



DECEMBER, 2021

एचयूआरएल दर्पण HURL Darpan

GORAKHPUR Special Issue

Hindustan Urvarak & Rasayan Limited

(A Joint Venture of NTPC, CIL, IOCL, FCIL & HFCL)



Coal India Limited
(A Maharatna Company)



IndianOil



FCIL
फ़िज़िक्स एंड केमिस्ट्री



HFCL
एच.एफ.सी. लि.





एक ऐतिहासिक कदमः
माननीय प्रधानमंत्री
श्री नरेन्द्र मोदी

द्वारा

गोरखपुर फ़र्टिलाइज़र प्लांट
का राष्ट्र को समर्पण
मंगलवार, 7 दिसंबर, 2021

Inception of HURL



The Union Cabinet of India chaired by Shri Narendra Modi, Hon'ble Prime Minister approved the revival of closed fertilizers units of Fertilizer Corporation of India Limited (FCIL) at Gorakhpur (Uttar Pradesh) & Sindri (Jharkhand) and one unit of Hindustan Fertilizer Corporation Limited (HFCL) at Barauni (Bihar).

With the above objective, Hindustan Urvarak & Rasayan Limited (HURL) was incorporated in 2016 as a joint venture company of three Maharatna companies of the country namely NTPC Limited (NTPC), Coal India Limited (CIL) and Indian Oil Corporation Limited (IOCL) as its' lead promoters. Fertilizer Corporation of India Ltd. (FCIL) and Hindustan Fertilizer Corporation Ltd. (HFCL) are its other two promoters.

The mandate given to HURL was to revive the old units of FCIL & HFCL by setting up new, State of the Art, Energy Efficient and natural gas based Environment friendly new fertilizer complexes (Ammonia-Urea) at Gorakhpur (Uttar Pradesh), Sindri (Jharkhand) & Barauni (Bihar), with a total production capacity of 38.1 Lakh Metric Tonnes per annum of neem coated prilled Urea.

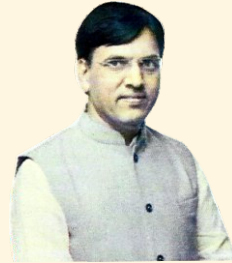
डॉ. मनसुख मांडविया
DR. MANSUKH MANDAVIYA



स्वास्थ्य एवं परिवार कल्याण
व रसायन एवं उर्वरक मंत्री
भारत सरकार
Minister for Health & Family Welfare
and Chemicals & Fertilizers
Government of India

3rd December, 2021

MESSAGE



The Government, under the leadership of Hon'ble Prime Minister has been committed to serve the farmers of the country and it has been our priority to ensure availability of fertilizers to the farmers at affordable prices aimed at promoting Integrated Nutrient Management.

2. In line with the Farmer First policy, HURL was incorporated in 2016 to make India "Aatmanirbhar" in meeting domestic Urea demands of the country by revival of closed fertilizer units at Gorakhpur (Uttar Pradesh), Sindri (Jharkhand) and Barauni (Bihar).
3. It is indeed a matter of pride for the country that a new fertilizer plant has been set up at Gorakhpur, Uttar Pradesh, with state of art and environment friendly technology. This is a historic moment for the country which shall stand benefited with the enhanced Urea supply and increased economic activity in the region, especially the Purvanchal region.
4. I congratulate the HURL team for achieving the challenging goal and wish them success for future.

(Dr. Mansukh Mandaviya)

अमिताभ कांत
Amitabh Kant
मुख्य कार्यकारी अधिकारी
Chief Executive Officer



भारत सरकार
नीति आयोग, संसद मार्ग,
नई दिल्ली-110 001
Government of India
NATIONAL INSTITUTION FOR TRANSFORMING INDIA
NITI Aayog, Parliament Street,
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1st December, 2021

MESSAGE

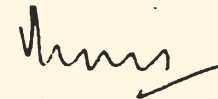
The Government has launched series of policy measures to achieve the vision of our Hon'ble Prime Minister of becoming self-reliant in meeting Urea needs of the country and bringing economic prosperity in the eastern India. Under this policy measure, HURL was mandated to revive the three closed urea units at Gorakhpur, Sindri and Barauni.

I am elated to know that Gorakhpur fertilizer plant is now set to be dedicated to the nation on 7th December' 2021 by the Hon'ble Prime Minister.

This is indeed a momentous occasion for the country which shall provide impetus to the "AatmaNirbhar" Bharat mission of the Government of India. This plant shall not only bridge the demand supply gap of Urea but also increase direct & indirect employment opportunities.

I am confident that this plant shall prove to be a big step towards prosperity of farmers.

My best wishes and appreciation to HURL for its' commendable efforts.



(Amitabh Kant)



आर. के. चतुर्वेदी
सचिव

R. K. Chaturvedi
Secretary



सत्यमेव जयते



भारत सरकार
रसायन और उर्वरक मंत्रालय
उर्वरक विभाग
कक्ष संख्या 217, 'ए' विंग, शास्त्री भवन,
डॉ. राजेन्द्र प्रसाद रोड़, नई दिल्ली-110 001
Government of India
Ministry of Chemicals & Fertilizers
Department of Fertilizers
Room No. 217, 'A' Wing, Shastri Bhavan,
Dr. Rajendra Prasad Road, New Delhi-110 001
Tel.: 23381275/23383695/Fax: 23387965
E-mail: fertsec@nic.in

2nd December, 2021

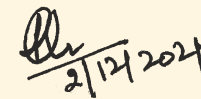
MESSAGE

India is primarily an agriculture-based economy where right usage of fertilizer is critical in increasing the yield, productivity and farmer's income. HURL was formed to play a pivotal role in augmenting domestic Urea production and reducing import dependence by way of setting up of state of the art, energy efficient and environment friendly Urea plants in eastern India located at Gorakhpur (U.P), Sindri (Jharkhand) and Barauni (Bihar).

It is a matter of immense pleasure and pride that first of these three plants located at Gorakhpur in Uttar Pradesh is set to be dedicated to the nation on 7th December 2021 by Hon'ble Prime Minister of India.

This plant is of significant importance to the nation as it would augment the domestic capacity of urea production to the tune of 12.7 LMT per annum.

I congratulate HURL and all stake holders for achieving this historic feat and appreciate the excellent demonstration of team efforts and dedication.



(R. K. Chaturvedi)



एस. एम. वैद्य
अध्यक्ष
S. M. Vaidya
Chairman

इंडियन ऑयल कॉर्पोरेशन लिमिटेड
कॉर्पोरेट कार्यालय: 3079 /3, सादिक नगर,
जे.बी. टी. मार्ग, नई दिल्ली-110049

Indian Oil Corporation Limited
Corporate Office: 3079/3, Sadiq Nagar,
J.B. Tilo Marg, New Delhi-110049
Direct :91-11-2620101
E-mail: chairman@indianoil.in



Message

Dear Team HURL,

Hearty congratulations on this momentous occasion ! Your commitment and focus will soon be culminating in a landmark event when Hon'ble Prime Minister of India Shri Narendra Modiji will dedicate the Gorakhpur Fertilizer Plant to the nation. The stature of this event reflects the criticality of this project from a national perspective, and as the leader of the vibrant HURL Team, my heart is filled with pride.

You must recognize the phenomenal role you have played, individually and as a team, to nurture this aspirational project that leverages the combined expertise of leading Indian Maharatnas- IndianOil, NTPC and CIL in collaboration with FCIL & HFCL- to create Hindustan Urvarak and Rasayan Limited(HURL).

I am sure that with our motto of "Safety first", your continued energy and focus will be driving the On-time commissioning of all our plants viz. Gorakhpur, Sindri and Barauni.

I extend my best wishes to Team HURL, for strengthening India's Urea *Aatmanirbharta* that is quintessential to propel agricultural sector. I can confidently say that HURL is poised to build on the excellent synergy between the leading PSUs and usher in a paradigm shift in the Indian fertilizer space.

Best Wishes!



SM Vaidya
Chairman, HURL

2nd December' 2021



गुरदीप सिंह
अध्यक्ष एवं प्रबन्ध निदेशक
GURDEEP SINGH
Chairman & Managing Director



एन टी पी सी लिमिटेड

(भारत सरकार का उद्यम)

NTPC Limited

(A Govt. of India Enterprise)

केन्द्रीय कार्यालय / Corporate Centre

1st December, 2021

MESSAGE

It is a matter of immense pride that the Gorakhpur Fertilizer Plant of Hindustan Urvarak & Rasayan Limited (HURL) is ready to be dedicated to the nation on 7th December, 2021 by Hon'ble Prime Minister.

The new fertilizer plant with a production capacity of 1.27 Million Metric Tonne Per Annum neem coated urea shall be a huge milestone in attaining the intended purpose of HURL's formation i.e. to achieve self-sufficiency in meeting domestic demand of urea.

Despite the challenges posed by two waves of global pandemic COVID-19, HURL has been able to achieve its target with speed and perfection. I applaud the HURL team for their commendable efforts and wish that similar success is replicated in the other two plants at Sindri and Barauni.



(Gurdeep Singh)

प्रमोद अग्रवाल
अध्यक्ष-सह-प्रबंध निदेशक
Pramod Agrawal
Chairman-Cum-Managing Director



कोल इंडिया लिमिटेड
COAL INDIA LIMITED
(A MAHARATNA COMPANY)
A Govt. of India Enterprise
"COAL BHAWAN"
Premises No. 04, MAR, Plot No. AF-III
Action Area-1A, New Town, Rajarhat
Kolkata-700 156



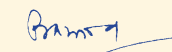
MESSAGE

Hindustan Urvarak & Rasayan Limited came into being in 2016 with the noble concept of reviving the closed fertilizer units at Gorakhpur, Sindri and Barauni to provide motivation to farmers in the states of Uttar Pradesh, Jharkhand and Bihar and fuel the economic progress.

HURL is the result of coming together of leading PSUs, Coal India Limited, Indian Oil Corporation Limited, NTPC Limited along with Fertilizer Corporation of India Limited (HFCL) and Hindustan Fertilizer Corporation Limited (HFCL).

The company has made significant strides since its inception and today is set to deliver to the country an energy efficient and eco-friendly neem coated urea manufacturing plant at Gorakhpur, Uttar Pradesh. The production of 'of 'Neem Coated Urea' from this plant will augment indigenous Urea production, ensure easier and timely access of Urea to farmers and contribute significantly to the country's agricultural growth.

I convey my appreciation to the HURL team for their unceasing efforts in achieving this feat. I wish them success in their endeavor to make urea available to the farming community of the country.



(Pramod Agrawal)

Kolkata
03/12/2021



From the Desk of Managing Director & CEO

Dear Readers,

As I look back at the journey of HURL that started 5 years ago, I feel both proud and humbled with the realization that HURL is set to turn the dream, which the nation saw in 2016, into reality. The dream to achieve self-sufficiency in meeting the domestic Urea needs of the nation by revival of three old fertilizers plants at Gorakhpur, Sindri & Barauni, thus laying the edifice for economic development in the eastern part of the country.

In 2016, the revival of closed urea units of Fertilizer Corporation India Limited (FCIL) at Sindri (Jharkhand) and Gorakhpur (Uttar Pradesh) and one unit of Hindustan Fertilizer Corporation Limited (HFCL) at Barauni (Bihar) was approved by the Union Cabinet chaired by the Honourable Prime Minister Shri Narendra Modi ji & accordingly, Hindustan Urvarak & Rasayan Limited (HURL) was incorporated on 15.06.2016 as a joint venture of Indian Oil Corporation Limited (IOCL), NTPC Limited (NTPC), Coal India Limited (CIL), Fertilizer Corporation of India Limited (FCIL) and Hindustan Fertilizer Corporation Limited (HFCL) for undertaking the crucial and colossal task of setting up of these three fertiliser plants. Incidentally, this is first time in the world that a single entity was entrusted with the responsibility of implementing 3 mega projects concurrently.

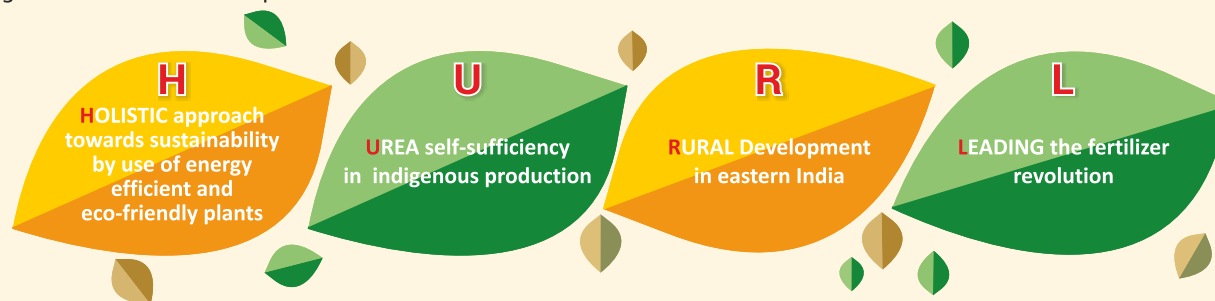
Today, we are at the threshold of achieving the target that was set for Gorakhpur project. On the 7th December 2021, the Gorakhpur fertilizer plant shall be dedicated to the nation by the Hon'ble Prime Minister of India, Sh. Narendra Modi ji and with this a new dawn shall usher upon the fertilizer sector of India in general and Purvanchal in particular.

The journey of HURL, Gorakhpur has been a unique one, full of challenges and unprecedented situations, however, what has been more predominant is the desire and determination to revive the closed fertilizer unit and to bring about economic prosperity in the region. I am extremely proud of my team who tirelessly worked day & night to achieve this mammoth task and fighting two severe waves of COVID 19 pandemic in which HURL also lost many of its officers who fell victim of this virus.

Through the pages of this newsletter, I would like to express gratitude to the Central Government, State Government, promoter companies, Indian Oil Corporation Limited (IOCL), NTPC Limited and Coal India Limited (CIL) along with HURL lenders, entire HURL fraternity and all stakeholders for their continuous support and cooperation in the development of the Gorakhpur project. The inspiring leadership of our Hon'ble Prime Minister, Hon'ble Chief Minister, Uttar Pradesh & Hon'ble Minister of Chemicals & Fertilizers played a crucial role in motivating the team HURL. I also express my gratitude to CEO, NITI Aayog and Secretary Fertilizers for their unstinted support and encouragement and all the officers of Department of Fertilizers without whose help the Gorakhpur project could not be completed.

I look forward to the successful operation of the Gorakhpur plant for decades to come and with great pleasure present the journey of the Gorakhpur plant to you through this special issue. I hope that you will enjoy reading our exciting journey seen through my eyes from day 1 when HURL was incorporated on 15.06.2016.

Arun. K. Gupta



Key Strategic Milestones

2016



Unveiling of Foundation Stone by Hon'ble Prime Minister Shri Narendra Modi - 22nd July, 2016

2017



Bhumi Pujan ceremony by Hon'ble Chief Minister of Uttar Pradesh, Yogi Adityanath - 16th October, 2017

2017



Public Hearing for obtaining Environment Clearance – 20th April, 2017

2018



Main Plant Contract Award signing ceremony (LSTK) with Consortium of M/s Toyo Engineering Corporation, Japan and M/s Toyo Engineering India Pvt. Limited, Mumbai – 9th June, 2018

2018

Achievement of Financial Closure on signing of Rupee Term Loan Agreement with consortium of Banks - 20th September, 2018

2020

Signing of MoU with Department for Fertilizer for Interest free loan to HURL - 8th September, 2020

2018

Land Lease & Concession Agreement signing with FCIL - 6th September, 2018

2019

Signing of Gas Supply & Transportation Agreement with GAIL (India) Limited - 1st May, 2019

Journey of Revival...



Old Unit of FCIL



Site Levelling

Night view of New Fertilizer Plant



Plant Overview



HRSG



Ammonia Unit



Urea Unit



Ammonia Cooling Tower



Urea Prilling Tower

संयंत्र की मुख्य विशेषताएं और लाभ

उत्पाद	नीम लेपित यूरिया
संयंत्र क्षमता	2200 मीट्रिक टन प्रति दिन अमोनिया एवं 3850 मीट्रिक टन प्रति दिन यूरिया
वार्षिक उत्पादन	12.7 लाख मीट्रिक टन प्रील्ड नीम लेपित यूरिया
मूल समय सारणी	38 महीने – (अप्रैल, 2021)
फीड स्टॉक – प्राकृतिक गैस	2.23 एमएमएससीएमडी
प्राकृतिक गैस का स्रोत	जगदीशपुर–फुलपुर–हल्दिया पाइपलाइन
पानी की आवश्यकता	1400 घन मीटर/प्रति घंटा
जल का स्रोत	रोहिणी/राप्ती नदी – चिलवा ताल के माध्यम से
भूमि पट्टा हस्तांतरण	598 एकड़
परियोजना की लागत	8600 करोड रुपये

- ◆ यूरिया उर्वरक उत्पादन में देश को आत्मनिर्भर बनाना
- ◆ सबसे आधुनिक, प्राकृतिक गैस आधारित पर्यावरण के अनुकूल और ऊर्जा कुशल संयंत्र
- ◆ दुनिया का सबसे ऊंचा 149.2 मीटर का प्रिलिंग टावर
- ◆ भारत का सबसे अच्छा वायु संचालित रबर बांध
- ◆ अत्याधुनिक ब्लास्ट प्रूफ कंट्रोल रूम
- ◆ स्थानीय लोगों के लिए रोजगार के अवसरों में वृद्धि
- ◆ पूर्वांचल के नागरिकों के लिए आर्थिक समृद्धि
- ◆ विदेशी मुद्रा की बचत

Distinct features of Gorakhpur Fertilizer Plant

1



State of the art blast proof control room equipped with DCS (Distributed Control System), ESD (Emergency Shutdown system), and Environment Monitoring System etc.

2



World's tallest 149.2 meter Prilling Tower

3



India's First Air operated Bullet Proof Rubber Dam, 65 mtrs. length and 2mtrs. height

4



No offsite waste water disposal

Marketing Initiatives



Signing of Memorandum of Understanding with Rashtriya Chemicals & Fertilizers (RCF) for Joint Marketing - 23rd November, 2019



Launching of HURL Brand logo "APNA UREA Sona Ugle" by Shri D.V. Sadananda Gowda, the then Hon'ble Minister of Chemicals & Fertilizers, Gol, in the august presence of Dr. Mansukh Mandaviya, the then Minister of State for Chemicals & Fertilizers and Health & Family Welfare - 17th January, 2020



Launch of Marketing activities in Uttar Pradesh by Hon'ble Chief Minister, Uttar Pradesh Yogi Adityanath - 15th July, 2020



Launch of HURL Crop Advisory Services - 6th January, 2020



Launch of Apna Urea App - 14th February 2020

कॉर्पोरेट पर्यावरण उत्तरदायित्व की दिशा में बढ़ते कदम...

40 करोड़ रुपये से अधिक की सीईआर परियोजनाएं स्वीकृत

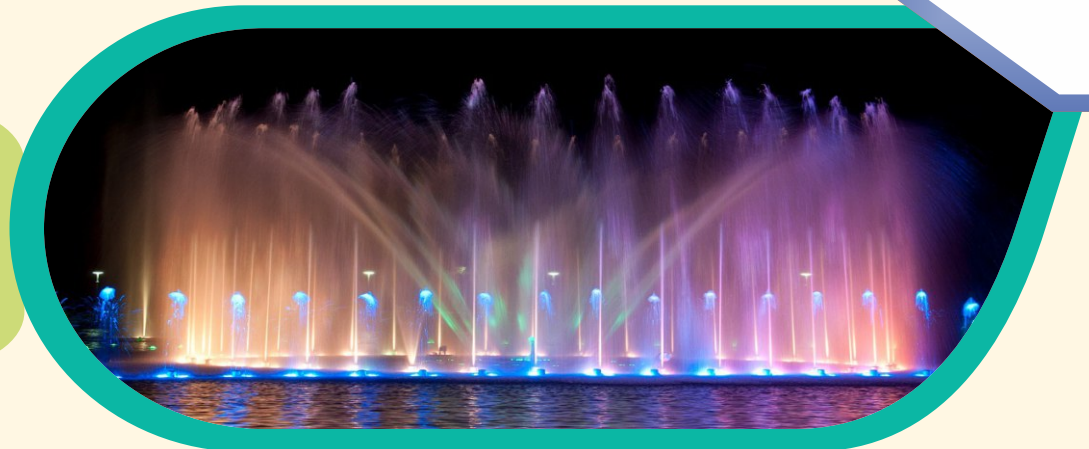
सीईआर परियोजनाओं के कार्यान्वयन के लिए गोरखपुर विकास प्राधिकरण के साथ समझौता ज्ञापन निष्पादित। गोरखपुर के लोगों के कल्याण और आर्थिक विकास के लिए अगले 3 वर्षों की अवधि में सहयोग करने के लिए जिला प्रशासन के साथ एक और समझौता ज्ञापन भी शीघ्र ही क्रियान्वित किया जा रहा है।



स्वास्थ्य बुनियादी ढांचे का निर्माण – जिले में कोविड 19 के साथ-साथ जापानी इंसेफेलाइटिस / एक्यूट इंसेफेलाइटिस सिंड्रोम से लड़ने के लिए, 17 बाल चिकित्सा गहन देखभाल इकाइयों का, 24.2 करोड़ रुपये की लागत पर कार्यान्वयन किया जा रहा है।



रामगढ़ ताल को उत्तर प्रदेश राज्य/ पूर्वांचल क्षेत्र के लिए एक आकर्षक पर्यटन स्थल के रूप में विकसित करने के उद्देश्य से, 3.5 करोड़ रुपये की लागत से, ताल फ्रंट का 2.2 कि.मी. लंबाई तक के विकास के कार्य का कार्यान्वयन किया जा रहा है।





हरनाही एवं कैम्पियरगंज प्रखंड के सामुदायिक स्वास्थ्य केन्द्रों पर 71 लाख रुपये की लागत से 2 चिकित्सा ग्रेड ऑक्सीजन संयंत्रों (18 घन मीटर प्रति घंटा क्षमता प्रत्येक) की कमीशनिंग का कार्य पूर्ण हो गया है।



42 लाख रुपये की लागत से 12 स्कूलों में स्वच्छ पेयजल की सुविधा के विकास के कार्य का कार्यान्वयन किया जा रहा है।



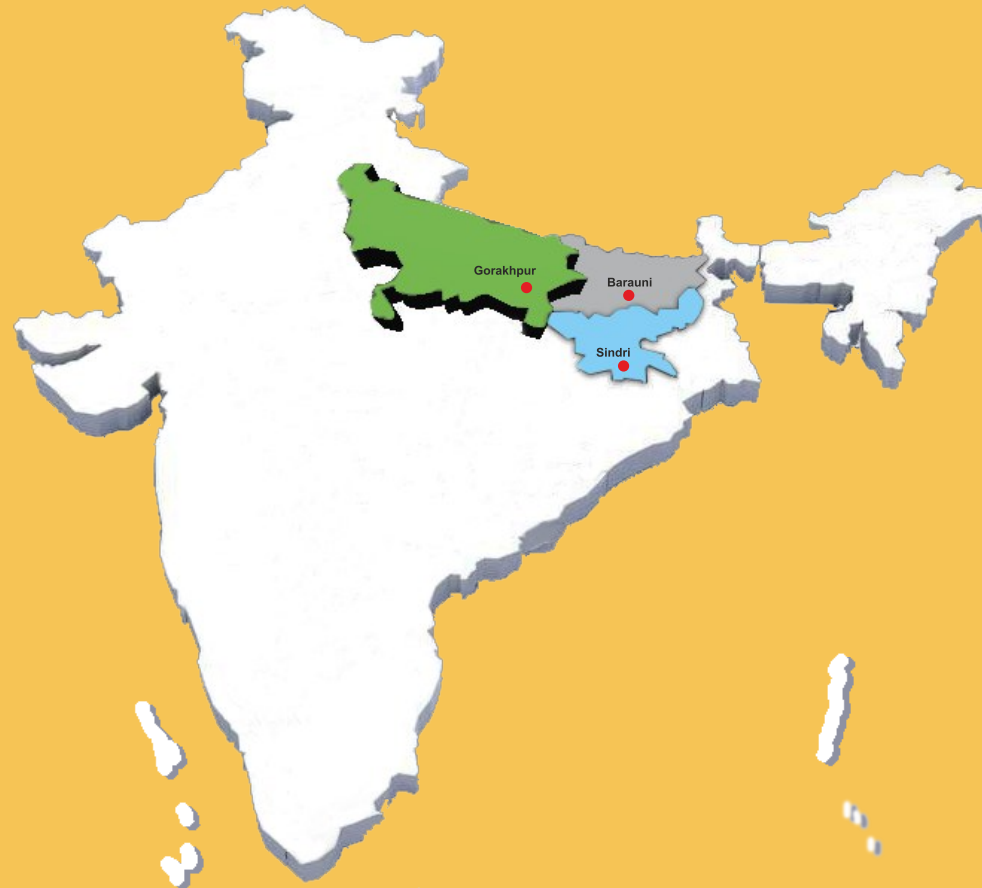
गांव के बहु-क्षेत्रीय, बहु-कार्यात्मक और एकीकृत बुनियादी ढांचे के विकास के उद्देश्य से, 12.3 करोड़ रुपये की लागत से, सोनबरसा ग्राम को "आदर्श ग्राम" के रूप में विकसित करने के कार्य का कार्यान्वयन किया जा रहा है।



Visit of Dr. Mansukh Mandaviya,
Hon'ble Minister of Chemical &
Fertilizers and Health &
Family Welfare at Gorakhpur Plant



Visit of Shri Dharmendra Pradhan,
the then Union Minister of Petroleum
& Natural Gas and Steel and Hon'ble Chief
Minister of Uttar Pradesh Yogi Adityanath



Visit of Hon'ble Chief Minister of Uttar Pradesh
Yogi Adityanath and Shri D V Sadananda Gowda,
Former Minister of Chemicals and Fertilizers
and Statistics & Programme Implementation



Project Progress review by
Hon'ble Chief Minister of Uttar Pradesh
Yogi Adityanath and Shri R.K. Chaturvedi,
Secretary Fertilizers, GoI



हिन्दुस्तान उर्वरक एवं रसायन लिमिटेड
Hindustan Urvarak & Rasayan Limited
(A Joint Venture of NTPC, CIL, IOCL, FCIL & HFCL)

Core-4, 9th Floor, SCOPE Minar, Laxmi Nagar District Centre, Delhi-110092
कोर-4, 9वाँ तल, स्कोप मीनार, लक्ष्मी नगर डिस्ट्रिक्ट सेन्टर, दिल्ली-110092