatic Fire Suppression system & Smoke detection system has been installed at Plant telephone exchange.
- NOVAC Based Automatic Fire Suppression system & Smoke detection system has been installed at Server room of IT Services.
- Analog addressable fire detection system at various plant control rooms, Electrical MCC s and buildings.
- Manual call points at strategic locations all over the plant premises.
- Various Fire & Safety Appliances like Foam Tenders, Fire Jeep, Water Jet Monitors, Foam Monitors, Fire Pumps (Elect.) Fire Pumps (Diesel), Jockey Pumps and Air Compressors.
- Remotely operated sprinkler system for Ammonia loading pumps, Ammonia loading gantry (rail & road) at storage area, ammonia & carbamet pumps in Urea plant.
- Water curtain system along the stairs of Urea prill tower.
- Clean agent fire extinguishers for office building areas.
- State of art beam detection system has been installed at Urea empty bag Storage area in Bagging Plant.

III. Safety Training

IFFCO Kalol unit is having a DISH (Directorate of Industrial Safety & Healthy) approved training center.

Following training programs are conducted for the Employees, contract workmen, GETs, apprentice trainees, IFFCO Trainees and Vocational trainee.

- **Induction training:** For newly joined IFFCO employee, GETs, apprentice trainees, IFFCO Trainees and Vocational trainee
- **Induction training:** For contract workmen by F&S Department.
- **Job specific training:** Toolbox talk related to specific job like welding, cutting, grinding, vessel entry, work at height, excavation, handling hazardous chemicals etc.
- **Refresher training:** In the month of January for employees as well as contract employees, GETs, apprentice trainees, IFFCO Trainees and Vocational trainee.
- **Community awareness:** To nearby villagers, school students at regular interval
- Employees are sponsored for SHE training programs at various reputed institutions.
- Regular drills and training are conducted for F&S staff at Fire station.

Photographs of training:

1. **- To create safety awareness & consciousness, regular training and re-training / refresher programmes are conducted for employees and contractor's workmen.**







- Training on use of Fire & Safety Equipment's was given to all the control room staffs and contract workmen.









- **Chemical Safety & use of chemical safety PPEs Training was given to the control room staff**





ANNEXURE V

FUGITIVE EMISSION CONTROL MEASURES

ANNEXURES

Measures for Fugitive Emission Control

Annexure - V

Fugitive emissions are generated more specially while transporting and handling product. Following measures are adopted in the plant to reduce the fugitive emissions.

Vibro Priller in Urea Plant

Vibro Priller which was developed by Chem seals Engineering, Mumbai / RPF "Grace Engineering", Ukrain, has been installed and taken in line to improve product quality, w.r.t. uniform product size distribution and to reduce PM emission level..

The Vibro Priller is designed to reduce the product temperature by uniform distribution over cross-sectional area of prill tower and also avoid deposition on prill tower inside wall. The technical advantages are uniform product size, reduced temperature of product at bottom of prill tower, improved crushing strength and reduction in dust emission from prill tower. New type of vibrator based on magnetostriction principles has been developed (a property of ferromagnetic materials that causes them to change their shape or dimensions during the process of magnetization). A control unit is provided which has the ability to control the vibration in automatic mode depending on the changing melt level.

Benefits from the Vibro priller in Urea plant is mentioned below

- Uniform prill size is achieved
- Reduction in the temperature of urea prill in the range of 10 to 15 ºC at bottom of prill tower with the same air flow.
- Crushing strength has improved compared the previous bucket (around 23 kg/cm2)
- Prill tower emission has reduced from 130 mg/Nm3 to less than 100 mg/Nm^3.
- Frequency of prilling section shut down has reduced due to less scrapper build up
- No deposition of dust has been observed inside the wall of prill tower
- Prill cooling system load has reduced
- Dust dissolving batches has been reduced by 30 to 40%
- Quantum of less than 1 mm particle size is less than 1%.

Installation of Ammonia Scrubber (V-1207) to scrub vent scrubber (V-1203) off gases

To recover ammonia and to bring down the concentration of ammonia in vent gases within the limits specified by GPCB, one additional scrubber using DM water as scrubbing media has been installed at the downstream of vent scrubber (V-1203) to scrub gases from vent scrubber. About 2 t/h DM water is used for scrubbing. Now the vent gases from the scrubber contains less than 100 ppm ammonia. The scrubber is of 0.4 meter diameter and located above prill tower. Existing valve PICV-1202 has been shifted to downstream of the scrubber, which maintains pressure of the scrubber at around 6 kg/cm2g. A new HICV has been provided in the place of existing PICV- 1202. This valve is to be operated during plant upsets to avoid any liquid carryover to the scrubber.

Dust Collection system in Urea Storage Silo

Urea prills from prill cooling system is sent to bagging plant via silo/transfer tower. During this transition, dust is generated in the silo due to urea prills free falling, reclaiming, transfer of urea prills from one conveyor to another conveyor etc. In order to provide cleaner environment, wet scrubbing system including air ducting, venturi scrubber, volume separator, exhaust air fan, urea solution tank, pumps along with associated piping and instrument for the silo/transfer tower area has been installed.

Dust Collection system in B & MH plant

Urea prills from Prill cooling System/Silo is sent to bagging plant for bagging of urea prills. During the transition of urea prills, dust is generated in B & MH Plant at various points such as hoppers, conveyors and Bagging machines. In order to provide clear environment, a improved dust extraction system including cyclone scrubber, dedusting fan, ducting, stack, urea solution tanks, pumps along with piping and instrumentation was installed in B & MH Plant. The new improved Dust Extraction System is operated for clear environment in B & MH Plant. Photographs showing same are given in **Figure 1.**

Ammonia Recovery Unit in Ammonia Plant

Ammonia Recovery Unit (ARU) is installed and commissioned to treat ammonical water effluent from wash section of purge gas plant (PGR) and process condensate stripper of ammonia plant. The ammonical effluent (4%) from PGR was earlier used in regeneration of resins in water treatment plant. Now 4% caustic solution is used for regeneration of resins in WTP. The ARU consist of distillation column with provision of steam stripping for lean ammonical solution. About 3.5 MT/ day of ammonia is being recovered and the effluent water is used as Cooling tower make-up.

MP Process Condensate Stripper (1104-E, 1170-C A/B, 1170-J/JA) in Ammonia plant

Earlier, process condensate was treated in LP process condensate stripper (104-E) and about 6 MT/hr vapours, containing CO2, methanol and ammonia, were vented to atmosphere.

As a part of resource and energy conservation, New MP Process Condensate Stripper (1104-E) has been installed with feed pumps (1170-J A/B) and Feed/Effluent exchangers (1170-C A/B) in place of LP process condensate stripper (104-E) and associated system (170-J/JA, 170-C/171-C) during 2016-17. Now, there is no venting of Off gases to atmosphere and the off gases containing ammonia is recycled back to the system.

Other measures adopted in the Plant

- Preventive measures like SOPs, Work Permit System, and Physical inspection / Monitoring of equipment are taken to eliminate the chance of accident on account of explosion, spillages, fire or hazardous substances etc.
- The finished product is being transported through Rail and trucks. The rail yard exists within the plant for transportation of finished product.
- Compressors are provided at Ammonia Storage tank to maintain tanks pressure by converting vapor Ammonia to Liquid Ammonia and then returning into Tanks.

- Ammonia gas detectors are installed at identified locations near Ammonia storage Tanks.
- Automatic weighing and Bagging machine are provided with system to reduce fugitive emission.
- Any Spillage/emission of Urea dust during different activities of urea handling/ manufacturing process is being collected & treated in de-dusting system and recirculated within the process after making urea solution.
- All trucks with urea bags are transported after proper covering from the top.
- Bag Filters and ID fans are provided for collecting fugitive emissions for recycle into process
- De-dusting system is provided at the railway yard to collect fugitive emission of urea.
- Breather Valves are used in the ammonia storage tanks.
- Proper maintenance & operation for leak proof condition of machineries are carried out on regular basis.
- Sensors and detectors are provided at strategic locations for early detection of any leak.
- Fire hydrant system is provided as per defined guidelines to fight any emergency.
- Airborne dust at all transfers operations/ points are controlled either by spraying water or providing enclosures.
- Regular maintenance of valves, pumps and other equipment are being done to prevent leakages and thus minimizing the fugitive emissions.
- Entire process is carried out in the closed loop with proper maintenance of pressure and temperature.
- Periodic monitoring of work area is being carried out to check the fugitive emission.
- To eliminate chances of leakages from glands of pumps, mechanical seals are provided at all ammonia pumps.
- Good housekeeping, proper maintenance and continuous monitoring & inspection will prevent the chances of any fugitive emission from the process plant.

When monitoring results, indicate parameters above permissible limit, necessary corrective action is carried out immediately.



Dust Extraction System in Bagging & Product Handling Unit



Urea Prill Tower with Vibro Priller



Dust Extraction System in Silo (Urea Storage Area)

Figure 1: Photographs of Dust Extraction System and Urea Prill Tower

ANNEXURE VI

MEASURES ADOPTED TO REDUCE FRESH WATER USES

ANNEXURES

IFFCO
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Annexure – VI

Major pollution abatement measures implemented for recycling and reusing of treated water and optimum utilisation of Raw/Fresh water

Sr. No.	Plant	Effluent Generated	Pollution Control Device	Method of Control
1.	Ammonia Plant	Process Condensate	Process Condensate Stripper in Ammonia plant	Process condensate from ammonia plant is stripped in MP Process condensate stripper to remove and recycle the dissolved impurities like methanol, ammonia and CO_2. **The stripped process condensate is reused as boiler feed water after passing through polisher unit.**
		Ammonical water from purge gas recovery (PGR) Unit	Ammonia Recovery Unit in Ammonia Plant	To treat ammonical water effluent from purge gas unit (PGR) in Ammonia plant, Ammonia Recovery Unit (ARU) has been installed. The system consist of distillation column with provision of steam stripping for lean ammonical solution. About 3.5 MT/ day of ammonia is being recovered and **the effluent water is reused as Cooling tower make-up.**
		Condensate from steam condensers.	Condensate Polisher Unit	Steam condensate from ammonia plant having traces of dissolved impurities are passed through Condensate Polisher Unit and then **reused as boiler feed water.**
		Condensate from Air compressor inter coolers	Reused as cooling tower make up	The pure condensate from all the three inter-stage coolers of air compressor is collected and sent to jacket cooling water sump. **Finally, it is reused as cooling tower make up water.**
		Ammonical water from inter stage separator of syn gas compressor	Ammonia recovery unit / Hydrolyser stripper unit	Ammonical water from inter-stage separator of Syn Gas compressor is collected and sent to ammonia recovery unit / hydrolyser stripper unit and then **reused as cooling tower make.**
		Continous blow down from steam drum.	Reused as cooling tower make up.	Blow down from steam drum is used for heating tail gas and **then finally reused as cooling tower make up.**

Sr. No.	Plant	Effluent Generated	Pollution Control Device	Method of Control
2.	Urea Plant	Process Condensate	Hydrolyser System	Process condensate from Urea plant contain 5.5 to 6.5% of Ammonia and 3.0% of Urea. It is treated in Urea Hydrolyser System, where urea is decomposed to Ammonia and Carbon Dioxide. The recovered ammonia and carbon dioxide is condensed in reflux condenser for use in process. **The condensate is sent to cooling tower to use as cooling tower make up water.**
		Turbine Condensate	Reused as boiler feed water	The surface condensate from CO_2 Compressor turbine is sent directly to de-aerator after heating to 96°C in surface condenser heater for **use as boiler feed water.**
		Steam Condensate	Reused as boiler feed water	First stage evaporator steam condensate, is sent directly to deaerator in steam generation plant All other steam condensate is collected in the atmospheric condensate tank and **the condensate is used as make-up to steam drum in urea plant** and **balance quantity is transferred to steam generation plant (BHEL boiler).**
		Condensate from inter-stage coolers of CO_2 compressor	Reused as cooling tower make up water	A condensate outlet from inter-stage separators is connected to CO_2 spray cooler sump and from there it is pumped to use as cooling tower make up.
3.	Steam generation plant	Continuous blow down	Reused as cooling tower make up	Blow down from steam generation plant is **used as cooling tower make up.**
		Steam Condensate	Reused as boiler feed water	First and second stage evaporators steam condensate, is sent directly to deaerator in steam generation plant All other steam condensate is collected in the atmospheric condensate tank and the condensate is used as make-up to steam drum in urea plant and balance quantity is transferred to steam generation plant (BHEL boiler).

ANNEXURE VII

E-MAIL SENT TO CPCB

ANNEXURES

IFFCO
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INDIAN FARMERS FERTILISER COOPERATIVE LIMITED
KALOL UNIT
P.O. Kasturinagar, Dist.: Gandhinagar (North Gujarat)
PIN Code : 382 423 (INDIA)

EPC/02/2300

Date: 21.7.2018

Central Pollution Control Board,
IT Division, 5th Floor
PariveshBhavan
East Arjun Nagar, Delhi 110032.

Kind Attn : Sri.Aditya Sharma, Scientist D, IT Division.

Sub: To check tampering of online continuous emission monitoring system (OCEMS) data through Remote calibration for emission parameters.

Ref:1) Direction received from the CPCB vide notice No 12011/33/2018/IT-RCAL dtd 25.6.2018

2) GPCB letter No GPCB/CCA-GNR-95(7)ID-16444, vide Outward No 459247 dtd 26.6.2018

Dear Sir,

With reference to above, our observations / action taken are as under:

Trial runs of PM analyzer (Make: Durag) which was installed at ID fan stack of urea prill tower were not successful. It was communicated to the supplier M/s Adage Automation, Mumbai. In response to it, Representative from Adage Automation visited site and removed the unit from prill tower ID Fan on 15.2.2018. This has already been communicated to CPCB vide our E-Mail msg dtd 2.7.2018 under the subject "OCEMS Compliance reporting protocol: IFFCO: Kalol Unit", copy of which is attached herewith as **Annexure – I**

In view of above, compliance of following points as mentioned in above referred GPCB letter (copy attached as **Annexure -II**) is not applicable for IFFCO - Kalol Unit.

A. Calibration facility for OCEMS is available at the Industry.
B. Instruments are periodically calibrated and calibration data is also entered automatically into the system through the software installed at industry.
C. Remote calibration facility is available at each gaseous OCEMS

This is for your kind information please.

Thanking you.

Yours faithfully,
For,IFFCO Kalol Unit

(D.G.Inamdar)
General Manager

Encl: as above

cc : (1) Mrs. Dipali Tank, Unit Head- Gandhinagar, GPCB, Gandhinagar
(2) Mr. D C Vankani, Regional Officer, GPCB, Gandhinagar

Phone: 079-23282005, 02764-223256, 223258
Fax : 079-23286020
Email : dginamdar@iffco.in
Web Site Address: www.iffco. in

Annexure - I

To: aditya.cpcb@nic.in, cems.cpcb@nic.in,
Cc: opdayama/kalol/iffco@iffco, epckalol/kalol/iffco@iffco,
Bcc: smohan/kalol/iffco,
Subject: Revised Mail on OCEMS Compliance reporting protocol - IFFCO : Kalol Unit
From: smohan/kalol/iffco - Monday 07/02/2018 11:46 AM

Dear Sir,

This is with reference to the telephonic talk which I had with you on 28.6.2018 regarding subject matter.

In this context, required data / information under OCEMS - Compliance reporting protocol for IFFCO-Kalol Unit have already been submitted online in CPCB Website.

Copy of acknowledgement slip is attached herewith for your reference.

OCEMS - Compliance reporting protocol - Acknowledgement slip.docx

Following are the Revised deviations / observations.

1) In the protocol, ETP - online continuous monitoring parameters such as Flow and ammonical nitrogen have been combined together. Hence there is no provision for mentioning characteristics of flow meters and ammonia analyser separately.

2) The system was not accepting industry code of IFFCO - Kalol unit i.e 07GJ007. Hence same has been mentioned alongwith industry name.

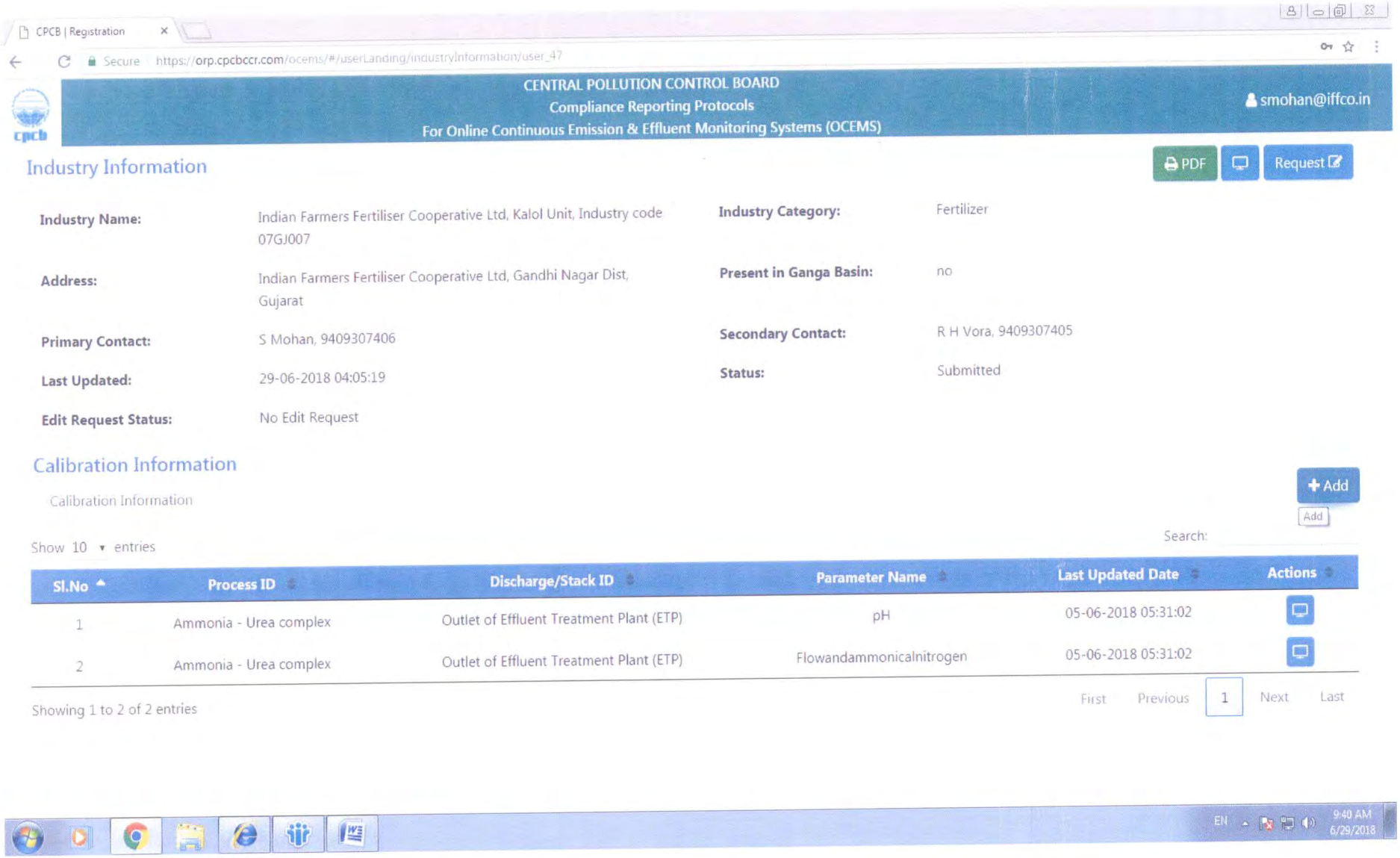
3) PM Analyser (Make : Durag) was supplied and installed at Prill tower ID fan by M/s Adage Automation, Mumbai on trial basis. But the trial runs were not successful. Same was communicated to the supplier. Accordingly representative from M/s Adage Automation visited site and removed the unit from prill tower ID fan on 15.2.2018

As per your advise, above points have been highlighted in the space meant for deviations / observations (Ref : Clause No 23 of Part III, Section H) of the protocol.

This is for your information please.

Regards,

S. Mohan
Dy. GM (Env & Pollution Control)
IFFCO Kalol Unit
Ph.: +91-9409307406 (M)
: 079-23282029 (O)


CPCB | Registration
Secure https://orp.cpcbccr.com/ocems/#/userLanding/industryInformation/user_47
CENTRAL POLLUTION CONTROL BOARD
Compliance Reporting Protocols
For Online Continuous Emission & Effluent Monitoring Systems (OCEMS)
smohan@iffco.in
Industry Information
PDF
Request
Industry Name: Indian Farmers Fertiliser Cooperative Ltd, Kalol Unit, Industry code 07GJ007
Industry Category: Fertilizer
Address: Indian Farmers Fertiliser Cooperative Ltd, Gandhi Nagar Dist, Gujarat
Present in Ganga Basin: no
Primary Contact: S Mohan, 9409307406
Secondary Contact: R H Vora, 9409307405
Last Updated: 29-06-2018 04:05:19
Status: Submitted
Edit Request Status: No Edit Request
Calibration Information
Calibration Information
+ Add
Add
Show 10 entries
Search:
Sl.No
Process ID
Discharge/Stack ID
Parameter Name
Last Updated Date
Actions
1 Ammonia - Urea complex Outlet of Effluent Treatment Plant (ETP) pH 05-06-2018 05:31:02
2 Ammonia - Urea complex Outlet of Effluent Treatment Plant (ETP) Flowandammonicalnitrogen 05-06-2018 05:31:02
Showing 1 to 2 of 2 entries
First Previous 1 Next Last
EN 9:40 AM 6/29/2018

Annexure - II

GPCB

GUJARAT POLLUTION CONTROL BOARD
PARYAVARAN BHAVAN
Sector-10-A, **Gandhinagar** 382 010
Phone : (079) 23222425
(079) 23232152
Fax : (079) 23232156
Website : www.gpcb.gov.in

R.P.A.D.

GPCB/CCA-GNR-95(7)/ID- 16444/ /date:

To,
M/s Indian Farmers Fertiliser Co-Operative Limited,
P.O.Kasturinagar, Dist- Gandhinagar.

Sub: To check tampering of online continuous emission monitoring system(OCEMS) data through Remote calibration for emission parameters.

Ref: Direction received from the Central Pollution Control Board(CPCB) vide letter No-C-1200/33/2017-2018/Tech/522 dated 16/04/2018.

Sir,

With respect to the above subject, the above referred CPCB letter dated 16/04/2018. Is enclosed here with for ready reference. You are hereby directed under Section 31 – (A) of the Air Act' 1981 to comply with following directions :

A) Calibration facility for OCEMS is available at the industry end.
B) Instruments are periodically calibrated & calibration data is also entered automatically into the system through the software installed at industry.
C) Remote calibration facility is available at each gaseous OCEMS.

As directed remote calibration facility should be mandatory & should made available at industry on or before 31/05/2018.

You are hereby directed to submit above each point compliance report to office of CPCB with copy to this office.

This letter is issued after approval from competent authority.

Thanking You.

For & on behalf of
Gujarat Pollution Control Board

(Dipali Tank)
Unit Head

Outward No. 459240 26/04/2018

ANNEXURE VIII

PHOTOGRAPHS OF CONTINUOUS ONLINE MONITORING SYSTEM

ANNEXURES

ONLINE MONITORING SYSTEM

1. Online monitoring of treated effluent parameters.

Online instruments / analyser for measurement of pH, Flow and ammonical nitrogen at the outlet of Effluent Treatment Plant (ETP) have been installed. Online data is captured in data logger and connectivity has also been established with both GPCB & CPCB Servers.



Online ammonia analyser at ETP



Online PH meter at ETP



DCS at ETP Control room showing flow rate of treated effluent which is used for gardening within plant premise.

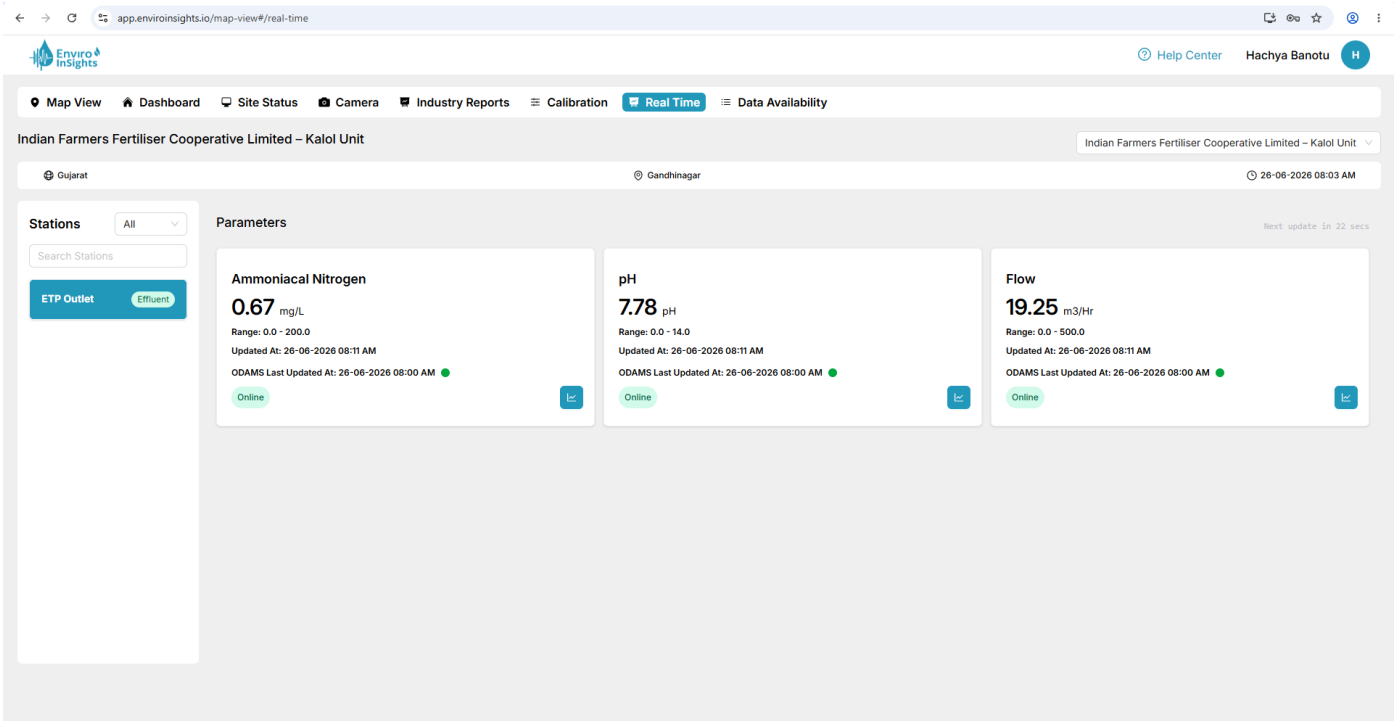


Photo of data logger (Local server) showing online readings of PH, Ammonical nitrogen and flow rate. These online data is transmitted to both CPCB & GPCB servers.

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ANNEXURE IX

STOCK OF TOXIC/HAZARDOUS RAW MATERIALS WITH QUANTITY

ANNEXURES

IFFCO
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Annexure - IX

Details of stock of toxic/hazardous raw material with quantity in the IFFCO Kalol Unit

Sr. No.	Toxic/Hazardous Raw material	Usage	Mode of Transportation	No. of Storage Tanks	Storage Capacity	Type of Storage	Opening Stock as on 01.10.2026
1	**RLNG**	Raw material for Ammonia plant	Through pipeline from GSPC	-	-	Pressure: 45 Kg/cm2 Temp: 22-25 degC: Continuous gas supply thru pipeline	Nil
2	**Ammonia**	Raw material for Urea plant	Through Pipeline from Ammonia	2	5000 MT + 10000 MT	-	6381 MT
3	**Carbon Dioxide (Gas)**	Raw material for Urea plant	Through Pipeline from Ammonia	-	-	-	Nil
4	**Hydro Chloric Acid**	For regeneration of Resins for Water treatment	By Road Tanker of 12 MT	2	2 x160 MT	FRP tanks at NTP Conditions	245 MT
5	**Sodium Hydroxide**	For regeneration of Ion exchange Resin in Water treatment & to maintain Cooling Water pH in Cooling Tower	By Road Tanker of 12 MT	3	29.5 KL + 50 KL + 9. 5 KL	MS rubber lined tanks at NTP Conditions	29 MT
6	**Sulphuric Acid**	To maintain Cooling Water pH in Cooling Tower	By Road Tanker of 12 MT	3	33 MT + 20 MT + 5 MT	MS rubber lined tanks at NTP Conditions	17 MT
7	**Chlorine**	For prevention of microbiological growth in water in Cooling Tower	By Road in tonner of 1 MT	Stored in Tonners	--	--	7 MT

ANNEXURE X

DETAILS OF MEDICAL FACILITY

AT

OCCUPATIONAL HEALTH CENTRE

ANNEXURES

KALOL UNIT

Annexure - X

Details of Medical Facilities at Occupational Health Centre (OHC) at IFFCO Kalol

1) Availability of staff at OHC:

- One Pharmacist / Staff nurse round the clock on OHC in shift duty.
- One Ambulance driver with well-equipped Ambulance.
- One doctor is available in OPD hours and on call basis in remaining time.
- One Safai Karmachari (Cleaner) is available in from 6 am to 10 pm as per their shift schedule.

2) Medical facilities at OHC:

- 2 (Two) Beds for first aid and daycare for emergency patient
- Oxygen Cylinder
- Oxygen Generator
- Defrillator for Cardiac Arrest patient
- Nebulizer for Asthmatic Patient
- ECG Machine
- Pulmonary Function Test Machine
- Suction Machine
- Breath Analyzer for Alcoholic patients
- Mercury free BP Apparatus
- Infrared Thermometer
- Sterilizer and Autoclave for Disinfection of Instruments
- Ultra Violet (UV) Chamber for disinfection of instruments
- One Auto loaded Stretcher for fast movement of patient
- One Eye Shower and Overhead Shower in front of OHC
- Color coded buckets for Bio Medical Waste Segregation as per GPCB guidelines
- Emergency Medicines
- OTC Medicines for OPD usage.

ANNEXURE X A & X B

MEDICAL CHECKUP REPORT

ANNEXURES

HEALTH REGISTER FOR WORKERS OF HAZARDOUS AREA

Unit : Kalol | Period 2026-I | Type of Employment EMPLOYEE

1. Serial number in the register of the audit workers : 110263
2. Name of worker : VIJAYKUMAR L PATEL
3. Designation : Tech.(Mech) Gr II
4. Sex : MALE
5. Age (in years) : 33:6

Dept	Name of Hazardous Process	Dangerous Process / Operation	Name of occupation	Raw products/ byproducts	Date of Posting	Date of Transfer	Reason for Transfer	Date of Medical Examination	Signs and Symptoms Observed During Examination	Nature of result	Result Fit or Unfit	Period of temporary withdrawal from work	Reason for withdrawal	Date of declaring fit/ unfit	Date of issuing fitness certi.	Sign of factory medical officer
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
MECH.MAINT	Yes		Tech. (Mech) Gr II	AMMONIA, CONC.SULPHURIC ACID, PHOSPHORIC ACID, UREA, FILLER, DUST.				02/06/2026	P.R.- 90/min B.P.- 128/74mm Hg R.R.- 20/min CHEST- B/L NVBS +, no added sounds CVS- S1 S2 present, no murmurs CNS- intact P/A- Soft, nontender LIVER/ SPLEEN- NOT PALPABLE TEMPERATURE- AFEBRILE CYANOSIS- NOT PRESENT PALLOR- NOT PRESENT CLUBBING- NOT PRESENT AUDIOMETRY- SPIROMETRY- REMARKS- Fit on the basis of primary clinical examination. However routine investigations are advised. K/C/O HTN and Urolithiasis on regular Rx	NORMAL	FIT	Not Applicable	Not Applicable	02/06/2026		DR. SAMPAGAVI PAVANESH SOMESH

HEALTH REGISTER FOR WORKERS OF HAZARDOUS AREA

Unit : Kalol Period 2026-I Type of Employment W

1. Serial number in the register of the audit workers : 9870082729
2. Name of worker : Gautamji Thakor
3. Designation :
4. Sex : MALE
5. Age (in years) : 28

Dept	Name of Hazardous Process	Dangerous Process / Operation	Name of occupation	Raw products/ byproducts	Date of Posting	Date of Transfer	Reason for Transfer	Date of Medical Examination	Signs and Symptoms Observed During Examination	Nature of result	Result Fit or Unfit	Period of temporary withdrawal from work	Reason for withdrawal	Date of declaring fit/ unfit	Date of issuing fitness certi.	Sign of factory medical officer
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
CIVIL	No		Labour	AMMONIA, CONC.SULPHURIC ACID, PHOSPHORIC ACID, UREA, FILLER, DUST.				01/06/2026	P.R.- 98/min B.P.- 106/56mm Hg R.R.- 20/min CHEST- B/L NVBS +, no added sounds CVS- S1 S2 present, no murmurs CNS- intact P/A- Soft, nontender LIVER/ SPLEEN- NOT PALPABLE TEMPERATURE- AFEBRILE CYANOSIS- NOT PRESENT PALLOR- NOT PRESENT CLUBBING- NOT PRESENT AUDIOMETRY- NA SPIROMETRY- NA REMARKS- Fit on the basis of primary clinical examination. However routine investigations are advised	NORMAL	FIT	Not Applicable	Not Applicable	01/06/2026		DR. SAMPAGAVI PAVANESH SOMESH

ANNEXURE XI

LIST OF PPE'S AVAILABLE AT VARIOUS PLANT SHOP FLOOR AREAS

ANNEXURES

Annexure - XI

List of safety equipment's

Sr. no.	Equipment/ PPE name	Plant buildings (Amm, Urea, B&MH, Offsite, & other areas)	F&S store & fire tender	Total
1.	SCBA set	15	18	33
2.	ELSA set (10 Min)	46	54	100
3.	Gas mask or escape hood	66	10	76
4.	Digital Gas Detector	5	6	11
5.	Safety showers	35	1	36
6.	Safety Belt	20	35	55
7.	Face shield	10	14	24
8.	Goggles	16	24	40
9.	Acid/alkali proof hand gloves	18	22	40
10.	PVC hand gloves	10	38	48
11.	Basofil hand gloves	10	5	15
12.	Chemical protection suits	14	22	36
13.	Aluminized suit	1	4	5

Other safety equipment's

1. Safety helmet
2. Dust mask
3. Ear plug
4. Chemical Hand gloves
5. Hot gloves
6. Cotton hand gloves
7. Polka dotted hand gloves

ANNEXURE XII

PHOTOGRAPHS OF TRAINING

ANNEXURES

Annexure - XII

Safety Training

IFFCO Kalol unit is having a DISH (Directorate of Industrial Safety & Healthy) approved training center.

Following training programs are conducted for the Employees, contract workmen, GETs, apprentice trainees, IFFCO Trainees and Vocational trainee.

- **Induction training:** For newly joined IFFCO employee, GETs, apprentice trainees, IFFCO Trainees and Vocational trainee
- **Induction training:** For contract workmen by F&S Department.
- **Job specific training:** Toolbox talk related to specific job like welding, cutting, grinding, vessel entry, work at height, excavation, handling hazardous chemicals etc.
- **Refresher training:** In the month of January for employees as well as contract employees, GETs, apprentice trainees, IFFCO Trainees and Vocational trainee.
- **Community awareness:** To nearby villagers, school students at regular interval
- Employees are sponsored for SHE training programs at various reputed institutions.
- Regular drills and training are conducted for F&S staff at Fire station.

Photographs of training:

1.	**- To create safety awareness & consciousness, regular training and re-training / refresher programmes are conducted for employees and contractor's workmen.**







- Training on use of Fire & Safety Equipment’s was given to all the control room staffs and contract workmen.









- **Chemical Safety & use of chemical safety PPEs Training was given to the control room staff**





ANNEXURE XIII

DETAILS OF FIRE AND SAFETY SYSTEM AVAILABLE

ANNEXURES

Annexure - XIII

Details of Fire & Safety Systems

- Full Fledged Fire & Safety department with professionally qualified, experienced & skilled staff.
- Fire extinguishers of different types provided all over the plant areas and buildings at strategic locations.
- Fire Hydrant & Riser system with Hose boxes – for empty bag storage areas.
- FM-200 Local application system for the protection of Server room.
- Modular type Halotron fire extinguishers & NOVAC Based Automatic Fire Suppression system & Smoke detection system has been installed at Plant telephone exchange.
- NOVAC Based Automatic Fire Suppression system & Smoke detection system has been installed at Server room of IT Services.
- Installation of DCS for effective F&S Control Room operation.
- Analog addressable fire detection system at various plant control rooms, Electrical MCC s and buildings.
- Manual call points at strategic locations all over the plant premises.
- Various Fire & Safety Appliances like Foam Tenders, Fire Jeep, Water Jet Monitors, Foam Monitors, Fire Pumps (Elect.), Fire Pumps (Diesel), Jockey Pumps etc.
- Remotely operated sprinkler system for Ammonia loading pumps, Ammonia loading gantry (rail & road) at storage area, ammonia & carbamate pumps in Urea plant.
- Water curtain system along the stairs of Urea prill tower.
- Clean agent fire extinguishers for office building areas.
- State of art beam detection system has been installed at Urea empty bag Storage area in Bagging Plant.
- Complete fire protection system such as fire hydrant system, sprinkler system, fire extinguishers fire water monitors, fire pump house etc.at Nano Fertiliser plants.

I. Safety Measures

- OH & S policy at corporate level and IMS policy at Unit level and said Policies of IFFCO are given in Figure 1 and Figure 2.
  Hazard Identification and Risk Assessment.
  Work Permit System procedure has been established for safely execution of job.
  Lock Out and Tag Out procedure has been established for Isolation of energized equipment s/machineries.
  Standard Operating procedures.
  Start-up procedure Shut down procedure, emergency procedure.
  Inbuilt safety measures such as trips, alarms, logics.
  All the pressure vessels/pipelines are provided with Safety Relief Valves, Audio-Visual alarms, trips, Safety interlocks.
  Mechanical integrity through Preventive Maintenance for all the machineries at regular intervals.

Safety instrumentation- DCS System for plant process monitoring.

Insulation of all the process equipments which are subjected to high temperature conditions.

Workers participation in Safety Management system:- Safety committee meetings, employee suggestion schemes.

Incident Investigation & reporting.

Online near miss reporting system.

DISH Certified competent persons for issuing work permit to carry out jobs in confined space.

DISH Approved training center to impart training for all the level of employees/Contract workmen.

- MSDS related to all the chemicals used in IFFCO Kalol complex are available

Explosive concentration checking near the flanges.

Fire resistant construction for all reaction vessels.

Flame Retardant Low Smoke (FRLS) Cables are installed for electrical network.

All the electrical fittings are provided with fuses, relays, circuit breakers.

Management level Visual Inspection committee which quarterly carries out Hazardous Installation Inspection at these places.

Various internal and external safety audits, Plant Safety committee, House-keeping committees formed which conduct their audits regarding OS & H and demand time bund compliance.

Hazardous areas already barricaded and separated from other operating units by proper separation distances. In such area, all equipments used are flameproof and intrinsically safe.

Plant Safety Inspections.

Hazard communication by the means of Safety Bulletin, Safety Posters, Caution boards.

Chemicals are stored at isolated storage facility and labelling also done for identification of the container/chemicals.

On-site emergency plan.

Regularly conduct Mock drills.

Various PPES, Fire extinguishers, safety showers, First aid boxes (filled) & online air masks, Gas masks etc are provided at various Hazardous installations.

Well demonstrated Safety Exhibition:

- There is a well equipped safety exhibition at F&S building. Different types of fire and safety equipment s have been displayed to make the people aware about available equipment s, facilities and their use.









Safety of Visitors

1. IFFCO Kalol has established online system for visitors evaluation on HSE aspects before issuing them the gate pass.
2. We have made a safety film for visitors. The film is shown to all the visitors at Security building and then the visitors are asked to undergo an online safety quiz based on the contents displayed in safety film.
3. After successful completion on quiz gate pass is issued to visitors for entry inside plant premises.







II. Fire Protection Measures

- Full Fledged Fire professionally qualified, experienced & skilled staff.
- Under Ground fire Hydrant system all over the plant as well as water and foam monitor system in crucial areas.
- Installation of DCS for effective F&S Control Room operation.
- Fire extinguishers of different types provided all over the plant areas and buildings at strategic locations.
- Fire Hydrant & Riser system with Hose boxes – for empty bag storage areas.
- FM-200 Local application system for the protection of Server room.
- Modular type Halotron fire extinguishers & NOVAC Based Automatic Fire Suppression system & Smoke detection system has been installed at Plant telephone exchange.
- NOVAC Based Automatic Fire Suppression system & Smoke detection system has been installed at Server room of IT Services.
- Analog addressable fire detection system at various plant control rooms, Electrical MCC s and buildings.
- Manual call points at strategic locations all over the plant premises.
- Various Fire & Safety Appliances like Foam Tenders, Fire Jeep, Water Jet Monitors, Foam Monitors, Fire Pumps (Elect.) Fire Pumps (Diesel), Jockey Pumps and Air Compressors.
- Remotely operated sprinkler system for Ammonia loading pumps, Ammonia loading gantry (rail & road) at storage area, ammonia & carbamet pumps in Urea plant.
- Water curtain system along the stairs of Urea prill tower.
- Clean agent fire extinguishers for office building areas.
- State of art beam detection system has been installed at Urea empty bag Storage area in Bagging Plant.

Detail of the fire protection system with photograph has been given below-

(1) FIRE WATER RESORVOIR CAPACITY: 5100 M^3 + 410 M^3 RCC Tanks





(2) FIRE PUMPS:

(i) Two Nos. Jockey Pumps Having Capacity of 11M^3/Hr and Two Nos. Jockey Pumps Having Capacity of (30 M^3/Hr)

(ii) One No. 1000 GPM Electrical Drive pump (273 M^3/Hr) and One No. 1500 GPM Electrical Drive pump (410 M^3/Hr)

(iii) One No. 1500 GPM Diesel Engine driven Drive pump (410 M^3/Hr)

(3) FIRE HYDRANT SYSTEM: Fire hydrants and water monitors have been installed at various locations of the plant premises.









(5) FIRE HYDRANT ISOLATION VALVES: Isolation valves have been provided at regular interval.

(6) FIRE EXTINGUISHERS: Various types of fire extinguisher considering the class of fire and degree of hazards have been installed at various location of plant premises and office buildings. Powder type, gas type and clean agent type fire extinguisher have been installed.







(8) FIRE VEHICLES: Four Nos.

Sr. No.	Tender	Capacity		Pump Capacity (LPM)	Registration No.
		Water (Litre)	Foam (Litre)		
1	Foam Tender	3500	500	2250	GJ -18 -AX- 6736
2	Foam Tender	2500	500	1800	GJ– 18 - U - 8656
3	Foam Tender	4000	500	3000	GJ -18 -SS- 1600
4	Fire Jeep	-	-	-	GJ -18 – AX - 1375



(9) FIRE/EMERGENCY COMMUNICATION SYSTEM:

- Fire Alarm Panel Boxes (Manual Call Point):





- Smoke Detectors: For early detection- 600 nos.



- Public Announcing System
- Walky Talky System
- Internal Telephones (2222 Nos. Only receiving Mode, 2635 Fire Control Room Incharge)
- Coded Siren with 05 Km range.

(10) Gas detection equipment:- Ammonia and hydrocarbon gas detectors have been installed at Ammonia, Urea and Offsite ammonia storage area.

(11) NOVAC Based Automatic Fire Suppression system & FM 200 flooding system has been installed at Plant telephone exchange.





III. Safety Training

IFFCO Kalol unit is having a DISH (Directorate of Industrial Safety & Healthy) approved training center.

Following training programs are conducted for the Employees, contract workmen, GETs, apprentice trainees, IFFCO Trainees and Vocational trainee

- **Induction training:** For newly joined IFFCO employee, GETs, apprentice trainees, IFFCO Trainees and Vocational trainee
- **Induction training:** For contract workmen by F&S Department.
- **Job specific training:** Toolbox talk related to specific job like welding, cutting, grinding, vessel entry, work at height, excavation, handling hazardous chemicals etc.
- **Refresher training:** In the month of January for employees as well as contract employees, GETs, apprentice trainees, IFFCO Trainees and Vocational trainee.
- **Community awareness:** To nearby villagers, school students at regular interval
- Employees are sponsored for SHE training programs at various reputed institutions.
- Regular drills and training are conducted for F&S staff at Fire station.








FIRE PROTECTION SYSTEM IN NANO FERTILISER PLANT

1. **FIRE WATER RESERVOIR & FIRE FIGHTING PUMP**

   The fire water reservoir is of 820 M^3 capacity.

   The fire pump house consists of
   i. one main electrical fire pump of capacity 410 m^3/hr.,
   ii. one diesel driven centrifugal standby pump of capacity 410 m^3/hr.,
   iii. two nos. of electrical motor driven jockey pump of capacity 20.5 m^3/hr.

2. **Fire hydrant & water monitors:** The entire plant and its premises are covered by external hydrants, internal hydrants and fire water monitor.
3. **Smoke detection and Fire Alarm System:** Smoke detectors are installed in the shop floor offices in the plant and heat detectors in pantries and kitchen area.
4. **Fire Extinguishers**
   Various types of fire extinguisher considering the class of fire and degree of hazards have been installed at various location of plant premises and office buildings. Powder type, gas type and clean agent type fire extinguisher have been installed.
5. **Novec 1230 - 25 Bar Gas Suppression System for ELV Room**
6. **Sprinkler system for automated storage and retrieval system**



ANNEXURE XIV

DETAILS OF RAINWATER HARVESTING SYSTEM

ANNEXURES

RAINWATER HARVESTING AT IFFCO – KALOL

(I) Rain water harvesting at Township – Kasturinagar

(Artificial recharge project by West Central Region(WCR), Central Ground Water Board

In collaboration with West Central Region, Central Ground Water Board(CGWB), water recharging well of 600 m^3 capacity was installed and commissioned on 15th August 2001 for rain water harvesting at the cost of Rs 6.85 lakhs. Almost total rainwater of Kasturinagar Township is collected in 700 m^3 capacity sumps and water is percolated in the soil through two tube wells provided.









Rain Water Harvesting system (Old) (36 m^3/hr capacity)

Rain Water Harvesting system (New) (25 m^3/hr capacity)

Apart from above, “Rain water harvesting modules” of Approx. 25 m^3 capacity was installed at its township for harvesting the rain water. This is a “Precast modular step well” type (Primary+ Secondary) of system which operate on gravity and does not require electricity.

Primary module is for primary filtration of surface water. The water enters into the module horizontally from the surface. Top module is provided with gravel which restrict physical particles like vegetation and plastic entering the module and lower module acts as sedimentation/ settling tank.

Secondary unit have V-Wire screens of SS and a sand bed and gravels which control physical particles and natural environment impurities. The clean & pure rainwater is diverted to bore well of existing rain water harvesting system through cast iron pipe.

The system was commissioned on 15th August - 2014. Cost of implementation of the scheme was Rs. 1.6 Lakhs.

Project Area: Kasturinagar, Residential colony

General Description Rain Water Harvesting system (36 m^3/hr capacity)

(fig. 1 Site Plan)

- *Surface area* : *220,000 sq.m*
- *Effective area* : *176,000 sq.m*
  (80% of the total area)
- *Normal Rainfall* : *823.10 mm*
  (1931 – 60)
- *No. of Rainy Days* : *37 days*
- *Monsoon Period* : *June to Sept.*
- *Average annual Rainfall* : *713 mm*

Hydrogeology

- ***Type of formation*** : *Alluviumn (Clayey sand, sandy clay, kankar)*
- ***Water level*** *(semi-confined)* : *60 – 80 m bgl* :
- ***Aquifer system***
  - *Phreatic* : *Gl to 35 m*
  - *Semi-confined* : *55 to 175 m*
  - *Confined* : *205 to 340 m*
- ***Hydraulic characteristics***
  - *Avg. Transmissivity* : *690 m2/day*

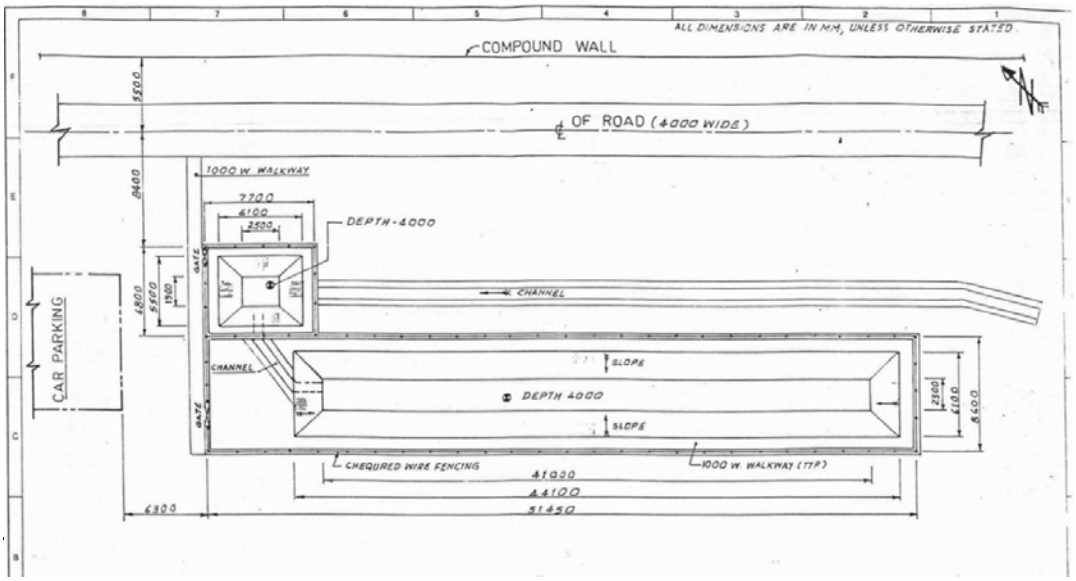
Availability of source water

- *Source* : *Rainfall*
- *Ave. estimated monsoon runoff* : *0.713 x 176000 = 0.1255 MCM/yr*
- *Potential runoff available* : *0.075293 MCM/yr*

(Considering 60 % of rainfall occurring in long spells)

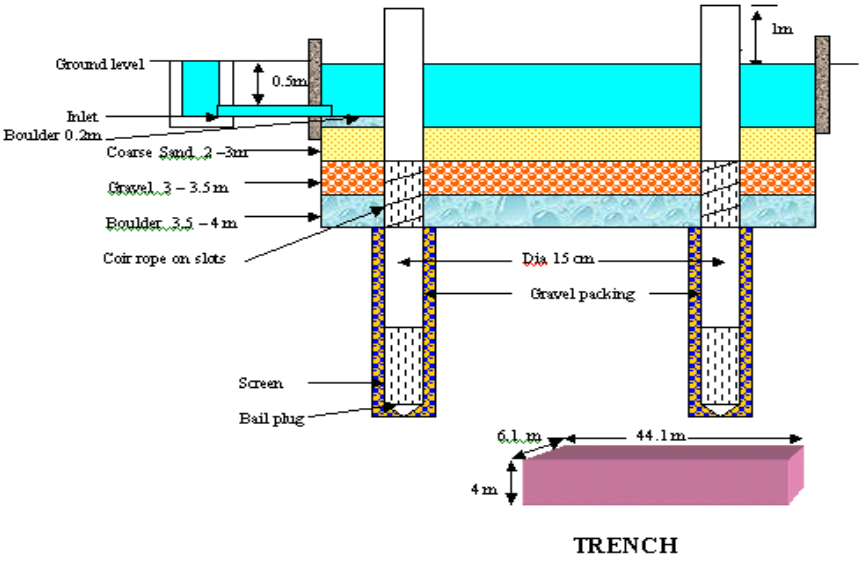
- *Estimated availability of Runoff* : *1760 m3/day*
  at rainfall intensity of 10 mm/day (area 176000 m2)x (rainfall 0.01)
- *Potential runoff available* : *1056 m3/day*
  (Considering 60% of rainfall)

Site plan of the area: (fig. 1)



- **1** ***Trench <u>Dimensions</u> (Ref: Fig 2)***
  - *Length - 44.1 m, Width – 6.1 m & Depth – 4 m*
  - *Holding capacity : 475 m3*
  - *Filling Material : Graded material (Coarse sand & Gravel)*
- ***2 Injection wells (Ref: fig 2)***
  - *Depth : 47 m bgl*
  - *Dia : 152 mm*
  - *Screened section : 8 – 45 m bgl*

<u>Fig. 2</u>



TRENCH

(II) Rain water harvesting at plant area

"Rain water harvesting modules" of Approx. 25 m^3 capacity has been installed near Union Office at Plant site. This is a "Precast modular step well with bore well" with natural filters.

It consists of single module with internal volume of approximately 0.8 cubic meter that is to be fixed below ground level. The module is of an octagonal shape with a diameter of approximately 1000 mm below ground level and 918 mm above ground level.

The inlet and outlet of the system is 110 diameter UPVC pipes. The entire system contains approximately 0.06 cubic meter gravels of 40 mm size. Drilling depth as per geo logical condition is 60 ft.

The system was commissioned on 15th August - 2014. Cost of implementation of scheme was Rs. 2.2 Lakhs.



Module at Union office, IFFCO Kalol Plant

(III) Rain water harvesting with Bore well (02 Nos) installed at Township (Furaat Modular Model - PMW-92CFM-P1, Cement concrete system with SS 304 screen with Natural Filters)

It consists of single module with internal volume of approximately 0.8 cubic metre that is fixed below ground level. The module is of an octagonal shape with a diameter of approximately 1000 mm below ground level and 918 mm above ground level and below the planters and the top of the planter is approximately 1240 mm diameter.

It has a total of 16 pillars of 105 mm dia x 330 mm height fixed in circular arrangement with a gap of 30 mm between each two pillars making a total horizontal inlet area of 1584 cubic centimeter. The area within the pillars, above ground level and below the planter holds the gravels of 40 mm and acts as a filter.

Total height of the system is 2178 mm alongwith four planters of 570 x 570 x 186 having volume of approximately 0.025 cubic meter of each planter.



Module installed near Sr. GM Bunglow



Module installed near Nehru Circle

The height of the unit below the ground level is approximately 1602 mm and the system height above ground level but without lanters is 390 mm. The height of the system above ground level with planters is approximately 576 mm.

There is a PVC sand filter of 315 dia x 1494 height in the unit below ground level. It also comprises of SS screen of 304 grade with filter area of 735 sq cm. and can hold 0.04 cubic meter of filtration sand.

The inlet and outlet of the system is 110 diameter UPVC Heavy Grade Pipes. The entire system contains proximately 0.06 cubic meter gravels of 40 mm size. Depth is 60 ft.

Both the system were commissioned on 17th March 2017. Cost of implementation of the scheme was Rs. 6.29 Lakhs.

(iv) Rainwater Harvesting at IFFCO Kalol – Nano Fertiliser Plant

The rainwater harvesting is being done at NFP Kalol by collecting the water from the PEB structure. “Storm water channel” helps in collecting the water from the PEB structure via drain channel and then the water is collected inside recharge wells.

There are 5 nos. of percolation wells with total capacity of 921.28 cum can cater 100% of total run-off volume (872.66 cum) in nano fertilizer plant connected to second aquifer layer through bore of around 180 meters. There is a network of interconnected recharge wells through strong water channels & pits for circulation & management of rainwater through strong water channel to a pond at the boundary of the plant.

The schematic diagram for the network & recharge well is enclosed for technical reference of the system designed by M/s. S3M Design Consultants LLP.



(Recharge well near Reynold Chiller1)



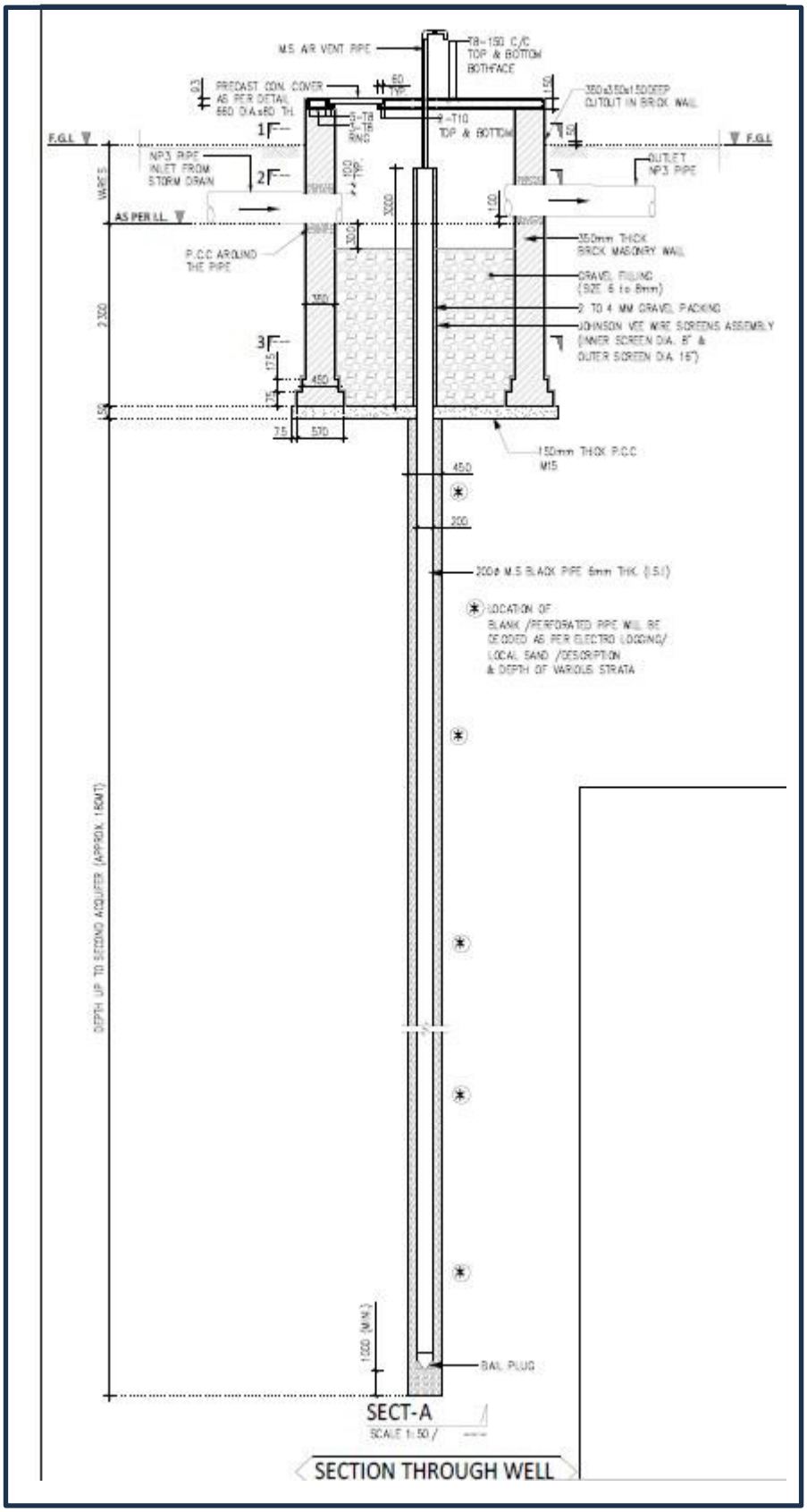
(Recharge well near Air washer)



(Recharge well near NFP-1 Entrance)



(Outside NFP admin)


M.S. AIR VENT PIPE
T8-150 C/C TOP & BOTTOM BOTHFACE
PRECAST CON. COVER AS PER DETAIL 660 DIA x 60 TH.
350 x 350 x 1500 DEEP CUTOUT IN BRICK WALL
8-T8 RING
9-T10 TOP & BOTTOM
F.G.L
NP3 PIPE INLET FROM STORM DRAIN
OUTLET NP3 PIPE
AS PER LL
P.C.C AROUND THE PIPE
350mm THICK BRICK MASONRY WALL
GRAVEL FILLING (SIZE 6 to 8mm)
2 TO 4 MM GRAVEL PACKING
JOHNSON VEE WIRE SCREENS ASSEMBLY (INNER SCREEN DIA. 8" & OUTER SCREEN DIA. 16")
150mm THICK P.C.C M15
200ø M.S BLACK PIPE 6mm THK. (I.S.I)
LOCATION OF BLANK /PERFORATED PIPE WILL BE DECIDED AS PER ELECTRO LOGGING/ LOCAL SAND /DESCRIPTION & DEPTH OF VARIOUS STRATA
DEPTH UP TO SECOND AQUIFER (APPROX. 150MT)
1000 (MIN.)
BAIL PLUG
SECT-A
SCALE 1:50 /
SECTION THROUGH WELL

ANNEXURE XV (i)

REGISTRATION CERTIFICATE

AS BRAND OWNER

UNDER THE PLASTIC WASTE MANAGEMENT RULES, 2016

EPR REGISTRATION

ANNEXURES

Central Pollution Control Board
(Ministry Of Environment, Forest and Climate Change, Govt. of India)
Parivesh Bhawan, East Arjun Nagar
Delhi-110032

-

Regn. No.
BO-27-000-06-AAAAI0050M-22

Date:
28/06/2022 04:30 PM

RENEWAL OF REGISTRATION CERTIFICATE FOR BRAND OWNER

(Under Rule-13(2) of the Plastic Waste Management Rules, 2016, as amended)

To,

INDIAN FARMERS FERTILISER COOPERATIVE LIMITED (IFFCO),
IFFCO SADAN, C-1,
DISTRICT CENTRE,
SAKET PLACE

With reference to the application dated **27/05/2022** regarding registration as a **Brand Owner**, this is to inform that your application has been processed and found in order. Now, therefore, Central Polution Control Board Board is pleased to grant the registration in favour of **INDIAN FARMERS FERTILISER COOPERATIVE LIMITED (IFFCO)**, vide registered office address **IFFCO SADAN, C-1, DISTRICT CENTRE, SAKET PLACE**, as a Brand Owner, for disposal of MLP & other plastic waste generated due to their products as per the EPR Action Plan given below:

Sl. No	Financial Year	2022-23			
	State/UT	Cat-I	Cat-II	Cat-III	Cat-IV
1	CPCB	485.45	23526.65	0.00	0.00
TOTAL		**485.45**	**23526.65**	**0.00**	**0.00**
Grand Total		**24012.1 TPA**			

This certificate of registration shall be valid for a period of **Three years** from the expiry date of previous registration i.e. 26/05/2022 unless revoked, suspended or cancelled. The Registration is granted subject to the following terms & conditions: -

1. The Brand Owner shall fulfil the categorize EPR Targets for the year 2022-23 as specified in the above table. For the subsequent years, EPR Target shall be calculated based on the information provided in the Annual report, the format of which shall be specified by CPCB.

2. The Brand Owner shall provide certificate only from registered plastic waste processors as evidence of fulfilling their EPR obligation. The PIBO can meet the EPR obligation under a category by providing EPR certificates from other PIBOs of the same category.

3. Exchange of EPR credit between PIBOs and Plastic Waste Processors (PWP) to be done as per mechanism provided by CPCB.

4. The Brand Owner shall not deal with any entity not registered through on-line centralized portal developed by Central Pollution Control Board. .

5. The Brand Owner shall not engage in manufacture, stocking, distribution, selling of banned SUP items as listed in Amendment to PWM Rules dated August 12, 2021

6. In case, it is found or determined that any PIBO registered on the on-line portal has provided false information or has willfully concealed information or there is any irregularity or deviation from the conditions stipulated while obtaining registration under Extended Producer Responsibility guidelines, then the registration of such an entity would be revoked for a one - year period after giving an opportunity to be heard. The entities whose registration has been revoked shall not be able to register afresh for the period of revocation.

7. The Brand Owner should ensure compliance with provisions of the PWM Rules, 2016, as amended. Action, as deemed fit, including revocation of registration, closure of unit, levying Environmental Compensation charges, shall be taken against violators of PWM Rules.

8. CPCB reserves the right to take such action as deemed fit under Environment (Protection) Act, 1986 for violation of PWM Rules, 2016, as amended, if any, by the concerned PIBO for the period prior to grant of registration.

Div. Head, UPC-II

ANNEXURE XV (ii)

EPR Annual Report 2024 2025 as Brand Owner

ANNEXURES

EPR Annual Report 2024 - 2025 IFFCO as Brand Owner

1. Name of Unit	INDIAN FARMERS FERTILISER COOPERATIVE LIMITED (IFFCO)
2. Filing for Year	2024-25
3. Category	BRAND OWNER

4. Annual Report (2024-25)

	Category	Procurement (Tons)	Sales (Tons)	Export (Tons)	Reuse (Tons)	UREP (Tons)
	Cat I	2635.8382	1980.0000	0.0000	0.0000	0
	Cat II	24341.332137841793	30276.0000	0.0000	NA	0.6250
	Cat III	0.135700000000000...	0.1357	0.0000	NA	0
	Cat IV	NA	0.0000	0.0000	NA	0

5. Compliance Status of Fulfilment of EPR Targets

	Category	Target	Achieved	Available Potential	Remarks
	Cat 1 - Recycling Plastic	664	664	2744	Close
	Cat 2 - Recycling Plastic	9323	9323	3500	Close
	Cat 3 - Recycling Plastic	1	1	6	Close
	Cat 4 - Recycling Plastic	0	0	0	Close
	Cat 1 - End of Life Plastic	664	664	1420	Close
	Cat 2 - End of Life Plastic	21753	21753	9336	Close
	Cat 3 - End of Life Plastic	2	2	2	Close
	Cat 4 - End of Life Plastic	0	0	0	Close
	Cat 1 - Mandated Use of Recycled Plastic	NA	0	0	Close
	Cat 2 - Mandated Use of Recycled Plastic	NA	0	0	Close
	Cat 3 - Mandated Use of Recycled Plastic	NA	0	0	Close
	Cat 1 - Reuse of Plastic (Containers> 0.9 L & < 4.9 L)	0	0	0	Close

	Cat 1 - Mandated Use of Recycled Plastic	NA	0	0	Close
	Cat 2 - Mandated Use of Recycled Plastic	NA	0	0	Close
	Cat 3 - Mandated Use of Recycled Plastic	NA	0	0	Close
	Cat 1 - Reuse of Plastic (Containers> 0.9 L & < 4.9 L)	0	0	0	Close
	CAT 1 - Reuse of Plastic (Containers> 4.9 L)	0	0	0	Close

6. Upload Re-use plan

View

7. Export Documents

No Data Found

8. Next year Targets (2025-26)

	Category	Target
	Cat 1 - Recycling Plastic	1061
	Cat 2 - Recycling Plastic	12066
	Cat 3 - Recycling Plastic	0
	Cat 4 - Recycling Plastic	0
	Cat 1 - End of Life Plastic	708
	Cat 2 - End of Life Plastic	18099
	Cat 3 - End of Life Plastic	0
	Cat 4 - End of Life Plastic	0
	Cat 1 - Reuse of Plastic (Containers> 0.9 L & < 4.9 L)	0
	CAT 1 - Reuse of Plastic (Containers> 4.9 L)	0

ANNEXURE XV A

REPORT ON AWARENESS PROGRAMME

ON SOLID WASTE MGT.

AND

STOP USE OF SINGLE USE PLASTIC

ANNEXURES

Project Report

on

Plastic Waste Management Campaign

Under

Submitted By:

Indian Farmers Fertiliser Cooperative Ltd (IFFCO) – Kalol Unit

Submitted to:

Gujarat Pollution Control Board

Prepared By:

Aztec Recycling hub Pvt Ltd

Content

1. Introduction
2. Objective
3. Methodology
4. Overall Strategy
5. Steps towards activity
6. Introduction of IFFCO
7. Introduction of WMA & Recycler
8. IEC Activity for effective implementation of PWM
9. Selection of Villages
10. IEC Activity for effective Implementation of PWM
11. Plastic Waste Collection Activity

Introduction:

The overall mission of the campaign is to manage plastic waste generated in the rural / gramin area by source segregation, reuse, recycling, and minimization of waste generation.

The above agenda was effectively fulfilled by three major activities

- Awareness on segregation at Source, mainly plastic waste disposal process.
- Information Education Communication (IEC) activities for effective awareness of plastic disposal.
- Collection and recycling of post-consumers used plastic waste from villages.

The overall strategy at various villages around the IFFCO Kalol Unit is to conduct awareness programs, plastic waste collection process for disposal, storage of wastes at the designated places and sending it to the disposal site i.e. recycler, co-processor, etc.

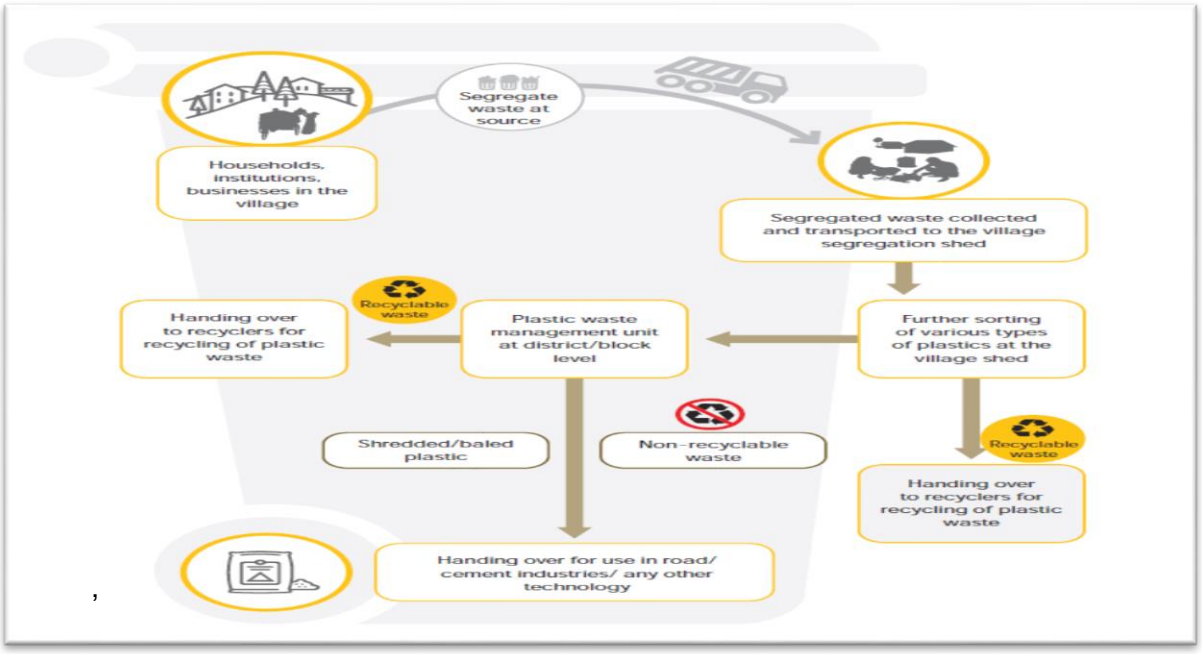
Objective:

- Collection of plastic wastes from rural areas
- To avoid water and land get polluted from plastic wastes
- To maintain the hygiene and health of citizens
- Create awareness about threats associated with Plastic Wastes among the people in the rural areas.
- Actively participate in achieving global sustainable goals in rural areas.

Methodology:

Methodology is to establish one Material Recovery Facility (MRF) center along with gram panchayat and collaboration with selected villages located nearby IFFCO - Kalol unit for PWM. To carry out this activity, a Waste Management Agency(WMA) i.e., M/s Aztec Recycling Hub Pvt Ltd was appointed by IFFCO-Kalol Unit for collection of plastic wastes, its segregation, transportation and disposal for recycling , all in compliance with GPCB Norms.. IFFCO Kalol unit has provided the overall support and capital funding for establishing such methods / collection of plastic wastes from the villages for recycling.

Overall Strategy:



,

Steps adopted to start the Activity:

- Field Survey and Selection of villages.
- Approach to Sarpanch of Gram Panchayat.
- Explaining and getting permission from the Sarpanch.
- Visit to schools, institutes, and local areas.
- Planning & conducting IEC activities. Awareness programs like putting hoardings in villages to promote awareness on source segregation, door to door visit, various activities to engage villagers on plastic waste management.
- Collection & Storage of plastic waste.
- Transportation and its disposal by recycling of plastic waste.

Introduction of IFFCO:

Indian Farmers Fertiliser Cooperative Limited, known as IFFCO, is the world's largest fertiliser cooperative based in India was registered on November 3, 1967, as a Multi-unit Co-operative Society.

It is a unique venture in which the farmers of the country through their own cooperative societies created this new institution to safeguard their interests.

IFFCO provides its services to more than 5 crore farmers with more than 35000 cooperative societies across the country. IFFCO Over the years have demonstrated its commitment towards socially responsible practices through its initiatives like CORDET, IFFDC that aim at empowering the entire farmer community. IFFCO believes in transforming agriculture through associated agriculture value chain by accelerating transition of food system thus ensuring food security and promoting sustainable agriculture.

IFFCO has five manufacturing Units in India, two units in Uttar Pradesh, two Units in Gujarat and one in Odisha. IFFCO Contributes to around 32.1% of phosphatic and 21.3% of Nitrogenous fertilisers produced in India and was ranked first amongst the top 300 cooperatives in the world (by Turnover on GDP per capita basis) by the World co-operative monitor report. IFFCO has moved to 57th position in the fortune 500 list of companies.

Kalol Unit located at Ahmedabad–Mehsana highway is the oldest unit of IFFCO and was commissioned in the year 1975 to produce 910 MTPD ammonia, based on Natural gas steam reforming process of M.W. Kellog, USA and 1200 MTPD urea plant based on CO2 stripping process of Stamicarbon, Netherlands. In 1997, the capacity of Ammonia and Urea Plants were enhanced to 1100 MTPD and 1650 MTPD respectively. The Kalol Unit has run for 46 years and has been upgrading its technology regularly to match the overall performance of newly built state-of-the-art plants of 21st century. The complex has been certified with Integrated Management System (IMS) consisting of ISO 9001: 2015, ISO 14001: 2015 & ISO 45001: 2018.

Introduction of WMA:

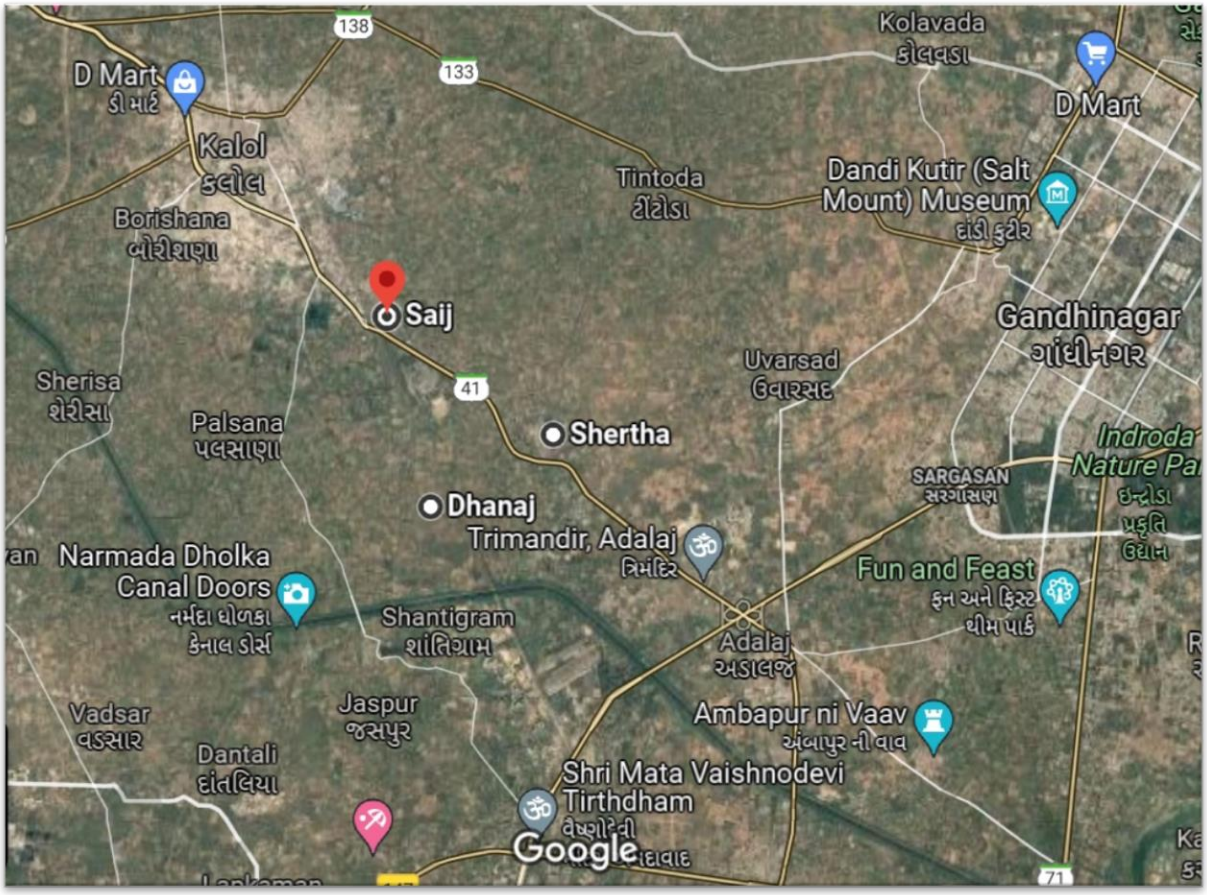
M/s Aztec Recycling Hub Pvt Ltd, GPCB authorized waste recycler, set out its journey in the arena of waste management service in the year 2016, to create a One-Stop Waste Management Solution for large-scale waste generators. M/s Aztec Recycling Hub Pvt Ltd generally, decouples economic activity by consumption of finite resources along with eliminating waste out of the system. It works on principles like preparing out of pollution and waste, keeping products and materials in use, and regenerating natural systems and offers advanced recycling solutions. M/s Aztec Recycling Hub Pvt Ltd is one of the leading waste management companies in the industrial sector of India, and guide companies to reduce, reuse and recycle every single waste like plastic, rubber, glass, paper, and tyres etc. to ensure economic security.

Role of WMA:

- Collection of post-consumers used plastic waste materials by Safai sathis appointed by M/s Aztec Recycling Hub Pvt Ltd from different locations of the villages.
- Along with collection, required training on awareness / guidance was given for segregation of the waste materials.
- MRF facility was developed in the Dantali village. All post-consumer used plastic materials were placed at Dantali village on a daily basis which is located nearby other four villages.
- Such Post-consumer used plastic waste were taken to M/s Aztec Recycling Hub's GPCB authorized plant for recycling after segregation

Details along with google location are mentioned as below: Saij, Dantali, Dhanaj, Shertha, Shertha Para (Opposite Kasturinagar).

Google Location of villages



IEC Activity for effective Implementation of PWM:

Information Education Communication (IEC) by means of the following were used for creating awareness on PWM

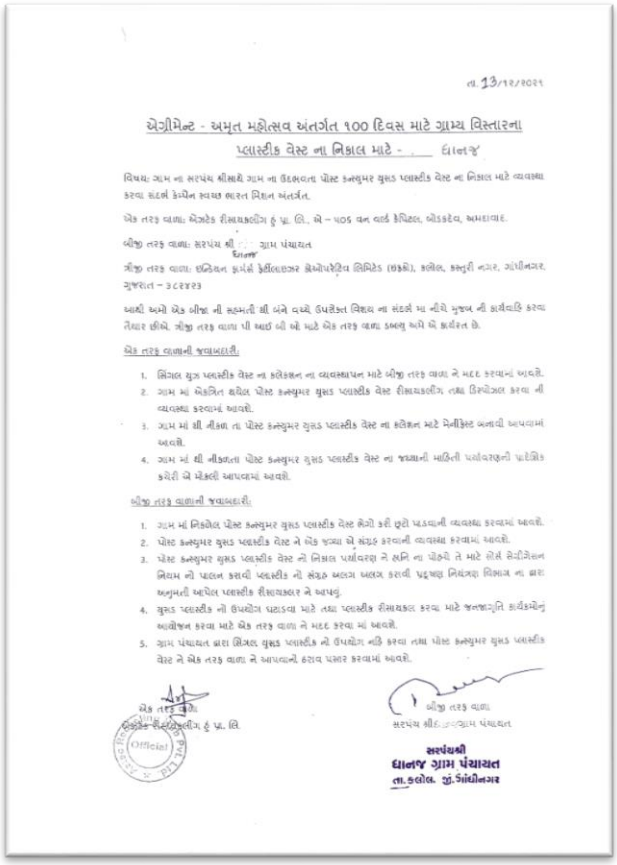
- Process of working with individuals, communities & societies to promote positive behavior that is appropriate to their settings.
- By educating the proper waste management and disposal process.
- By putting hoardings of waste segregation at prime locations of the village.
- Door to door awareness session,
- Public engagement activities
- Organising major event at school for kids of all villages along with all the people connected with the project.

Agenda of IEC activities in Rural areas:

1) Create plastic waste hazards awareness
2) Minimization of Plastic waste by 3R Policy
   i.e., Reuse, Reduce and Recycle
3) Purposefully targeted schools to create a habit of plastic segregation and its minimization by reusing it.
4) Burning of waste is not a sustainable practice.
5) How & why recycling can help as best practice?
6) Change attitude of Children towards waste disposal @ Waste awareness program at Smt. J M G High School, Shertha.
7) Basic awareness on Importance of Management of Plastic Waste for a better tomorrow.

MOU between Grampanchayat, IFFCO Kalol & Aztec Recycling Hub Pvt Ltd:

(MOU of Villages: Dhanaj, Shertha Para, Dantali)



તા. 13/12/2021

એગ્રીમેન્ટ - અમૃત મહોત્સવ અંતર્ગત ૧૦૦ દિવસ માટે ગ્રામ્ય વિસ્તારના પ્લાસ્ટીક વેસ્ટ ના નિકાલ માટે - ધાનજ

વિષય: ગામ ના સરપંચ શ્રીસાથે ગામ ના ઉદભવતા પોસ્ટ કન્સ્યુમર યુસડ પ્લાસ્ટીક વેસ્ટ ના નિકાલ માટે વ્યવસ્થા કરવા સંદર્ભ કેમ્પેન સ્વચ્છ ભારત મિશન અંતર્ગત.

એક તરફ વાળા: એઝટેક રીસાયકલીંગ કું પ્રા. લિ., બે – ૫૦૬ વન વર્લ્ડ કેપિટલ, બોડકદેવ, અમદાવાદ.

બીજી તરફ વાળા: સરપંચ શ્રી [illegible] ગ્રામ પંચાયત

ત્રીજી તરફ વાળા: ઇન્ડિયન ફ્રુમર્સ ફર્ટીલાઇઝર કોઓપરેટીવ લિમિટેડ (ઇફકો), કલોલ, કસ્તુરી નગર, ગાંધીનગર, ગુજરાત – ૩૮૨૪૨૩

આથી અમો એક બીજા ની સહમતી થી અંને વચ્ચે ઉપરોક્ત વિષય ના સંદર્ભ મા નીચે મુજબ ની કાર્યવાહિ કરવા તૈયાર છીએ. ત્રીજી તરફ વાળા પી આઇ બી ઓ માટે એક તરફ વાળા ડબલ્યુ અમે એ કાર્યરત છે.

એક તરફ વાળાની જવાબદારી:

1. સિંગલ યુઝ પ્લાસ્ટીક વેસ્ટ ના કલેક્શન ના વ્યવસ્થાપન માટે બીજી તરફ વાળા ને મદદ કરવામાં આવશે.
2. ગામ માં એકત્રિત થયેલ પોસ્ટ કન્સ્યુમર યુસડ પ્લાસ્ટીક વેસ્ટ રીસાયકલીંગ તથા ડિસ્પોઝલ કરવા ની વ્યવસ્થા કરવામાં આવશે.
3. ગામ માં થી નીકળ તા પોસ્ટ કન્સ્યુમર યુસડ પ્લાસ્ટીક વેસ્ટ ના કલેક્શન માટે મેનીફેસ્ટ બનાવી આપવામાં આવશે.
4. ગામ માં થી નીકળતા પોસ્ટ કન્સ્યુમર યુસડ પ્લાસ્ટીક વેસ્ટ ના જથ્થાની માહિતી પર્યાવરણની પ્રાદેશિક કચેરી એ મોકલી આપવામાં આવશે.

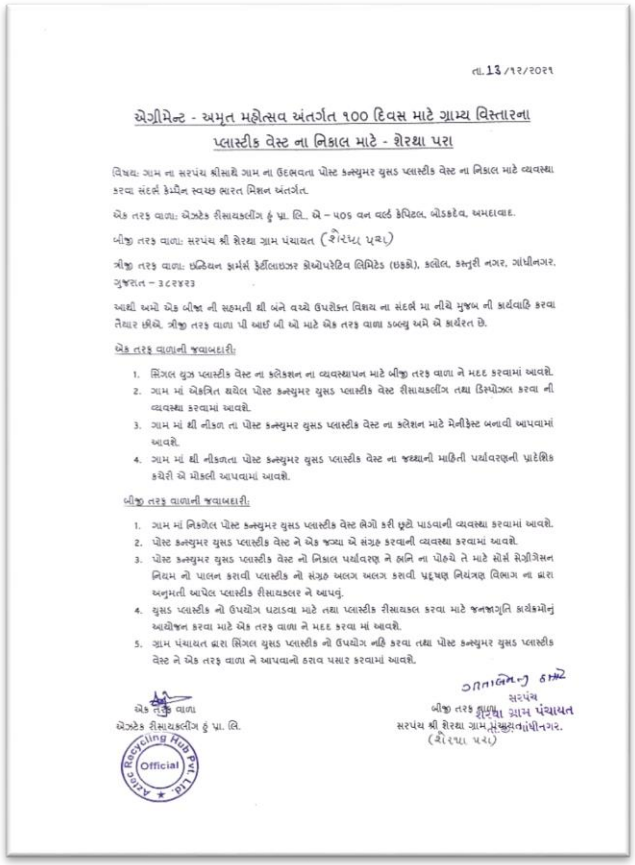
બીજી તરફ વાળાની જવાબદારી:

1. ગામ માં નિકળેલ પોસ્ટ કન્સ્યુમર યુસડ પ્લાસ્ટીક વેસ્ટ ભેગો કરી છુટો પાડવાની વ્યવસ્થા કરવામાં આવશે.
2. પોસ્ટ કન્સ્યુમર યુસડ પ્લાસ્ટીક વેસ્ટ ને એક જગ્યા એ સંગ્રહ કરવાની વ્યવસ્થા કરવામાં આવશે.
3. પોસ્ટ કન્સ્યુમર યુસડ પ્લાસ્ટીક વેસ્ટ નો નિકાલ પર્યાવરણ ને હાનિ ના પોહચે તે માટે સોર્સ સેગ્રીગેશન નિયમ નો પાલન કરવી પ્લાસ્ટીક નો સંગ્રહ અલગ અલગ કરવી પ્રદુષણ નિયંત્રણ વિભાગ ના દ્વારા અનુમતી આપેલ પ્લાસ્ટીક રીસાયકલર ને આપવું.
4. યુસડ પ્લાસ્ટીક નો ઉપયોગ ઘટાડવા માટે તથા પ્લાસ્ટીક રીસાયકલ કરવા માટે જનજાગૃતિ કાર્યક્રમોનું આયોજન કરવા માટે એક તરફ વાળા ને મદદ કરવા માં આવશે.
5. ગ્રામ પંચાયત દ્વારા સિંગલ યુસડ પ્લાસ્ટીક નો ઉપયોગ નહિ કરવા તથા પોસ્ટ કન્સ્યુમર યુસડ પ્લાસ્ટીક વેસ્ટ ને એક તરફ વાળા ને આપવાનો ઠરાવ પસાર કરવામાં આવશે.

એક તરફ વાળા
એઝટેક રીસાયકલીંગ કું પ્રા. લિ.

બીજી તરફ વાળા
સરપંચ શ્રી[illegible] ગ્રામ પંચાયત

સરપંચશ્રી
ધાનજ ગ્રામ પંચાયત
તા.કલોલ. જી.ગાંધીનગર



તા. 13/12/2021

એગ્રીમેન્ટ - અમૃત મહોત્સવ અંતર્ગત ૧૦૦ દિવસ માટે ગ્રામ્ય વિસ્તારના પ્લાસ્ટીક વેસ્ટ ના નિકાલ માટે - શેરથા પરા

વિષય: ગામ ના સરપંચ શ્રીસાથે ગામ ના ઉદભવતા પોસ્ટ કન્સ્યુમર યુસડ પ્લાસ્ટીક વેસ્ટ ના નિકાલ માટે વ્યવસ્થા કરવા સંદર્ભ કેમ્પેન સ્વચ્છ ભારત મિશન અંતર્ગત.

એક તરફ વાળા: એઝટેક રીસાયકલીંગ કું પ્રા. લિ., બે – ૫૦૬ વન વર્લ્ડ કેપિટલ, બોડકદેવ, અમદાવાદ.

બીજી તરફ વાળા: સરપંચ શ્રી શેરથા ગ્રામ પંચાયત (શેરથા પરા)

ત્રીજી તરફ વાળા: ઇન્ડિયન ફ્રુમર્સ ફર્ટીલાઇઝર કોઓપરેટીવ લિમિટેડ (ઇફકો), કલોલ, કસ્તુરી નગર, ગાંધીનગર, ગુજરાત – ૩૮૨૪૨૩

આથી અમો એક બીજા ની સહમતી થી અંને વચ્ચે ઉપરોક્ત વિષય ના સંદર્ભ મા નીચે મુજબ ની કાર્યવાહિ કરવા તૈયાર છીએ. ત્રીજી તરફ વાળા પી આઇ બી ઓ માટે એક તરફ વાળા ડબલ્યુ અમે એ કાર્યરત છે.

એક તરફ વાળાની જવાબદારી:

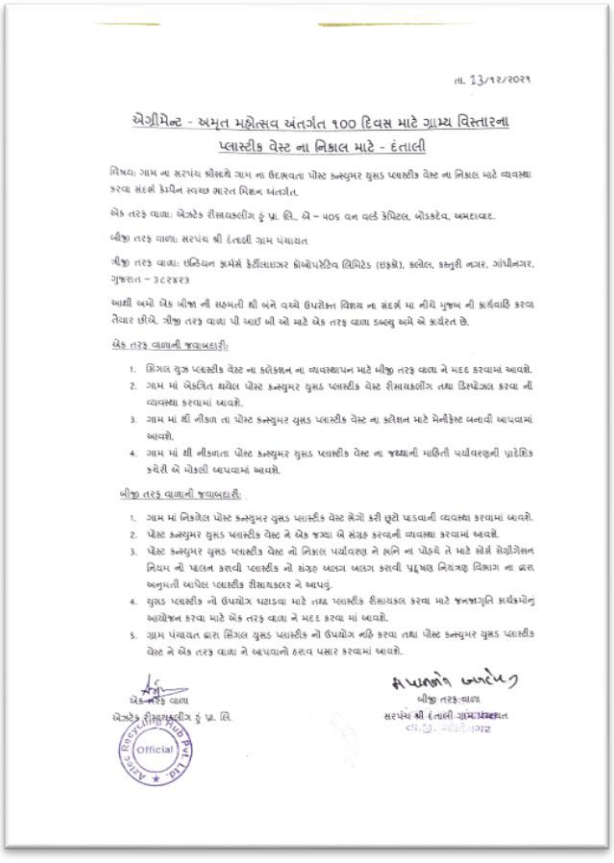
1. સિંગલ યુઝ પ્લાસ્ટીક વેસ્ટ ના કલેક્શન ના વ્યવસ્થાપન માટે બીજી તરફ વાળા ને મદદ કરવામાં આવશે.
2. ગામ માં એકત્રિત થયેલ પોસ્ટ કન્સ્યુમર યુસડ પ્લાસ્ટીક વેસ્ટ રીસાયકલીંગ તથા ડિસ્પોઝલ કરવા ની વ્યવસ્થા કરવામાં આવશે.
3. ગામ માં થી નીકળ તા પોસ્ટ કન્સ્યુમર યુસડ પ્લાસ્ટીક વેસ્ટ ના કલેક્શન માટે મેનીફેસ્ટ બનાવી આપવામાં આવશે.
4. ગામ માં થી નીકળતા પોસ્ટ કન્સ્યુમર યુસડ પ્લાસ્ટીક વેસ્ટ ના જથ્થાની માહિતી પર્યાવરણની પ્રાદેશિક કચેરી એ મોકલી આપવામાં આવશે.

બીજી તરફ વાળાની જવાબદારી:

1. ગામ માં નિકળેલ પોસ્ટ કન્સ્યુમર યુસડ પ્લાસ્ટીક વેસ્ટ ભેગો કરી છુટો પાડવાની વ્યવસ્થા કરવામાં આવશે.
2. પોસ્ટ કન્સ્યુમર યુસડ પ્લાસ્ટીક વેસ્ટ ને એક જગ્યા એ સંગ્રહ કરવાની વ્યવસ્થા કરવામાં આવશે.
3. પોસ્ટ કન્સ્યુમર યુસડ પ્લાસ્ટીક વેસ્ટ નો નિકાલ પર્યાવરણ ને હાનિ ના પોહચે તે માટે સોર્સ સેગ્રીગેશન નિયમ નો પાલન કરવી પ્લાસ્ટીક નો સંગ્રહ અલગ અલગ કરવી પ્રદુષણ નિયંત્રણ વિભાગ ના દ્વારા અનુમતી આપેલ પ્લાસ્ટીક રીસાયકલર ને આપવું.
4. યુસડ પ્લાસ્ટીક નો ઉપયોગ ઘટાડવા માટે તથા પ્લાસ્ટીક રીસાયકલ કરવા માટે જનજાગૃતિ કાર્યક્રમોનું આયોજન કરવા માટે એક તરફ વાળા ને મદદ કરવા માં આવશે.
5. ગ્રામ પંચાયત દ્વારા સિંગલ યુસડ પ્લાસ્ટીક નો ઉપયોગ નહિ કરવા તથા પોસ્ટ કન્સ્યુમર યુસડ પ્લાસ્ટીક વેસ્ટ ને એક તરફ વાળા ને આપવાનો ઠરાવ પસાર કરવામાં આવશે.

એક તરફ વાળા
એઝટેક રીસાયકલીંગ કું પ્રા. લિ.

બીજી તરફ વાળા
સરપંચ શ્રી શેરથા ગ્રામ પંચાયત
(શેરથા પરા)



તા. 13/12/2021

એગ્રીમેન્ટ - અમૃત મહોત્સવ અંતર્ગત ૧૦૦ દિવસ માટે ગ્રામ્ય વિસ્તારના પ્લાસ્ટીક વેસ્ટ ના નિકાલ માટે - દંતાલી

વિષય: ગામ ના સરપંચ શ્રીસાથે ગામ ના ઉદભવતા પોસ્ટ કન્સ્યુમર યુસડ પ્લાસ્ટીક વેસ્ટ ના નિકાલ માટે વ્યવસ્થા કરવા સંદર્ભ કેમ્પેન સ્વચ્છ ભારત મિશન અંતર્ગત.

એક તરફ વાળા: એઝટેક રીસાયકલીંગ કું પ્રા. લિ., બે – ૫૦૬ વન વર્લ્ડ કેપિટલ, બોડકદેવ, અમદાવાદ.

બીજી તરફ વાળા: સરપંચ શ્રી દંતાલી ગ્રામ પંચાયત

ત્રીજી તરફ વાળા: ઇન્ડિયન ફ્રુમર્સ ફર્ટીલાઇઝર કોઓપરેટીવ લિમિટેડ (ઇફકો), કલોલ, કસ્તુરી નગર, ગાંધીનગર, ગુજરાત – ૩૮૨૪૨૩

આથી અમો એક બીજા ની સહમતી થી અંને વચ્ચે ઉપરોક્ત વિષય ના સંદર્ભ મા નીચે મુજબ ની કાર્યવાહિ કરવા તૈયાર છીએ. ત્રીજી તરફ વાળા પી આઇ બી ઓ માટે એક તરફ વાળા ડબલ્યુ અમે એ કાર્યરત છે.

એક તરફ વાળાની જવાબદારી:

1. સિંગલ યુઝ પ્લાસ્ટીક વેસ્ટ ના કલેક્શન ના વ્યવસ્થાપન માટે બીજી તરફ વાળા ને મદદ કરવામાં આવશે.
2. ગામ માં એકત્રિત થયેલ પોસ્ટ કન્સ્યુમર યુસડ પ્લાસ્ટીક વેસ્ટ રીસાયકલીંગ તથા ડિસ્પોઝલ કરવા ની વ્યવસ્થા કરવામાં આવશે.
3. ગામ માં થી નીકળ તા પોસ્ટ કન્સ્યુમર યુસડ પ્લાસ્ટીક વેસ્ટ ના કલેક્શન માટે મેનીફેસ્ટ બનાવી આપવામાં આવશે.
4. ગામ માં થી નીકળતા પોસ્ટ કન્સ્યુમર યુસડ પ્લાસ્ટીક વેસ્ટ ના જથ્થાની માહિતી પર્યાવરણની પ્રાદેશિક કચેરી એ મોકલી આપવામાં આવશે.

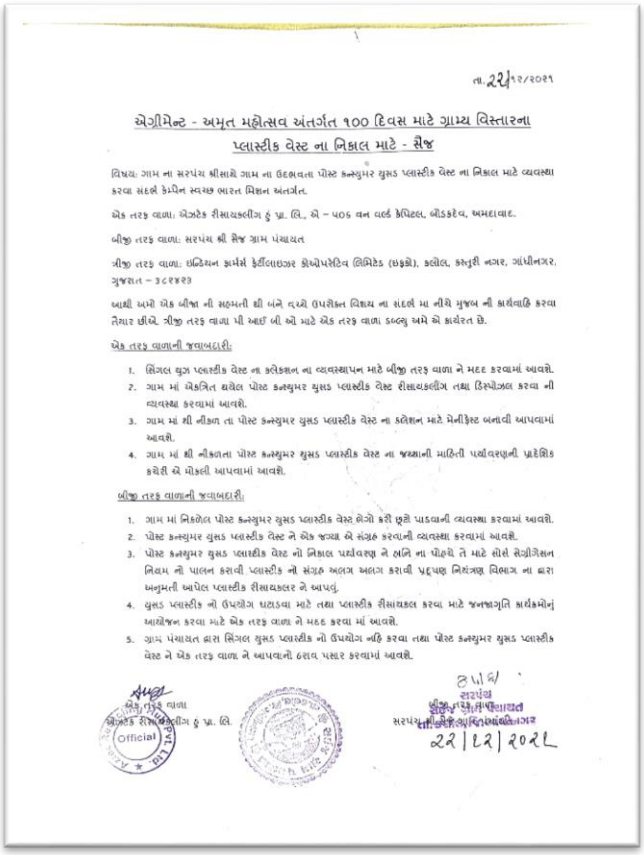
બીજી તરફ વાળાની જવાબદારી:

1. ગામ માં નિકળેલ પોસ્ટ કન્સ્યુમર યુસડ પ્લાસ્ટીક વેસ્ટ ભેગો કરી છુટો પાડવાની વ્યવસ્થા કરવામાં આવશે.
2. પોસ્ટ કન્સ્યુમર યુસડ પ્લાસ્ટીક વેસ્ટ ને એક જગ્યા એ સંગ્રહ કરવાની વ્યવસ્થા કરવામાં આવશે.
3. પોસ્ટ કન્સ્યુમર યુસડ પ્લાસ્ટીક વેસ્ટ નો નિકાલ પર્યાવરણ ને હાનિ ના પોહચે તે માટે સોર્સ સેગ્રીગેશન નિયમ નો પાલન કરવી પ્લાસ્ટીક નો સંગ્રહ અલગ અલગ કરવી પ્રદુષણ નિયંત્રણ વિભાગ ના દ્વારા અનુમતી આપેલ પ્લાસ્ટીક રીસાયકલર ને આપવું.
4. યુસડ પ્લાસ્ટીક નો ઉપયોગ ઘટાડવા માટે તથા પ્લાસ્ટીક રીસાયકલ કરવા માટે જનજાગૃતિ કાર્યક્રમોનું આયોજન કરવા માટે એક તરફ વાળા ને મદદ કરવા માં આવશે.
5. ગ્રામ પંચાયત દ્વારા સિંગલ યુસડ પ્લાસ્ટીક નો ઉપયોગ નહિ કરવા તથા પોસ્ટ કન્સ્યુમર યુસડ પ્લાસ્ટીક વેસ્ટ ને એક તરફ વાળા ને આપવાનો ઠરાવ પસાર કરવામાં આવશે.

એક તરફ વાળા
એઝટેક રીસાયકલીંગ કું પ્રા. લિ.

બીજી તરફ વાળા
સરપંચ શ્રી દંતાલી ગ્રામ પંચાયત

(MOU of Village: Saij & Shertha)



તા.22/12/2021

એગ્રીમેન્ટ - અમૃત મહોત્સવ અંતર્ગત ૧૦૦ દિવસ માટે ગ્રામ્ય વિસ્તારના પ્લાસ્ટીક વેસ્ટ ના નિકાલ માટે - સૈજ

વિષય: ગામ ના સરપંચ શ્રીસાથે ગામ ના ઉદભવતા પોસ્ટ કન્યુમર યુસડ પ્લાસ્ટીક વેસ્ટ ના નિકાલ માટે વ્યવસ્થા કરવા સંદર્ભે કેમ્પેન સ્વચ્છ ભારત મિશન અંતર્ગત.

એક તરફ વાળા: એજટેક રીસાયકલીંગ ફુ પ્રા. લિ., એ – ૫૦૬ વન વર્લ્ડ કેપિટલ, બોડકદેવ, અમદાવાદ.

બીજી તરફ વાળા: સરપંચ શ્રી સૈજ ગ્રામ પંચાયત

ત્રીજી તરફ વાળા: ઇન્ડિયન ફાર્મર્સ ફર્ટીલાઇઝર કોઓપરેટિવ લિમિટેડ (ઇફકો), કલોલ, કસ્તુરી નગર, ગાંધીનગર, ગુજરાત – ૩૮૨૪૨૩

આથી અમો એક બીજા ની સહમતી થી બંને વચ્ચે ઉપરોક્ત વિષય ના સંદર્ભ મા નીચે મુજબ ની કાર્યવાહિ કરવા તૈયાર છીએ. ત્રીજી તરફ વાળા પી આઈ બી ઓ માટે એક તરફ વાળા ડબ્લ્યુ અમે એ કાર્યરત છે.

એક તરફ વાળાની જવાબદારી:

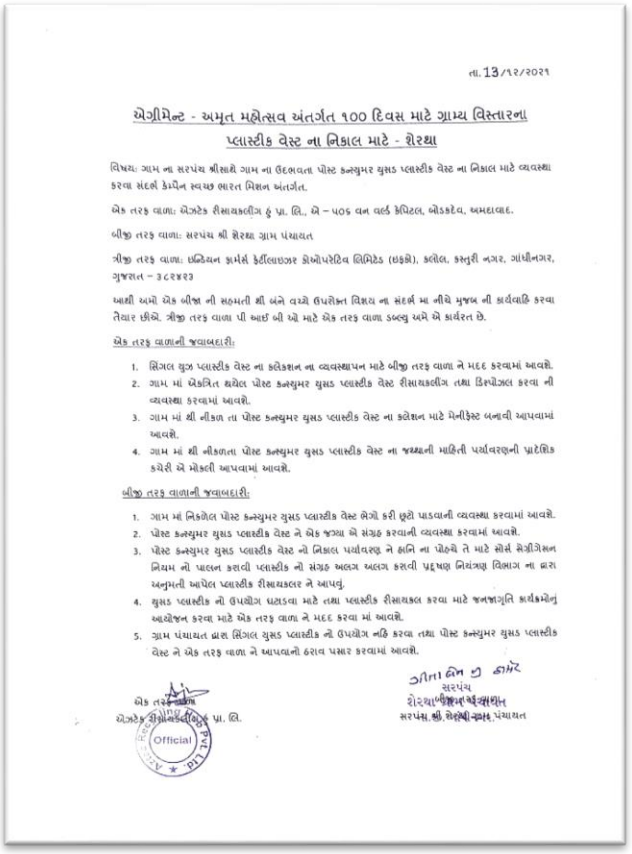
1. સિંગલ યુઝ પ્લાસ્ટીક વેસ્ટ ના કલેકશન ના વ્યવસ્થાપન માટે બીજી તરફ વાળા ને મદદ કરવામાં આવશે.
2. ગામ માં એકત્રિત થયેલ પોસ્ટ કન્યુમર યુસડ પ્લાસ્ટીક વેસ્ટ રીસાયકલીંગ તથા ડિસ્પોઝલ કરવા ની વ્યવસ્થા કરવામાં આવશે.
3. ગામ માં થી નીકળ તા પોસ્ટ કન્યુમર યુસડ પ્લાસ્ટીક વેસ્ટ ના કલેશન માટે મેનીફેસ્ટ બનાવી આપવામાં આવશે.
4. ગામ માં થી નીકળતા પોસ્ટ કન્યુમર યુસડ પ્લાસ્ટીક વેસ્ટ ના જથ્થાની માહિતી પર્યાવરણની પ્રાદેશિક કચેરી એ મોકલી આપવામાં આવશે.

બીજી તરફ વાળાની જવાબદારી:

1. ગામ માં નિકળેલ પોસ્ટ કન્યુમર યુસડ પ્લાસ્ટીક વેસ્ટ ભેગો કરી છુટો પાડવાની વ્યવસ્થા કરવામાં આવશે.
2. પોસ્ટ કન્યુમર યુસડ પ્લાસ્ટીક વેસ્ટ ને એક જગ્યા એ સંગ્રહ કરવાની વ્યવસ્થા કરવામાં આવશે.
3. પોસ્ટ કન્યુમર યુસડ પ્લાસ્ટીક વેસ્ટ નો નિકાલ પર્યાવરણ ને હાનિ ના પોહચે તે માટે સોસે સેગ્રીગેશન નિયમ નો પાલન કરાવી પ્લાસ્ટીક નો સંગ્રહ અલગ અલગ કરાવી પ્રદુષણ નિયંત્રણ વિભાગ ના દ્વારા અનુમતી આપેલ પ્લાસ્ટીક રીસાયકલર ને આપવું.
4. યુસડ પ્લાસ્ટીક નો ઉપયોગ ઘટાડવા માટે તથા પ્લાસ્ટીક રીસાયકલ કરવા માટે જનજાગૃતિ કાર્યક્રમોનું આયોજન કરવા માટે એક તરફ વાળા ને મદદ કરવા માં આવશે.
5. ગ્રામ પંચાયત દ્વારા સિંગલ યુસડ પ્લાસ્ટીક નો ઉપયોગ નહિ કરવા તથા પોસ્ટ કન્યુમર યુસડ પ્લાસ્ટીક વેસ્ટ ને એક તરફ વાળા ને આપવાનો ઠરાવ પસાર કરવામાં આવશે.

એક તરફ વાળા
એજટેક રીસાયકલીંગ ફુ પ્રા. લિ.

સરપંચ
સૈજ ગ્રામ પંચાયત
સરપંચ શ્રી સૈજ ગ્રામ પંચાયત
22/12/2021



તા.13/12/2021

એગ્રીમેન્ટ - અમૃત મહોત્સવ અંતર્ગત ૧૦૦ દિવસ માટે ગ્રામ્ય વિસ્તારના પ્લાસ્ટીક વેસ્ટ ના નિકાલ માટે - શેરથા

વિષય: ગામ ના સરપંચ શ્રીસાથે ગામ ના ઉદભવતા પોસ્ટ કન્યુમર યુસડ પ્લાસ્ટીક વેસ્ટ ના નિકાલ માટે વ્યવસ્થા કરવા સંદર્ભે કેમ્પેન સ્વચ્છ ભારત મિશન અંતર્ગત.

એક તરફ વાળા: એજટેક રીસાયકલીંગ ફુ પ્રા. લિ., એ – ૫૦૬ વન વર્લ્ડ કેપિટલ, બોડકદેવ, અમદાવાદ.

બીજી તરફ વાળા: સરપંચ શ્રી શેરથા ગ્રામ પંચાયત

ત્રીજી તરફ વાળા: ઇન્ડિયન ફાર્મર્સ ફર્ટીલાઇઝર કોઓપરેટિવ લિમિટેડ (ઇફકો), કલોલ, કસ્તુરી નગર, ગાંધીનગર, ગુજરાત – ૩૮૨૪૨૩

આથી અમો એક બીજા ની સહમતી થી બંને વચ્ચે ઉપરોક્ત વિષય ના સંદર્ભ મા નીચે મુજબ ની કાર્યવાહિ કરવા તૈયાર છીએ. ત્રીજી તરફ વાળા પી આઈ બી ઓ માટે એક તરફ વાળા ડબ્લ્યુ અમે એ કાર્યરત છે.

એક તરફ વાળાની જવાબદારી:

1. સિંગલ યુઝ પ્લાસ્ટીક વેસ્ટ ના કલેકશન ના વ્યવસ્થાપન માટે બીજી તરફ વાળા ને મદદ કરવામાં આવશે.
2. ગામ માં એકત્રિત થયેલ પોસ્ટ કન્યુમર યુસડ પ્લાસ્ટીક વેસ્ટ રીસાયકલીંગ તથા ડિસ્પોઝલ કરવા ની વ્યવસ્થા કરવામાં આવશે.
3. ગામ માં થી નીકળ તા પોસ્ટ કન્યુમર યુસડ પ્લાસ્ટીક વેસ્ટ ના કલેશન માટે મેનીફેસ્ટ બનાવી આપવામાં આવશે.
4. ગામ માં થી નીકળતા પોસ્ટ કન્યુમર યુસડ પ્લાસ્ટીક વેસ્ટ ના જથ્થાની માહિતી પર્યાવરણની પ્રાદેશિક કચેરી એ મોકલી આપવામાં આવશે.

બીજી તરફ વાળાની જવાબદારી:

1. ગામ માં નિકળેલ પોસ્ટ કન્યુમર યુસડ પ્લાસ્ટીક વેસ્ટ ભેગો કરી છુટો પાડવાની વ્યવસ્થા કરવામાં આવશે.
2. પોસ્ટ કન્યુમર યુસડ પ્લાસ્ટીક વેસ્ટ ને એક જગ્યા એ સંગ્રહ કરવાની વ્યવસ્થા કરવામાં આવશે.
3. પોસ્ટ કન્યુમર યુસડ પ્લાસ્ટીક વેસ્ટ નો નિકાલ પર્યાવરણ ને હાનિ ના પોહચે તે માટે સોસે સેગ્રીગેશન નિયમ નો પાલન કરાવી પ્લાસ્ટીક નો સંગ્રહ અલગ અલગ કરાવી પ્રદુષણ નિયંત્રણ વિભાગ ના દ્વારા અનુમતી આપેલ પ્લાસ્ટીક રીસાયકલર ને આપવું.
4. યુસડ પ્લાસ્ટીક નો ઉપયોગ ઘટાડવા માટે તથા પ્લાસ્ટીક રીસાયકલ કરવા માટે જનજાગૃતિ કાર્યક્રમોનું આયોજન કરવા માટે એક તરફ વાળા ને મદદ કરવા માં આવશે.
5. ગ્રામ પંચાયત દ્વારા સિંગલ યુસડ પ્લાસ્ટીક નો ઉપયોગ નહિ કરવા તથા પોસ્ટ કન્યુમર યુસડ પ્લાસ્ટીક વેસ્ટ ને એક તરફ વાળા ને આપવાનો ઠરાવ પસાર કરવામાં આવશે.

એક તરફ વાળા
એજટેક રીસાયકલીંગ ફુ પ્રા. લિ.

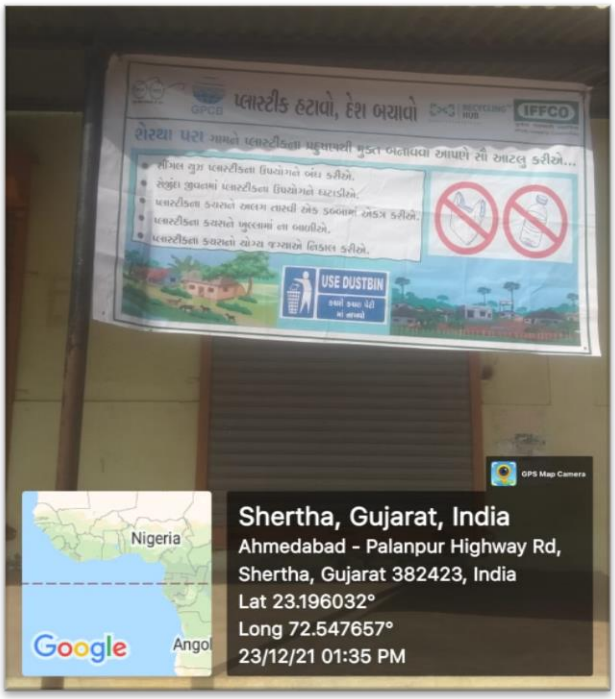
સરપંચ
શેરથા ગ્રામ પંચાયત
સરપંચ શ્રી શેરથા ગ્રામ પંચાયત

Banners for creating awareness:









Banners for creating awareness:





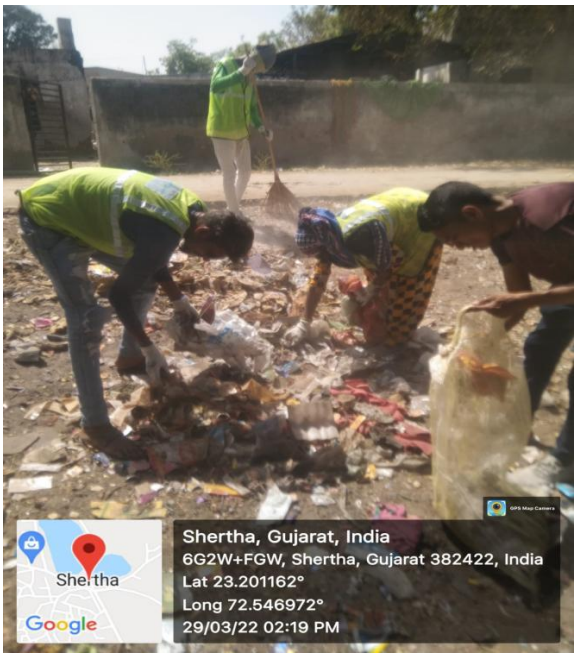




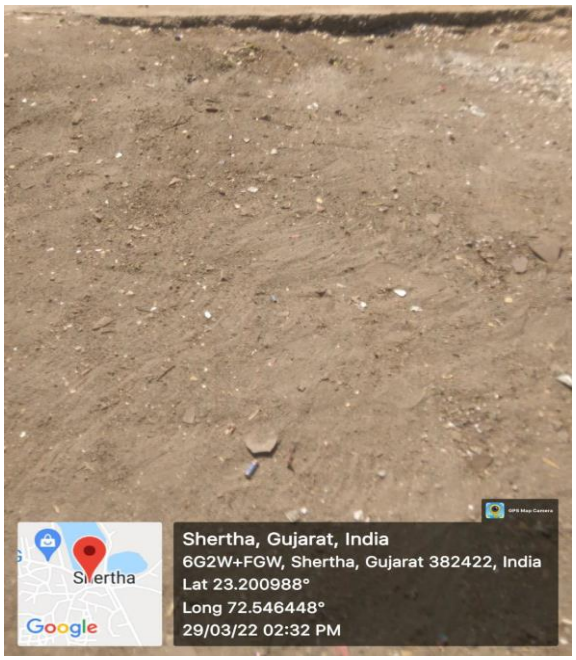
Photographs showing Plastic Waste Collection Activity:

Shertha Village:

Before:



After:



Dantali Village:

Before:



After:



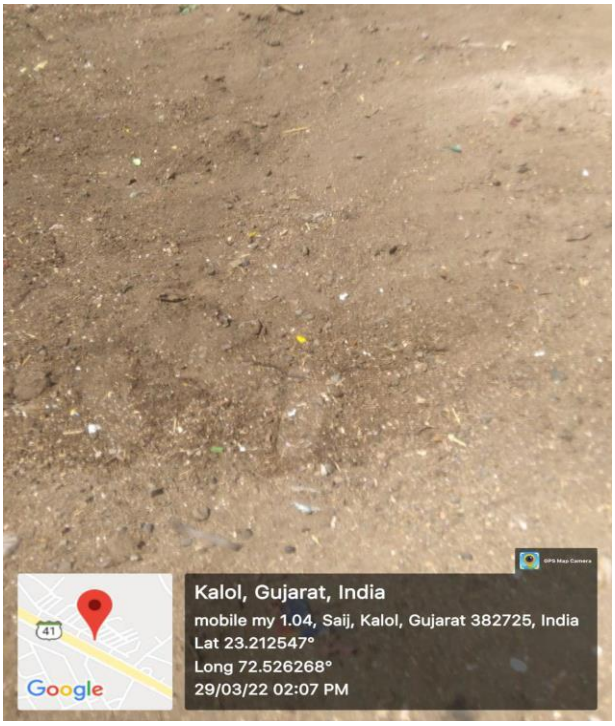
Photographs showing Plastic Waste Collection Activity:

Saij Village:

Before:



After:

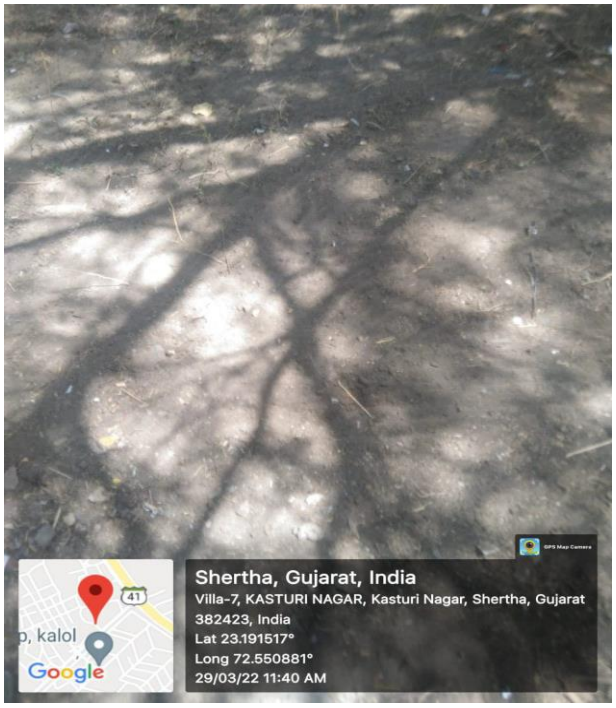


Shertha Para Village:

Before:



After:



Photographs of showing Plastic Waste Collection Activity:

Dhanaj Village:

Before:



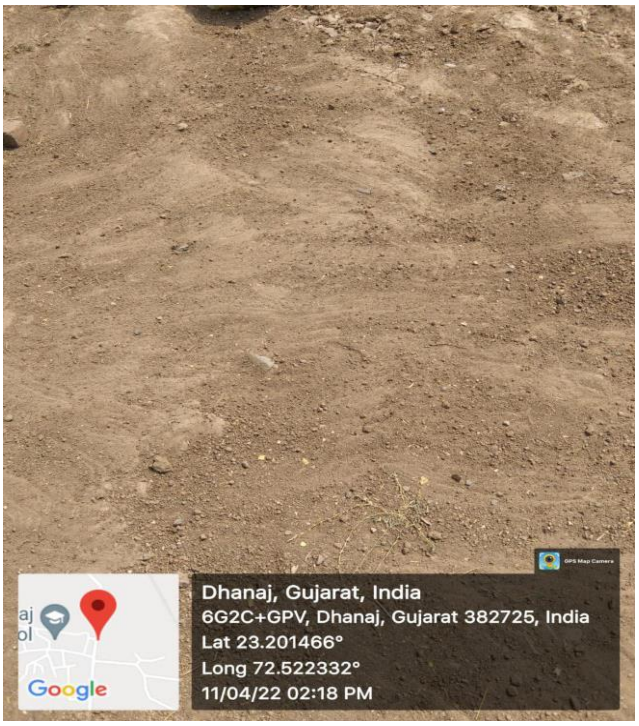
After:



Before:



After:



Pamphlets Distribution to create Awareness on Wet & Dry Wastes:

Shertha:





Dhanaj:





Saij Village:





Shertha Para:





Dantali:





As a part of this campaign, Public Engagement Activity program was conducted on 25.2.2022 at J.M.J School, Shertha village in which Officials from IFFCO, GPCB , United Nations Environment Program , Sarpanch and residents of those villages and team from recycling agency took part in the event

Event Organised at at Smt. J.M.G High School, Shertha:

(Some of the glimpses)

Inauguration of Event

Starting with holy worship of Goddess Saraswati.





Drawing Competition on “Beat Plastic Pollution” among of Children from those five villages:





Prizes & Trophies for Winners of Competition:





Drawing Kits Distribution to students during the event:





Plastic Lao - Thela & Pencil Box Pao:





Appreciating The Dignitaries:





Interactive session and address to audience:





PLEDGE TO REDUCE, REUSE & RECYCLE:









Plastic Waste Collection

Post-consumed waste generated in the selected villages have been collected and stored at the MRF facility developed at Dantali Village. Segregation of the wastes was also conducted, and then was further transported to WMA M/s Aztec Recycling Hub Pvt Ltd for the further recycling process in compliance with GPCB Norms

Details of Plastic Waste Collection in 5 villages (in kgs)

Month	Dantali	Dhanaj	Saij	Shertha	Shertha Para	Total in kgs
Dec 2021	80	87	85	76	77	**405**
Jan 2022	136.7	107.2	119.1	112.5	128.5	**604**
Feb 2022	143.1	139.1	139	173.25	151.2	**745.65**
Mar 2022	214.4	212.06	205.1	225.64	219.7	**1076.9**
Apr 2022	89.8	92	85	79.3	85.3	**431.4**
Total in kgs	**664**	**637.36**	**633.2**	**666.69**	**661.7**	**3262.95**

Management of IFFCO-Kalol Unit is grateful to GPCB, Govt of Gujarat and GOI and to all those who are directly and indirectly involved in this initiative. They all have given an opportunity to contribute to this Noble cause. IFFCO shall continue to be part of such grand projects / initiative for the benefits of citizens of Gujarat as well as India

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RECYCLING™ HUB
Compliance & Service

ANNEXURE XV B

STEPS TOWARDS BAN ON SINGLE USE PLASTIC

AT IFFCO KALOL

ANNEXURES

इंडियन फारमर्स फर्टिलाइजर कोआपरेटिव लिमिटेड
कलोल इकाई

परिपत्र

कलोल/(कार्मिक एवं प्रशासन)/2024 दिनांकः13/09/2024

विषयः इफको कलोल संयंत्र एव टाउनशिप को प्लास्टिक मुक्त और स्वच्छ बनाने की अपील।

हर वर्ष की भांति इस वर्ष भी इफको कलोल संयंत्र एवं कस्तूरीनगर परिसर मे स्वच्छता पखवाड़ा के अवसर पर स्वच्छता के प्रति जागरूक बनाने के लिए विविध कार्यक्रमों का आयोजन किया गया। कस्तूरीनगर वासियों को सिंगल यूज प्लास्टिक के उपयोग को तत्काल प्रभाव से बंद करने का अनुरोध किया गया है। सभी निवासियों से निवेदन किया गया है की वे सिंगल यूज प्लास्टिक का प्रयोग बाज़ार से समान ले आने के लिए नहीं करेंगे तथा इसकी जगह पर पर्यावरण के अनुकूल कपड़े के बैग का प्रयोग करेंगे। इसी को ध्यान रखते हुये प्रबंधन ने कस्तूरीनगर शॉपिंग सेंटर में कपड़े के बैग की स्वचालित मशीन उपलब्ध कराई है।

सभी कस्तूरीनगर वासियों से अनुरोध है कि वे इस कपड़े के बैग की स्वचालित मशीन का उपयोग अपनी आवश्यकता के अनुसार करे । आप सभी लोगो के पहल से ही हम एक स्वच्छ टाउनशिप, स्वच्छ शहर, स्वच्छ राज्य एव एक स्वच्छ देश बनाने में अपना सहयोग कर सकते हैं।

इसके लिए आप सभी का सहयोग अपेक्षित है ।

राजेश 13/09/24

(राजेश सिंह सिसोदिया)
उप महाप्रबन्धक(कार्मिक एवं प्रशासन)

वितरणः

महाप्रबंधक (तकनीकी)/ सभी संयुक्त महाप्रबंधक/सभी विभागाध्यक्ष/ अनुभागाध्यक्ष/ अध्यक्ष एवं महामंत्री- आई.के.एस एवं आई.ओ.ए / समस्त कस्तूरीनगरवासी/ -कलोल यूजर्स के माध्यम द्वारा ।

प्रतिलिपिः महाप्रबंधक (इकाई प्रमुख) - सादर सूचनार्थ प्रेषित।

CLOTH VENDING MACHINE AT SHOPPING CENTER – KASTURINAGAR (IFFCO KALOL TOWNSHIP)





ANNEXURE XV C

REPORT ON

ENVIRONMENT WEEK CELEBRATION

AT IFFCO KALOL

ANNEXURES

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ENVIRONMENT & POLLUTION CONTROL DEPARTMENT

IFFCO-KALOL UNIT

WORLD ENVIRONMENT WEEK REPORT - 2026

5th June 2026 – 12th June 2026

"Inspired by Nature. For Climate. For Our Future."

#NowForClimate | WORLD ENVIRONMENT DAY | UN environment programme

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About the Celebration

Under the leadership of Shri P. K. Singh, Senior General Manager, Kalol Unit, World Environment Week 2026 was observed with great enthusiasm and active participation at IFFCO Kalol. The observance of World Environment Week has become an annual tradition at the unit, reflecting IFFCO's continued commitment to environmental stewardship and sustainable development. The primary objective of the celebration is to enhance environmental awareness and encourage collective responsibility towards the protection and conservation of natural resources.

The theme for World Environment Day 2026 was **"Inspired by Nature. For Climate. For Our Future,"** emphasising the need for individuals, communities, industries, and governments to adopt sustainable practices, reduce environmental impact, and contribute towards building a climate-resilient future.

In alignment with this theme, World Environment Week was celebrated at IFFCO Kalol from 5th to 12th June 2026. A series of awareness programs, environmental activities, and employee-engagement initiatives were organised throughout the week to promote sustainability, strengthen environmental consciousness, and encourage active participation in environmental protection efforts across the Township, the Plant, and neighbouring communities.

Programme at a Glance

The following programmes were organised as part of World Environment Week 2026. Employees, trainees, contract workmen and township residents participated with great enthusiasm in each activity, extending their wholehearted support towards promoting environmental awareness and a sustainable future.

Date	Programme	Time	Venue	Participation
05/06/2026 (Friday)	Save Environment Bus Drive - Township to Plant	07:50 Hrs	IFFCO Township	Employees from Township
05/06/2026 (Friday)	Pledge-taking Ceremony administered by Unit Head	08:10 Hrs	Near Time Office	All Employees & Trainees
05/06/2026 (Friday)	Tree Plantation by Prerna Ladies Club	09:30 Hrs	Near Temple, Township	Ladies Club Members
05/06/2026 (Friday)	Tree Plantation by IFFCO Karmachari Sangh (IKS)	11:00 Hrs	Near Union Office	IKS Members
05/06/2026 (Friday)	Cloth Bag Distribution to Shopkeepers	12:00 Hrs	Kasturinagar Shopping Centre	Township Shopkeepers
06/06/2026 (Saturday)	Tree Plantation at Nano Fertiliser Plant	09:00 Hrs	Nano Fertiliser Plant	Plant Employees
07/06/2026 (Sunday)	Drawing Competition for Dependent Children	09:30–10:30 Hrs	Township School	Four age-group categories
08/06/2026 (Monday)	Tree Plantation at Township with Senior Citizens	09:00 Hrs	IFFCO Township	Senior Citizens of Township
08/06/2026 (Monday)	Slogan Competition (Theme: Sustainable Ways for a Better Future)	—	—	All Employees & Trainees
09/06/2026 (Tuesday)	Tree Plantation by IFFCO Officer Association (IOA)	09:00 Hrs	IFFCO Kalol	IOA Members
09/06/2026 (Tuesday)	Tree Plantation & Awareness Programme	10:00 Hrs	Swarnim Startup & Innovation University, Bhoyan Rathod Village	University Students & Staff
11/06/2026 (Thursday)	Tree Plantation & Environment Awareness Programme	11:00 Hrs	Primary School, Tintoda Village	School Children & Staff
11/06/2026 (Thursday)	Environment Awareness on Water Management	11:00 Hrs	M. P. Hall, Township	Kasturinagar Residents
12/06/2026 (Friday)	Concluding Ceremony & Prize Distribution	15:30 Hrs	Training Centre	All Employees, Trainees & Winners

Save Environment Bus Drive

5th June 2026 | IFFCO Township to Plant

As part of World Environment Week 2026, a “Save Environment Bus Drive” was organised from Kasturinagar, IFFCO Township, to the IFFCO Plant to promote the concept of collective mobility and sustainable transportation. Employees were encouraged to travel together in company buses instead of using individual vehicles.

The initiative highlighted IFFCO's commitment to reducing carbon emissions, minimising traffic congestion, and conserving fuel through shared transportation. The enthusiastic participation of employees demonstrated their support for environmentally responsible practices and reinforced the message that small collective actions can contribute significantly to environmental protection.

The drive successfully conveyed the theme: “From Individual Vehicles to Collective Mobility - Less Congestion, Lower Emissions, Better Mobility.”









Pledge taking Ceremony

5th June 2026 | Near Time Office

A pledge taking ceremony, administered by the Unit Head, was organised near the Time Office on 5th June 2026. Employees and trainees collectively took a pledge to work individually and collectively — at family and unit level — towards sustained efforts for environmental protection, and to contribute to tree conservation and plantation for the benefit of future generations.









Tree Plantation by Prerna Ladies Club

5th June 2026 | Temple, IFFCO Township

On the occasion of World Environment Day, the members of the Prerna Ladies Club, IFFCO Township, organised a tree plantation drive at the Temple premises within the Township, reaffirming the community's shared commitment to a greener and more sustainable living environment.

The initiative witnessed enthusiastic participation from women across the IFFCO Township, along with workers, reflecting a collective spirit of environmental responsibility. Saplings were planted at designated locations to enhance the Township's green cover and promote biodiversity.

As part of the celebration, saplings were also distributed to participants, encouraging them to plant and nurture trees in their surroundings. The activity served as a meaningful reminder that every individual can contribute towards building a cleaner, greener, and more sustainable future.









Tree Plantation by IFFCO Karmachari Sangh (IKS)

5th June 2026 | Near Union Office

IFFCO Karmachari Sangh (IKS) organised a tree plantation activity near the Union Office, with enthusiastic participation from union members, demonstrating the workforce's collective commitment to environmental sustainability and green initiatives at the Kalol Unit.

The drive reinforced the importance of employee participation in environmental conservation and encouraged members to actively contribute towards enhancing the Unit's green cover. Through this initiative, IKS reaffirmed its commitment to supporting IFFCO's sustainability goals and fostering a cleaner, greener workplace for future generations.









Cloth Bag Distribution to Shopkeepers

5th June 2026 | Kasturinagar Shopping Centre

Reusable cloth bags were distributed to shopkeepers at the Kasturinagar Shopping Centre as part of the World Environment Day awareness campaign to encourage a transition away from single-use plastic bags. The initiative promoted sustainable shopping practices among township residents and local vendors while reinforcing the importance of reducing plastic waste in daily life.

The campaign also included awareness interactions with shopkeepers and customers, highlighting the environmental benefits of reusable alternatives. By encouraging the adoption of eco-friendly habits, the initiative supported the broader objective of creating a cleaner, greener, and plastic-free township.









Tree Plantation at Nano Fertiliser Plant

6th June 2026 | Nano Fertiliser Plant

A tree plantation activity was conducted near the Effluent Treatment Plant (ETP) of the Nano Fertiliser Plant, IFFCO Kalol, with enthusiastic participation from plant employees and senior officials, further strengthening the green cover around the unit's production facilities.

The presence and active involvement of senior management underscored the organisation's strong commitment to environmental sustainability and inspired employees to contribute towards creating a greener and healthier workplace. The initiative reflected IFFCO's continued focus on enhancing biodiversity and promoting sustainable industrial practices.












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World Environment Week Celebration 2026
IFFCO
NANO DAP




IFFCO
NANO UREA

Drawing Competition for Dependent Children

7th June 2026 | Kasturinagar IFFCO Township School

On 7th June 2026, a Poster Competition for employees' children was organised at H.B. Kapadia School, Kasturinagar, as part of the World Environment Week celebrations. Several children of IFFCO employees actively participated with great enthusiasm and creativity.

The theme of the competition revolved around environmental protection, plastic pollution, and sustainable living practices. The young participants showcased their ideas through colourful and impactful posters, reflecting their awareness of and concern for nature. The event encouraged artistic expression and helped inculcate the values of environmental stewardship among the younger generation. All participants were appreciated for their efforts, and committee members present applauded the initiative as a motivating platform for children to engage in meaningful activities.













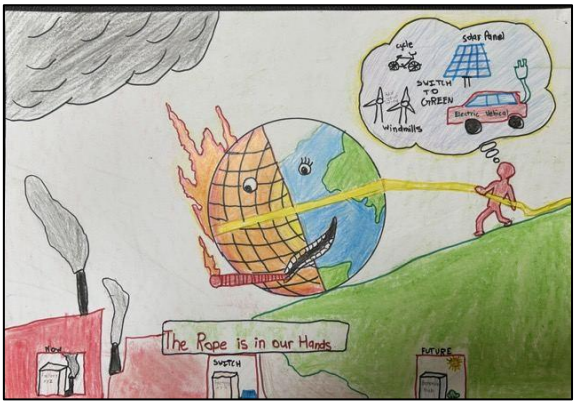


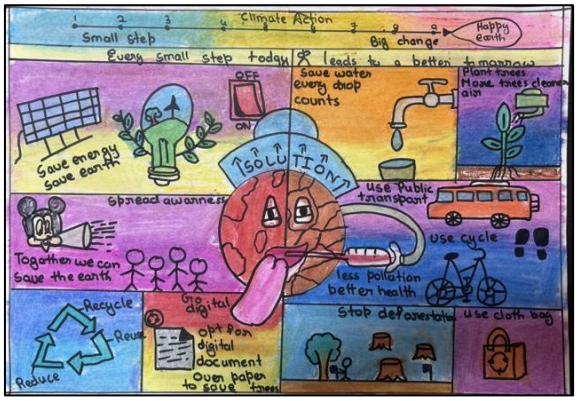
Some of Prize-Winning Posters

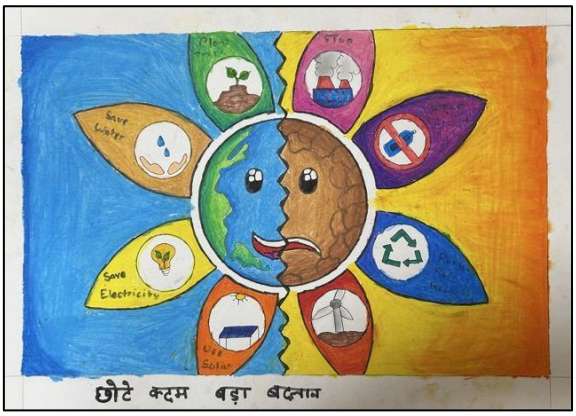














"Our little artists, turning art into a promise for a greener tomorrow."

Winners of Poster Competition for Employees' Children:

First Group (Standard II & below)

Sr. No.	Prize	Name	Father's Name & Section/Department
1	First	Master Meghraj Sinh	S/o Mr. Parikshit Sinh Rathod - Instrument
2	Second	Miss Snigdha	D/o Mr. Akhilesh Maurya - Mech. Maint.
3	Third	Miss Anshika	D/o Mr. Akhilesh Maurya - Mech. Maint.
4	Consolation	Master Anik	S/o Mr. Ritesh Garg - Urea Production

Second Group (Standard III & IV)

Sr. No.	Prize	Name	Father's Name & Section/Department
1	First	Miss Nayra	D/o Mr. Upendra Chaudhary- Instrument
2	Second	Master Utsav	S/o Mr. Bhavesh Karkar - Instrument
3	Third	Miss Krisha	D/o Mr. Pragnesh Jadeja - Medical
4	Consolation	Miss Vishwa	D/o Mr. Vijay Raval - NFP, Instrument

Third Group (Standard V & VI)

Sr. No.	Prize	Name	Father's Name & Section/Department
1	First	Master Jaival	S/o Mr. Amit Patel - Laboratory
2	Second	Master Vidit	S/o Mr. J. B. Ajani - NFP, Instrument
3	Third	Master Marmik	S/o Mr. Hitesh Prajapati - Ammonia Prod.
4	Consolation	Master Mantra	S/o Mr. Hitesh Patel - Urea Production

Fourth Group (Standard VII, VIII & IX)

Sr. No.	Prize	Name	Father's Name & Section/Department
1	First	Miss Avika	D/o Mr. Avdhesh Dangayach – Process
2	Second	Master Pranshu	S/o Mr. Chetan Patel - Ammonia Prod.
3	Third	Miss Trushti	D/o Mr. Mrugesh Shah - Prod. Handling
4	Consolation	Master Devyanshu	S/o Mr. Ravi Dantani - Prod. Handling

Photographs:









Slogan Competition

8th June 2026 | Theme: Sustainable Ways for a Better Future

A Slogan Competition was organised for employees, providing a creative platform for participants to express their thoughts on the pressing global issues. The event witnessed enthusiastic participation, with employees coming forward with insightful, thought-provoking, and powerful slogans. Each entry carried a unique perspective - some highlighted the urgency of reducing single-use plastics, while others focused on innovative eco-friendly alternatives and the collective responsibility to protect our planet for future generations.

A panel of judges carefully evaluated the entries, and the most impactful slogans were recognised for their originality, relevance, and creativity. The competition proved a meaningful reminder of how simple yet powerful messages can inspire a larger movement towards sustainability.

Winners - English Language

Sr.	Prize	Name	Section/Dept.	Winning Slogan
1	First	Mr. P. K. Singh	Unit Head, IFFCO-Kalol	"Choose Sustainability, Protect Our Future Bright, Every Green Habit, Keeps Nature's Delight."
2	Second	Smt. Menka Mishra Singh	Materials	"Choose Green, Keep Earth Serene, Together As A Team, Build A Sustainable Dream."
3	Third	Mr. Anand Kumar Srivastava	NFP / IT Services	"Choose green today, Pave the Way, For a brighter tomorrow to stay."

Winners - Hindi Language

Sr.	Prize	Name	Section/Dept.	Winning Slogan
1	First	Smt. Menka Mishra Singh	Materials	" स्वच्छ पर्यावरण, हरित संसार, सुरक्षित और समृद्ध भविष्य का यही सतत आधार।"
2	Second	Mr. Chitransh Jauhari	F&A	"इफ़्को नैनो यूरिया के संग हरित विचार, आनेवाली पीढ़ी के उज्ज्वल भविष्य का करें विस्तार।"
3	Third	Mr. Anand Kumar Srivastava	NFP/ IT Services	"टिकाऊ राह अपनाएँ, हरियाली बढ़ाएँ । सुनहरा कल सजाएँ, खुशियों का दीप जलाएँ ॥

Winners - Gujarati Language

Sr.	Prize	Name	Section/Dept.	Winning Slogan
1	First	Mr. Dipak Garala	Medical	“બચાવો કુદરતી સ્ત્રોત, ઉજ્જવળ બનાવો ભવિષ્યની જ્યોત.”
2	Second	Dr. Alpesh Patel	Medical	સૌર, પવન, જળ ઉર્જાનો વપરાશ, અટકાવે પ્રકૃતિનો વિનાશ.
3	Third	Mr. Piyush Rathod	NFP / Mech. Maint.	“પ્રકૃતિ સાથે પ્રગતિ, ભવિષ્યમાં સમૃદ્ધિ.”

Tree Plantation at IFFCO Township

8th June 2026 | With Senior Citizens of the Township

The plantation drive witnessed participation from the township's senior citizen groups—**Aanchal**, representing the women members, and **Aashirvad**, representing the men members. Together, they planted saplings, symbolising unity, environmental stewardship, and their shared responsibility towards nature.

As a cherished annual tradition, a framed group photograph of the participants is presented to both **Aanchal** and **Aashirvad**. The photographs are proudly displayed at their respective community gathering spaces, serving as a lasting reminder of their collective contribution to environmental conservation and inspiring continued participation in the years ahead.






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WORLD ENVIRONMENT DAY
वृक्षारोपण अभियान
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विश्व पर्यावरण सप्ताह
वृक्षारोपण समारोह


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WORLD ENVIRONMENT DAY
वरिष्ठ नागरिकों
द्वारा
वृक्षारोपण अभियान
हरा-भरा कल, हमारी पहचान,
एक पेड़ एक वरदान
इफको


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WORLD ENVIRONMENT DAY
वरिष्ठ नागरिकों
द्वारा
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हरा-भरा कल, हमारी पहचान,
एक पेड़ एक वरदान
इफको


TREE PLANTATION
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WORLD ENVIRONMENT DAY
वरिष्ठ नागरिकों
द्वारा
वृक्षारोपण अभियान
इफको

Tree Plantation by IFFCO Officer Association (IOA)

9th June 2026 | IFFCO Kalol

IFFCO Officer Association (IOA), IFFCO Kalol, organised a tree plantation drive with participation from officers across departments, reinforcing collective leadership commitment towards environmental sustainability.










Tree Plantation & Environmental Awareness Programme

9th June 2026 | Swarrnim Startup & Innovation University, Bhoyan Rathod Village, Gandhinagar

As part of its community outreach, IFFCO Kalol conducted a tree plantation and environmental sustainability awareness programme at Swarrnim Startup & Innovation University, Bhoyan Rathod Village, engaging students and faculty in meaningful dialogue on climate action and sustainable practices.







Tree Plantation & Environment Awareness Programme

11th June 2026 | Primary School, Tintoda Village, Gandhinagar

A tree plantation drive and environment awareness programme was organised at the Primary School, Tintoda Village, to inspire young students to care for nature. IFFCO bags were distributed to the children as part of the initiative.

Students actively participated in planting saplings and were encouraged to take responsibility for nurturing their respective plants. Addressing the gathering in Gujarati, the Unit Head interacted with the children through engaging environmental questions, creating awareness about tree conservation, cleanliness, and sustainable practices. The programme concluded with a pledge by the students to protect their plants and contribute towards a greener future.


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World Environment Week Celebration 2026

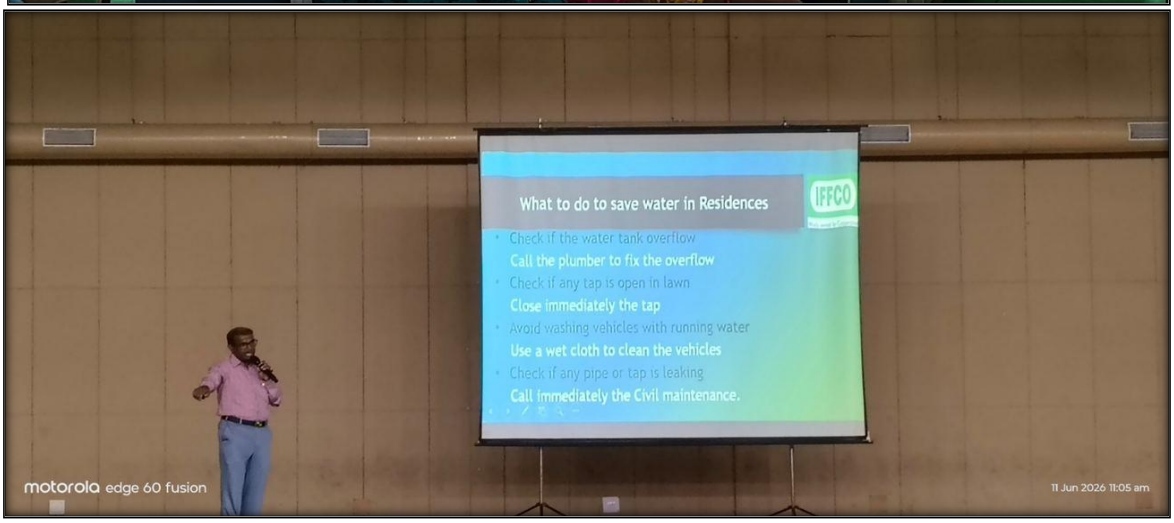
Environment Awareness on Water Management

11th June 2026 | M. P. Hall, IFFCO Township (for Kasturinagar Residents)

An awareness session on water management was conducted for the residents of Kasturinagar at M. P. Hall, IFFCO Township, focusing on responsible water usage, conservation techniques, and the community's role in sustainable water resource management.







Concluding Ceremony & Prize Distribution

12th June 2026 | Training Centre

The prize distribution and concluding ceremony of World Environment Week 2026 was organised on 12th June 2026 at the Training Centre. The Senior General Manager, Shri P K Singh sir, along with General Managers, Joint General Managers, the President and General Secretary of IKS and IOA, and other senior executives of IFFCO Kalol Unit present in the function. **Smt. N. D. Ajmera, Regional Officer, GPCB Gandhinagar, was present as Chief Guest, along with Shri A. A. Ghadvi, Scientific Officer, GPCB.**

Shri T. Swamy, DGM (Environment & Pollution Control) and Coordinator of World Environment Week Celebrations 2026, highlighted the environmental performance of the IFFCO Kalol complex for the year 2025 - 26. He emphasised the importance of carrying forward the spirit of environmental consciousness and urged all employees to integrate sustainable practices into their professional and personal lives.

Shri P K Singh, Sr. General Manager (Unit Head), drew attention to the growing threat of plastic pollution, describing it as one of the most pressing environmental challenges of our time. He noted that single-use plastics have deeply penetrated ecosystems, harming soil, water and ultimately human health, and stressed that addressing this issue requires collective responsibility across industry, community, and individual levels. He urged employees to actively practice the principles of reduce, reuse, and recycle, and to explore sustainable alternatives to plastic in their daily routines.

In her address, **Smt. N. D. Ajmera Regional Officer, GPCB Gandhinagar**, expressed appreciation for the growing environmental awareness among the children of IFFCO employees. She also commended IFFCO Kalol's initiative of celebrating World Environment Day as a week-long programme rather than restricting it to a single day, thereby providing greater scope for awareness and participation.

Also Shri. A. A. Ghadvi, Sr. Scientific Officer, GPCB attended the concluding ceremony. The celebration concluded with a formal vote of thanks proposed by Shri. Sohil Gupta.

















— End of Report —

ANNEXURE XVI

MEASURES IMPLEMENTED FOR ENERGY CONSERVATIONS

ANNEXURES

Annexure – XVI

Measures Implemented for Energy Conservation during last 04 Years:

Sr. No.	Energy conservation steps implemented during the Year 2020-21	Expen-diture incurred Rs. Lakhs	Saving in Natural resources (NG, Naphtha, FO, water etc.)	
			kW/day	Rs. lakhs Per Year
	IFFCO Plant			
1	Replacement of 20 nos. of conventional street light of 70 W with hybrid solar light fitting of 35 W.	0.60	11.2	0.35
2	Replacement of 50 nos. conventional 2X36W light fittings with 34W LED light fittings in buildings.	1.6	20	0.62
3	Replacement of 100 nos. conventional 36W light fittings with 15W LED light fittings in buildings.	0.60	11	0.34
4	Replacement of 150 nos. conventional 500W flood light fittings with 35W LED light fittings in shutdown for temporary lighting provision (one time saving in every ATA)	0.93	279	0.47
	Total	**3.73**		**1.78**
	Township			
1	Replacement of 06 nos. conventional 400W flood light with 150W LED flood light in high mast tower	0.54	12	0.37
2	Replacement of 100 nos. 70W Ceiling fan with 53W energy efficient fan at township quarter.	1.5	12	0.37
3	Replacement of 100 nos. 35W Ceiling fan with 9W energy efficient fan at township quarter.	0.085	31.2	0.97
	Total	**2.125**		**1.71**

Sr. No.	Energy conservation steps implemented during the Year 2021 - 22	Expen-diture incurred Rs. Lakhs	Saving in Natural resources (NG, Naphtha, FO, water etc.)	
			kW/day	Rs./day
	IFFCO Plant			
1	Replacement of conventional street light fitting of 70 W with hybrid solar light fitting of 35 W at street light	0.6	11.2	95
2	Replacement of conventional 2X36W light fittings with 34W LED light fittings in buildings	1.6	20	170
3	Replacement of conventional 36W light fittings with 15W LED light fittings in buildings	0.6	5.5	47
	Total	**2.8**		**312**
	Township			
1	Replacement of conventional 400W flood light with 150W LED flood light in high mast tower	0.54	12	102
2	Replacement of 70W Ceiling fan with 53W energy efficient fan at township quarter	0.75	6	51
3	Replacement of 15W light fittings with 9W energy efficient LED light fittings at township quarter	0.085	16	139
	Total	**1.375**		**292**

Implemented during 2022 – 23:

Plant:

- ✓ Replacement of conventional light fittings with LED luminaries in purchase & F&A section.

Township:

- ✓ Replacement of sign boards with latest LED sign boards in township to save energy Control of LED sign boards with digital timer for limited time during 19:00 Hrs to 22:30 Hrs for energy saving with saving detailed below:

  Power saving =150W +20W
  Energy saving per day = 170x7=1190Whr
  Annual energy saving = 1190 x365 = 434350Whr = 434.35 units
  Rate per unit = Rs 8.5
  So annual monetary saving per fitting = 8.5 x 434.35 = Rs 3691.975

  Total 24 nos of LED fittings in high mast towers & 4 numbers of LED sign boards are switched OFF for whole night by using digital timer.

- ✓ Replacement of conventional ceiling/exhaust fans with energy efficient fans in quarters and public buildings.

Implemented during 2023 – 24:

- Replacement of bare conductor with coated conductor in overhead lines (Approx. 5KM) connecting from IFFCO plant to IFFCO township Kasturi Nagar to enhance safety and resulting less tripping causing energy saving due to decrease in frequent starting of equipment due to power interruption.
- Installation of new Un-interrupted power (UPS) supply at township sub-station to avoid tripping of power in quarters as well as HT& LT panel control resulting in reducing energy loss.
- Replacement of energy efficient fans & LED light fixtures in township quarters to save energy.

ANNEXURE XVII & XVII A, B

DETAILS OF NOISE CONTROL MEASURES

&

NABL TEST REPORTS

ANNEXURES

Annexure - XVII

Details of Noise Control Measures

IFFCO Kalol has various machines like dryers, blowers, vacuum pumps, process pumps, turbines, compressors etc. along with DG sets, Boiler, which generates noise. These machines are already inbuilt with appropriate control measures to maintain the noise levels within limits.

Generally, noise level of working place is within the limit as specified in the standard of MoEF&CC. However, Kalol unit have issued earmuffs/ plugs to all concerned employees for usage while working in noisy environment. The equipment like Compressors, blowers, fans, various drums and elevators are provided with Acoustic pad insulation / Acoustic enclosures to limit the noise level as per the standard of MoEF&CC. Noise level at Boundary Fence are controlled by providing green belt throughout the boundary wall of plant. Wherever required vent silencers are installed to reduce noise level in the plant. Details of Noise Control Devices is given below:

Noise Control Devices

Plant	Noise Control Devices	Method of control
Noise Abatement in Plant Area	Vent Silencers, Insulations and tree plantation / inside & outside the plant	• Silencers have been provided at vent stacks to reduce the noise level. • Also, to reduce noise level in compressor area, the gas lines are insulated. • Green belt in the plant and all around the plant boundary also contribute positively in minimizing the impact on noise level. • Diesel Generation set is operated once in a week for trail purpose. Acoustic enclosure has been provided in the Diesel Generator Room. • Issued ear muffs / plugs to all the employees and usage of ear muffs / plugs while working in noisy environment is already in practice.
		
Vent Silencer in Ammonia Plant		**Vent Silencer in BHEL Boiler**
Photographs of Noise Control System		

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Test Report

F/OPN/12
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Noise Measurement

Report No.	N/08/098/26-27	Date of Issue	15/08/2026
Name and address of customer	**M/s. Indian Farmers Fertiliser Cooperative Ltd.** Plot No. 712/846,855,856 of Saij, 17-37 of Dhanej, P.O. Kasturinagar, Kalol, Ta.-Kalol, Dist.- Gandhinagar.		
Discipline	Chemical	Group	Atmospheric Pollution
Sample Description	Noise Level	Sampling Location	As per Below location
Date of Sampling	11/08/2026	Time of sampling	06:00 AM to 10:00 PM
Type of sampling	Ambient	Sampling By	SGT Team
Date of testing	11/08/2026	Sampling Method	IS 9989:1981
Location of test performed	At Site	Sample ID	N/08/098
Sampling plan	E/SYS/09	Environmental Condition during sampling	Clear

Equipment used for testing

Equipment Name	Sound Level Meter	Equipment Id No.	200801790

Test Results

Sr. No	Name of Location	OBSERVATION DAY TIME MONITORING	
		dB(A)	Norms dB(A)
1.	Nr. R&D Lab	60.5	75
2.	Nr. System	62.4	75
3.	Nr. Training Building	64.1	75
4.	Nr. Time Office	59.8	75
5.	Nr. Boiler Control Room	68.1	75
6.	Nr. Urea Control Room	66.0	75
7.	Nr. Ammonia Control Room	67.8	75
8.	Nr. Railway Office	62.3	75
9.	Nr. Fire & Safety	58.6	75
10.	Nr. Central Lab	61.3	75
11.	Nr. Instrument	63.7	75
12.	Nr. Technical Building	59.0	75
13	Nr. Dispensary	68.9	75
14	Nr. B & MH Control Room	63.6	75
15	Nr. Ammonia Maintenance	67.8	75
16	Nr. Railway Gate No 2	65.2	75
17	Nr. Store	62.0	75

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**

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End of Test Report

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Test Report

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

Ambient Air Quality

Name and Address of Customer	**M/s. Indian Farmers Fertiliser Cooperative Ltd.** Plot No. 712/846,855,856 of Saij, 17-37 of Dhanej, P.O. Kasturinagar, Kalol, Ta. Kalol, Dist. Gandhinagar.		
Discipline	Chemical	Group	Atmospheric Pollution
Report No.	AA/08/090/26-27	Date of Issue	17/08/2026
Sample Description	Ambient Air	Sampling Location	Near Cooling Tower
Date and time of sampling start	10/08/2026 11:11 Hrs.	Date and time of sampling finish	11/08/2026 11:11 Hrs.
Sample Receipt Date	11/08/2026	Sampling By	SGT Team
Sampling Procedure	IS 5182	Sample ID	AA/08/090
Location of test performed	At Laboratory	Wind Direction	WSW
		Wind Speed (m/s)	1.2 – 4.7
Environmental Condition during testing	25 ± 2 °C	Environmental Condition during sampling	Cloudy
Condition of sample during receipt	Satisfactory	Sampling plan	E/SYS/09
Test Start Date	12/08/2026	Test Completion date	12/08/2026

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	65.1	100
2.	Particulate Matter ($PM_{2.5}$)	µg/m³	IS 5182 (Part 24): 2019	30.4	60
3.	Sulphur Dioxide (SO_2)	µg/m³	IS 5182 (Part 2): 2001	14.8	80
4.	Nitrogen Dioxide (NO_2)	µg/m³	IS 5182 (Part 6): 2006	21.9	80
5	Ammonia (NH_3)	µg/m³	IS 5182 (Part 19):1982	14.6	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 **Chemist** **Tested By**	**Mr. Love Patadiya** **Quality Manager** **Reviewed and Approved By**

Stride Green Technologies LLP

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

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Test Report

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

Ambient Air Quality

Name and Address of Customer	**M/s. Indian Farmers Fertiliser Cooperative Ltd.** Plot No. 712/846,855,856 of Saij, 17-37 of Dhanej, P.O. Kasturinagar, Kalol, Ta. -Kalol, Dist.- Gandhinagar.		
Discipline	Chemical	Group	Atmospheric Pollution
Report No.	AA/08/088/26-27	Date of Issue	17/08/2026
Sample Description	Ambient Air	Sampling Location	Near R & D Lab
Date and time of sampling start	10/08/2026 11:39 Hrs.	Date and time of sampling finish	11/08/2026 11:39 Hrs.
Sample Receipt Date	11/08/2026	Sampling By	SGT Team
Sampling Procedure	IS 5182	Sample ID	AA/08/088
Location of test performed	At Laboratory	Wind Direction	WSW
		Wind Speed (m/s)	1.2 – 4.7
Environmental Condition during testing	25 ± 2 °C	Environmental Condition during sampling	Cloudy
Condition of sample during receipt	Satisfactory	Sampling plan	E/SYS/09
Test Start Date	12/08/2026	Test Completion date	12/08/2026

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	62.6	100
2.	Particulate Matter ($PM_{2.5}$)	µg/m³	IS 5182 (Part 24): 2019	29.2	60
3.	Sulphur Dioxide (SO_2)	µg/m³	IS 5182 (Part 2): 2001	13.3	80
4.	Nitrogen Dioxide (NO_2)	µg/m³	IS 5182 (Part 6): 2006	21.6	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.

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

Stride Green Technologies LLP

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

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 Fertiliser Cooperative Ltd.** Plot No. 712/846,855,856 of Saij, 17-37 of Dhanej, P.O. Kasturinagar, Kalol, Ta.- Kalol, Dist.- Gandhinagar.		
Discipline	Chemical	Group	Atmospheric Pollution
Report No.	AA/08/089/26-27	Date of Issue	17/08/2026
Sample Description	Ambient Air	Sampling Location	Near Training Centre
Date and time of sampling start	10/08/2026 12:30 Hrs.	Date and time of sampling finish	11/08/2026 12:30 Hrs.
Sample Receipt Date	11/08/2026	Sampling By	SGT Team
Sampling Procedure	IS 5182	Sample ID	AA/08/089
Location of test performed	At Laboratory	Wind Direction	WSW
		Wind Speed (m/s)	1.2 – 4.7
Environmental Condition during testing	25 ± 2 °C	Environmental Condition during sampling	Cloudy
Condition of sample during receipt	Satisfactory	Sampling plan	E/SYS/09
Test Start Date	12/08/2026	Test Completion date	12/08/2026

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	66.5	100
2.	Particulate Matter ($PM_{2.5}$)	µg/m³	IS 5182 (Part 24): 2019	31.7	60
3.	Sulphur Dioxide (SO_2)	µg/m³	IS 5182 (Part 2): 2001	17.9	80
4.	Nitrogen Dioxide (NO_2)	µg/m³	IS 5182 (Part 6): 2006	22.4	80
5.	Ammonia (NH_3)	µg/m³	IS 5182 (Part 19):1982	13.0	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. Love Patadiya**
Chemist	**Quality Manager**
Tested By	**Reviewed and Approved By**

Stride Green Technologies LLP

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

ANNEXURE XVIII

DETAILS OF CER EXPENDITURE

ANNEXURES

ANNEXURE – XVIII

SOCIO - ECO DEVELOPMENT MEASURES

1. Social Economic Development:

IFFCO Kalol is committed to contribute for the sustainable economic development of farmers, local community and Society at large to improve their quality of life. IFFCO Society has under taken various activities in the areas for community development, environment protection, horticulture, health care/ medical facilities and literacy enhancement / empowerment programmes. To bridge the gap between farming community & industry and for development of surrounding villages, IFFCO Kalol Unit has carried out development activities in surrounding villages like organizing Eye Camps& Blood Donation Camp, providing Drinking water system, various facilities in schools, construction of Dhobi Ghats etc., construction of Toilets in schools & villages, construction of cattle-sheds, providing practical training to farmers to improve their skills in crop & animal husbandry, organizing veterinary camps, farm mechanization, balance fertilization, use & distribution of bio-fertilizers, training for tailoring & embroidery, adult education programmes, fruits and vegetables preservation, etc. CSR activities are undertaken by IFFCO in two segments i.e., unit level and corporate level. Activities undertaken at Unit level as a part of IRDP / CSR in nearby area during last four years are mentioned below in Table 1.1

Sr. No.	Short Description, Village and Taluka	Cost Rs. Lakh
Expenditure during the year April 2026 – September 2026		
1	Donate Tracksuits to students of the Sadvichar Parivar Viklang Punarvas Kendra, Village: Uvarsad, Dist: Gandhinagar	0.138
2	Distribution of nutrition support kits to TB (tuberculosis) Patients of Kalol, Dist: Gandhinagar	0.625
3	Distribution of nutrition support kits to TB (tuberculosis) Patients of Kalol, Dist: Gandhinagar	0.304
4	Donation for installation of play equipment s in Public Park, Gandhinagar	1.91
5	Honorarium to Stitching Instructor for class carried out for Women from nearby villages	0.875
6	Repairs & Maintenance of sewing machine for class carried out for Women from nearby villages	0.112
	Total Amount	**3.967**

Sr. No.	Short Description, Village and Taluka	Cost Rs. Lakh
Expenditure during the year April 2025 – March 2026		
1	Donate for Procurement and installment of Solar Rooftop at Vasudev Kelavani Mandal, Gandhinagar	2.0
2	Donate for Procurement of Medical Equipment Laparoscope Camera in GRAM VIKAS MANDAL, PALIAD, Gandhinagar	2.0
3	Donate for Educational Material (Educational Wall Painting) in Shree Kadi Kumar Prathmik Shala No. 03, Gandhinagar	1.19
4	Donate for Study Material to Dr. Shree Hedgevar Smarak Seva Samiti, Gandhinagar	0.50
5	Donate for Construction of water tank and installation of slide and swing at Shree Shivam Primary School, Nardipur, Gandhinagar	1.93
6	Donate for Renovation of hall at Kalol Medical & Charitable Foundation, Kalol, Gandhinagar	2.0
7	Distribution of nutrition support kits to TB (tuberculosis) Patients	9.91
8	Distribution of Sewing Machines at 50% subsidy to Women from nearby villages	3.24
9	Honorarium to Stitching Instructor for class carried out for Women from nearby villages.	1.80
10	Donation of Water cooler and RO system to Industrial Training Institute, Gandhinagar (Mahila)	1.0
11	Donation for installation of 16 no. of CCTV to Bharat Sevashram Sangh, Ahmedabad	1.37
12	Donation for renovation of toilets at Ayodhya Primary School, Kalol	1.83
13	Donation for construction of compound wall and fencing at New Dhanaj Primary School, Kalol, Gandhinagar	1.97
14	Donation for Paver block work at Shertha Gram Panchayat, Shertha, Gandhinagar	0.98
15	Distribution of Fruits/ Neem/Forest Plants/Seeds etc. (100% subsidy) to surrounding villages of IFFCO Kalol Plant	0.55
16	Weekly Fruit & Vegetable Preservation Training (100% Subsidy)	0.15
17	Repairs & Maintenance of sewing machine	0.09
	Total Amount	**31.25**

Sr. No.	Short Description, Village and Taluka	Cost Rs. Lakh
Expenditure during the year April 2024 – March 2025		
1	Donate Wheel chair for old age people for voting at Election Office.	0.88
2	Donate Medical equipment s to Gram Vikas Mandal, Village: Paliyad, Dist: Gandhinagar	1.74
3	To purchase R.O and Water cooler at Industrial Training institute, Gandhinagar.	1.83
4	Rain Shade provided at Anganwadi Kendra, Village: Shertha, Dist: Gandhinagar.	1.2
5	To purchase Note books to Bharat Seva Ashram, Ahmedabad.	0.33
6	Toilet block repairing/construction in Boys hostel of Kalol Taluka Thakor Samaj Kelavani Mandal Village: Palsana, Dist: Gandhinagar.	2.0
7	Provide study material to Dr Hedegwar smarak seva samiti, Gandhinagar	0.29
8	To construct washing area at Gram Panchayat Village: Bhoyan, Dist: Gandhinagar.	2.0
9	For Repairing/Painting of Panchayat office Gram Panchayat Village: Ganpatpura, Dist: Gandhinagar.	1.9
10	For repairing work at Prathamik Shala of Morarji Nagar, Village: Pansar, Kalol, Dist: Gandhinagar.	1.5
11	For repairing work at P R Patel High School, Village: Ambapur, Dist: Gandhinagar.	0.3
12	Rain Shade, Fencing & Paver block provided at Arogya Kendra, Village: Dantali, Dist: Gandhinagar.	2.0
13	For PCC road, boundary wall & Paver Block at Karsanpura Anupam Prathmik Shala Village: Karsanpura.	2.0
14	Provide 05 nos. slotted angle racks, Gandhinagar.	0.13
15	For fabrication of parking shed, Gandhinagar.	2.0
	Total Amount	**20.10**

Sr. No.	Short Description, Village and Taluka	Cost Rs. Lakh
Expenditure during the year 2023 – 24		
1	Sadvichar School, Village: Uvarsad, Dist: Gandhinagar	0.26
2	Roti Maker machine provided at Hostel mess of Shri V H Gandhi Deaf & Dumb School, Modasa, Gujarat	2.0
3	Street lights provide at Village: Soja, Dist: Gandhinagar	2.0
4	Optical unit Auto Refractometer provided to Veda Sarvjanik hospital, Village: Veda Dist: Gandhinagar	2.0
5	High mask electrical Tower provided at Gram Panchyat Village: Ghamasana, Dist: Gandhinagar	2.0
6	LED Street Light provided Village: Dhanaj, Dist: Gandhinagar	2.0
7	Solar system of 10 kW provided at Manav Kalyan Trust for senior citizens home, Village: Nardipur, Kalol, Dist: Gandhinagar	2.0
8	Essential items provided to Home for underprivileged and orphan children s, Spurge foundation, Hariom Nagar, Motera, Ahmedabad	0.5
9	Nutrition kits to malnutrition children of Primary School children nearby villages, Kalol, Dist: Gandhinagar	19.24
10	Paver block provided at School, Village: Bhaupura, Dist: Gandhinagar	1.9
11	Solar system of 10 kW provided at Manthan Apang Kanya School Village: Hajipur Kalol, Dist: Gandhinagar	2.0
12	Toilet Block Repairing carried out in Morarjinagar Prathmik Shala Village: Pansar, Kalol, Dist: Gandhinagar	1.5
13	School Building Repairing carried out in P R Patel High School Village: Ambapur, Dist: Gandhinagar	2.0
14	Water cooler provided at Sanskar Tirth Kanya School, Village: Ajol, Dist: Gandhinagar	0.82
15	• 10 Nos of ceiling fans provided at SANSKAR TIRTH Village: Ajol, Dist: Gandhinagar • 3 nos of Computers were given to General Hospital Village: Mansa, Dist: Gandhinagar • 3 nos of Computers were given to N J L S Vidyalaya Village: Govindpura, Amreli • 1 no of Computers were given to Library of Village: Shertha, Dist: Gandhinagar • 3 nos of Computers were given to Adrash Vidyalaya, Village: Visatapura • 3 nos of Computers were given to Ved international School Vihar Village: Mansa • 1 no of Computers were given to Gram Panchayat village Jalud • 1 no of Computers were given to Bahuchara Prathmikshala • 1 no of Computers were given to Dantali Dahiba Vidyalaya • 2 nos of Computers were given to Primary School Village: Dhanaj	**Free of Cost**
	Total Amount	**40.22**

Table 1.1: Social Infrastructure facilities provided by IFFCO in nearby villages

2. Cooperative Rural Development Trust (CORDET)

IFFCO has established CORDET – Co Operative Rural Development Trust under Indian Trust Act. Cooperative Rural Development Trust namely CORDET is a charitable trust registered under Indian Trust Act since 1978 (9th October, 1978) to provide education and training to farmers. The CORDET units are set up at Phulphur, Kalol and Kandla locations. CORDET is instrumental in demonstrating various farming system models to increase the farm income by organizing various trainings and skill development programs for youth and women. It has demonstrated crop production system, dairy, balanced fertilization, use of bio-fertilisers, bee-keeping, pisciculture, computer use, screen printing, welding, tailoring and embroidery also distributed Sewing Machine every year 60 machine, adult education programmes, fruits and vegetables preservation etc. at Kalol units.

Major activities carried out in CORDET in last few years

Sr. No.	Year/ Duration	Number of training programs organized for farmers from various States & Women from nearby villages	Number of participants (farmers and women) in the training programs	Number of soil samples analysed for various nutrients	Production of bio fertilisers in Lakh litres
1	2023 - 24	95	7327	41150	2.33
2	2024 - 25	182	8407	378500	3.06
3	2025 - 26	123	8454	109620	2.02
4	Apl.26 - Sept.26	37	1616	28875	1.62

Apart from above, Integrated Rural Development Program (IRDP) has been undertaken in various villages. A variety of social and promotional activities like construction of community centres, drinking water facility, tree plantation, soil testing campaigns, supply of cattle feed, promotion of vermi compost, mini-kit distribution (CIP) etc. were undertaken in these villages.

During the period April - 2026 to September - 2026 CORDET has organized 37 training programmes benefiting 1616 farmers including women from various States. CORDET also provide free soil testing facilities through their Soil Testing Laboratories to the farmers and analyzed 28875 soil samples during this period. Soil samples were also analyzed for six micro nutrients. To increase microbial activities in the soil, CORDET has increased the production capacity of liquid bio-fertilisers from 15 lakh liters per annum. The total production of bio fertilizers during this period was 1.62 Lakh liters.

Integrated Rural Development Program (IRDP) has been undertaken in nearby villages. A variety of social and promotional activities like construction of community centres, drinking water facility, tree plantation, soil testing campaigns, supply of cattle feed, promotion of vermi compost, mini-kit distribution (CIP) etc. were undertaken in these villages.









3. Social Activities at Corporate Level (Non-Profit)

i. IFFCO Kisan Sewa trust:

A Charitable Trust created out of joint contributions from IFFCO & its employees has undertaken variety of activities to assist poor and needy farmers affected due to natural calamities such as earthquake, flood, Tsunami etc. It also extends helping hand to the farmers in distress due to aberrant weather conditions. The Trust expanded its scope by providing Financial Assistance to the farmers living below poverty line for their critical medical treatment and education scholarship for higher studies to the children of poor & needy farmers.

ii. Indian Farm Forestry Development Cooperative Limited (IFFDC):

IFFCO had promoted a separate Multi-State Cooperative Society named 'Indian Farm Forestry Development Cooperative Limited' (IFFDC) in 1993 with the prime objective of development of wasteland for tree plantation and to enhance the socio-economic status of rural poor through sustainable Natural Resource Management by collective action. To achieve this, IFFDC initially implemented afforestation and rural development projects in the States of Uttar Pradesh, Madhya Pradesh and Rajasthan with an objective to improve degraded land, generate employment and provide fuel and fodder to the community. Afforestation in about 29,420 hectare wasteland has been achieved by promoting 152 villages level Primary Farm Forestry Cooperative Societies (PFFCS).

iii. Professors Chairs in Agricultural Universities and Cooperative Institutions: In order to promote excellence in agricultural research and cooperative education in the country, IFFCO has established Professors' Chairs in Agricultural Universities and Cooperative Institutions. At present, 17 Chairs are set up in different parts of the country. IFFCO Professors' Conferences are held periodically and action plans are discussed.

iv. Information and Communications Technology:

This module is optimized for the touch screen monitor based "Cyber Dhabas" (Information Kiosks) being set up by IFFCO. Extensive usage of graphics and audio is implemented to encourage usage of the system by visitors from rural India. The same SIM Card which is used for communication, is turned into a powerhouse of knowledge for empowering people living in villages through relevant & pertinent information.

v. Save the Soil

IFFCO initiated, “Save the Soil Campaign” with focus on soil rejuvenation and crop productivity enhancement for sustainable and environment friendly agriculture. For this, activities were undertaken across the country to promote soil testing, soil reclamation and conservation, application of balanced and integrated use of nutrients, water resource development and conservation, inclusion of pulses in cropping system, crop diversification, farm mechanization etc. In addition, hand holding of farmers and cooperatives was done by providing financial assistance for installation of biogas units, MIS - drip irrigation systems/ sprinkler sets, plastic mulching, farm machinery etc. These efforts have resulted into an average yield increase of 15–25% in various crops; improvement in soil health and above all dissemination of improved farm technologies.

ANNEXURE XIX A & B

COPY OF LATEST RECEIPT

OF ACKNOWLEDGMENT

BY NEARBY

GRAM PANCHAYAT'S

ANNEXURES

जयते

File No: J-11011/60/2009-IA-II(I)
Government of India
Ministry of Environment, Forest and Climate Change
IA Division
***

Date **16/04/2024**

To,

DG Inamdar Inamdar
INDIAN FARMERS FERTILIZER COOPERATIVE LIMITED (IFFCO)
IFFCO Sadan, C-1, Court Chowk Road, Saket District Centre, District Centre, Sector-6, Saket, New Delhi , SOUTH, DELHI, , 110017
iffcofertilizer2020@gmail.com

Subject: Grant of prior Environmental Clearance (EC) to the proposed project "**Expansion and Modernization of Existing Fertilizer Plant for Manufacturing of Nano Fertilizer and Nano Micronutrients" at Plot no. 712/846, 855, 856 of Saij,17-37 of Dhanej, Kasturinagar, GIDC Kalol, District-Ghandhinagar, Gujarat by M/s Indian Farmers Fertilizer Cooperative Limited** " 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/IND3/459862/2024 dated 25/1/2024 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.	EC24A1904GJ5656091N
(ii) File No.	J-11011/60/2009-IA-II(I)
(iii) Clearance Type	Fresh EC
(iv) Category	A
(v) Project/Activity Included Schedule No.	5(a) Chemical fertilizers ,5(a) Chemical fertilizers
(vi) Sector	Industrial Projects - 3
(vii) Name of Project	Expansion and Modernization of Existing Fertilizer Plant for Manufacturing of Nano Fertilizer and Nano Micronutrients" at Plot no. 712/846, 855, 856 of Saij,17-37 of Dhanej, Kasturinagar, GIDC Kalol, District- Ghandhinagar, Gujarat
(viii) Name of Company/Organization	INDIAN FARMERS FERTILIZER COOPERATIVE LIMITED (IFFCO)

તલાટી કમ મંત્રી
ધોરણા ગ્રામ પંચાયત
તા.જી. ગાંધીનગર

તલાટી કમ મંત્રી
સઈજ ગ્રામ પંચાયત
તા.કલોલ,જી.ગાંધીનગર

તલાટી કમ મંત્રી
ઘાનજ ગ્રામ પંચાયત
તા. કલોલ, જી. ગાંધીનગર

ENVIRONMENTAL CLEARANCE

PARIVESH

(Pro-Active and Responsive Facilitation by Interactive, and Virtuous Environment Single-Window Hub)

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

To,

The Director

INDIAN FARMERS FERTILIZER COOPERATIVE LIMITED (IFFCO)

IFFCO Kalol Unit, P.O. Kasturi Nagar, District Gandhinagar, North Gujarat – 382423,,Gandhinagar,Gujarat-382423

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

Sir/Madam,

This is in reference to your application for Environmental Clearance (EC) in respect of project submitted to the Ministry vide proposal number IA/GJ/IND3/412440/2022 dated 21 Feb 2023. The particulars of the environmental clearance granted to the project are as below.

1.	**EC Identification No.**	**EC23A016GJ154380**
2.	**File No.**	J-11011/60/2009-IA-II(I)
3.	**Project Type**	Expansion
4.	**Category**	A
5.	**Project/Activity including Schedule No.**	5(a) Chemical fertilizers
6.	**Name of Project**	Expansion of Existing Fertilizer Plant for Manufacturing of Nano Fertilizer and Nano Micronutrients at Plot no. 712/846, 855, 856 of Saij,17-37 of Dhanej, Kasturinagar, Kalol GIDC, District - Gandhinagar, Gujarat- 382423
7.	**Name of Company/Organization**	INDIAN FARMERS FERTILIZER COOPERATIVE LIMITED (IFFCO)
8.	**Location of Project**	Gujarat
9.	**TOR Date**	N/A

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

Date: 07/03/2023

(e-signed)
Mr. Motipalli Ramesh
Scientist E
IA - (Industrial Projects - 3 sector)

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

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Recieved 7/3/23
તલાટી કમ મંત્રી
ધાનજ ગ્રામ પંચાયત
તા. કલોલ, જી. ગાંધીનગર

Recieved
તલાટી કમ મંત્રી
સઈજ ગ્રામ પંચાયત
તા.કલોલ,જી.ગાંધીનગર
23/03/2023

ENVIRONMENTAL CLEARANCE

PARIVESH

(Pro-Active and Responsive Facilitation by Interactive, and Virtuous Environment Single-Window Hub)

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

To,

The Director
INDIAN FARMERS FERTILIZER COOPERATIVE LIMITED (IFFCO)
IFFCO Kalol Unit, P.O. Kasturi Nagar, District Gandhinagar, North Gujarat – 382423,,Gandhinagar,Gujarat-382423

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

Sir/Madam,

This is in reference to your application for Environmental Clearance (EC) in respect of project submitted to the Ministry vide proposal number IA/GJ/IND3/412440/2022 dated 21 Feb 2023. The particulars of the environmental clearance granted to the project are as below.

1.	**EC Identification No.**	**EC23A016GJ154380**
2.	**File No.**	J-11011/60/2009-IA-II(I)
3.	**Project Type**	Expansion
4.	**Category**	A
5.	**Project/Activity including Schedule No.**	5(a) Chemical fertilizers
6.	**Name of Project**	Expansion of Existing Fertilizer Plant for Manufacturing of Nano Fertilizer and Nano Micronutrients at Plot no. 712/846, 855, 856 of Saij,17-37 of Dhanej, Kasturinagar, Kalol GIDC, District - Gandhinagar, Gujarat- 382423
7.	**Name of Company/Organization**	INDIAN FARMERS FERTILIZER COOPERATIVE LIMITED (IFFCO)
8.	**Location of Project**	Gujarat
9.	**TOR Date**	N/A

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

Date: 07/03/2023

(e-signed)
Mr. Motipalli Ramesh
Scientist E
IA - (Industrial Projects - 3 sector)

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

This is a computer generated cover page.

તલાટી કમ મંત્રી
શેરથા ગ્રામ પંચાયત
તા.જી. ગાંધીનગર

ANNEXURE XX

COPY OF ENVIRONMENT STATEMENT

ANNEXURES

GUJARAT POLLUTION CONTROL BOARD e-Xtended Green Node

Returns

Returns List

Year* 2025-2026

Type Of Returns* Annual

Type Of Production* Form-V (Environment Statement)

GO →

Excel PDF Print Column visibility

Search:

Sr No.	GPCB ID	Annual Return Year	Type Of Returns	Type Of Production	Upload Date	Upload
1	16444	2025-2026	Annual	Form-V (Environment Statement)	17/07/2026	View PDF

Showing 1 to 1 of 1 entries

Previous 1 Next

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ISO 50001 BUREAU VERITAS Certification NABCB EnM003

IFFCO
Wholly owned by Cooperatives

ISO 9001:2015 ISO 14001:2015 ISO 45001:2018 BUREAU VERITAS Certification UKAS MANAGEMENT SYSTEMS 0008

INDIAN FARMERS FERTILISER COOPERATIVE LIMITED
KALOL UNIT

P.O. Kasturinagar, Dist: Gandhinagar (North Gujarat)
PIN Code : 382 423 (INDIA)

EPC/02/2504

Date: 17.07.2026

To,

Member secretary,
Gujarat Pollution Control Board,
Paryavaran Bhavan ,Sector -10 A,
Gandhinagar - 382010
Gujarat.

Sub: Environmental Statement as per Form - V (Environmental Audit Report) for the Year 2025 - 2026

Sir,

Please find attached herewith the Environmental Statement (Environmental Audit Report) pertaining to IFFCO Kalol unit for the year ending on 31st March 2026 as per **Form - V.**

This is in accordance with the provision of Rule 14 of the Environmental (Protection) Amendment Rule, 1993 of the Environmental (Protection) Act 1986.

Thanking you,

Yours faithfully
For IFFCO - Kalol Unit

(P K Singh)
Sr. General Manager

Encl: as above

Phone : 079 – 23282005
Email: pksingh@iffco.in
Web site Address: www.iffco.in

FORM – V

From:

Sr. General Manager
IFFCO – Kalol Unit
P .O. Kasturinagar (PIN - 382423)
Dist.: Gandhinagar (Gujarat)

To,

Gujarat Pollution Control Board
"Paryavaran Bhavan",
Sector - 10 A,
GANDHINAGAR – 382010

ENVIRONMENT 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	:	**Shri. P K Singh** **Sr. General Manager & Unit Head** **IFFCO - Kalol**
(ii)	Industry category- Primary- (ST. - Code) Secondary - (SIC Code)	:	**Fertiliser Sector (Nitrogenous)** **IFFCO falls under Co-op. Societies Act.**
(iii)	Production capacity Units (As per EC F. No. J-11011-60 -2009-IA-II(I) dtd 16 04 2024)	:	**a) Urea 6,75,000 MT/Year (100%) max or** **Urea 5,44,500 MT/ Year (100%) & Diesel Exhaust Fluid - 401538 MT/Year # (32.5 % Urea Solution) max or** **Urea 5,44,500 MT/ Year (100%) & Diesel Exhaust Fluid 326250 MT/Year# (40 % Urea Solution) max** **b) Ammonia 4,16,100 MT/Year** **c) Nano Fertilisers @ - 100375 KL/Year **** **Nano Urea (4% to 20% Nitrogen) /** **Nano DAP /** **Nano Micro Nutrients** **(Nano Zinc/ Nano Copper/** **Nano Boron & Nano Sulphur)**
(iv)	Year of commissioning	:	**Ammonia & Urea Plant - January, 1975** **Diesel Exhaust Fluid (DEF) Plant – September, 2019** **Nano Fertiliser Plant - I 01.08.2021** **Nano Fertiliser Plant - II 01.10.2023**
(v)	Date of the last environmental Statement submitted.	:	**24/06/2025**

Depending upon the requirement of urea in the market, there shall be variation in quantity of DEF Production. However, total urea production shall be limited to 675000 MTPA (Max) under all the above combinations.

** Products shall be manufactured in any combination or single product in both plants i.e., Nano I & Nano II on demand basis. However, total capacity of plant will be limited to 100375 KLPA.

Submission of Environmental Statement is in accordance with the provisions of Rule -14 of the Environment (Protection). Amendment Rule ,1993 of the Environment (Protection) Act, 1986 (29 of 1986) published vide Notification dated 22-4-1993 G.S.R. 386 (E) in the gazette of India- Extraordinary part-II Section -3 Subsection (i), No.155 dated 28-4-1993 by the Ministry of Environment and Forests, Government of India; read with the Notification dated 13-3-1993 G.S.R. 329 (E), of the Gazette of India - Extraordinary part - II Section - 3 Subsection(i) No.120 dtd 13-3-1993.

"Every person carrying on an industry, operation or process requiring Consent under section 25 of the Water (Prevention and Control of Pollution) Act, 1974 (6 of 1974) or under section - 21of the Air (Prevention and Control of Pollution) Act, 1981 (14 of 1981) or both authorisation under the Hazardous Waste (Management and Handling) Rules, 1989 issued under the environment(Protection) Act, 1986 (29 of 1986) shall submit an environmental audit report for the financial year ending the 31st March in Form- V to the concerned State Pollution Control Board on or before the thirtieth day of September every year, beginning 1993.

PART – B

Water and Raw material Consumption

(i) Average water Consumption m^3 /day during the year 2025 - 26

Process : 100
Cooling & Boiler feed : 8369
Domestic : 600

Name of products	Process water consumption per unit of product output			
	During the previous Financial year		During the current Financial year	
	2024 – 2025		2025 - 2026	
	CT make up	BF make up	CT make up	BF make up
(1) Ammonia	3.92 m^3	2.63 m^3	3.71 m^3	2.58 m^3
(2) Urea	1.028 m^3	0.57 m^3	0.942 m^3	0.55 m^3

Legend: CT : Cooling Tower BF : Boiler Feed

(ii) Raw material consumption

* Name of raw materials	Name of Product	Consumption of raw material Per unit of output	
		During the previous Financial Year	During the current Financial Year
		2024 – 2025	2025 – 2026
Ammonia:			
(1) RLNG *	Ammonia	856.538 Sm^3/MT	937.872 Sm^3/MT
Urea:			
(1) Ammonia	Urea	570. 529 Kg/MT	570.607 Kg/MT
(2) CO_2	Urea	748.64 Kg/MT	755.58 Kg/MT
(3) RLNG	Urea	87.507 Sm^3/MT	93.873 Sm^3/MT
DEF (32.5%):			
(1) 80% Urea Solution	DEF (32.5%)	NIL	NIL
(2) DM Water	DEF (32.5%)	NIL	NIL

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

* Indicates both feed and fuel

PART - C

Pollution discharged to environment / unit of output
(Parameters as specified in the consent issued)

Pollutants	Quantity of Pollutants discharged (m^3 / day)	Concentration of pollutant discharged (Mass/ volume)	Percentage of variation from Prescribed standards with reasons
(a) Water	991 m^3 /day	Please refer **Annexure - I**	Nil
(b) Air	-	Please refer **Annexure - I**	Nil

PART - D

HAZARDOUS WASTES

[As specified under Hazardous wastes [Management and Handling] Rules, 1989]

Hazardous wastes	Total quantity (MT) Balance	
	During the previous financial year 2024 - 25	During the current financial year 2025 – 26
(a) From process		
1. Spent Catalyst (Generated in Ammonia plant)	35	56#
2. Spent Carbon	15 @	20 @
(b) From pollution control facilities		
1. ETP & MEE Sludge	74	46 *
2. Spent resin	9	9 *

Action has been initiated for E-Auction through M/s M-Junction, Kolkata for sale of spent catalyst.

@ Action has been initiated for its disposal cement industry for coprocessing for which MOU has already been signed.

* Action has been initiated for its disposal at TSDF site of M/s Ecocare Infrastructure Pvt.

PART - E (Solid waste)

Particulars	Total quantity (kg)	
	During the previous financial year 2024 – 25	During the current financial year 2025 - 26
(a) From Process	No solid waste generated from process	
(b) From pollution control facilities	NIL	NIL
(c) (1) Quantity recycled or reutilized within the unit	NA	NA
(2) Sold	NA	NA
(3) Disposed	NA	NA

NA : Not applicable

PART – F

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

Sr. No.	Type of Waste	Disposal Quantity (MT)	Disposal practice
1	ETP & MEE sludge	39.450	Disposed off at TSDF Site of M/s Eco care Infrastructure Pvt Ltd.
2	Spent Catalyst	24.2	Sell to registered and authorized recycler.
3	Spent Carbon	Nil	Disposal at TSDF Site / Co-processing in cement industries.
4	Spent Resin	Nil	Disposed off at TSDF Site of M/s Eco care Infrastructure Pvt Ltd.
5	Used or Spent Oil	14.225	Sold to registered and authorized refiners.
6	Discarded Drums/Barrels (Plastic Drums/Carboy)	20.720	Sold to authorized decontamination facility/ authorized recycler.
7	Bags contaminated with hazardous chemicals / wastes (HDPE Materials)	21.875	Sold to authorized decontamination facility/ authorized recycler.

PART - G

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

By implementation of pollution abatement, resource conservation and energy measures, there is reduction in specific energy consumption per MT of urea, reduction in raw water consumption and effluent generation, improvement in effluent quality, reduction in fuel consumption and there by overall improvement in the environment.

Pollution abatement / Resource conservation measure implemented during the year 2025-26 are as below:

1) Replacement of HP Stripper

Old HP Stripper was in operation since 2002 with tube MOC of SA-213M-UNS S31050 (2 RE69) and Shell MOC of CS. Due to aging and to improve the overall HP system performance, it was planned for replacement of existing HP Stripper with improved design. Same was replaced during annual turn around in April 2025. This has resulted in improvement of CO2 stripping efficiency by 1-2% which has resulted in steam savings ~1 - 1.5 MT/hr. Cost of implementation of this scheme was Rs 3200 Lakhs. This has resulted in saving of 8325 Mkcal annually and 12947 M3 water annually. Net CO_2 reduction due to energy saving is 1924 (CO_2 eq MT).

2) Replacement of FD Fan turbine in BHEL Boiler

Old M/s KKK Germany make FD fan turbine was installed in the Year 1982. It was replaced with high efficient turbine of Kirloskar Make during annual turn around in April 2025. Cost of implementation of this scheme was Rs 450 Lakhs. This has resulted in saving of 2666 Mkcal annually and 4316 M3 water annually. Net CO_2 reduction is 616 due to energy saving is (CO_2 eq MT).

3) Complete Revamping of Cooling Tower cell H-4404 / 1&2

Complete revamp of cooling tower (H - 4404/1 & 2) with upgraded pultruded FRP structural components was carried out during annual turn around in April 2025. Existing fill design (pure splash) was replaced from by mixed fill type. Cost of implementation of this scheme was Rs 492 Lakhs. This has resulted in less maintenance and improved structure reliability of said Cooling towers.

4) Installation of New HP Ammonia Pump in Urea Plant:

New HP Ammonia Pump has been installed in Urea Plant during ATR April - 2025. implementation of above scheme results in improvement in operating reliability and safety of plant staff and Urea Plant.

Measures implemented towards renewable energy sources / Energy conservation during the year 2025 - 26.

- About 682832 KWH of Power was generated by “Solar Energy” (Equivalent to 478 MT CO_2 emission reductions @ 0.7 kg CO_2/KWh).
- To promote use of electric vehicle, Electric vehicle charging station point has been provided in newly constructed residential quarters of IFFCO Township.

PART – H

Additional investment proposal for the year 2026 – 27 towards environmental protection including abatement of Pollution / prevention of Pollution.

Implemented Scheme:

- Due to aging, existing reactor (V-1201) in Urea Plant was replaced in April 2026 at the cost of Rs. 59 crores.

Proposed Scheme:

- **Complete Revamping of Ammonia Cooling Tower (remaining 3 cells) to improve structural reliability and overall performance.** Complete revamp of Ammonia cooling tower remaining will be carried out during F.Y. 2026 - 27 with upgraded pultruded FRP structural components. Existing pure splash type fill design will be replaced with mixed fill type. Cooling tower with upgraded pultruded FRP structure requires less maintenance and improve performance, efficiency and structure reliability. Cost of implementation of this scheme will be Rs. 520 lakhs.

- **Replacement of Mixed Feed Coil (MFC) & HTSS Coil in Convection Zone of Primary Reformer at Ammonia Plant.** It is proposed to replace the MFC and HTSS coils in the convection zone of the Primary Reformer at the Ammonia Plant due to (a) sagging of coils (b) damaged and dislocated intermediate and end tube supports and (c) damaged wall insulation resulting in hot spots and burning of the wall plate. The replacement will improve equipment reliability, enhance operational safety, minimize reformer stack temperature through better heat recovery and reduce fuel consumption. Cost of implementation of this scheme will be Rs. 5500 lakhs.
- **Condensate Polisher Unit at Ammonia Plant.** It is proposed to install a Condensate Polisher Unit (CPU) at the Ammonia Plant to remove impurities from steam condensate before it is returned to the deaerator. This will reduce contaminants such as silica, chlorides, phosphates, sulphates and ammonia thereby improving boiler water quality and minimizing scaling, corrosion, blowdown frequency and boiler tube failures. Cost of implementation of this scheme will be Rs. 225 lakhs.
- **Energy efficient motor.** It is proposed to replace existing motors with energy efficient motors to reduce power consumption and improve overall system efficiency. This will result in lower operating costs, reduced energy losses and improved reliability of plant operations. Cost of replacement old motors with energy efficient motors will be Rs. 50 lakhs.
- **Energy saving scheme to mitigate greenhouse gas emissions**. It is proposed to implement energy saving schemes to reduce overall power and fuel consumption in the plant. This will help mitigate greenhouse gas emissions, improve energy efficiency, and support sustainable and environmentally responsible operations. Cost of implementation of this scheme will be Rs. 40 lakhs.

PART – I

Any other particulars for improving the quality of the environment.

Tree Plantation in the Complex:

32500 numbers of tree saplings of various local species have been planted in the complex till July 2024 and AMC for maintaining the tree saplings was in place in FY 2025-26.

- **Vermicompost system at IFFCO township (Kasturinagar)**

  Domestic waste generated in township is segregated into biodegradable and non biodegradable waste. Bio-degradable materials of about 350 kg/day is converted into vermicompost using earthworms. The nutrient present in the vermicompost is readily soluble in water and thus are very rich sources of macro and micro nutrients. This vermicompost is used as manure in gardening / horticulture within township. Cartons and non biodegradable waste (such as plastic) are disposed off to recyclers.

❖ **500 m^3/day capacity sewage treatment plant at Township**

500 m^3/day capacity Sewage Treatment Plant based on Fluidized Aerobic Bio- technology (FAB) has been installed at township Kasturinagar. Treated water is utilized for the gardening & nursery within the township.

❖ **Rain water harvesting**

In collaboration with Central Ground Water Board, water recharging well of 600 m^3 capacity has been installed for rain water harvesting at IFFCO Township. Almost total rainwater is collected in 700 m^3 capacity sumps and water is percolated in the soil through two tube wells provided. Also, “Rain water harvesting modules” of Approx. 25 m^3 capacity each have been installed at township and near Union office at plant site for harvesting the rain water. Apart from above 2 nos. of rain water harvesting system of single module with internal volume of 0.8 cubic meter (fixed below the ground level) have been implemented at two different locations at township.

The rainwater harvesting system has also been implemented at Nano fertiliser Plant (NFP) at Kalol for collection of water from the PEB structure. “Storm water channel” helps in collecting the water from the PEB structure via drain channel and then the water is collected inside recharge wells. There are 5 nos. of percolation wells with total capacity of 921.28 cum can cater 100% of total run-off volume (872.66 cum) in nano fertilizer plant connected to second aquifer layer through bore of around 180 meters.

❖ **Highlights of Environment / safety performance at IFFCO - Kalol for the year 2025 – 26:**

a) Longest accident - free period of more than 14 years (5382 days - from 9.7.2011 to 31.3.2026) was achieved surpassing the previous record of 2256 days.

b) IFFCO Kalol Unit received Prestigious "Platinum Safety Award- 2025 by National Safety Council of India (NSCI), For Highest Outstanding Performance" in manufacturing sector, for the assessment period of 3 years (2022, 2023 and 2024). IFFCO Kalol Unit has achieved a hat-trick of Platinum Safety Awards, winning the honor for three consecutive years.

IFFCO Kalol Unit is the only organization in India to receive this prestigious award three times consecutively. IFFCO Kalol Unit has created history by becoming the first organization to qualify for this most prestigious award among all the applicant organizations from manufacturing sector which includes all industries in Petroleum, Petrochemical, Chemical, Fertiliser, Pharmaceutical, Steel, Power, Textile, FMCG, Engineering, Cement, Paper Industry sectors.

c) IFFCO Kalol unit is winner of FAI Award for Excellence in Safety for the year 2024 - 25. This recognition is the testament to exceptional safety culture cultivated within organisation over the years, leadership and dedication exhibited by top management, coupled with the collaborative efforts of Kalol Unit employees.

d) IFFCO Kalol Unit has been awarded the Prestigious International Safety Award-2026 (MERIT Award) in Occupational Health and Safety management by British Safety Council (BSC), UK. BSC International Safety Awards recognise and celebrate organisations from around the world which have demonstrated their commitment to preventing workplace injuries and work-related ill health during the year. IFFCO Kalol has achieved this prestigious international recognition for second consecutive time.

e) One employee of Nano Fertiliser Plant, Kalol Unit has been awarded the prestigious "Rajya Shram Ratna Award" for the year 2024 - 25 by the Ministry of Labour, Employment & Skill Development, Government of Gujarat.

f) IFFCO Kalol Unit has received the prestigious "IFA Protect and Sustain" certification, recognizing excellence across the supply chain from sourcing to secure fertilizer distribution. Six areas were examined under P&S programme: Management System, Product Development and Planning, Sourcing and Contractor Management, Manufacturing Techniques, Supply Chain to Customer, as well as Marketing, Sales and Application.

❖ **IMS for IFFCO Kalol Unit:**

Certified for Integrated Management System (IMS) consisting of Quality Management System (ISO 9001:2015), Environment Management System (ISO 14001:2015) and Occupational Health and Safety Management System (ISO 45001:2018) by Bureau Veritas (India) Pvt Ltd and it is valid upto 4th April 2028.

❖ **ISO 50001:2018 for IFFCO Kalol Unit:**

Certified for Energy Management System (ISO 50001:2018) by Bureau Veritas (India) Pvt Ltd and the certification is valid till 22nd March 2027.

❖ **ISO 14001 & IGBC Rating for Township:**

IFFCO Kalol township is certified for its Environment Management System (ISO 14001:2015) by Bureau Veritas (India) Pvt Ltd and the certification is valid up to 1.06.2028. Also, Kasturinagar is certified under Green Residential Society Rating System of Indian Green Building Council (IGBC), Hyderabad with Platinum category.

(Signature of official carrying out an industry, operation or process)

(P K Singh)
Sr. General Manager, IFFCO Kalol

Date: 17/07/2026

Annexure - I

Liquid effluent : Final treated effluent

Location of sampling point : Outlet of Effluent Treatment Plant (ETP)

Report for the period : April - 2025 to March - 2026

Sr. No.	Parameters	Unit	Permissible limit	Yearly Average Apr - 25 to Mar – 26
1	pH	--	6.5 to 8.5	6.9 - 8.4
2	Temperature	deg C	40	24
3	Colour (Pt.co. scale)	units	100	22
4	Suspended Solids	mg/l	100	17
5	Oil and Grease	mg/l	10	Traces
6	Fluorides	mg/l	1.5	0.3
7	Ammonical Nitrogen	mg/l	50	11
8	Total Chromium	mg/l	2	ND
9	Hexavelent Chromium	mg/l	0.1	ND
10	Copper	mg/l	3	0.01
11	Nickel	mg/l	3	ND
12	Zinc	mg/l	5	0.18
13	B.O.D (5 days at 20 ^{0} C)	mg/l	30	12.5
14	C.O.D	mg/l	100	41
15	Chlorides	mg/l	600	263
16	Sulphates	mg/l	1000	95
17	Total dissolved Solids	mg/l	2100	682
18	Sodium absorption ratio	-	26	2.23
19	Free Ammonia	mg/l	5	0.39
20	Total Kjeldahl Nitrogen	mg/l	75	17
21	Nitrate (NO_3 – N)	mg/l	20	6.02
22	Sulphide	mg/l	2	ND
23	Cyanide	mg/l	0.1	ND
24	Iron	mg/l	3	ND
25	Manganese	mg/l	2	ND
26	Arsenic	mg/l	0.2	ND
28	Phenolic Compound	mg/l	1	ND
27	Bio Assay	--	90% survival of fish after 96 hrs in 100 % effluent	90- 95% survival of fish after 96 hrs in 100 % effluent

Note: Treated effluent is used for Horticulture / Gardening/ Green belt development within the IFFCO Kalol.

ND: Not detectable

STACK / PROCESS EMISSION ANALYSIS REPORT

FOR THE PERIOD APRIL - 2025 to MARCH - 2026

Analysis report of various emissions

Sr. No.	Emission points	Pollutant	Units	Concentration	GPCB Limit
1	Urea plant Prill tower exhaust	Particulate Matter	mg/Nm^3	85	150
2	Ammonia scrubber in urea plant (V- 1207)	Ammonia (gaseous)	mg/Nm^3	34.7	175
3	Primary Reformer and auxiliary boiler furnace stack	PM SO_x NO_x	mg/Nm^3 ppm ppm	12.5 5.6 6.9	150 100 50
4	Boiler (BHEL)	PM SO_x NO_x	mg/Nm^3 ppm ppm	11.7 4.6 6.9	150 100 50

ANNEXURE XXI A & B

COPY OF NEWSPAPER ADVERTISEMENT

ANNEXURES

SALUTE THE SOLDIER



Shaheed Head Constable Sukhvinder Singh
122-BN
2-7-1961 To 28-7-2000
Madhya Pradesh

Central Reserve Police Force
JAMMU & KASHMIR
28 July 2000

On July 28, 2000, 122 Battalion of CRPF was deployed in Jammu and Kashmir to counter militant activities. Shaheed HC Sukhvinder Singh was on duty for Law and Order during the Hursani Majlis in Alamgiri Bazar, Zadibal, Srinagar. At approximately 1405 hrs, unidentified militants hurled a grenade at the patrolling party, gravely injuring HC Sukhvinder Singh. Despite his injuries, Shaheed HC Sukhvinder Singh retaliated, forcing the militants to retreat. He succumbed to his injuries on the battlefield. His courageous actions exemplify the highest standards of bravery, leadership, and selfless devotion in the traditions of CRPF.



Shaheed Constable Aji Kumar R.
65-BN
24-3-1977 To 28-7-2004
Kerala

Central Reserve Police Force
JAMMU & KASHMIR
27 July 2004

On 27 July 2004, two fidayeen infiltrated the camp of a company of the 65th Battalion of CRPF at Levard Hotel, PS Dalgate, district Srinagar, through the window of an adjacent medical shop. Once inside, they opened fire and lobbed grenades at the personnel. The sentry at the gate retaliated but was martyred. A brave trooper took immense risk, ran towards one of the militants, and killed him. However, the second fidayeen locked himself inside the hotel. More troops arrived and cordoned off the building. During a tactical assault, Constable Aji Kumar R reached the room where the terrorist was hiding. Despite being injured when the terrorist fired back, Constable Aji Kumar R continued to fight. A grenade was thrown into the room, and after half an hour, Constable Aji Kumar R managed to kill the terrorist but he succumbed to his injuries on 28th July and attained martyrdom. In this encounter, five bravehearts were martyred. For his conspicuous bravery and unflinching gallantry, Shaheed Constable Aji Kumar R was posthumously awarded the President's Police Medal for Gallantry. The nation will forever remain indebted to these bravehearts and their families.



Shaheed Constable K. Mani
75-BN
1-3-1962 To 28-7-1990
Tamil Nadu

Central Reserve Police Force
PUNJAB
28 July 1990

On July 28, 1990, 75 Battalion of CRPF was deployed in Tarn Taran district, Punjab, for anti-terrorist operations. A platoon was assigned to comb the village of Jhabal Mannan. As they laid a cordon around the village, terrorists hiding in a field opened fire. The platoon immediately took positions and returned fire. Despite the intermittent exchange of fire, the terrorists managed to escape under the cover of the fields. Constable K. Mani and Constable Brahmeshwar Singh sustained bullet injuries during the encounter. Constable K. Mani was martyred the same day, while Constable Brahmeshwar Singh succumbed to his injuries on August 1, attaining martyrdom.

IFFCO

Wholly owned by Cooperatives

INDIAN FARMERS FERTILISER COOPERATIVE LIMITED
KALOL UNIT

Sub : Environment Clearance for Expansion of existing fertilizer plant for manufacturing of Nano fertilizer and Nano micronutrients at IFFCO-Kalol unit

Kalol Unit of Indian Farmers Fertiliser Cooperative Limited (IFFCO) has ammonia-urea and Nano Fertiliser complex at Plot no. 712/846, 855, 856 of Saij, 17-37 of Dhanej, Kasturi Nagar, Kalol, District Gandhinagar, Gujarat. Project related to "Expansion and Modernization of existing Fertiliser plant for manufacturing of Nano Fertiliser and Nano Micronutrients" considering Nano urea (4% to 20% nitrogen content) in the existing facilities with change in product formulations & raw materials mix has been accorded Environmental Clearance vide F.No J.11011/60/2009-IA-II(I) and EC Identification No. EC24A1904GJ5656091N dated 16th April 2024 by the Ministry of Environment, Forest & Climate Change, Govt of India. Copy of the clearance letter is available with the SPCB/MoEF&CC and may also be seen at Website of the Ministry at https:// parivesh. nic.in

Sandeep Ghosh
General Manager
IFFCO Kalol Unit, P.O. Kasturinagar,
Dist: Gandhinagar, Gujarat - 382423,Phone: 079-23282005
Email: sandeepghosh@iffco.in Website Address: www.iffco.in

WESTERN RAILWAY - AHMEDABAD

PUBLIC NOTICE

It is informed that the inspection by Commissioner Railway Safety would be carried out on the newly laid double line between Dharewada-Kamli section in connection with Mehsana-Palanpur Broad Gauge Doubling Project on **29-07-2024. "Trial Run"** will also be done on 29-07-2024. **General public are requested to keep away from Railway Track. Crossing of Railway Track or movement near Railway Track can be fatal and would be unauthorized.**

Dy. Chief Engineer/C/III,
Western Railway,
Ahmedabad.

CPM-028

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GUJARAT STATE ELECTRICITY CORPORATION LIMITED

GSECL

Bhavnagar Lignite Thermal Power Station,
At & PO: Padva, Ta : Ghogha, Dist : Bhavnagar-364050
Ph. 0278-2931375 / 0278-2931175,
e-mail: cebltps.gsecl@gebmail.com, Website: www.gsecl.in
CIN: U40100GJ1993SGC019988

E-TENDER NOTICE NO. 82/BLTPS/2024

Chief Engineer (Gen), Gujarat State Electricity Corporation Limited, Bhavnagar Lignite Thermal Power Station invites following E-Tenders:

E-Tenders (On-Line Tenders): (1) Supply of Transmission chain and Drive sprockets for Lignit Transport Feeders for Boiler Unit 1 and Unit 2 at BLTPS GSECL. (Tender ID- 89975). (2) Supply of various spare for Reversible Impact Hammer Type Crusher Model: RHM2028 at Lignite Handling Plant, BLTPS.(Tender ID- 89985). (3) Supply of Exide make Battery cell at GSECL, BLTPS padva-Bhavnagar. (Tender ID- 89992). (4) Supply of 2500 KVA Dry type transformer at GSECL,

KIRAN SYNTEX LIMITED

Registered Office 1/324 Popat Street, Nanpura Surat 395001
Email :kiransyntex@rediffmail.com CIN :L17110GJ1986PLC009099

Extract of Un-Audited Financial Result for Period Ended 30/06/2024

Particulars	Quarter Ended 30/06/2024	Year Ended 31/03/2024	Quarter Ended 30/06/2023
			Rs. In Lakhs
Total income from operations	0.00	0.00	0.00
Net Profit / (Loss) for the period (before Tax, Exceptional and/or Extraordinary items)	-4.36	-8.87	-4.22
Net Profit / (Loss) for the period before tax (after Exceptional and/or Extraordinary items)	-4.36	-8.87	-4.22
Net Profit / (Loss) for the period after tax (after Exceptional and/or Extraordinary items)	-4.36	-8.87	-4.22
Total Comprehensive Income for the period [Comprising Profit / (Loss) for the period (after tax) and Other Comprehensive Income (after tax)]	-4.36	-8.87	-4.22
Equity Share Capital	423.64	423.64	423.64
Reserves (excluding Revaluation Reserve) as shown in the Audited Balance Sheet of the previous year	–	–	-218.45
Earnings Per Share (of Rs. 10/- each) (for continuing and discontinued operations)			
1. Basic:	0.00	0.00	0.00
2. Diluted:	0.00	0.00	0.00

Note: The above is an extract of the detailed format of un-audited Financial Results filed with the Stock Exchanges under Regulation 33 of the SEBI (Listing and Other Disclosure Requirements) Regulations, 2015. The full format of the un-audited Financial Results are available on the websites of the Stock Exchange at http://www.bseindia.com and the listed entity at http://www.kiransyntex.com

For Kiran Syntex Limited
Sd/-
Maheshkumar Motiram Godiwala
Managing Director
(DIN: 01779079)

Place: Surat
Date: 26/07/2024

WESTERN RAILWAY - RAJKOT DIVISION

SIGNALING WORK

E-Tender Notice No. DRM-RJT-24-25-SnT-E-01R1. Dt.22-07-2024 **Tender No. DRM-RJT-24-25-SnT-E-01R1. Dt.22-07-2024. Name of Work:** Rajkot Division - Signalling Work in connection with Providing LHS/RUB at LC No.169, 174, 231, 254, 267 and 272 under DEN (W) - Rajkot jurisdiction. **Tender Cost:** ₹ 83,24,529.57 (Rs. Eighty Three Lakh Twenty Four Thousand Five Hundred Twenty Nine and Fifty Seven Paisa Only) **Earnest Money Deposit:** ₹ 1,66,500/- (Rs. One Lakh Sixty Six Thousand Five Hundred Only) **Tender Form Fee:** ₹ 00.00 As per Para-3, GCC-July-2022 **Last Date and Time for online apply:** on Date 21-08-2024 up to 15:30 hours. **Address of the Office:** Divisional Railway Manager (S&T), Western Railway, Kothi Compound, Rajkot-360 001. Website particular: **www.ireps.gov.in** RJT-066

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WESTERN RAILWAY - VADODARA DIVISION

VARIOUS ELECTRICAL WORKS

Notice Inviting Tender
EL/50/1/17 (24-25) Dt.24-07-2024

Divisional Railway Manager (Elect), Western Railway, Vadodara Division for and on behalf of the president of India, invites E-Tender on Indian Railways website www.ireps.gov.in from experienced and reliable contractors for the following works :- **Sr. No.1: Tender No.** BRC-EL-P-18-2339-24-25. **Name of work:** Vadodara Division : Setting up

WESTERN RAILWAY-AHMEDABAD

CONSTRUCTION OF NEW LINE

E-Tender Notice No. DYCEC2ADIBHNDHOLERA1 **(TWO PACKET).** Deputy Chief Engineer (Construction)-II, Western Railway, Ahmedabad for and on behalf of President of Union of India invites E-Tender for the following work: **(1) Name of work with its location:** Construction of New Line between Bhimnath from ch.: 0.00 m (existing Km from ADI:144.508) including Ch. - 1084.342 m to Dholera Logistic Hub up to Ch.:21510.869 m including Y connection at Bhimnath, covering all Civil Engineering works (i.e. Earthwork, Blanketing, Side Drains, Retaining Wall, Trolley Refuges, Construction of All Major/Minor Bridges, RUBs/LHS, Complete Track works (lying and linking), Tamping of Track, Destressing of LWRs, Transportation of P.way Materials, Supply and stacking of Ballast and Other Civil Engineering works (complete work) of Bhavnagar Division on Western Railway. (TWO PACKET) **(2) Approximate Cost of Work:** ₹ 252,19,60,179.17/- **(3) Earnest money to be deposited:** ₹ 100,00,000.00/- **(4) Tender form fees:** Nil **(5) Completion period of work:** 24 months (Twenty Four Months) including monsoon. **(6) Date and submission of bid:** 17-08-2024 upto 11:00 Hrs. **(7) Website particulars Notice Board location where complete details of tender can be seen and address of the office: Website: www.ireps.gov.in** Office of Dy.Chief Engineer (Construction)II, Western Railway, 2nd Floor, 'C' Wing, Nirman Bhavan, Nr. DRM office, Asarva, Ahmedabad-382 345.

CPM-029

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JAIPUR DEVELOPMENT AUTHORITY

Indira Circle, Jawahar Lal Nehru Marg, Jaipur-302004

No.: JDA/Est./Actt./2024-25/D-534 Date : 26.07.2024

NOTICE INVITING BID

Short Term NIB No.: DC(Admn)-03/2024-25

Online Bids are invited for Providing service of Various Types of Labourersie Supervisor (Highly Skilled), Security Men (skilled), IVth Class/Chaprasi (Unskilled Labour) Services. Estimated yearly cost of which is Rs. 17.00 Crore, UBN No No. JDA2425SLOB00193. The last date for Applying Bid and making online payment on JDA portal is up-to 05:00 PM of 02.08.2024 Details may be seen in the Bidding Document at our Office or the State Public Procurement Portal website www.sppp.rajasthan.gov.in, www.eproc.rajasthan.gov.in and www.jda.rajasthan.gov.in.

To participate in the bid, bidder has to be :-

1. Registered on JDA website www.jda.rajasthan.gov.in for participating in the Bid, the Bidder has to apply for the Bid and pay the Bidding Document Fee, RISL Processing Fee, Bid Security Online only.
2. Registered on e-Procurement Portal of Government of Rajasthan www.eproc.rajasthan.gov.in for online e-Bid submission.

Raj.Samwad/C/24/2920 **Deputy Commissioner (Admn)**

matrimonials



CAST NO BAR

SUITABLE Match for Handsome Yadav Boy 30/185, IT Engineer in MNC, Income 30 LPA, Seeking Educated Hindu Girl, No dowry, Caste No Bar. Contact: 9886253418.



KHATRIS/ARORAS

SUITABLE MATCH FOR ARORA KHATRI GIRL, 27/5'3" FAIR COMPLEXION, PR AUSTRALIA, SETTLAD IN MELBOURNE REGISTRED NURSE, EARNING AUF$ ONE LAKH PLUS, CASTE NO



એસજી હાઈવે પર એટીએસ કટ પાસે હિટ એન્ડ રન, યુવકનું મોત

હાટકેશ્વરમાં રિક્ષાની ટક્કરે સિનિયર સિટીઝનનું મૃત્યુ, રિક્ષાચાલક જ હોસ્પિટલ પહોંચાડ્યા બાદ ભાગી ગયો

ડાઘ રિપોર્ટર | અમદાવાદ

હાટકેશ્વર બ્રિજ નીચે અને એસજી હાઈવે પર અકસ્માતના બે બનાવોમાં 60 વર્ષીય વ્યક્તિ સહિત બેનાં મોત નીપજ્યાં હતાં. હાટકેશ્વર બ્રિજ પાસે રોડ ક્રોસ કરી રહેલા સિનિયર સિટીઝનને રિક્ષાએ ટક્કર મારી હતી. જ્યારે એસજી હાઈવે પર એટીએસ કટ પાસેથી રોડ ક્રોસ કરી રહેલા પુરુષનું પિકઅપ વાનની ટક્કરથી મોત નીપજ્યું હતું. બંને અકસ્માત મામલે ટ્રાફિક પોલીસે ગુનો નોંધી તપાસ શરૂ કરી છે.

અમરાઈવાડીની ભક્તિ પોળમાં રહેતા 60 વર્ષીય પ્રકાશભાઈ ડીગે છૂટક મજૂરી કામ કરતા હતા. ગત 19 તારીખે સવારના સમયે કામ અર્થે તેઓ હાટકેશ્વર બ્રિજ નીચે ગયા હતા. જ્યાંથી તેઓ ચાલતા રોડ ક્રોસ કરી રહ્યા હતા, તે સમયે પૂરપાટ ઝડપે આવેલી એક રિક્ષાએ પ્રકાશભાઈને ટક્કર મારી હતી. જેના કારણે પ્રકાશભાઈ જમીન પર પટકાયા હતા અને ગંભીર રીતે ઈજાગ્રસ્ત થયા હતા. આ ઘટનાથી આસપાસના લોકો ભેગા થઈ જતા અકસ્માત કરનારો રિક્ષાચાલક જ પ્રકાશભાઈને સારવાર માટે હોસ્પિટલ લઈ ગયો હતો અને ત્યાંથી ફરાર થઈ ગયો હતો. બીજી બાજુ 6 દિવસની સારવાર બાદ ફરજ પરના ડોક્ટરે પ્રકાશભાઈને મૃત જાહેર કર્યા હતા. આ મામલે આઈ ડિવિઝન ટ્રાફિક પોલીસે અકસ્માત કરનારા રિક્ષાચાલક સામે ગુનો નોંધી તેની શોધખોળ હાથ ધરી છે.

જ્યારે બીજી ઘટનામાં યુવક શુક્રવારે રાત્રીના સમયે વેજલપુરથી ગોતા તરફ જતા એસજી હાઈવે રોડ પર એટીએસ કટની સામેથી રોડ ક્રોસ કરી રહ્યો હતો તે સમયે ઓવરસ્પીડમાં આવેલી એક પિકઅપ વાને પુરુષને ટક્કર મારી હતી, જેથી હવામાં ફંગોળાઈને તે જમીન પર પટકાતાં ઈજાગ્રસ્ત થયા હતા. તેનું પણ હોસ્પિટલમાં ટૂંકી સારવાર બાદ મોત નીપજ્યું હતું. આ મામલે એસજી હાઈવે ટ્રાફિક પોલીસે ફરાર પિકઅપવાન ચાલક સામે ગુનો નોંધી તેની શોધખોળ હાથ ધરી છે. તો બીજી બાજુ મૃતકની ઓળખ કરવાની પણ કાર્યવાહી શરૂ કરાઈ છે.

GUJARAT GAS
ઓફિસ ભાડે આપવાની છે
1. પરિમલ ગાર્ડન પાસે - 10252 S.F.
2. આશ્રમ માર્ગ, ગુજરાત પાસે 9650 S.F.
વધુ વિગતો/RFP માટે ઇચ્છુકોએ ઈમેલ કરો www.gujaratgas.com/EOI.
ઓફર તેમના ક્વોલિફાઇડ દ્વારા પણ મોકલી કરી શકે છે

દિવ્ય ભાસ્કર
પાર્ટ ટાઇમ કામ કરવાની તક
ગુજરાતના અગ્રણી અખબાર
દિવ્ય ભાસ્કરના વિતરણ માટે
(વોર્ડ બોય) ઉત્સાહી યુવકોની જરૂર છે.
સવારે 5થી 7ના સમયગાળામાં કામ કરીને
કમાણી કરવા ઇચ્છતા યુવકો માટે ઉત્તમ તક
QR સ્કેન કરો અને
જરૂરી વિગતો ભરો >

ન્યૂ રાણીપમાં સંગીતા મોબાઈલ શોપની ઘટના

મોબાઈલ શોપનો મેનેજર જ 6 ફોન સહિત 4 લાખ ચોરી ગયો

ડાઘ રિપોર્ટર | અમદાવાદ

નોબલનગર નટવરનગરમાં રહેતા નરેશભાઈ પ્રકાશભાઈ કાપડો(30) સાત વર્ષથી એલિસબ્રિજ દેવનંદન કોમ્પલેક્સમાં આવેલી સંગીતા મોબાઈલમાં સેલ્સ મેનેજર તરીકે નોકરી કરે છે. નરેશભાઈ અમદાવાદ જિલ્લામાં આવેલી સંગીતા મોબાઈલના 20 શો રૂમનું સેલ્સ ડેવલપમેન્ટનું કામ કરે છે. ન્યૂ રાણીપ મેગ્નેટ સ્કવેરમાં આવેલી સંગીતા મોબાઈલમાં મેનેજર તરીકે નોકરી કરતા વિરલકુમાર બાબુભાઈ ચૌહાણ (મોનાર્ક ફ્લોન, ફ્રુંડલા)એ દુકાનમાંથી 3.4.05 લાખની કિંમતના 6 મોબાઈલ ફોન અને રોકડા રૂ.34,797 મળીને કુલ રૂ.4.40 લાખની ચોરી કરી હતી. આ અંગે નરેશભાઈ કાપડોએ ચાંદખેડા પોલીસ સ્ટેશનમાં વિરલભાઈ ચૌહાણ વિરુદ્ધ ફરિયાદ નોંધાવતા પોલીસે ગુનો નોંધી તપાસ શરૂ કરી હતી.

જાહેરમાં ડ્રગ્ઝ વેચતા એસઓજીએ ઝડપ્યો

વટવામાંથી 15 ગ્રામ એમડી ડ્રગ્સ સાથે એકની ધરપકડ

ડાઘ રિપોર્ટર | અમદાવાદ

વટવા વિસ્તારમાં આવેલી અલીકનગર મુસ્તુફા મસ્જિદની સામે રહેતો શાહનવાઝ ઉર્ફે શાનુ મકબુલ અહેમદ શેખ (ઉ.29) અલીકનગર જાવેદ પાર્કના નાકે જાહેરમાં એમડી ડ્રગ્સ વેચતો હોવાની બાતમીના આધારે એસઓજીની ટીમે દરોડો પાડ્યો હતો. દરમિયાનમાં ત્યાંથી 15 ગ્રામ (કિંમત રૂ.1.48 લાખ)ના એમડી ડ્રગ્સ સાથે શાહનવાઝ પકડાયો હતો.

પોલીસે શાહનવાઝની પૂછપરછ કરતા તે એમડી ડ્રગ્સ વટવામાં ગોડાઉન સિનેમા પાછળ નૂરનગર સોસાયટીમાં રહેતા સરફરાજખાન કુદરતખાન પઠાણ પાસેથી લાવતો હોવાનું કબૂલ્યું હતું. જેના આધારે પોલીસે સરફરાજખાન પઠાણને પકડવા

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ઇફ્કો કિસાન સેઝ લિમિટેડ
કલોલ એકમ
ટેન્ડર નોટિસ - કલોલ એકમ માટે એન્જે માતર અને એની મુખ્ય પોપ્યુલેશનના ઉત્પાદન માટે ક્રાફ્ટ ના માતાનો પાલન નિકાલ અને આધુનિકીકરણ માટે પર્યાવરણીય મંજૂરી
ઇફ્કો કલોલ એકમ પ્લોટ નં. ૩૧૨૯૮૪૦, ૮૫૫, ૮૫૬ સર્વિ. ૧૩૩૦ ફાજણ, કન્ટુનિનગર, કલોલ, જિલ્લો - ગાંધીનગર, ગુજરાત અને પ્રોમોનિયા-યુરિયા અને એની ખાતાનું ઘંડુલ ધારોલ છે. "મેસર્સ ખાતર પાઝનું એની ખાતર અને એની મુખ્ય-પોપ્યુલેશનોના ખાતરના ઉત્પાદન માટે એની ક્ષમતા (૪૫ લી ટન ગાંધીજીનની પ્રમાણ) પોઝર ઇમ્પ્રુવિમેન્ટ અને કરવા માટના મિશ્રણમાં ફેરફાર કરી વર્તમાન ગતિવિધિઓમાં આધુનિકરણ અને વિસ્તરણ ઇચ્છીત યોજના" ને પર્યાવરણ, વન અને આબોહવા પરિવર્તન મંત્રાલય, ભારત સરકાર ના દ્વારા પર્યાવરણીય મંજૂરી F. No. J-11011/80/2008-IA-II(I) અને ઓથોરિટ નંબર EC24A1804GJ5859091N તારીખ ૧૬/૦૪/૨૦૨૪ આપવામાં આવેલ છે. પર્યાવરણીય મંજૂરી પત્રની નકલ SPCBM.eEFACC પર પણ અને મંત્રાલય ની વેબસાઇટ https://parivesh.nic.in પર પણ ઉપલબ્ધ છે.
સંદીપ ઘોષ
જનરલ મેનેજર, ઓફિ કલોલ એકમ, પોસ્ટ- કન્ટુનિનગર, જિલ્લો - ગાંધીનગર, ગુજરાત - ૩૮૨૭૨૩, ફોન નંબર: ૦૨૮ - ૨૩૬૮૧૦૦૧, ઇમેલ: sandeepghosh@iffco.in વેબસાઇટ: www.iffco.in

VAPI GREEN ENVIRO LIMITED
TENDER NOTICE
Tender for Supply and Installation of 80 KW Solar Panel for Electric Power Generation at Centre of Excellence (A div of Vapi Green Enviro Limited), Vapi. Please visit www.vgelvapi.com for Tender document or e-mail to dgm.purchase@vgelvapi.com or call 9714000828.

SBI ભારતીય સ્ટેટ બેંક
સ્ટ્રેસ્ડ એસેટ્સ મેનેજમેન્ટ શાખા (૦૪૧૦૦) : પરમણિણી કોમ્પલેક્સ, બીજો માળ, વી. એસ. હોસ્પિટલ સામે, એલીસબ્રીજ, અમદાવાદ - ૩૮૦૦૦૬, ● ફોન: ૦૭૯-૨૬૫૮૦૯૫૫ / ૦૭૯-૨૬૫૮૧૦૬૧
● ઇમેલ : sbi.04199@sbi.co.in, અધિકૃત અધિકારીની વિગતો માટે : શ્રી જીતેન્દ્ર વી ચાવડ, (મો): ૭૬૦૦૨૮૯૦૪૩
પરિશિષ્ટ-IV-A — સ્થાવર મિલકતોના વેચાણ માટે ઈ ઉરાજુ વેચાણ નોટીસ (નિયમ ૮(૬) / બીજાવાળી જુઓ)
સિક્યુરિટાઈઝેશન એન્ડ રીકન્સ્ટ્રક્શન ઓફ ફાઈનાન્શિયલ એસેટ્સ એન્ડ એન્ફોર્સમેન્ટ ઓફ સિક્યોરીટી ઈન્ટરેસ્ટ એક્ટ, ૨૦૦૨ ના નિયમ ૮(૬) ની જોગવાઈ અંતર્ગત સિક્યોરીટી ઈન્ટરેસ્ટ (એન્ફોર્સમેન્ટ) નિયમ - ૨૦૦૨ હેઠળ બેંકનાં નિમ્ને મુજબ સ્થાવર મિલકતોના વેચાણ માટે ઈ-ઉરાજુ વેચાણ નોટીસ
મહેમદાવાદ (ખેડા - ગુજરાત) ખાતે શનિવાર ૩૮ ઓગષ્ટ ૨૦૨૪ ના રોજ ૧૨:૦૦ થી ૧૩:૦૦ સુધી.
આથી ખાસ કરીને ઋણકર્તા અને જામીનદારોને નોટીસ આપવામાં આવે છે કે નીચે જણાવેલી સ્થાવર મિલકતો જે બેંકના બોજિંગ / ચાર્જ માં મુકેલ છે. સાંકેતીક કબ્જા બેંકના અધિકૃત અધિકારીઓએ નીચે આપેલ મિલકતોની સાંકેતિક કબ્જો કરી લીધેલ છે. નીચે જણાવેલ ખાતાઓમાં બેંકની નીચેની તારીખ મુજબ રકમ બાકી ઉપરાંતનું વ્યાજ તે ખર્ચ ની રકમ ચુકવવા માટે ઋણકર્તા અને જામીનદારોનું ધ્યાન દોરવામાં આવે છે. મુકરર કરેલ તારીખ સુધીમાં બાકી રકમ ચુકવવામાં નિષ્ફળ જશે તો મિલકતોનું ઈ-ઉરાજુ વેચાણ કરવામાં આવશ

tions and respond to Virupakshappa's plea. He was able to persuade the CJI-led bench for urgent listing and was permitted to mention it before a bench headed by Justice Sanjay K Kaul. But Justice Kaul posted the petition on Wednesday.

raid, in which the MLA's son, Prashanth Madal, was caught red-handed accepting a bribe of Rs 40 lakh by Lokayukta police. In the subsequent searches, the Lokayukta police had seized Rs 1.62 crore from Madal's office and an additional Rs 6.1 crore from his residence.

It also said that "the governor may, as soon as possible after the presentation to him of the bill, return it if it is not a money bill together with a message requesting that the House or Houses will reconsider the bill or any specified provision thereof..."

HC scraps rehiring of VCs during Bengal govt spat with Dhankhar

Kolkata: The Calcutta HC struck down Tuesday the Bengal government's reappointment of VCs for 31 state-run universities during its two-year standoff with former governor and chancellor Jagdeep Dhankhar. The state had used the "removal of difficulty" clause in the state statutes to rehire the VCs and give extensions. The HC ruled that once the power "to reappoint or extend the tenure" was given to the chancellor, it "cannot be usurped by the state under removal of difficulty clause".

RECRUITMENT FOR NON-FACULTY POSITIONS

Indian Institute of Science Education and Research (IISER) Mohali, an Institute of National Importance, invites applications from suitable Indian nationals for appointment of various non-faculty vacant posts on regular basis. Last date for submission of application form is 04-04-2023 up to 05:30 PM.

For details regarding educational qualifications, experience, general conditions etc. please visit Institute's website www.iisermohali.ac.in

If there is any corrigendum/addendum/cancellation notice, it shall only be published on Institute's website.

Registrar

ESI-PGIMSR & ESIC MEDICAL COLLEGE, JOKA
(A statutory body under Ministry of Labour & Employment, Govt. of India)
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INDIAN FARMERS FERTILISER COOPERATIVE LIMITED
KALOL UNIT

Notification as per the directive of MOEF&CC (I.A.Division)

Sub : Environment Clearance for Expansion of existing fertiliser plant for manufacturing of Nano fertiliser and Nano micro nutrients at IFFCO-Kalol unit

Kalol Unit of Indian Farmers Fertiliser Cooperative Limited (IFFCO) has Ammonia-Urea and Nano Fertiliser Complex at Plot no. 712/846, 855, 856 of Saij, 17-37 of Dhanaj, P.O.:Kasturinagar, Kalol, District Gandhinagar, Gujarat. Project related to "Expansion of the existing Fertiliser Plant for manufacturing of Nano Fertilisers and Nano micronutrients" by IFFCO-Kalol Unit has been accorded Environmental Clearance vide Proposal number IA/GJ/IND3/412440/2022 dated 21st Feb 2023 and F.No.: J-11011/60/2009-IA-II(I) dated 7th March 2023 by the Ministry of Environment, Forest & Climate Change, Govt of India. Copies of the clearance letter are available with the SPCB/MoEF&CC and may also be seen at Website of the Ministry at https://parivesh.nic.in

D. G. Inamdar
Director (Kalol & Nano Fertiliser)
IFFCO Kalol Unit, P.O. Kasturinagar,
Dist: Gandhinagar, Gujarat - 382423
Phone: 079-23282005, 23282003

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માણસાના ... બનાવી



...નાટક અકાદમીના આર્થિક ...ભાના સહયોગથી ઉષા ...યોજવામાં આવ્યો હતો. ...રૂપે મહિલા ગાયકો દ્વારા ...ઘર આવી કે નન્હી પરી, ... તેરી ચુનરિયા લહેરાઈ

...ટાર્ટઅપ એન્ડ ...ર્યક્રમ યોજાયો



ગાંધીનગર| ભારતની આઝાદીના... 1930ના રોજ મહાત્મા ગાંધીએ... વિરોધમાં સત્યાગ્રહ કર્યો હતો. જે... દ્વારા બાઇક રેલીનુ આયોજન કરાયુ... કુટિર સુધી યોજવામાં આવી હતી.

સેક્ટર 7 કોલેજમાં ... વિષય પર સેમિનાર...





ગાંધીનગર| 15 માર્ચ વિશ્વ ગ્રાહક... ત્યારે સેક્ટર 7 કોલેજમાં સ્વ... સશક્તિકરણ વિષય પર સેમિ... વોલેન્ટરીયસ અનિલ કક્કડ દ્વારા ... આવી હતી.

...સાયન્સ કોલેજ ખાતે ...પોલીસીની જાણકારી ...આવ્યો હતો. જેમાં ...સએચએ કમિટી દ્વારા ...ન્ટરપ્રિન્યોરશિપ એન્ડ ...યુનિવર્સિટીનાં સીઈઓ

ધાનેરા પાલિકામાં સર્વર ડાઉન રહેતા



કલોલ | કલોલ ભાજપ પરીવાર દ્વારા વખારીયા સ્કૂલ ખાતે ગુજરાત માધ્યમિક અને ઉચ્ચતર માધ્યમિક શિક્ષણ બોર્ડ ધોરણ 10 અને 12 ની પરીક્ષા આપવા જઈ રહેલા તમામ ઊર્જાવાન પરીક્ષાર્થીઓને પેન તથા પુષ્પગુચ્છ આપી જ્વલંત સફળતા મેળવવા સ્નેહસભર શુભેચ્છાઓ પાઠવી તેમનો ઉત્સાહ વધાર્યો હતો.

રાણપુર તાલુકાની નાની વાવડી ગામે નિ:શુલ્ક સર્વ રોગ નિદાન કેમ્પ યોજાયો



બોટાદ | રાણપુર તાલુકાના નાની વાવડી ગામે સહકારી મંડળીના ગોડાઉનમાં ગ્રામ પંચાયત તેમજ સહકારી મંડળીના સંયુક્ત ઉપક્રમે નિ:શુલ્ક સર્વ રોગ નિદાન કેમ્પ યોજાયો હતો. જેમાં ડોક્ટર જ્યેશ અણીયાળીયા (BHMS) અને ડો. જયદીપ પંચાળા (BHMS) હાજર રહ્યા હતા. આ કેમ્પમાં લીંબડીની હોમિયોપેથિક કોલેજના વિદ્યાર્થીઓને માર્ગદર્શન આપવામાં આવ્યું હતુ.

દિવ્ય ભાસ્કરને જણાવો

તમારા સમાજ-સંસ્થા, ધર્મ, સ્કૂલ, કોલેજ કે આસપાસ બનતી નાની-મોટી ઉજવણીઓને આ પેજ પર સમાવવા માટે નીચે આપેલા ઈ-મેઈલ કે વોટ્સએપ પર ફોટો સાથે વિગત મોકલો.

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પર મેઈલ કરો અથવા 9904928087 પર વોટ્સએપ કરો કે પછી નીચેના સરનામે મોકલી આપો.

ગાંધીનગર બ્યુરો ઓફિસ : બ્લોક નં. 14/1, ઘ ટાઇપ, સેક્ટર-22, ગાંધીનગર.

ઉત્તર ગુજરાતના ગંજ બજારના ભાવ

to new name
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જાહેર નોટીસ

માણસાના મે.જ્યુડીશીયલ મેજીસ્ટ્રેટ ફર્સ્ટ ક્લાસ સાહેબની કોર્ટમાં, મુ.માણસા

અરજદારના વિદ્વાન વકિલશ્રી એચ.એમ. પ્રજાપતિ — ક્રિમીનલ પરચુરણ અરજી નં.૭૫/૨૦૨૩

અરજદાર:- પ્રજાપતિ અશોકભાઈ વિઠ્ઠલભાઈ, રહે.હિંમતપુરા(લાકરોડા), તા.માણસા, જી.ગાંધીનગર

વિરૂધ્ધ સામાવાળા:- ૧. તલાટી કમ મંત્રીશ્રી, લાકરોડા, ગ્રામ પંચાયત કચેરી, તા.માણસા, જી.ગાંધીનગર.
૨. આચાર્યશ્રી, સહજાનંદ સ્કુલ એન્ડ એકેડેમી, સ્કુલ સરનામું:- મ-૦ની નજીક, મુ.સરગાસણ, તા.જી.ગાંધીનગર.

વિષય:- જન્મ/મરણ અધિનિયમની કલમ-૧૩(૩) ૧૦(૩) મુજબની નોંધ કરાવવા બાબત.

આથી જાહેર જનતાને આ નોટિસથી જણાવવામાં આવે છે કે અરજદારના પુત્ર હર્ષ અશોકભાઈ પ્રજાપતિ, રહે.હિંમતપુરા(લાકરોડા), તા.માણસા, જી.ગાંધીનગરની જન્મ તારીખ:-૦૨/૦૩/૨૦૦૩ના રોજ હિંમતપુરા મુકામે થયેલ હોઈ તે મુજબનો જન્મનો દાખલો લેવા સારૂ અત્રેની કોર્ટમાં ક્રિમીનલ પરચુરણ અરજી નં. ૭૫/૨૩ થી દાખલ કરેલ હોઈ જે કોઈપણ ઈસમને જન્મનો દાખલો આપવા સામે વાંધો કે હરકત હોય તો તેઓશ્રીએ જાતે અથવા તેમના અધિકારી વકિલશ્રી મારફતે અત્રેની કોર્ટમાં દિન -૩૦ માં રજુ કરવાના રહેશે. જો કોઈપણ ઈસમના વાંધા કે હરકત રજુ નહી થાય તો આગળનો હુકમ કરવામાં આવશે જેની નોંધ લેવી.

આજ રોજ તા.૧૦ મી માહે માર્ચ સને ૨૦૨૩ ના રોજ મારી સહી તથા કોર્ટનો સિક્કો કરીને આપ્યો.

તૈયાર કરનાર — મુકાબલા કરનાર પી.બી પટેલ સુપ્રિટેન્ડન્ટ — (સિક્કો) — હુકમથી કે.બી.પરમાર રજીસ્ટ્રાર, જ્યુ.મેજી ફ.ક.કો./માણસા

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ઈન્ડિયન ફાર્મર્સ ફર્ટીલાઈઝર કો.ઓપરેટીવ લિમિટેડ
કલોલ યુનિટ

MOEF&CC (I.A. Division) ના આદેશ અનુસાર સૂચના

વિષય: ઈફકો કલોલ યુનિટ ખાતે નેનો ખાતર અને નેનો સુક્ષ્મ પોષક તત્વો ના ઉત્પાદન માટે હાલના ખાતર ના પ્લાન્ટ ના વિસ્તૃતીકરણ માટે પર્યાવરણ મંજૂરી

ઈન્ડિયન ફાર્મર્સ ફર્ટીલાઈઝર કો. ઓ. લિ.(IFFCO)ના કલોલ યુનિટ, પ્લોટ નં. 712/846, 855, 856-સર્વે, 17-37 ધાનજ, પોસ્ટ ઓફિસ-કસ્તુરીનગર, કલોલ, જિલ્લો ગાંધીનગર, ગુજરાત ખાતે એમોનિયા-યુરીયા અને નેનો ફર્ટીલાઈઝર કોમ્પ્લેક્ષ આવેલ છે. ઈફકો કલોલ યુનિટની "હાલના ખાતરના પ્લાન્ટ ની નેનો ખાતર તેમજ નેનો સુક્ષ્મ પોષક તત્વો ના ઉત્પાદન માટે વિસ્તૃતીકરણ" સંબધિત પરિયોજના ને ભારત સરકાર ના પર્યાવરણ, વન અને આબોહવા પરિવર્તન મંત્રાલય ના પ્રસ્તાવ નં. IA/GJ/IND3/412440/2022 તારીખ ૨૧ ફેબ્રુઆરી, ૨૦૨૩ તેમજ F. No.: J-11011/60/2009-IA-II(I) તારીખ ૭ માર્ચ ૨૦૨૩ દ્વારા પર્યાવરણ મંજૂરી આપવામાં આવી છે. મંજૂરી પત્ર ની નકલ SPCB/MoEF&CC પાસે ઉપલબ્ધ છે અને મંત્રાલયની વેબસાઈટ https://parivesh.nic.in પર જોઈ શકાય છે.

ડી.જી.ઈનામદાર
ડાયરેક્ટર(કલોલ અને નેનો ખાતર)
ઈફકો કલોલ યુનિટ, પો. કસ્તુરીનગર,
જિ. ગાંધીનગર, ગુજરાત-૩૮૨૪૨૩
ફોન: ૦૭૬-૨૩૨૮૨૦૦૬, ૨૩૨૮૨૦૦૩

માણસાના યુવકે સોશિયલ મીડિયા ગ્રૂપ બનાવી ગામની દીકરીઓના ફોટા મૂકી અભદ્ર લખાણ લખ્યુ

ગ્રૂપમાં બિભત્સ વીડિયો ક્લિપ મુકી બદનામ કરનાર શખ્સ સામે પોલીસ ફરિયાદ કરાઈ

ભાસ્કર ન્યૂઝ | ગાંધીનગર

માણસા તાલુકાના છેવાડે આવેલા એક ગામના યુવક દ્વારા સોશિયલ મીડિયામાં ગ્રૂપ બનાવવામાં આવ્યુ હતુ. જેમાં ગામની દીકરીઓના ફોટા મુકી તેમને ગણિકા બતાવવામાં આવી હતી અને સાથે સાથે તેનો સમય અને ભાવ લખવામાં આવ્યો હતો. જ્યારે ગ્રૂપમાં સમાવેશ કરાતા ફોટા યુવતીના પરિવારના સભ્ય દ્વારા જોવામાં આવતા ગ્રૂપમાં ફોટા મુકીને બદનામ કરનારા શખ્સ સામે પોલીસ મથકમાં ગુનો નોંધવામાં આવ્યો હતો.

મળતી માહિતી મુજબ માણસા તાલુકાના છેવાડે આવેલા ગામના એક પરા વિસ્તારમાં રહેતા યુવક દ્વારા ગામની યુવતીઓને સોશિયલ મીડિયા મારફતે બદનામ કરવાનુ કૃત્ય કરવામાં આવ્યુ હતુ. પરા વિસ્તારનુ નામ લખીને યુવતીઓને ગણિકા બતાવવામાં આવી હતી અને તેની સામે તેમનો ભાવ અને કેટલા સમયે મળશે તે ઉપરાંત એક બિભત્સ વીડિયો ક્લિપ પણ ગ્રૂપમાં મુકવામાં આવી હતી. આ ગ્રૂપમાં એક જ પરિવારની ત્રણ યુવતીઓના ફોટા મુકવામાં આવ્યા હતા. જ્યારે ગ્રૂપમાં યુવતીના પરિવારના સભ્યનો પણ સમાવેશ કરાયો હોવાથી ફોટા સાથેની વિગત તેમણે વાંચી હતી, જેમાં તેઓ વિગત વાંચતાં જ ચોકી ઉઠ્યા હતા.

ગ્રૂપમાં ત્રણ યુવતીઓમાંથી બે સગીર વયની હતી. છતા તેમને બદનામ કરવાનુ કાવતરુ કરવામાં આવ્યુ હતુ. આ બનાવને લઈ યુવતીના સગાએ પોલીસ મથકના દરવાજા ખખડાવ્યા હતા. જેમાં ગ્રૂપ એડમિન અને ફોટા વાઈરલ કરીને બદનામ કરનાર ગામના જ વ્યક્તિ હોવાનુ સામે આવ્યુ હતુ. જેથી યુવતીના પરિવારના સભ્યએ પોલીસ મથકમાં ફરિયાદ નોંધાવતા ગામની યુવતીઓના ફોટા સાથે બિભત્સ વીડિયો ક્લિપ મુકનાર આરોપી સામે ગુનો નોંધાવતા પોલીસે આરોપીને ઝડપી લેવા તજવીજ હાથ ધરી હતી.

સોશિયલ મીડિયા ઉપર કેટલાક લોકો દુનિયાને બતાવવાના ચક્કરમાં પોતાના તમામ ફોટા સહિત અપલોડ કરી દેતા હોય છે. ત્યારે આવા લોકોએ બદનામ ના થવુ પડે તે માટે પરિવારના અને ખાસ કરીને મહિલાઓના ફોટા સોશિયલ મીડિયામાં ન મુકવા જોઈએ.

ધાનેરા પાલિકામાં સર્વર ડાઉન રહેતા વેરો ભરવા આવનાર લોકોને હાલાકી

આખા દિવસમાં માત્ર બે કલાકજ સર્વર ચાલુ રહે છે

ભાસ્કર ન્યૂઝ | ધાનેરા

પાલિકામાં વેરામાં જે વ્યાજ લગાવેલ હોય તે તમામ વળતર માફી આપવાની જાહેરાત કરવામાં આવતા પાલિકામાં વેરો ભરવા કતાર લાગે છે પરંતુ સર્વર ડાઉન હોવાથી પાવતીઓ ના નિકળતા લોકો હેરાનગતી ભોગવી રહ્યા છે. ધાનેરા નગરપાલિકાના તમામ કરદાતાઓને જાણ કરવામાં આવેલ કે સરકાર દ્વારા નાણાકિય વર્ષમાં અગાઉના વર્ષના તમામ પ્રકારના વેરાની બાકી રકમ તા. 31 માર્ચ સુધી ભરપાઇ કરે તો તેમને નોટીસ ફી, વ્યાજ અને પેનલ્ટી વોરંટ ફી પેટેની 100% રકમ માફ કરવાની જોગવાઇ રાખવામાં આવતા બાકીદારો પોતાના વેરા ભરવા માટે નગરપાલિકામાં પહાંચી રહ્યા છે. પરંતુ નગરપાલિકા દ્વારા પાવતીઓ બનાવવામાં સર્વર અવાર નવાર બંધ પડવાના લીધે વેરો ભરવા આવનાર લોકોને કલાકો સુધી બેસવુ પડી રહ્યુ છે.

આ બાબતે નગરપાલિકામાં વેરા વિભાગના અધિકારીને પુછતા જણાવેલ કે આ બધી પ્રક્રિયા ઓનલાઈન હોવાથી આ તમામ સીસ્ટમનું સર્વર ગાંધીનગર ખાતે છે અને સર્વર અવાર નવાર બંધ થવાના કારણે આ સમસ્યા ઉભી થવા પામી છે અને આ બાબતે અમાં એ ઉપરી કચેરી ખાતે પણ વારંવાર રજુઆતો પણ કરવામાં આવી છે.

ધર્મ-સમાજ-સંસ્થા

સેક્ટર-22માં દિવ્યાંગ સમૂહ લગ્નોત્સવમાં 10નવ યુગલે પ્રભુતામાં પગલાં પાડ્યાં



ગાંધીનગર | સેક્ટર-22 રંગમંચ ખાતે લાયન્સ ક્લબ ઓફ ગાંધીનગર ફેમિના અને એસોસિએશન ફોર સોશિયલ વેલફેર એન્ડ ડેવલપમેન્ટ દ્વારા દિવ્યાંગ સમૂહ લગ્નોત્સવનું આયોજન કરાયું હતું. જેમાં 10 જેટલા નવયુગલોએ પ્રભુતામાં પગલાં માંડ્યા હતા. આ પ્રસંગે મેયર હિતેશ મકવાણા, ઉત્તરના ધારાસભ્ય રીટાબેન પટેલ, માણસાના ધારાસભ્ય જે.એસ.પટેલ, સંસ્થાના આગેવાનો તેમજ મોટી સંખ્યામાં લોકો ઉપસ્થિત રહ્યા હતા. આ અવસરે મેયરે એકમેકના સંગાથ અને જીવનભરના વિશ્વાસના પવિત્ર લગ્નસંબંધને વધાવીને નવયુગલોને સુખી લગ્ન જીવનની શુભકામનાઓ પાઠવી હતી.

સેક્ટર-23ની એ. એ. કોમર્સ કોલેજનો વાર્ષિકોત્સવ અને વિદાય સમારંભ યોજાયો



ગાંધીનગર । નગરની એ એ કોમર્સ કોલેજ, સેક્ટર-23નો વાર્ષિકોત્સવ અને ટીવાયબીકોમના વિદ્યાર્થીઓનો વિદાય સમારોહનો કાર્યક્રમ યોજવામાં આવ્યો હતો. જેમાં વિદ્યાર્થીઓએ વિવિધ સાંસ્કૃતિક કાર્યક્રમો રજુ કર્યા હતા. ઉપરાંત બેસ્ટ સ્ટુડન્ટ, ગ્લીટરીંગ સ્ટાર્સ, બેસ્ટ રીસર્ચ પેપર, બેસ્ટ વોલનેટીઅર અને સ્પોર્ટ્સ તેમજ એનએસએસમાં ઉજ્જવળ દેખાવ બદલ વિદ્યાર્થીઓને ટ્રોફી અને મેડલ આપ્યા હતા.

માણસા તાલુકાના પુરવઠા વિભાગ દ્વારા કેમ્પનું આયોજન કરવામાં આવ્યું



માણસા| માણસા તાલુકાના ચાંદીસણા,આમજા, ધેધુ,નાદરીમાં જિલ્લા પુરવઠા અધિકારીના માર્ગદર્શન હેઠળ માણસા પુરવઠા વિભાગ દ્વારા એનએફએસએ અંતર્ગત રાષ્ટ્રીય અન્ન સલામતી કાયદો 2013 હેઠળ નાયબ મામલતદાર પુરવઠાની ટીમ દ્વારા કેમ્પનું આયોજન કરવામાં આવ્યું હતું જેમાં અધિકારી દ્વારા નાગરિકોને કાયદા વિશે સમજ આપી હતી જેમાં ગ્રામજનોનો સારો પ્રતિસાદ મળ્યો હતો.

સોજા કેન્દ્રે શાંતિપૂર્ણ માહોલમાં પરીક્ષાનો પ્રારંભ



માણસા| માણસા તાલુકાના સોજાની શેઠ એચ. એમ.સાર્વજનિક હાઈસ્કૂલ ખાતે અત્યંત શાંતિપૂર્ણ રીતે એસ.એસ.સી બોર્ડ પરીક્ષાનો પ્રારંભ થયો હતો. સોજા હાઈસ્કૂલ સહિત આસપાસની શાળાના સાડા પાંચસોથી પણ વધુ પરીક્ષાર્થીઓ કેન્દ્રમાંથી પરીક્ષા આપી રહ્યાં છે. કેન્દ્ર સંચાલક,શિક્ષકો અને અગ્રણીઓ દ્વારા તમામ બાળકોને પુષ્પ અર્પણ કરી આવકારી સાકરથી ગળ્યું મોં કરાવી શુભેચ્છાઓ પાઠવી આપવામાં આવી હતી. માતૃભાષા ગુજરાતીનું આજનું પ્રશ્નપત્ર બાળકો માટે એકંદરે સહજ-સરળ-સહેલું રહ્યું હતું.

સહજાનંદ સ્કૂલ ઓફ એચિવર વાર્ષિકોત્સવમાં નાટક અને સાંસ્કૃતિક કાર્યક્રમો યોજાયા



ગાંધીનગર | સહજાનંદ સ્કૂલ ઓફ એચિવરનો વાર્ષિકોત્સવનો કાર્યક્રમ તાજેતરમાં યોજવામાં આવ્યો હતો. જેમાં કેજીથી ધોરણ-9ના પ્રથમ ત્રણ ક્રમ હાંસલ કરેલા, ધોરણ-10માં એ1 અને એ2 ગ્રેડ મેળવનાર વિદ્યાર્થીઓને ઈનામ અપાયા હતા. ઉપરાંત વિદ્યાર્થીઓ દ્વારા ગરબા, નૃત્ય અને નાટક સહિતના સાંસ્કૃતિક કાર્યક્રમો રજુ કર્યા હતા. વધુમાં ટ્રાફિકના નિયમોને જાણકારી આપતું નાટક વિદ્યાર્થીઓએ રજુ કર્યું હતું.

ઉદ્ગમ સંસ્થાનો ઉષા પર્વ-3 જો ઉદ્ગમ સૂરોત્સવનો કાર્યક્રમ યોજવામાં આવ્યો



ગાંધીનગર । ઉદ્ગમ ચેરીટેબલ ટ્રસ્ટ દ્વારા આઝાદીકા અમૃત મહોત્સવ અંતર્ગત ગુજરાત રાજ્ય સંગીત નાટક અકાદમીના આર્થિક સહયોગથી અને ગાંધીનગર સાહિત્ય સભાના સહયોગથી ઉષા પર્વ-3 જો ઉદ્ગમ સૂરોત્સવનો કાર્યક્રમ યોજવામાં આવ્યો હતો. જેમાં સંસ્થાના 25 વર્ષની ઉજવણીના ભાગરૂપે મહિલા ગાયકો દ્વારા દુર્ગા સ્તુતિ, ધન્ય ધન્ય નારી જીવન, મેરે ઘર આયી કે નન્હી પરી, માડી તારૂ કંકુ ખર્યુને સુરજ ઉગ્યો, માઇ તેરી ચુનરિયા લહેરાઇ સહિતના ગીતો રજુ કર્યા હતા.

કલોલ ભાજપ પરિવાર દ્વારા બોર્ડના વિદ્યાર્થીઓને શુભેચ્છા પાઠવાઈ



કલોલ | કલોલ ભાજપ પરીવાર દ્વારા વખારીયા સ્કૂલ ખાતે ગુજરાત માધ્યમિક અને ઉચ્ચતર માધ્યમિક શિક્ષણ બોર્ડ ધોરણ 10 અને 12 ની પરીક્ષા આપવા જઈ રહેલા તમામ ઊર્જાવાન પરીક્ષાર્થીઓને પેન તથા પુષ્પગુચ્છ આપી જ્વલંત સફળતા મેળવવા સ્નેહસભર શુભેચ્છાઓ પાઠવી તેમનો ઉત્સાહ વધાર્યો હતો.

મીઠા પર લગાવેલા ટેક્સ કાયદાની યાદમાં બાઇક રેલીનું આયોજન કરાયું



ગાંધીનગર| ભારતની આઝાદીના ચળવળની મહત્વની ઘટના 12 માર્ચ 1930ના રોજ મહાત્મા ગાંધીએ મીઠા પર લગાવેલા ટેક્ષના કાયદાના વિરોધમાં સત્યાગ્રહ કર્યો હતો. જેની યાદગીરી રૂપે દાંડી કુટિર સંગ્રહાલય દ્વારા બાઇક રેલીનુ આયોજન કરાયું હતું. રેલી સાબરમતિ આશ્રમથી દાંડી કુટિર સુધી યોજવામાં આવી હતી.

સરકારી કોલેજ ખાતે સ્ટુડન્ટ સ્ટાર્ટઅપ એન્ડ ઈનોવેશનની જાણકારીનો કાર્યક્રમ યોજાયો



ગાંધીનગર । નગરના સેક્ટર-15ની સરકારી સાયન્સ કોલેજ ખાતે તાજેતરમાં સ્ટુડન્ટ સ્ટાર્ટઅપ એન્ડ ઈનોવેશન પોલીસીની જાણકારી આપતો કાર્યક્રમ તાજેતરમાં યોજવામાં આવ્યો હતો. જેમાં એસએસઆઈપી ઈનોવેશન અને યુડીઆઈએસએચએ કમિટી દ્વારા યોજાયેલા કાર્યક્રમમાં એમ્પ્લોયેબિલિટી થ્રુ એન્ટરપ્રિન્યોરશિપ એન્ડ ઈનોવેશન ઉપર જાણકારી ગુજરાત ટેકનોલોજી યુનિવર્સિટીના સીઈઓ ડો.મહેન્દ્ર ચોધરી દ્વારા આપવામાં આવી હતી.

સેક્ટર 7 કોલેજમાં ગ્રાહક સશક્તીકરણ વિષય પર સેમિનારનું આયોજન કરાયું



ગાંધીનગર| 15 માર્ચ વિશ્વ ગ્રાહક અધિકાર તરીકે મનાવવામાં આવે છે. ત્યારે સેક્ટર 7 કોલેજમાં સ્વચ્છ ઊર્જા સંક્રમણો દ્વારા ગ્રાહકોને સશક્તિકરણ વિષય પર સેમિનાર યોજાયો હતો. જેમાં લીગલ વોલેન્ટરીયસ અનિલ કક્કડ દ્વારા વિદ્યાર્થીનીઓને માહિતી પુરી પાડવામાં આવી હતી.

ઉત્તર ગુજરાતના ગંજ બજારના ભાવ

મહેસાણા

એરંડા	410 - 488
બાજરી	345
એરંડા	1200 - 1277
રાયડો	851 - 1128
ગવાર	1031
મેથી	1151 - 1344
સવા	1875
અજમો	1650 - 2247

મહેસાણા શાક માર્કેટ

મરચાં	400 - 1000
પપૈયા	500 - 600
બટાકા	30 - 200
લીંબુ	1800 - 2200
ભીંડા	40 - 1200
ટુંગળી	150 - 280
દુધી	40 - 300
કાકડી	200 - 400
ભટ્ટા	60 - 400
રવૈયા	30 - 400
રીંગણ	50 - 180
કારેલાં	550 - 600
લસણ	700 - 1300
કોબીજ	100 - 240
ફુલાવર	150 - 460
ગવાર	800 - 1600
વટાણા	200 - 440
ટામેટાં	100 - 400
આદુ	1100 - 1420
કોથમીર	100 - 240
દ્રાક્ષ	200 - 900
કેળાં	500 - 700
ચીકુ	40 - 900
કેરી	400 - 1400
તડબૂચ	200 - 260
દાડમ	100 - 800

આંબલિયાસણ

ઘઉં	360 - 495
એરંડા	1249 - 1258
રાયડો	947 - 992
ગવાર	1050

વિસનગર

વરીયાળી	2900-3915
ઘઉં	410 - 521
જુવાર	1100 - 1595
બાજરી	380 - 492
મગ	1251
ચણા	850 - 893
ગવાર	921 - 1105
તલ	1890
રાયડો	890 - 1201
એરંડા	1211 - 1282
મેથી	950 - 1211
રાજગરો	1300 - 1526
કપાસ	1300 - 1602
અસાળીયો	1265

વિજાપુર

રાયડો	850 - 1012
એરંડા	1230 - 1287
મગફળી	1300 - 1438
કપાસ	1450 - 1611
ઘઉં	400 - 542
જુવાર	915 - 1423
ગવાર	1049
શણ	1472
ચણા	861 - 900

કુકરવાડા

રાયડો	925 - 1008
એરંડા	1220 - 1282
કપાસ	1300 - 1578
ઘઉં	490 - 609
મેથી	1149
રાજગરો	1441 - 1525

ગોજારીયા

રાયડો	800 - 980
એરંડા	1230 - 1260
કપાસ	1500 - 1564
બાજરી	1500 - 1564
બાજરી	485
ઘઉં	435 - 511

વિજાપુર શાક માર્કેટ

બટાકા	50
ફુલાવર	50 - 300
કોબીજ	30 - 140
રવૈયા	50 - 280
મરચાં	200 - 840
ટામેટાં	100 - 210
દુધી	100 - 200
વાલોર	300
તુવેર	100
ભટ્ટા	50 - 200
ભીંડા	500 - 960
મેથી	200
કોથમીર	80 - 120
સરગવો	100 - 210
સેન્ડો રવૈયા	200 - 390
સફેદ ભટ્ટા	50 - 150

કડી

ઘઉં	420 - 549
ડાંગર	350 - 440
મઠ	1700 - 1750
ગવાર	1080
તુવર	1161 - 1441
એરંડા	1260 - 1301
રાયડો	910 - 961
અસાળીયો	1000 - 1301
કપાસ	1301 - 1534
ચણા	915 - 970
મેથી	1136 - 1229
ધાણા	891 - 1211

જોટાણા

એરંડા	1245 - 1259
રાયડો	908 - 998
લાલ મરચાં	772-1116
કપાસ	1314 - 1522

ઉનાવા

કપાસ	1251 - 1585
એરંડા	1212 - 1280
રાયડો	900 - 1031

બહુચરાજી

ઘઉં	402 - 425
તુવર	1150 - 1400
રાયડો	950 - 890
એરંડા	1265 - 1280
જીરૂ	3375
વરીયાળી	2891
સવા	1445
બીટી કપાસ	1352 - 1451

ઊંઝા

જીરૂ	4825 - 7070
વરીયાળી	2525-5800
ઈસબગુલ	2941 - 3538
રાયડો	986 - 1121
સવા	1711 - 2031
અજમો	1400 - 2801

મોડાસા

ઘઉં	390 - 518
મકાઇ	410 - 468
એરંડા	900 - 1266
રાયડો	900 - 1022
સોયાબીન	950 - 985
વરીયાળી	3000 - 3230
ચણા	880 - 976

પ્રાંતિજ

એરંડા	1210 - 1245
ઘઉં	410 - 465
બાજરી	390 - 440
ડાંગર	320 - 385

પાલનપુર

ઘઉં	425-526
જુવાર	1538-1562
બાજરી	451-477
ચણા	865-906
એરંડા	1260-1280
રાયડો	900-1014
વરીયાળી	2200-4000
મકાઈ	470
રાજગરો	1200-1680
જવ	441-470

દિયોદર

એરંડા	1275-1281
રાયડો	900-1005
બાજરી	500-555
ર.બાજરી	490-570
ઘઉં	450-550
જીરૂ	5500-6725
રાજગરો	1450-1625

વડગામ

બાજરી	425-451

અવસાન નોંધ

સોલંકી : ભલાજી જવાનજી સોલંકી (ઉ.વ.60) ડભોડા, ગાંધીનગર **ઠાકોર** : કમળાબેન બાબુજી ઠાકોર (ઉ.વ.50) હાલીસા, ગાંધીનગર
પરમાર : સુલોચનાબેન વિનોદચંદ્ર પરમાર (ઉ.વ.57) મોટા ચિલોડા, ગાંધીનગર

ગુમ થયેલ છે



સેનમા દિપક મહેશભાઈ તા.૦૧/૦૩/૨૦૨૩ને બુધવારના રોજ કલોલમાં થી ગુમ થયેલ છે.જે કોઈને ભાળ મળેતો નીચેના નંબર પર જાણ કરવા વિનંતી
9723165607 ભરતભાઈ
9510134357 રમેશભાઈ
9574795213 મનોજભાઈ
6351519310 મહેશભાઈ

Change of name
My old name was
ACHARYA PRITI PRASHNT
to new name
ACHARYA PRITIBEN PRASHANT
Resi: Plot No.435/A/2,Sec-6/A,Gandhinagar

જાહેર નોટીસ

માણસાના મે.જ્યુડીશીયલ મેજીસ્ટ્રેટ ફર્સ્ટ ક્લાસ સાહેબની કોર્ટમાં, મુ.માણસા

અરજદારના વિદ્વાન વકિલશ્રી એચ.એમ. પ્રજાપતિ — ક્રિમીનલ પરચુરણ અરજ નં.૬૫/૨૦૨૩

અરજદાર:- પ્રજાપતિ અશોકભાઈ વિઠ્ઠલભાઈ, રહે.હિંમતપુરા(લાકરોડા), તા.માણસા, જી.ગાંધીનગર

વિરૂધ્ધ સામાવાળાઃ- ૧. તલાટી કમ મંત્રીશ્રી, લાકરોડા, ગ્રામ પંચાયત કચેરી, તા.માણસા, જી.ગાંધીનગર. ૨. આચાર્યશ્રી, સહજાનંદ સ્કુલ ઓફ એચીવર, સ્કુલ સરનામું:- ખ-૦૧ નજુક, મુ.સરગાસણ,તા.જી.ગાંધીનગર.

વિષયઃ- જન્મ/મરણ અધિનિયમની કલમ-૧૩(૩) ૧૦(૩) મુજબની નોંધ કરાવવા બાબત.

આથી જાહેર જનતાને આ નોટીસથી જણાવવામાં આવે છે કે અરજદારના પુત્ર હાર્ષ અશોકભાઈ પ્રજાપતિ, રહે.હિંમતપુરા(લાકરોડા), તા.માણસા, જી.ગાંધીનગરની જન્મ તારીખ:-૦૨/૦૩/૨૦૦૩ના રોજ હિંમતપુરા મુકામે થયેલ હોઈ તે મુજબની જન્મની દાખલો લેવા સારૂ અગેની કોર્ટમાં ક્રિમીનલ પરચુરણ અરજ નં. ૬૫/૨૩ થી દાખલ કરેલ હોઈ જે કોઈપણ ઈસમને જન્મનો દાખલો આપવા સામે વાંધો કે હરકત હોય તો તેઓશ્રીએ જાતે અથવા તેમના માહિતગાર વકીલશ્રી મારફતે અત્રેની કોર્ટમાં દિન -૩૦ માં રૂબરૂ કરવાના રહેશે. જો કોઈપણ ઈસમના વાંધા કે હરકત રૂબરૂ નહી આવે તો આગળનો હુકમ કરવામાં આવશે જેની નોંધ લેવી.

આજ રોજ તા.૧૬ મી માર્ચ સને ૨૦૨૩ ના રોજ મારી સહી તથા કોર્ટનો સિક્કો કરીને આપ્યો.

ટાઈપ કરનાર	મુકાબલા કરનાર	સિક્કો	હુકમથી
	પી.બી પટેલ		કે.બી.પરમાર
	સુપ્રિટેન્ડેન્ટ		રજીસ્ટ્રાર, ફેમિલી કો.કોર્ટ, માણસા.

IFFCO
Wholly owned by Cooperatives
ઈન્ડિયન ફાર્મર્સ ફર્ટીલાઈઝર કો.ઓપરેટીવ લિમિટેડ
કલોલ યુનિટ
MOEF&CC (I.A. Division) ના આદેશ અનુસાર સૂચના
વિષય: ઈફ્કો કલોલ યુનિટ ખાતે નેનો ખાતર અને નેનો સુક્ષ્મ પોષક તત્વો ના ઉત્પાદન માટે હાલના ખાતર ના પ્લાન્ટ ના વિસ્તૃતીકરણ માટે પર્યાવરણ મંજૂરી

ઈન્ડિયન ફાર્મર્સ ફર્ટીલાઈઝર કો. ઓ. લિ.(IFFCO)ના કલોલ યુનિટ, પ્લોટ નં. 712/846, 855, 856-સઈજ, 17-37 ધાનજ, પોસ્ટ ઓફિસ-કસ્તુરીનગર, કલોલ, જિલ્લો ગાંધીનગર, ગુજરાત ખાતે એમોનિયા-યુરીયા અને નેનો ફર્ટીલાઈઝર કોમ્પલેક્ષ આવેલ છે. ઈફ્કો કલોલ યુનિટની "હાલના ખાતરના પ્લાન્ટ ની નેનો ખાતર તેમજ નેનો સુક્ષ્મ પોષક તત્વો ના ઉત્પાદન માટે વિસ્તૃતીકરણ" સંબધિત પરિયોજના ને ભારત સરકાર ના પર્યાવરણ, વન અને આબોહવા પરિવર્તન મંત્રાલય ના પ્રસ્તાવ નં. IA/GJ/IND3/412440/2022 તારીખ ૨૧ ફેબ્રુઆરી, ૨૦૨૩ તેમજ F. No.: J-11011/60/2009-IA-II(I) તારીખ ૭ માર્ચ ૨૦૨૩ દ્વારા પર્યાવરણ મંજૂરી આપવામાં આવી છે. મંજૂરી પત્ર ની નકલ SPCB/MoEF&CC પારો ઉપલબ્ધ છે અને મંત્રાલયની વેબલાઈટ https://parivesh.nic.in પર જોઈ શકાય છે.

ડી. જી. ઈનામદાર
ડાયરેક્ટર(કલોલ અને નેનો ખાતર)
ઈફ્કો કલોલ યુનિટ, પો. કસ્તુરીનગર,
જિ. ગાંધીનગર, ગુજરાત-૩૮૨૪૨૩
ફોન: ૦૭૯-૨૩૨૮૨૦૦૯,૨૩૨૮૨૦૦૩

દિવ્ય ભાસ્કરને જણાવો

તમારા સમાજ- સંસ્થા, ધર્મ,સ્કૂલ, કોલેજ કે આસપાસ બનતી નાની-મોટી ઉજવણીઓને આ પેજ પર સમાવવા માટે નીચે આપેલા ઈ-મેઈલ કે વોટ્સએપ પર ફોટો સાથે વિગત મોકલો.
gnr.dbcommunities@gmail.com
પર મેઈલ કરો અથવા 9904928087 પર વોટ્સએપ કરો કે પછી નીચેના સરનામે મોકલી આપો.
ગાંધીનગર બ્યૂરો ઓફિસ : બ્લોક નં. 14/1, ઘ ટાઇપ, સેક્ટર-22, ગાંધીનગર.

ANNEXURE XXII

COPY OF WATER AGREEMENT

ANNEXURES

IN-GJ17200232445284Y

INDIA NON JUDICIAL

Government of Gujarat

Certificate of Stamp Duty

सत्यमेव जयते

Certificate No.	:	IN-GJ17200232445284Y
Certificate Issued Date	:	08-Jul-2026 03:41 PM
Account Reference	:	IMPACC (AC)/ gj13278811/ GANDHINAGAR01/ GJ-GN
Unique Doc. Reference	:	SUBIN-GJGJ13278811272621469764 54Y
Purchased by	:	INDIAN FARMERS FERTILISER CO OPERATIVE LIMITED
Description of Document	:	Article 5(h) Agreement (not otherwise provided for)
Description	:	FOR AGREEMENT
Consideration Price (Rs.)	:	0 (Zero)
First Party	:	INDIAN FARMERS FERTILISER CO OPERATIVE LIMITED
Second Party	:	SARDAR SAROVAR NARMADA NIGAM LIMITED
Stamp Duty Paid By	:	INDIAN FARMERS FERTILISER CO OPERATIVE LIMITED
Stamp Duty Amount(Rs.)	:	300 (Three Hundred only)

Received 16/7/2026 FOR

કાર્યપાલક ઇજનેર
નર્મદા યોજના નહેર વિભાગ નં. ૬
ધોળાકુવા

0036669475

VOID VOID VOID

Statutory Alert:

1. The authenticity of this Stamp certificate should be verified at 'www.shcilestamp.com' or using e-Stamp Mobile App of Stock Holding. Any discrepancy in the details on this Certificate and as available on the website / Mobile App renders it invalid.
2. The onus of checking the legitimacy is on the users of the certificate.
3. In case of any discrepancy please inform the Competent Authority.

02-Jul-2026 03:41 PM SBIN-SF-10026 03:41 PM 10-Jul-2026 03:41 PM 05-Jul-2026 03:41 PM 05-Jul-2026 03:41 PM 09-Jul-2026 03:41 PM 09-Jul-2026 03:41 PM 08-Jul-2026 03:41 PM 08-Jul-2026 03:41 PM 08

*(Agreement for New Approval / Renewal of Agreement for **Industrial Purpose**)*

AGREEMENT

Agreement for supply of water to Indian Farmers Fertiliser Cooperative LTD(IFFCO) for drawl of 11.35(*Quantity in Million Litre per Day - MLD)* water *(i.e. 11350___Cubic meter per day)* from at Ch.140 M of Dholka Branch Canal for *Industrial* purpose.

This Agreement made on this day of July 2026 between Indian Farmers Fertiliser Cooperative Ltd(IFFCO) through its Authorized Representative (hereinafter in this Agreement called the "Licensee" Which expression shall, unless context otherwise requires and admits, be deemed to include its administrators, executors, successors and assigns)Indian Farmers Fertiliser Cooperative Limited(IFFCO), a Multi-Sate Cooperative Society having its corporate office at IFFCO Sadan, C-1, District Centre, Saket Place, New Delhi-110017, and one of its manufacturing Unit at Kalol PO, Kasturinagar, Dist: Gandhinagar- 382423, of the one part and the Sardar Sarovar Narmada Nigam Limited through Executive Engineer,Narmada Project Canal,Division-8,Dholka in office (herein after called as "SSNNL" which expression shall, unless context otherwise requires and admits, be deemed to include his successors in office and assigns) of the other part.

WHERE AS the Licensee has applied to the SSNNL for permission to draw water from at Ch.140 M of Dholka Branch Canal for manufacture of Fertiliser for Industrial use of its proposed/existing Indian Farmers Fertiliser Cooperative Ltd(IFFCO) at Kalol Unit, Kasturinagar, Dist: Gandhinagar,Pin

P K SINGH
Sr. General Manager
IFFCO - KALOL UNIT
P.O. Kasturinagar – 382423
Dist. Gandhinagar, Gujarat (INDIA)

E.E.N.P.C.Dn. No 8, Dholka

382423,North Gujarat , AND WHEREAS the SSNNL has, under its sanction letter No. SSNNL/IND/1204/27/WMC Dt. 14/02/2013 (Revised SSNNL/IND/1204/27/IFFCO/WMC Dt.-04/02/2016 and SSNNL/IND/1204/27/IFCCO/WMC/131 Dt. 20/05/2026, agreed to grant such permission on the terms and conditions here-in-after appearing and as mentioned in the SSNNL; Resolution No. SSNNL / 1103 / 15 / WMC / part-2, dtd.05- 05-2007 & SSNNL / 1103 / 15 / WMC / Part-2 dtd.01-02-2008or as amended from time to time.

The parties here to hereby agree as follows:

(1) The SSNNL hereby grants the permission to the Licensee to draw water from Ch.140 M of Dholka Branch Canal on the terms and conditions hereafter. The Licensee shall construct and maintain the head works for drawing water from Ch.140 M of Dholka Branch Canal and other required structures at suitable places as approved by the authorized officer of SSNNL at its risk & cost and shall provide all ancillary arrangements that may be required in connection with the drawing and conveying the water required for the use of Licensee near village Kalol Taluka Kalol of The District Gandhinagar. The intake structures shall be open to inspection by the SSNNL and the SSNNL shall exercise necessary control.

(2) The Licensee shall install and maintain, at its own cost, the pipeline and other requirements for conveying water from the source of supply to the place of actual use. The expenditure towards the drawl of water i.e. installation of pumps, pipelines, meters and all other requirements in

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connection with the drawl of water, shall be borne by the Licensee.

(3) The Licensee may increase the intake of water up to 2.5 times of the daily approved water requirement, for a maximum cumulative period of 30 days in a calendar year, with the approval of the competent authority of SSNNL for filling of the Licensee's storage reservoir before closure of the canal. In case of closure of canal for routine works, SSNNL shall give intimation to the Licensee two weeks in advance. However, in case of any emergency SSNNL shall not issue any such notice and Licensee shall not have any right to claim any damages in such eventuality.

(4) *(1) The Licensee agrees to bear the cost herein below detailed that may be apportioned between the beneficiaries on pro-rata basis of their demand, on account of remodeling that may take place to meet the total requirements of the beneficiaries in case supply of water to the Licensee is from at Ch.140 M of Dholka Branch Canal. The cost of remodeling shall include cost of preparation of plans, estimates and scrutiny thereof, etc. as per Appendix-I to the Gujarat Public Works Department manual volume I and II. The total cost of strengthening & remodeling of NA canal is estimated of to be Rupees NA at present, out of which the share of the Licensee is estimated to be Rupees NA. The Licensee shall deposit this amount of Rupees NA in advance to enable the SSNNL to take up the entire work on priority basis. The Licensee shall pay the

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balance amount on the basis of actual expenditure immediately after the work is completed.

(4) (2) The Licensee shall be allowed to draw the water only after it has paid up the apportioned costreferred to in sub-clause 4 (1) above, in advance.

* *Clause-4 shall be applicable only in cases where the remodeling of canal system is required for meeting the water demand of licensee(s)*

(5) The Licensee shall pay a license fee of Rs. 50,000/- for 5 years or at as such rates as amended from time to time by SSNNL.

(6) The Licensee shall pay for the quantity of water drawn, as measured in the manner provided under clause-7 below, at the rates and terms given below. (i) The Licensee shall pay the water charges for the quantity of water **actually drawn** as per the rates mentioned in the SSNNL Circular No. SSNNL / MSC / e-file / 199 / 2023 / 1375 / CE(CPC) dated 08.12.2023 or as amended from time to time, subject to fulfillment of conditions laid down in above mentioned resolution as well as conditions mentioned in sanction letter.

(ii) The interest rates, penalty and all other charges/conditions mentioned in SSNNL Resolution No. SSNNL/1103/15/WMC/part-2, dated 05-05-2007 or as amended from time to time shall be applicable.

(iii) The water charges shall be subject to revision that may be made by the SSNNL from time to time.

(iv) The charges as mentioned in sub clause-(i) above, shall have to be paid by the Licensee within 15 days from the date of the bill. The bills shall be

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prepared every month by 10th day of the succeeding month and served on the Licensee for payment thereof.

(v) If the arrears of water charges accumulate for more than six months, the SSNNL shall have the right to stop supply of water to the licensee. SSNNL shall also have the right to stop entry of the licensee into the intake structure.

vi) If the measuring devices referred to in Clause-7 below, ceases to function or goes out of order in any month, the charges leviable in respect of that month shall be calculated on the basis of the average quantity of water drawn in the preceding three months or the quantity of water drawn in the same month of preceding year, whichever is higher, provided that there has been no increase in the capacity of the user organization (Plant(s)). However, if the capacity of the Plant(s) has increased during such year, the water drawn shall be correspondingly estimated on the pro-rata basis. For the purpose of such estimate, the Licensee shall furnish necessary data to the Executive Engineer concerned whose decision in the matter shall be final and binding to the Licensee.

(7) A suitable scientific measuring device shall be installed by the Licensee at suitable place in consultation with and with the approval of the Executive Engineer, Narmada Project Canal, Division-8, Dholka for measuring the quantity of water drawn by the Licensee.

The cost of measuring device, its installation, periodic calibration and maintenance shall be borne by the Licensee. The measurement of the quantity of

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water drawn shall be taken jointly by the representative of the SSNNL and of the Licensee. The measuring device shall be open for inspection by the SSNNL or its authorized representative.

(8) If the measuring device referred to in the clause-7, ceases to function or goes out of order, the Licensee shall, get necessary repairs carried out and restore the same to its original position or replace the same immediately and at most within 30 days of measuring device going out of order.

(9) The water drawn by the Licensee from the at Ch.140 M of Dholka Branch Canal shall be used only for the purpose for which permission is granted to Licensee and the use shall be confined to the legitimate requirements of the Licensee.

The Licensee shall not draw water for sale or supply to any person, firm or Company or other body by whatever name called.

(10)(1) The grant of the permission to draw water under this Agreement shall not confer any right or assurance to the Licensee regarding availability of quantity of water and/or regarding the quality of water. The Licensee shall not be entitled to any compensation for non-availability of quantity of water on account of any reason(s) by SSNNL. It shall be incumbent on the licensee to make its own arrangement to meet its requirement of water during the period the water supply is stopped.

(10)(2) If the special measures for conserving the water and reducing the losses of evaporation and seepage are found necessary in scarcity

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years, the expenses on this account shall be borne by the Licensee.

(11) The permission granted in this Agreement shall not in any manner prejudicially affect the existing water rights vested in the riparian owners nor shall it any way prejudice the rights of government / SSNNL to launch or implement any new scheme or schemes in public interest in future in connection with the water of Dholka Branch Canal of the Engineer, Narmada Project Canal, Division-8, Dholka from which Licensee is permitted to draw water under this Agreement.

(12) The drawl of water under this Agreement by the Licensee shall be subject to the provisions of the ***Gujarat Irrigation and Drainage Act, 2013, Gujarat Irrigation and Drainage Rules, 2014*** and other rules made there under as amended from time to time and orders that may be passed or issued in that behalf by the SSNNL / Government from time to time.

(13) The Licensee shall at all reasonable times allow the officers of the SSNNL to inspect the work sites and records regarding quantity of water drawn, utilized and supplied to other parties, if any, and to take copy of the records.

(14) An amount equivalent to three months' prevailing water charges shall be initially deposited by the Licensee with the Executive Engineer, Narmada Project Canal, Division-8, Dholka as security deposit for the due performance of the terms of this Agreement. The deposit shall be in the form of Fixed Deposit in any Nationalized Bank/Schedule bank and shall be pledged by the Licensee in favour of the Executive

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E.E.N.P.C. Dn. No 8, Dholka

Engineer, Narmada Project Canal, Division-8, Dholka. The enhancement in amount of security deposit due to yearly increase in the rate of water charges shall also be deposited by the Licensee. Such Fixed Deposit must continue during the entire period of this Agreement without any break.

or

An amount equivalent to three months' prevailing water charges shall be initially deposited by the Licensee with the Executive Engineer, Narmada Project Canal, Division-8, Dholka as security deposit for the due performance of the terms of this Agreement. The deposit shall be in the form of Bank Guarantee. The enhancement in amount of security deposit due to yearly increase in the rate of water charges shall also be deposited by the Licensee. In the case of acceptance of Bank Guarantee in form of a Security Deposit, it must be issued from Nationalized Bank based in Gujarat State only (List of bank as per SSNNL circular no. CPC / MD meeting / contractor / 2009 / 373-pt-III/ 120 dtd.16.05.25 or as amended from time to time) and shall be pledged by the Licensee in favour of the Executive Engineer, Narmada Project Canal, Division-8, Dholka. Such Bank Guarantee must continue during the entire period of this Agreement without any break.

(15) The Executive Engineer, Narmada Project Canal, Division-8, Dholka shall have the power to decide on all matters pertaining to this Agreement. The appeal against the decision of the Executive Engineer shall be made before the Chief

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E.E.N.P.C.Dn. No 8, Dholka

Engineer, Amdavad and the decision of the Chief Engineer shall be final.

(16) The Licensee shall make its own arrangements for storing its water requirement for a minimum of 15 days. The Executive Engineer, Narmada Project Canal, Division-8, Dholka shall ordinarily inform Licensee in advance about the period of closures of the canal for any reason(s). Further, IFFCO-Kalol shall create a water storage facility sufficient to meet 15 days requirement within a period of 58 months, as per the undertaking submitted by IFFCO-Kalol vide letter dated 21/03/2026.

(17) The Licensee shall arrange at its own cost the discharge of the treated waste water and effluents, after due treatment, as may be directed by the Gujarat Pollution Control Board and/or any regulatory authority.

(18) This Agreement shall remain in force for a period of 5 years i.e. 22/02/2026 to 21/02/2031. The licensee may terminate the Agreement by giving three calendar months' notice in writing to SSNNL. The Licensee shall not be eligible for any refund/ compensation on account of such premature termination.

(19) The SSNNL shall be entitled to terminate this Agreement upon serving the Licensee with a notice of 1 month (One Month) for breach of any of the terms and conditions of this Agreement or in the event the Licensee fails to pay any sum due to the SSNNL under this Agreement. The Licensee shall not be eligible to claim any compensation from the SSNNL on account of withdrawing the facility of

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E.E.N.P.C.Dn. No 8, Dholka

drawl of water as a result of premature termination of the Agreement. Without prejudice to any right of the SSNNL to proceed in accordance with the relevant clauses/rules No.6(v) to recover such sums due from the Licensee, the security deposits shall be forfeited. Any drawl of water from the at Ch.140 M of Dholka Branch Canal after the expiry of the period of the notice shall be treated as an unauthorized act and shall be subject to such penal charges as may be determined by the SSNNL.

(20) The SSNNL may allow the drawl of water after the expiry of the Agreement on receipt of a renewal application from the Licensee at least six months before the expiry of this Agreement.

(21) The Licensee shall have to bear all the legal charges, stamp duty, registration fees and all other charges and expenses incurred in connection with this Agreement.

(22) Except as otherwise herein provided, all notices to be given and other actions to be taken on behalf of the Licensee shall be given or taken by **IFFCO** or any other official authorized by the Licensee.

(23) All sums and amount due and payable under this Agreement shall be recoverable as arrears of land revenue under the Gujarat Land Revenue Code, 1879 or latest policy of Government without prejudice to any other rights or remedies available to the SSNNL / Government.

(24) As per Gujarat state policy for promotion of waste water recycle and reuse dated 15th June, 2017 or as amended from time to time, whenever treated waste

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E.E.N.P.C.Dn. No.8, Dholka

water is available, the licensee shall have to utilize available Quantity of treated waste water and

(a) If the Quantity of treated waste water allocated is less than the Quantity of water reserved under the Agreement, the licensee shall have to intimate to SSNNL in writing for the quantity of TWW allocated to it, and accordingly, the reserved quantity of water will be reduced to the extent of availability of TWW.

(b) If the availability of TWW is more than the Quantity of water reserved under Agreement by SSNNL, the water supply shall be stopped to the licensee.

(c) In circumstances when, due to any reason(s), allocated TWW is not available to licensee for the specific period, water supply will be given to licensee for that specific period.

(d) The existing water supply shall be reduced or discontinued within a period of one year of TWW allocation being made available.

However, water supply shall be allowed to the extent of drinking water and specific process requirement. In such a case the licensee shall have to notify SSNNL in advance with details and quantity of water required for such use.

(e) However, the approval of water will remain in force till the expiry of Agreement with SSNNL.

(f) In case during particular year due to any reason(s), if allocated TWW is not available to Licensee, the same equivalent quantity of water

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may be provided by SSNNL without penalty provided Licensee shall provide proof of non-availability of TWW from the competent authority.

IN WITNESS WHERE OF **Shri P. K. Singh, Sr. General manager & Unit Head, IFFCO Kalol unit** duly authorized by the Competent authority of the Licensee for and on behalf of the Licensee and **Smt Shivani H. Patel, Executive Engineer, Narmada Project Canal,Division-8,Dholka** for and on behalf of the SSNNL have signed there presents and herein set their respective seals on the day and year first above written.

Signed, Sealed and delivered by

Shri / Smt

Executive Engineer,

E.E.N.P.C. Dn. No. 8 DHOLKA

For and on behalf of the SSNNL

in presence of
Witness (I)

Witness (II)

Signed, Sealed and delivered by

Shri / Smt

Sr. General Manager &

Unit Head

P K SINGH
Sr. General Manager
IFFCO - KALOL UNIT
P.O.: Kasturinagar – 382423
Dist.: Gandhinagar, Gujarat (INDIA)

For IFFCO

in Presence of
Witness (I)

Witness (II)

ANNEXURE XXIII

AERIAL PHOTO OF GREEN BELT AREA

AT IFFCO KALOL

ANNEXURES

Forests by heartfulness

IFFCO
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AFFORESTATION PROJECT

IFFCO PLANT
KALOL, GUJARAT

N

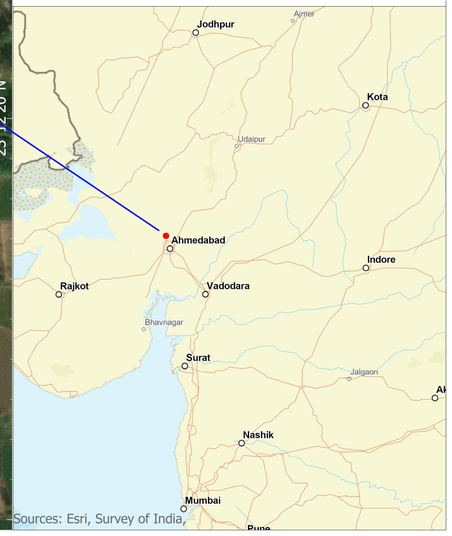
0 50 100 200
Meters

Legend

Plantation Boundary

Survey Date: 01 Aug 2025

Coordinate System : WGS 1984 UTM Zone 43N



Sources: Esri, Survey of India,

ANNEXURE XXIV

COPIES OF EARLIER RECEIPT

OF ACKNOWLEDGEMENT

BY NEARBY

GRAM PANCHAYAT'S

ANNEXURES

Annexure - XXIV

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इंडियन फारमर्स फर्टिलाईजर कोआपरेटिव लिमिटेड
INDIAN FARMERS FERTILISER CO-OPERATIVE LIMITED

OHSAS 18001 BUREAU VERITAS Certification

कलोल इकाई
KALOL UNIT

KL/IR/C-106A/10

ફેબ્રુઆરી 6, 2021

પ્રતિ,

સરપંચ શ્રી,

(1) સઈજ ગ્રામ પંચાયત
(2) શેરથા ગ્રામ પંચાયત
(3) ધાનજ ગ્રામ પંચાયત
જિ. ગાંધીનગર.

મા સાહેબ શ્રી,

આ સાથે ઇફકો કલોલ એકમ ના પ્રસ્તાવિત વિસ્તૃતિકરણના સંદર્ભમાં ભારત સરકાર ના પર્યાવરણ અને વન વિભાગમાંથી આપવામાં આવેલ અનુમતિ પત્ર જોડેલ છે.

આ અંગે આપના તરફથી કોઈ સુઝાવ હોય તો અમોને જણાવવા વિનતિ છે.

આભાર સહ,

આપનો વિશ્વાસુ,
ઇન્ડીયન ફાર્મર્સ ફર્ટીલાઇઝર કો.ઓ.લિ. વતી,

(ડી.જી ઇનામદાર)
વરિષ્ઠ કાર્યકારી નિદેશક

બિડાણ: ઉપર મુજબ.

નકલ રવાના: કલેક્ટરશ્રી, ગાંધીનગર
જિલ્લા વિકાસ અધિકારીશ્રી, ગાંધીનગર
તાલુકા વિકાસ અધિકારીશ્રી કલોલ

કલોલ ઇકાઈ, પો.આ. કસ્તૂરીનગર, જિલા : ગાંધીનગર-૩૮૨૪૨૩ (ગુજરાત
ફોન : (02764) 220209, 220604, 223256, 223258, 22327
ગ્રામ : ઇફકો, કસ્તૂરીનગર ફૈક્સ : 91-2764-22057

Kalol Unit, P.O. Kasturinagar, Dist. Gandhinagar-382423 (Gujarat
Phones : (02764) 220209, 220604, 223256, 223258. 22327
FAX : 91-2764-22057
Website : www.iffco.i

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INDIAN FARMERS FERTILISER CO-OPERATIVE LIMITED

BUREAU VERITAS

कलोल इकाई
KALOL UNIT

KL/IR/C-106A/10

ફેબ્રુઆરી 6, 2021

પ્રતિ,

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આ અંગે આપના તરફથી કોઈ સુઝાવ હોય તો અમોને જણાવવા વિનતિ છે.

આભાર સહ,

આપનો વિશ્વાસુ,
ઇન્ડીયન ફાર્મર્સ ફર્ટીલાઇઝર કો.ઓ.લિ. વતી,

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INDIAN FARMERS FERTILISER CO-OPERATIVE LIMITED

BUREAU VERITAS Certification

कलोल इकाई
KALOL UNIT

KL/IR/C-106A/10

ફેબ્રુઆરી 6, 2021

પ્રતિ,

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આભાર સહ,

આપનો વિશ્વાસુ,
ઇન્ડીયન ફાર્મર્સ ફર્ટીલાઇઝર કો.ઓ.લિ. વતી,

(ડી.જી ઇનામદાર)
વરિષ્ઠ કાર્યકારી નિદેશક

Dt- 6/2/2021

બિડાણ: ઉપર મુજબ.

નકલ રવાના: કલેક્ટરશ્રી, ગાંધીનગર
જિલ્લા વિકાસ અધિકારીશ્રી, ગાંધીનગર
તાલુકા વિકાસ અધિકારીશ્રી કલોલ

કલોલ ઇકાઈ, પો.આ. કસ્તૂરીનગર, જિલા : ગાંધીનગર-૩૮૨૪૨૩ (ગુજરાત
ફોન : (02764) 220209, 220604, 223256, 223258, 22327
ગ્રામ : ઇફકો, કસ્તૂરીનગર ફૈક્સ : 91-2764-22057
Kalol Unit, P.O. Kasturinagar, Dist. Gandhinagar-382423 (Gujarat
Phones : (02764) 220209, 220604, 223256, 223258. 22327
FAX : 91-2764-22057
Website : www.iffco.i

ANNEXURE XXV

COPY OF EARLIER NEWSPAPER ADVERTISEMENT

ANNEXURES

વેટરનરી કોલેજ, આણંદ કૃષિ યુનિવર્સિટી, આણંદ ખાતે વાહન ગેરેજના જર્જરીત ઘાબાને તોડી કલર કોટેડ પતરાં, ચોરસ પાઇપ સાથે ફીટ કરવા માટે રસ ધરાવતી પાર્ટીઓ પાસેથી માલ-સામાન અને મજુરી સાથે કામગીરી કરાવવાના ભાવો મંગાવવામાં આવે છે. આ અંગેના જરૂરી સ્પેસીફીકેશન, શરતો અને બોલીઓ દર્શાવતા ટેન્ડર ફોર્મ અત્રેની કચેરીએથી રૂ. ૧૫૦૦/- રોકડા ભરી મેળવી લેવું અથવા વેબસાઇટ www.aau.in/tenders ઉપરથી ડાઉનલોડ કરી ટેન્ડર ફી પેટે રૂ. ૧૫૦૦/- નો "એ. એ. યુ. ફંડ એકાઉન્ટ" ના નામનો પેએબલ એટ આણંદનો ડીમાન્ડ ડ્રાફટ સામેલ કરવાનો રહેશે.

ભરેલ ટેન્ડર ફોર્મ સીલબંધ કવરમાં તા. ૨૨/૦૨/૨૦૨૧ સાંજે ૫.૦૦ કલાક સુધીમાં ફકત રજી. પોસ્ટ એ.ડી./સ્પીડ પોસ્ટથી જ સ્વીકારવામાં આવશે તથા કવર ઉપર "વાહન ગેરેજના જર્જરીત ઘાબાને તોડી કલર કોટેડ પતરાં ચોરસ પાઇપ સાથે ફીટ કરવા માટેની કામગીરીના ભાવ" એમ અવશ્ય લખવાનું રહેશે.

તા. ૦૬/૦૨/૨૦૨૧
સ્થળ : આણંદ

સહી/-
આચાર્ય અને ડીનશ્રી
ફોન નંબર (૦૨૬૯૨) ૨૬૧૪૮૬

(માહિતી/આણંદ/૫૦૦/૨૧/૨૨)

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INDIAN FARMERS FERTILISER COOPERATIVELIMITED KALOL UNIT

MOEF & CC (I.A.Division) ના નિર્દેશ મુજબની સૂચના

વિષય : ઈફ્કો કલોલ એકમ, પો.કસ્તુરીનગર, જી.ગાંધીનગરના વિસ્તરણ/આધુનિકીકરણ માટેની પર્યાવરણીય મંજૂરી

ઇંડિયન ફાર્મર્સ ફર્ટિલાઇઝર કૉ-ઓપરેટીવ લિમિટેડ (ઇફ્કો)ના કલોલ એકમમાં પ્લોટ નં. ૭૧૨/૮૪૬, ૮૫૫, ૮૫૬ - સઇજ, ૧૭ - ૩૭ - ધાનજ, કસ્તુરીનગર, કલોલ જી. ગાંધીનગર, ગુજરાત ખાતે એમોનિયા - યુરિયા સંકુલ આવેલ છે. ઇફ્કો- કલોલ એકમના "ફર્ટિલાઇઝર પ્લાન્ટ ના વિસ્તરણ/આધુનિકીકરણ" ની યોજના ને પર્યાવરણ, વન અને આબોહવા પરીવર્તન મંત્રાલય, ભારત સરકાર ના પ્રસ્તાવ ક્રમાંક IA/GJ/IND2/185904/2009 તારીખ ૧૪ ડિસેમ્બર ૨૦૨૦ અને F.No J-11011/60/2009-IA II (I) તારીખ ૧ ફેબ્રુઆરીએ ૨૦૨૧ દ્વારા મંજૂરી આપવામાં આવેલ છે. પર્યાવરણીય મંજૂરી પત્રની નકલ SPCB/MoEF&CC પાસે અને મંત્રાલય ની વેબસાઇટ https://parivesh.nic.in પર ઉપલબ્ધ છે.

ડી. જી. ઈનામદાર, વરિષ્ઠ કાર્યકારી નિદેશક
ઇફ્કો કલોલ એકમ, પો.કસ્તુરીનગર, જી.ગાંધીનગર, ગુજરાત, પીન-૩૮૨૪૨૩
ફોન નં.: ૦૭૯-૨૩૨૮૨૦૦૫, ૨૩૨૮૨૦૦૩
ફેક્સ : ૦૭૯-૨૩૨૮૬૦૨૦, ૦૨૭૬૪-૨૨૦૫૭૨, ઈ-મેલ: dginamdar@iffco.in
વેબસાઇટ: www.iffco.in

ઇન્ડો જર્મન ટૂલ રૂમ, અમદાવાદ
INDO GERMAN TOOL ROOM, AHMEDABAD
An ISO 9001 : 2015 Tool Room & Training Centre

યુવક/ યુવતીઓ માટે ઉચ્ચ ટેકનીકલ શિક્ષણ સાથે ઉત્તમ રોજગારી દ્વારા ઉજ્જવળ કારકીર્દીની તક

ભારત સરકારના સુક્ષ્મ, લઘુ અને મધ્યમ ઉદ્યમ મંત્રાલય અને જર્મન સરકારના સહયોગ વડે સાકાર બનેલ આ સંસ્થા દ્વારા ગુજરાત સરકારના સહયોગથી અનુસુચિત જાતિ તથા આદિજાતી યુવક-યુવતીઓ માટે ઉચ્ચ ટેકનીકલ શિક્ષણ દ્વારા રોજગાર અને સ્વરોજગારલક્ષી વિવિધ તાલીમ કાર્યક્રમ ચલાવવામાં આવે છે.

ક્રમ	કોર્સનું નામ	સમયગાળો	પ્રવેશ લાયકાત
૧	પોસ્ટ ગ્રેજ્યુએટ ડિપ્લોમા ઈન ટૂલ ડિઝાઇન એન્ડ ડેઇ કેમ (PGTDCC)	૧½ વર્ષ	BE મીકેનીકલ / ઓટોમોબાઇલ / પ્લાસ્ટીક / પ્રોડક્શન
૨	પોસ્ટ ડિપ્લોમા ઈન ટૂલ ડિઝાઇન એન્ડ ડેઇ કેમ (PDTDCC)	૧ વર્ષ	BE / Diploma - મીકેનીકલ / ઓટોમોબાઇલ / પ્લાસ્ટીક / પ્રોડક્શન
૩	પોસ્ટ ડિપ્લોમા ઈન ઈન્ડસ્ટ્રીયલ ઓટોમેશન એન્ડ રોબોટીક્સ (PDIAR)	૧ વર્ષ	BE / Diploma - મીકેનીકલ / પ્રોડક્શન ઇલેક્ટ્રીકલ / ઇલેક્ટ્રોનિક્સ / ઈન્સ્ટ્રુમેન્ટેશન
૪	કન્ડેન્સડ કોર્સ ઇન ટૂલ એન્ડ ડાઇ મેકીંગ (CCTDM)	૧ વર્ષ	ધોરણ ૧૦ પાસ
૫	સી.એન.સી. મશીનીષ્ટ (સી.એન.સી. ઓપરેટર) (CCM)	૪ માસ	ITI ટર્નર / મશીનીષ્ટ (ફકત ST તાલીમાર્થીઓ માટે)

ફકત ST તાલીમાર્થીઓ માટે : તાલીમની ફી, રહેવા તથા જમવા અંગે નકકી કરેલ ધોરણો મુજબની વ્યવસ્થાનો ખર્ચ ગુજરાત સરકાર દ્વારા આપવામાં આવશે. તાલીમાર્થીઓ એ ફકત રૂા. ૧૦૦૦/- ભરવાના રહેશે.
SC તાલીમાર્થીઓ માટે ફકત તાલીમની ફી માફ રહેશે.

એડમીશન તેમજ વધુ વિગત માટે સંપર્ક કરો :
ઇન્ડો જર્મન ટૂલ રૂમ, અમદાવાદ - ભારત સરકારની સંસ્થા
પ્લોટ નં. ૫૦૦૩, ફેઝ-૪, જીઆઈડીસી, મહેમદાવાદ રોડ, વટવા, અમદાવાદ-૩૮૨૪૪૫
મો. ૦૦૯૯૦૪૧૮૮૬, ૦૦૯૯૦૪૦૮૬૮, ૦૦૯૯૩૧૧૬૦૬
Email : info@igtrahd.com; www.igtrahd.com

ભારતના રાષ્ટ્રપતિ વતી અને માટે મંડળ રેલ પ્રબંધક / કાર્ય / ઝાંસી નીચે જણાવેલ કામ માટે ઓનલાઈન (ઈ-ટેન્ડરીંગ)ના માધ્યમથી ખુલ્લી નિવિદા આમંત્રિત કરે છે.

કામનું નામ	ઈ-નિવિદા સૂચના સંખ્યા	અંદાજીત કિંમત
ખેરાર - ભીમસેન સેકશન: પ્રોટેકશન ઓફ સીપેજ થ્રુ જોઈન્ટ / ગેપ્સ ઈન આરસીસી બોક્સ ઓફ એલએચએસ / આરયૂબી એન્ડ અપર એસોસીએટ વર્ક્સ એટ સબવે નં. એસ-૪, એસ-૭ એન્ડ એસ-૧૩ એન્ડ એની અપર લોકેશન અંડર જ્યુરીડીકશન ઓફ સિનીયર ડીઈએન / ઈસ્ટ ઝાંસી.	ઝાંસી - એન્જી.- ઈ-2021-132	₹ 15280177.11

અંદાજીત કિંમત - 0.00, નિવિદા બંધ થવાની તારીખ: 26.02.2021 ના 15.00 કલાકે. સ્વીકૃત પત્ર ઈસ્યુ થવાના સમયથી કામ પૂર્ણતા/સમયગાળાની તારીખ: 06 મહિના.

- નિવિદા તારીખ: 26.02.2021ના 15.00 કલાક સુધી ઓનલાઈન જમા કરી શકાશે.
- સંપૂર્ણ વર્ણન અને નિવિદા પ્રસ્તુત કરવા માટે ભારતીય રેલવેની વેબસાઈટ www.ireps.gov.in પર જુઓ.

158/21 (SP)

North central railways www.ncr.indianrailways.gov.in @CPRONCR

ઓનલાઇન જાહેર નિવિદા નં. ૧૩ સને ૨૦૨૦-૨૧
માર્ગ અને મકાન વિભાગ, ગુજરાત રાજ્ય

ગુજરાત રાજ્યના રાજ્યપાલશ્રી વતી કાર્યપાલક ઇજનેરશ્રી, પાટનગર યોજના વિભાગ નં. ૪, "બી" બ્લોક, પાટનગર યોજના ભવન, સેક્ટર નં. ૧૬, ગાંધીનગર-૩૮૨૦૧૬ ફોન નં. ૦૭૯-૨૩૨-૫૯૧૯૯, ૯૮ અને ૯૩ દ્વારા યોગ્ય લાયકાત ધરાવતા ઇજારદારો પાસેથી

કન્સ્ટ્રકશન ઓફ મલ્ટીસ્ટોરેડ, બિલ્ડીંગ ફોર સ્ટેટ લેવલ એન્ડ કોન્સ્ટીટયુશનલ ઓફીસ એટ ગાંધીનગર (કર્મયોગી ભવન બ્લોક નં. ૩ પ્રોવાઇડીંગ એન્ડ લેયીંગ એક્ષપોસ્ટ આર.સી.સી. ફીનીસ એન્ડ સીન્ચેટીક પ્લાસ્ટર) જેની અંદાજીત કિંમત રૂા.૪૧૮.૦૦ લાખ છે.

જે કામ ઈ-ટેન્ડરીંગ પદ્ધતિથી ઓનલાઇન માંગવામાં આવેલા છે. કામના ટેન્ડર ડોકયુમેન્ટ તથા વિગતો આ વેબસાઇટ www.mb.nprocure.com ઉપરથી તા.૧૫/૦૨/૨૦૨૧ ના ૧૮:૦૦ કલાક સુધી જોવા મળી શકશે. તેમજ ભરી શકાશે.

આ કામો અંગેની વધારાની માહિતી વિગતવાર ઉપરોક્ત કચેરી તથા વેબસાઇટ પરથી મળી શકશે.

ઓનલાઇન ટેન્ડર અંગે અપલોડ કરવાની છેલ્લી તારીખ સુધીમાં આ કચેરી તરફથી કરવામાં આવેલ સુધારા/ વધારા ઇજારદારશ્રીએ ધ્યાને લેવાના રહેશે અને ત્યારબાદ ભાવો ભરવાના રહેશે. આ બાબતે ઇજારદારશ્રીની અંગત જવાબદારી રહેશે.

માહિતી/૧૯૧૮/૨૦-૨૧

પશ્ચિમ રેલવે

ઈ-પ્રોક્યોરમેન્ટ નિવિદા સૂચના નં. એસ/05/2021 **તારીખ: 03.02.2021**

ક્ર.	મુદ્દાનું સંક્ષિપ્ત વર્ણન	માત્રા	ટી.ઓ.ડી.
84	13 ટી બોગી બ્રેક માટે લીવર	300 અદદ	15.02.2021
85	પિન ક્રેટર્ડ	2020 અદદ	15.02.2021
86	સ્લિપ્સ 85 એક્સલબ્લેચ	191 અદદ	16.02.2021
87	ગ્રુવ્ડ એસડ વીલ42 પીટ2.5 ગ્રીજ	684 કિગ્રા	18.02.2021
88	ઓટોમેટિક સોપ ડિસ્પેન્સર	25 અદદ	18.02.2021
89	કોમ્પન પાઇપ બ્રેકેટ	150 અદદ	19.02.2021
90	ટાઇપ રિસે વીસીબી માટે કન્ટેક્ટર	13 અદદ	22.02.2021
91	સર્કિટ બ્રેકર મેન કોમ્પ્રેસર	54 અદદ	22.02.2021
92	સર્કિટ બ્રેકર ડીસી	52 અદદ	22.02.2021
93	સર્કિટ બ્રેકર બેટરી ચાર્જર	27 અદદ	22.02.2021
94	ટેપ ચેન્જર માટે સબ ડિટ પીઓએચ-1	48 સેટ	22.02.2021
95	એલઈડી સિગ્નલ લાઈટીંગ યુનિટ ઈસપેક્ટ રૂટ, શંટ અને કોલિંગ ઓન	331 અદદ	24.02.2021
96	એલઈડી સિગ્નલીંગ લાઈટ યુનિટ ઈસપેક્ટ રેડ, યેલો અને ગ્રીન	233 અદદ	24.02.2021
97	ગોપલર સાથે 3ડી-2ડી ઈકો મશીન	1 અદદ	24.02.2021
98	પાર્કિંગ બ્રેક સિસ્ટમ માટે પાર્કિંગ બ્રેક સિલિન્ડર	107 અદદ	25.02.2021
99	સર્કિટ બ્રેકર ડીસી સપ્લાય	61 અદદ	25.02.2021
100	કોપર કેટેનરી વાયર (19/2.10 મિમી) 65 વર્ગ મિમી	122500 મીટર	26.02.2021
101	એકઆરપી સીટ સહ બેક રેસ્ટ	275 અદદ	26.02.2021
102	એમઆરવીસી-2 ઈમેમપુ રેક માટે આઈમેમએસ રેક	9 અદદ	26.02.2021
103	ઈ-ઈકેશન લેમ્પ તથા ઈલ્યુમિનેશન પ્રુફ બટનનો સેટ	66 સેટ	26.02.2021
104	ગીયર કેસ ટોર્ક આર્મ માટે સ્ફેરિક બ્લોક	580 અદદ	26.02.2021
105	હેડલાઈટ માટે સ્વીચ	52 અદદ	26.02.2021
106	બીસીએનએ વેગન માટે ફ્લોપ હોર	1132 અદદ	26.02.2021
107	સિરાપીક હાઈબ્રિડ બોલ બેરીંગ 6305	164 અદદ	27.02.2021
108	પેટલાઈઝ્ડ કાર્બન સ્ટ્રાઈપ્સ	746 અદદ	27.02.2021
109	સર્કિટ બ્રેકર સ્લવેન્જર બ્લોઅર ટીએમ	11 અદદ	27.02.2021
110	કાઈન્ડ ગીયર કપલીંગ	8 અદદ	27.02.2021

ક્રમાંક 97 માટે ટિપ્પણી: ઉમેદવાર આપૂર્તિકર્તાઓ સાથે જૂમ પર બોલી - પૂર્વ બેઠક તારીખ: 09.02.2021 ના બપોરે 3.00 કલાકે આયોજિત કરવામાં આવશે. જૂમ આઈડી 83682518410 છે તથા પાસવર્ડ 9wjJBJ છે. ઉપયુક્ત વિક્રેતા www.ireps.gov.in પરથી વિનિર્દેશન તથા નિવિદાનું વર્ણન પ્રાપ્ત કરી શકે છે. કોઈપણ પ્રકારના સ્પષ્ટીકરણ માટે વિક્રેતા **શ્રી એસ.બી. મિશ્રા (ડેપ્યુટી સીએમએમ / એકમિન) નો 9004490769** ઉપર સંપર્ક કરી શકે છે. વિસ્તૃત સુચના, ઈએમડી, ખરીદીના નિયંત્રણો તથા વિસ્તૃત નિવિદા શરતો સંબંધિત જાહેરાતી માટે મહેરબાની કરીને વેબસાઈટ www.ireps.gov.in તથા www.wr.indianrailways.gov.in જુઓ.

0638 **વતી પ્રધાન મુખ્ય સામગ્રી પ્રબંધક**

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OUTSOURCING SERVICES OF PSYCHOLOGICAL COUNSELOR AND FEMALE STAFF NURSE ON PART TIME / CONTRACTUAL BASIS FROM CIVIL FOR FY 2021-22

1. Commanding Officer, Air Force Station Gandhinagar invites applications for outsourcing of following medical services on part time contractual basis for FY 2021-22 as per the details given below to attend Air Force personnel & their families.

Services	Post	Visits / Week	Time
Psychological Counselor	One	Two visits / week	1000 hrs to 1300 hrs
Female Staff Nurse	One	Five visits / week	1000 hrs to 1400 hrs

2. Applicants along with photo copies (Two sets) of following documents are required to be forwarded. No original documents are to be sent along with the application:
(a) Specialist Qualification : (i) Psychological Counselor - M.A. Clinical Psychology / Diploma in Counselling. (ii) Female Staff Nurse - GNM.
(b) Additional Qualification : If any
(c) Experience Certificate
(d) Date of Birth Certificate

International Institute for Population Sciences
(Deemed to be University)
An Autonomous Organization of Ministry of Health & Family Welfare, Govt. of India, Govandi Station Road, Deonar, Mumbai – 400088.
Tel: 91-22-42373434/23724488/42373463, Website: www.iipsindia.ac.in
Email: admissions@iipsindia.ac.in/acadadmn@iipsindia.ac.in

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Master of Arts in Population Studies (M.A./M.Sc.)

Master of Science in Biostatistics and Demography (M.S.B.D.)

Master of Philosophy in Population Studies / Biostatistics & Demography (M.Phil.)

Ph.D. in Population Studies