हिन्दुस्तान उर्वरक एवं रसायन लिमिटेड, गोरखपुर
HINDUSTAN URVARAK & RASAYAN LTD., GORAKHPUR
(A Joint Venture of NTPC, CIL, IOCL, FCIL & HFCL)
कार्यालय : प्रशासनिक भवन, एच.यू.आर.एल कैम्पस, फर्टिलाइज़र, गोरखपुर-273 007 उ.प्र. भारत, दूरभाष : 0551-2261177
Office : Administrative Building, HURL Campus, Fertilizer, Gorakhpur - 273 007 U.P. India. Telefax : 0551-2261177

Ref. No.: HURL/GKP/22-23/ 11

16th November 2022

Ministry of Environment, Forest & Climate Change
Integrated Regional Office, Lucknow
Kendriya Bhawan, 5th Floor, Sector-H, Aliganj
Lucknow-226024

Kind Attention: Dr. A. K. Gupta, Additional Director

Subject: Compliance Report for the period from April 2022 to September 2022 of M/s Hindustan Urvarak & Rasayan Limited (HURL)-Ammonia (2200 MTPD) & Urea (3850 MTPD) Fertilizer Project at Gorakhpur, Uttar Pradesh, U.P.

Ref:(i) MoEF&CC, Environmental Clearance Letter No. J-11011/166/2016-IA II (I) dated 31.07.2017.

Dear Sir,

With reference to the subject, please find attached herewith the compliance report for the period April, 2022 to September 2022.

Best regards.
for Hindustan Urvarak and Rasayan Limited

Sanjai Kumar Gupta
Vice President- Technical

COMPLIANCE REPORT

(MoEF & CC File No. J-11011/166/2016-IA II (I) dated 31/07/2017)
For the period

APRIL, 2022 TO SEPTEMBER,2022

Submitted

TO

MoEF & CC, Regional Office (ECZ), Lucknow

AMMONIA UREA FERTILIZER PLANT

(2200 MTPD Ammonia & 3850 MTPD Urea)

GORAKHPUR

November,2022

हिंदुस्तान उर्वरक एवं रसायन लिमिटेड
HINDUSTAN URVARAK & RASAYAN LTD.
(A joint Venture of NTPC, CIL, IOCL, FCIL & HFCL)

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COMPLIANCE OF EC CONDITIONS FOR THE PERIOD April, 2022 to September 2022

Sl. No.	EC Conditions	Compliance status
(A) SPECIFIC CONDITIONS		
1	Emissions-limits for the pollutants from the Diesel Generator Sets and the stack height shall be in conformity with the extant statutory regulations and/or the CPCB guidelines in this regard.	Diesel Generator Sets (EDG) were commissioned & used only during emergencies. Normally EDG will remain in standby condition / non-working mode. Anyhow Emissions-limits for the pollutants from the Diesel Generator Sets and the stack height are as per statutory guidelines. This point is in compliance and closed.
2	To control source emissions, scrubber and/or other suitable pollution control device shall be installed to meet the prescribed Particulate Matter emission norms of 50 mg/Nm3, and also the NATIONAL AMBIENT AIR QUALITY STANDARDS.	Pollution control devices are installed to control the particulate matter emissions within the norm's. The AAQ analysis is attached for ready reference in **Annexure 1**.
3	Fresh water requirement shall not exceed 5.36 cum/ton of Urea production. Fresh water for plant operation shall be sourced only from Chilwa Tal.	HURL has made an agreement with the Nagar Nigam of Gorakhpur for consumption of water from the Chilwa Tal for process utility. Fresh water Consumption is within limits. **Please refer to Annexure 2.**
4	Plantation shall be carried out around the Chilwa Tal.	Digging work and Land filling and levelling work around Chilwa Tal is under progress and expected Date of Completion of this work is March 2023. This is important for development of good routing conditions for the planting, including a sufficient volume of routable soil is required. After that plantation shall be carried out in consultation with the district forest department by selecting the local Plant species which flourish in the area's climate & supports maximum biodiversity in the environment.
5	As already committed by the project proponent, no waste/treated water shall be discharged outside to ensure ZLD. Water consumption shall	The Project is based on Zero Liquid Discharge concept adopting 3R's and when the plant becomes operational, no waste/treated water will be discharged outside the Plant.

	be reduced by adopting 3 R's (Reduce, Reuse & Recycle) concept in the process.	
6	Industry shall develop Greenbelt with 10 m width along the plant periphery with three layers of perennial native plant species. 33% of the total project cover area i.e. nearly 130 acres out of 350 acres of area of the Project, shall be developed as green area with plantation of native perennial trees.	The plantation of 5000 trees is raised to the District Forest Department and Rs. 27,35,000/- is paid for execution of the same has been completed. Ist phase photographs are attached as **Annexure 3** For the starting of IInd Phase 17500 trees plantation quotation is awaited from the District Forest Department. A letter copies attached **Annexure 4**
7	A plan shall be prepared and implemented for the conservation of Chilwa Tal giving special emphasis on protection of conservation of its natural recharge channels	Water from Chilwa Tal is the only source of fresh water being used during operation of the Plant. HURL has taken up a project of deepening and dredging of Chilwa Taal for increase in the water storage capacity so as to meet the plant's requirement. Dredging work is in progress by which water bodies & Sludge are being removed on a regular basis. Please refer **Annexure 5.** The dredging material is used for land filling in the nearby locality of Chilwa Taal. Dredging of Chilwa Taal is ongoing.
8	All the commitments made during Public Hearing/Public Consultation meeting held on 24th April, 2017 shall be satisfactorily implemented and adequate budget provision should be made accordingly.	Commitments made during the Public Hearing/Public Consultation meeting held on 24th April, 2017 are under progress. The budget for the same are allocated according to the requirement. For the skill development programme, land is identified and registration is in process.
9	At least 2.5% of the total cost of the project shall be earmarked towards the Enterprise Social Commitment (ESC) based on local needs and action plan with financial and physical breakup/details shall be prepared and submitted to the Ministry's Regional Office at Lucknow. Implementation of such program shall be ensured accordingly in a time bound manner	ESC program is being carried out and adequate budget will be provided from the Project in phase-wise. Detailed status along with budget spent will be sent to the Ministry's regional office once the plant becomes operational. Following activities are in progress: 1-Installation of RO plant water purifier in nearby Villages (Schools). Work awarded to M/s Oxybee solutions Pvt. Ltd and said work is

	within 5 years. The ECS plan will include following activities: a) Up-gradation of existing school with modern education facilities b) Planting of 5000 trees per year in 5 year in nearby villages in consultation with the local / forest dept. Survival rate of the plants shall be reported to RO, MoEF&CC in 6 monthly compliance report. Conservation plant for shall be continue with. c) Safe drinking water facility with RO plant in villages located within 3 Km radius of the plant with maintenance cost.	completed. Work completion certificate issued by BSA-Gorakhpur **Annexure 6**. Project Cost 0.17 Crore 2-Development of Model village at Sonbarsa, Gorakhpur. MoU signed between GDA & HURL. LOA awarded to PMC. Work awarded to M/S Arunima Construction and M/S H.S. Construction. Project work will start on the 1st week of Nov 2022 Project Cost 12.3 Crore. 3-Installation of Oxygen Plant at Harnahi & Campierganj CHC's. is completed and handed over to respective CHCs in charge. Project Cost 0.72 Crore. 4-Creation of Health Infrastructure Paediatric Intensive Care Unit-PICU at 17 CHC's. MoU signed between GDA & HURL. LOA awarded to PMC. Tender uploaded on e-tender website (UP Govt) by GDA. Project Cost 24.05 Crore. 5-Development of Ramgarh Taal- Facelift and place marking, District Gorakhpur. MoU signed between GDA & HURL.LOA awarded to PMC. Implementing Agency is selected through a tendering process. Work order will be issued shortly. Project Cost 3.5 Crore. b) Plantation of 5000 trees in nearby villages in consultation with the local / forest dept. A letter received from SDM Gorakhpur for land allotment of 1.946 hectare nearby Villages. Approval is under progress for Ist Phase plantation.
10	A regular environment manager having post graduate qualification in environmental sciences/environmental engineering to be appointed for looking after the environmental management activities of the proposed plant.	The EC conditions are relating to establishment of an Environmental Cell operational as Environment & quality Control department. A regular Environment and Quality Control Manager having Ph.D. qualification has been appointed to look after the activities of the proposed plant **This point is in compliance and closed.**
11	Continuous online (24 X 7) monitoring system for emissions and effluent generation shall be	The installation of the continuous monitoring system done according to the CPCB guidelines.

	installed for flow/discharge measurement and the pollutants concentration within the plant. Data shall be uploaded on company's website and provided to the respective RO of MoEF& CC, CPCB and SPCB.	Mail confirmation received for provisional connectivity. Software connectivity is under progress, later data will be uploaded on website and can be viewed by the respective RO of MoEF & CC, CPCB and SPCB. Bi weekly monitoring is carried out. **Annexure 7.**
12	The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Firefighting system shall be as per the norms. The ammonia storage shall be limited to 2 days.	This has been addressed in the Detailed Project Report and RRA conducted for the Project and recommendation shall be complied with Plant during operation of the plant. Firefighting system has been installed in the entire complex and is in operation. In addition, 03 Nos of fire tenders have been stationed at the plant complex to meet any exigency.
13	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	Regular health check-up/monitoring of the operational labourers is being done as per the schedule and records are being maintained for the same. All the workers are ensured to be equipped with PPEs such as helmets, hand gloves, boots etc. before entering the plant.
14	Storage of hazardous raw material shall not exceed more than 7 days.	Complied with. Authorization obtained from UPPCB on dated 09/09/2021, for hazardous waste under Hazardous Waste Management Rules. Ref No 14826/UPPCB/Gorakhpur/(UPPCBRO)/HWM/ GORAKHPUR/2021. As on 30 September, 2022, no Hazardous raw material is being stored. Annual Return in Form IV will be submitted along with the compliance of condition mentioned in HW Authorization issued. **This point is in compliance and closed.**
15	Urea dust shall be controlled by prescribed standard technique.	Complied with. Cyclone separators are installed for controlling urea dust. Height of Prilling tower is 149.2 meter it is quite high that controls dust emission

B	GENERAL CONDITIONS	
i)	The Project authorities shall strictly adhere to the stipulations made by the State Pollution Control Board (SPCB), State Government and any other statutory authority.	HURL complies with the conditions laid by UPPCB, UP State Government and any other statutory authority during commissioning and operation phase of the plant.
ii)	No further expansion or modifications in the Plant shall be carried out without prior approval of the MoEF&CC. In case of deviations or alterations in the project proposal from those submitted to MoEF&CC for clearance, a fresh reference shall be made to the Ministry to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.	This condition will be complied with as stated.
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 stations is installed in the upwind and downwind direction as well as. Where maximum ground level concentrations are anticipated.	The locations of ambient air quality monitoring have been decided in consultation with the UP-State Pollution Control Board (UPPCB) and HURL officials for monitoring of Air Quality during the construction phase. 6Nos. of AAQMS have been installed in the project area out of which two stations are selected in up-wind and two stations are selected in down-wind directions.
iv)	The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated is November, 2009 shall be followed.	All efforts are being made to contain the fugitive dust emission within the standard limits.
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 the Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).	All efforts are being made to contain the noise levels within the standard limits at the plant round the clock. All equipment deployed at site are ensured to have acoustic hoods and silencers/enclosures on sources of noise generation. The workers at site are equipped with ear muffs.
vi)	The Company shall harvest rainwater from the roof tops of the buildings and storm water drains to recharge the ground water and use the same	This condition has been complied during the designing of the buildings and rainwater harvesting system has been placed.

	water for the process activities of the project to conserve fresh water.	**This point is compiled and closed.**
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.	Complied. Training record are attached as **Annexure 8**
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, risk mitigation measures and public hearing be implemented.	This condition will be complied in totality as stated.
ix)	The company shall undertake all relevant measures for improving the socio-economic conditions of the surrounding area. CSR activities shall be undertaken by involving local villages and administration.	CSR activities will be undertaken by involving local villages and administration as per the extant Government guidelines. Currently said activities are being taken up with CER Funds.
x)	The company shall undertake all eco-developmental measures including community welfare measures for overall improvement of the environment.	This will be undertaken by involving local villages and administration as per rules and Government guidelines. Currently said activities are being taken up with CER Funds.
xi)	A separate Environmental Management Cell equipped with full-fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.	A separate Environmental Management Cell equipped with full-fledged laboratory facilities are fully functional and started Environmental Management and Monitoring functions.
xii)	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	This stated condition will be complied by HURL.

	for any other purpose. (xiii) A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, Zila Parishad/Municipal Corporation, Urban local Body and the local NGO, if any, from whom suggestions, representations, if any, were received while processing the proposal.	
xiii)	A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, Zila Parishad /Municipal Corporation, Urban local Body and the local NGO, if any, from whom suggestions, representations, if any, were received while processing the proposal.	A copy of the clearance letter along with the amendment letter sent to the local Panchayat and Gorakhpur Municipal Corporation Apart from this, the copy of Environment Clearance letter issued by MoEF&CC have been uploaded to company website **www.hurl.net.in** and also advertised in the local editions of English and Hindi newspapers for reference of everyone.
xiv)	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 mail) to the respective Regional Office of MoEF& CC, the respective Zonal Office of Environmental Clearance and six-monthly compliance status reports shall be posted on the website of the company.	**Complied.**
xv)	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-mail.	The Environment Statement for the financial year ending 31st March ,2022 in From-V submitted on time. Copy of the latest Environmental Statement is attached in **Annexure 9** for reference.
xvi)	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	This point is in compliance and closed.

	Website of the Ministry at http://moef.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.	
xvii)	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.	Date of start of project :27 Feb 2018 The date of financial closure is 20.09.2018. COD of the Gorakhpur Project is declared on 03.05.2022.

डॉ. आदर्श कुमार
प्रबन्धक (पर्यावरण और गुणवत्ता नियंत्रण)
Dr. Adarsh Kumar
Manager (E & QC)
हिंदुस्तान उर्वरक एवं रसायन लिमिटेड, गोरखपुर
HURL, Gorakhpur

Compliance of EC conditions for the period April 2022 - September 2022 for proposed Ammonia - Urea (2200MTPD & 3850 MTPD) plants of HURL at Gorakhpur

Annexure - I

This Compliance Report is the fulfillments of the condition of the Environmental Clearance (EC) vide File No.**EC [IA/UP/IND2/54269/2016, J – 11011/166/2016- IA II (I)]** for the period of April 2022 to September 2022. This report has been prepared by Projects and Development India Limited (PDIL) by collecting respective samples in consultation with the State Pollution Control Board (SPCB) officials and Hindustan Urvarak and Rasayan Limited (HURL) officials. During the above mentioned period the analysis of the environmental parameters has been conducted by the MoEF&CC recognized Laboratory at PDIL, Noida under the strict supervision of the Government Analysts.

The proposed project is located at Gorakhpur with the capacity of 2200MTPD Ammonia and 3850MTPD Urea in the District Gorakhpur in the state of Uttar Pradesh. The area falls in the agricultural belt of the Uttar Pradesh.

The compliance report fulfills the 15 Nos. of Specific Conditions and 17 Nos. of General Conditions led by Ministry of Environment, Forests and Climate Change. Rainwater Harvesting and Ground Water charging has been proposed as per Standard Guidelines:

- Guidelines on Artificial Recharge of Water, Central Water Ground Board, Ministry of Water Resources, GoI (2000)
- Manual on Artificial Recharge of Ground Water, Central Water Ground Board, Ministry of Water Resources, GoI (2007)
- Rain Water Harvesting and Conservation: Manual, Consultancy Services Organization, CPWD, GoI (2002)

The green belt proposed by MoEF&CC is under review for selection of suitable plant species in consultation with local experts of the area.

The Environmental Monitoring report of 6 months w.r.t Air, Water and Noise have been presented separately with the average values. The environmental conditions and the compliance have been found normal as per the Standards. The Air Quality results have been presented through a self explanatory table with the NAAQ Standards w.r.t the parameter PM_{10}, $PM_{2.5}$, NO_X, SO_2, C_6H_6, CO, Benzo (a) pyrene (BAP), NH_3, Ozone, Nickel, Arsenic and Lead. Three sets each of Ground Water Samples and Surface Water Samples have been collected, analyzed in a self explanatory table and compared with Drinking Water Standards (IS:10500:2012). The analysis consists of eight nos. of physical parameters, thirteen nos. of chemical parameters, nine nos. of Heavy metals and three nos. of miscellaneous parameters. Noise Quality has also been measured at six different locations in the periphery of the project area. The results have been presented through self explanatory table consisting of the Standard NAAQS w.r.t. noise.

The above report with respect to Air, Water and Noise represents the average values of different sampling stations collected at different time during the study period of April 2022 to September 2022.

ओकीश छोकर
सरकारी विश्लेषक
पर्यावरणीय प्रयोगशाला
(केन्द्रीय प्रदुषण नियंत्रण बोर्ड)
प्रोजेक्टस एण्ड डेवलपमेंट इण्डिया लिमिटेड
(भारत सरकार का उपक्रम)

Compliance of EC conditions for the period April 2022 - September 2022 for proposed Ammonia - Urea (2200MTPD & 3850 MTPD) plants of HURL at Gorakhpur

HURL GORAKHPUR, AIR QUALITY DATA – (April 2022 to September 2022)

MONTH	Parameters		NAAQS Standards	HURL Plant (SA1)	HURL Admin Building (SA2)	HURL Quarter No B - 28 (SA3)	HURL residence Quarter No D- 186 (SA4)	Karmaha Village (SA5)	Bargadwah (SA6)
Apr-22	PM10	(µg/m^3)	100	91.6	90.3	86.3	85.1	74.6	94.4
	PM2.5		60	56.3	55.7	52.9	53.8	48	56.6
	SO2		80	21.3	20.1	14.5	12.7	8.2	22.1
	NOX		80	25.2	24.5	17.8	17.3	11.9	25.8
	C6H6		5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	BAP	(ng/m3)	1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	CO	(mg/m^3)	2	0.75	0.71	0.39	0.6	0.62	0.78
	NH3	(µg/m3)	400	BDL	BDL	BDL	BDL	BDL	BDL
	OZONE		180	16.9	17.2	14.7	15.2	12.4	17.2
	Ni	(ng/m3)	20	BDL	BDL	BDL	BDL	BDL	BDL
	As		6	BDL	BDL	BDL	BDL	BDL	BDL
	Lead	(µg/m3)	1	BDL	BDL	BDL	BDL	BDL	BDL
May-22	PM10	(µg/m^3)	100	84.8	84.6	78.2	78.4	68.4	87.8
	PM2.5		60	50.9	50.7	46.4	48.6	44.1	51.4
	SO2		80	18.1	17.5	12	10.8	7	18.9
	NOX		80	23.3	22.7	16	15.5	13.7	25.1
	C6H6		5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	BAP	(ng/m3)	1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	CO	(mg/m^3)	2	0.61	0.58	0.4	0.42	0.37	0.63
	NH3	(µg/m3)	400	BDL	BDL	BDL	BDL	BDL	BDL
	OZONE		180	17.1	16.6	15	14.5	11.8	17.3
	Ni	(ng/m3)	20	BDL	BDL	BDL	BDL	BDL	BDL
	As		6	BDL	BDL	BDL	BDL	BDL	BDL

आकोश लोकर
सरकारी विश्लेषक
पर्यावरणीय प्रयोगशाला
(केन्द्रीय प्रदुषण नियंत्रण बोर्ड)
प्रोजेक्टस एण्ड डेवलपमेंट इण्डिया लिमिटेड
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	Lead	(µg/m3)	1	BDL	BDL	BDL	BDL	BDL	BDL
Jun-22	PM10	(µg/m^3)	100	80.5	79.8	73.9	73.4	64.9	83.3
	PM2.5		60	48.2	47.6	43.8	45.8	41.8	48.5
	SO2		80	16	16	10.9	9.8	6.4	17
	NOX		80	22.6	22.1	15.7	15.1	13.1	24.1
	C6H6		5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	BAP	(ng/m3)	1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	CO	(mg/m^3)	2	0.59	0.55	0.38	0.4	0.36	0.59
	NH3	(µg/m3)	400	BDL	BDL	BDL	BDL	BDL	BDL
	OZONE		180	17.1	17	14.8	14.2	11.5	17
	Ni	(ng/m3)	20	BDL	BDL	BDL	BDL	BDL	BDL
	As		6	BDL	BDL	BDL	BDL	BDL	BDL
	Lead	(µg/m3)	1	BDL	BDL	BDL	BDL	BDL	BDL
Jul-22	PM10	(µg/m^3)	100	72.3	71.6	66.5	66.6	58.5	75.9
	PM2.5		60	43.1	42.4	38.5	40.5	36.8	42.8
	SO2		80	14.2	14.4	11.5	11	7	16.5
	NOX		80	20.3	20.1	16.4	14.6	12.3	21.8
	C6H6		5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	BAP	(ng/m3)	1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	CO	(mg/m^3)	2	0.55	0.52	0.36	0.38	0.34	0.56
	NH3	(µg/m3)	400	BDL	BDL	BDL	BDL	BDL	BDL
	OZONE		180	16.5	16.3	15.3	15.4	11.7	16
	Ni	(ng/m3)	20	BDL	BDL	BDL	BDL	BDL	BDL
	As		6	BDL	BDL	BDL	BDL	BDL	BDL
	Lead	(µg/m3)	1	BDL	BDL	BDL	BDL	BDL	BDL
Aug-22	PM10	(µg/m^3)	100	66.6	66.9	64.1	64.8	59.3	76.1
	PM2.5		60	39.5	38	34	36.4	32.4	40.3
	SO2		80	13.1	13.5	11.4	11.1	7.8	20
	NOX		80	19.1	19.3	16.2	13.5	11.9	24.8

आकाश ठाकुर
सरकारी विश्लेषक
पर्यावरणीय प्रयोगशाला
(केन्द्रीय प्रदुषण नियंत्रण बोर्ड)
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	C6H6		5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	BAP	(ng/m3)	1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	CO	(mg/m^3)	2	0.52	0.52	0.34	0.36	0.36	0.62
	NH3	(µg/m3)	400	BDL	BDL	BDL	BDL	BDL	BDL
	OZONE		180	14.9	15.1	14.3	14.2	13.5	15.4
	Ni	(ng/m3)	20	BDL	BDL	BDL	BDL	BDL	BDL
	As		6	BDL	BDL	BDL	BDL	BDL	BDL
	Lead	(µg/m3)	1	BDL	BDL	BDL	BDL	BDL	BDL
Sep-22	PM10	(µg/m^3)	100	60.3	59.1	57.5	57.7	52.8	67.7
	PM2.5		60	34.6	35.3	30.3	32.3	28.9	36
	SO2		80	13.2	12.6	12.5	10.7	7.3	18.6
	NOX		80	18.4	17.8	14.7	13.8	11.1	22.6
	C6H6		5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	BAP	(ng/m3)	1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	CO	(mg/m^3)	2	0.47	0.43	0.31	0.37	0.33	0.53
	NH3	(µg/m3)	400	BDL	BDL	BDL	BDL	BDL	BDL
	OZONE		180	14.6	14.9	13.6	13.6	12.9	14.4
	Ni	(ng/m3)	20	BDL	BDL	BDL	BDL	BDL	BDL
	As		6	BDL	BDL	BDL	BDL	BDL	BDL
	Lead	(µg/m3)	1	BDL	BDL	BDL	BDL	BDL	BDL
AVERAGE	PM10	(µg/m^3)	100	**76.02**	**75.38**	**71.08**	**71.00**	**63.08**	**80.87**
	PM2.5		60	**45.43**	**44.95**	**40.98**	**42.90**	**38.67**	**45.93**
	SO2		80	**15.98**	**15.68**	**12.13**	**11.02**	**7.28**	**18.85**
	NOX		80	**21.48**	**21.08**	**16.13**	**14.97**	**12.33**	**24.03**
	C6H6		5	**<0.01**	**<0.01**	**<0.01**	**<0.01**	**<0.01**	**<0.01**
	BAP	(ng/m3)	1	**<0.01**	**<0.01**	**<0.01**	**<0.01**	**<0.01**	**<0.01**
	CO	(mg/m^3)	2	**0.58**	**0.55**	**0.36**	**0.42**	**0.40**	**0.62**

आकोश ठोकर
सरकारी विश्लेषक
पर्यावरणीय प्रयोगशाला
(केन्द्रीय प्रदुषण नियंत्रण बोर्ड)
प्रोजेक्टस एण्ड डेवलपमेंट इण्डिया लिमिटेड
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NH3	(µg/m3)	400	BDL	BDL	BDL	BDL	BDL	BDL
OZONE		180	16.18	16.18	14.62	14.52	12.30	16.22
Ni	(ng/m3)	20	BDL	BDL	BDL	BDL	BDL	BDL
As		6	BDL	BDL	BDL	BDL	BDL	BDL
Lead	(µg/m3)	1	BDL	BDL	BDL	BDL	BDL	BDL

Ni, As, Pb (µg/m^3) = BDL, NH_3 (µg/m3) = BDL, BDL = Below Detection Limit
C_6H_6 & Benzo (a) Pyrene (BAP) = <0.01 µg/m3

HURL GORAKHPUR, NOISE QUALITY DATA – (APRIL 22 – SEPTEMBER 22)

MONTH	Parameters	Prescribed Limits in db(A) as per NAAQS Ind. / Res.Area	HURL Plant (SA1)	HURL Admin Building (SA2)	HURL residence Quarter B-9 (SA3)	HURL residence Quarter E-13 (SA4)	Karmaha Village (SA5)	Bargadwa Village (SA6)
APR-22	24hrs AvgLeq Value db(A)	-	54.6	55.2	47.6	46.1	46.8	52.9
	Daytime AvgLeq Value db(A)	75/55/65	56	56.5	48.7	47.2	47.9	54.2
	NigtimeAvgLeq Value db(A)	70/45/55	49.2	49.8	43.7	42.3	43.2	47.8
MAY-22	24hrs AvgLeq Value db(A)	-	54.1	54.2	46.8	45.3	46	52
	Daytime AvgLeq Value db(A)	75/55/65	55.4	55.2	47.7	46.2	47	53.2
	NigtimeAvgLeq Value db(A)	70/45/55	48.7	49.8	43.7	42.3	43.3	47.9
JUN-22	24hrs AvgLeq Value db(A)	-	55.2	55.3	47.7	46.2	46	53
	Daytime AvgLeq Value db(A)	75/55/65	56.5	56.7	48.7	47.2	47.1	54.2
	NigtimeAvgLeq Value db(A)	70/45/55	49.7	50	44.6	43.2	42.8	48.9
JLY-22	24hrs AvgLeq Value db(A)	-	54.7	54.6	47.1	45.6	45.5	53.9
	Daytime AvgLeq Value db(A)	75/55/65	56	55.8	48.2	46.7	46.5	55.3
	NigtimeAvgLeq Value db(A)	70/45/55	49.7	49.3	43.3	42	42.8	47.9
AUG-22	24hrs AvgLeq Value db(A)	-	52.4	52.5	45.2	43.9	43.8	53.4
	Daytime AvgLeq Value db(A)	75/55/65	53.6	53.7	46.3	44.8	44.7	54.8
	NigtimeAvgLeq Value db(A)	70/45/55	47.6	47.3	41.6	41.1	41.2	47.4
SEP-22	24hrs AvgLeq Value db(A)	-	51.3	51.2	44.3	43	42.9	52.3
	DaytimeAvgLeq Value db(A)	75/55/65	52.6	52.7	45.3	43.9	43.8	53.6
	NigtimeAvgLeq Value db(A)	70/45/55	46.7	46.4	40.8	40.3	40.3	46.5
Average	**24hrs Avg Leq Value db(A)**	**-**	**53.7**	**53.8**	**46.5**	**45.0**	**45.2**	**52.9**
	Daytime Avg Leq Value db(A)	**75/55/65**	**55.0**	**55.1**	**47.5**	**46.0**	**46.2**	**54.2**
	Nigtime Avg Leq Value db(A)	**70/45/55**	**48.6**	**48.8**	**43.0**	**41.9**	**42.3**	**47.7**

श्रीमोहन छोकर
सरकारी विश्लेषक
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HURL, GORAKHPUR, GROUND WATER QUALITY DATA
AVERAGE RESULTS (APRIL 22 TO SEPTEMBER 22)

(Results are expressed in mg/l, unless otherwise stated)

Sl. No	Parameters	Average Analysis Results			Requirement (Acceptable) / Permissible Limits (IS:10500:2012)
		Hand Pump Adm. Bldg. (Project Site) (GW1)	Hand Pump Quarter No B-8 (GW2)	Hand Pump Bargadwah (GW3)	
PHYSICAL					
1	pH	7.3	7.3	7.2	**6.5-8.5**
2	Temperature (^{O}C)	26.9	27.1	27.0	-
3	Colour, HU	<5	<5	<5	**5/15**
4	Odour	Agreeable	Agreeable	Agreeable	**Agreeable**
5	Taste	Agreeable	Agreeable	Agreeable	**Agreeable**
6	Turbidity (NTU)	<5	<5	<5	**1/5**
7	Total Suspended Solid	41.0	38.0	41.3	-
8	Total Dissolved Solids	347.0	296.0	403.7	**500/2000**
CHEMICAL					
1	P- Alkalinity as $CaCO_3$	NIL	NIL	NIL	-
2	Total Alkalinity as $CaCO_3$	226.3	182.0	246.0	**200/600**
3	Chloride as Cl	30.0	20.3	47.0	**250/1000**
4	Sulphate as SO_4	35.0	38.3	39.0	**200/400**
5	Nitrate as NO_3	3.5	3.9	3.8	**45/NR**
6	Fluoride as F	<0.4	<0.4	<0.4	**1.0/1.5**
7	Total Hardness as $CaCO_3$	251.0	168.3	291.0	**200/600**
8	Ca. Hardness as $CaCO_3$	172.0	110.7	227.7	**75/200***
9	Mg. Hardness as $CaCO_3$	79.0	57.7	63.3	**30/100****
10	Sodium as Na	24.7	36.7	28.7	-
11	Potassium as K	3.2	4.7	4.2	-
12	Silica as SiO_2	12.7	13.0	13.0	-
13	Iron as Fe	0.36	0.24	0.18	**0.3/NR**
HEAVY METALS					
1	Manganese as Mn	BDL	BDL	BDL	**0.1/0.3**
2	Total Chromium as Cr	BDL	BDL	BDL	**0.05/NR**
3	Lead as Pb	BDL	BDL	BDL	**0.01/NR**
4	Zinc as Zn	0.35	0.33	0.36	**5.0/15**

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5	Cadmium as Cd	BDL	BDL	BDL	**0.003/NR**
6	Copper as Cu	BDL	BDL	BDL	**0.05/1.5**
7	Nickel as Ni	BDL	BDL	BDL	**0.02/NR**
8	Arsenic as As	BDL	BDL	BDL	**0.01/0.05**
9	Selenium as Se	BDL	BDL	BDL	**0.01/NR**
OTHERS					
1	Oil & Grease	BDL	BDL	BDL	**0.01/0.03**
2	Ph.Compound as C_6H_5OH	BDL	BDL	BDL	**0.001/0.002**
3	Coliform (MPN/100ml)	<50	<50	<50	-

NR= No Relaxation, *Calcium as Ca, **Magnesium as Mg

HURL, GORAKHPUR, SURFACE WATER QUALITY DATA
AVERAGE RESULTS (APRIL 22 TO SEPTEMBER 22)
(Results are expressed in mg/l, unless otherwise stated)

Sl. No.	**Parameters**	Rohini River **SW1**	Dismantled Pump House Chilwa Taal, **SW2**	Near New Bridge Chilwa Taal **SW3**	**Requirement (Acceptable) / Permissible Limits (IS:10500:2012)**
PHYSICAL					
1	Temperature (^{o}C)	27.4	27.4	27.2	-
2	Colour,HU	33	31	32	**5/15**
3	Turbidity (NTU)	46	41	46	**1/5**
4	pH	7.3	7.4	7.3	**6.5-8.5**
5	Total Dissolved Solids	253	221	255	**500/2000**
6	Suspended Solids	69	61	66	-
CHEMICAL					
1	Total Alkalinity as $CaCO_3$	170	143	160	**200/600**
2	Chloride as Cl	21	19	24	**250/1000**
3	Sulphate as SO_4	34	32	34	**200/400**
4	Nitrate as NO_3	4.0	4.1	4.4	**45/NR**
5	Fluoride as F	<0.4	<0.4	<0.4	**1.0/1.5**
6	Total Hardness as $CaCO_3$	159.7	155.0	151.3	**200/600**
7	Calcium Hardness as $CaCO_3$	102.7	105.3	113.7	**75/200***
8	Magnesium Hardness as $CaCO_3$	57.0	49.7	37.7	**30/100****
9	Dissolve Oxygen	7.4	7.1	7.0	-

आकिब ठाकर
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10	COD	13.0	14.4	15.4	-
11	$BOD_{(3\ days\ at\ 27^0 C)}$	3.8	4.3	4.6	-
12	Sodium as Na	33.5	22.0	34.7	-
13	Potassium as K	4.3	3.2	4.0	-
HEAVY METALS					
1	Iron as Fe	0.10	0.11	0.10	**0.3/NR**
2	Manganese as Mn	BDL	BDL	BDL	**0.1/0.3**
3	Total Chromium as Cr	BDL	BDL	BDL	**0.05/NR**
4	Lead as Pb	BDL	BDL	BDL	**0.01/NR**
5	Zinc as Zn	0.43	0.40	0.40	**5.0/15**
6	Cadmium as Cd	BDL	BDL	BDL	**0.003/NR**
7	Copper as Cu	BDL	BDL	BDL	**0.05/1.5**
8	Nickel as Ni	BDL	BDL	BDL	**0.02/NR**
9	Arsenic as As	BDL	BDL	BDL	**0.01/0.05**
10	Selenium as Se	BDL	BDL	BDL	**0.01/NR**
OTHERS					
1	Oil & grease	BDL	BDL	BDL	**0.01/0.03**
2	Phenolic Compound	BDL	BDL	BDL	**0.001/0.002**
3	Coliform (MPN/100ml)	1333	1178	1278	-

NR= No Relaxation, *Calcium as Ca, **Magnesium as Mg

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Rs.5000 FIVE THOUSAND RUPEES

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INDIA

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24 JUN 2020

उत्तर प्रदेश UTTAR PRADESH

DD 958672

पट्टा विलेख

वार्षिक किराया **मु0 10000=00** प्रतिवर्ष प्रति हेक्टेयर

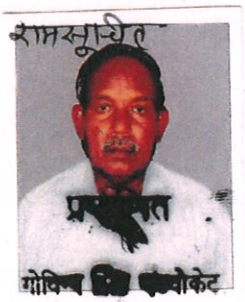
औसत वार्षिक किराया (मु0 10,000=00 प्रतिवर्ष X 7.745 हेक्टेयर)= मु0 77450=00

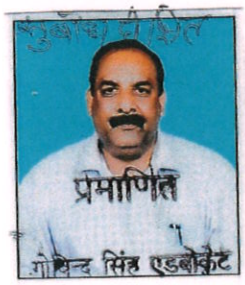
आर्टिकल 35(V) सेड्यूल. 1–बी के अनुसार मूल्यांकन–

(औसत वार्षिक किराया मु0 77,450=00 X 6)= मु0 4,64,700=00

यानी मु0 4,65,000=00

मूल्यांकन का 4% अदा स्टैम्प–**मु0 18,600=00**





नगर निगम, गोरखपुर जरिये श्री रामसूचित, राजस्व निरीक्षक नगर निगम, गोरखपुर।.....प्रथम पक्ष।

राजस्व निरीक्षक
नगर निगम, गो० ख०

सुबोध दिक्षित
SUBODH DIXIT
वरिष्ठ प्रबन्धक
Sr. Manager
हिन्दुस्तान उर्वरक एवं रसायन लिमिटेड, गोरखपुर
HURL, Gorakhpur

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हिन्दुस्तान उर्वरक एवं रसायन लि० गोरखपुर (यूनिट गोरखपुर)
जीएस सुबोध दीक्षित बोल्ड प्रमाणक

दिनेश कुमार मित्र स्टाम्प विक्रेता
का० सं० 117
कचहरी, गोरखपुर

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INDIA

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उत्तर प्रदेश UTTAR PRADESH DD 958637

DD 958637

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हिन्दुस्तान उर्वरक एवं रसायन लिमिटेड, गोरखपुर यूनिट गोरखपुर जरिये श्री सुबोध दीक्षित वरिष्ठ प्रबन्धक हिन्दुस्तान उर्वरक एवं रसायन लिमिटेड, गोरखपुर।.....द्वितीय पक्ष।

ग्राम–जंगल बेनी माधव नं0–1, तप्पा–कस्बा, परगना–हवेली, तहसील–सदर, जनपद–गोरखपुर स्थित ताल (सम्पत्ति नगर निगम) आराजी संख्या–706/258, रकबा– 19.14 एकड़ यानी 7.745 हेक्टेयर को द्वितीय पक्ष अपने कारखाने में जल आपूर्ति के लिये पट्टे पर लेना चाहता है।

सुबोध दिक्षित
SUBODH DIXIT
वरिष्ठ प्रबन्धक
Sr. Manager
हिन्दुस्तान उर्वरक एवं रसायन लिमिटेड, गोरखपुर
HURL, Gorakhpur

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29.6.2020

हिन्दुस्तान उर्वरक एवं रसायन लि० गोरखपुर यूनिट गोरखपुर
जाँच एवं प्रयोग दीक्षित कॉलेज प्रमाणक

AJAY KUMAR STAMP VENDER
L.No. 44
Collectry-Gorakhpur

भारतीय गैर न्यायिक INDIA NON JUDICIAL

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रु.5000 Rs.5000

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24 JUN 2020

उत्तर प्रदेश UTTAR PRADESH

DD 958638

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फर्टिलाइजर कारखाना में जल आपूर्ति सुनिश्चित करने के सम्बंध में मा0 मुख्य सचिव, उत्तर प्रदेश शासन द्वारा दिनांक 15.02.2017 को शासन में आहूत बैठक में निर्देश दिया गया है कि नगर निगम गोरखपुर विधि के आलोक में इस सम्बंध में सार्थक विचार करे।

मा0 मुख्य सचिव, उत्तर प्रदेश शासन द्वारा दिये गये निर्देश के अनुसार एवं नगर निगम की धारा–128 में दिये गये प्राविधानों के अनुरूप शासन की स्वीकृति प्राप्त होने के पश्चात् निम्नलिखित शर्तों पर प्रथम पक्ष उक्त ताल को द्वितीय पक्ष को पट्टा पर देने हेतु सहमत है:–

1– यह कि शासन की स्वीकृति संख्या–1164/नौ–7–2018–7(जनरल)/2017 दिनांक 12 फरवरी, 2020 के क्रम में ग्राम–जंगल बेनी माधव नं0–1, स्थित ताल (सम्पत्ति नगर निगम) आराजी संख्या–706/258, रकबा–19.14 एकड़ यानी 7.745 हेक्टेयर का पट्टा द्वितीय पक्ष के हक में दिनांक

राजस्व निरीक्षक
नगर निगम, गोरखपुर

सुबोध दिक्षित
SUBODH DIXIT
वरिष्ठ प्रबन्धक
Sr. Manager
हिन्दुस्तान उर्वरक एवं रसायन लिमिटेड, गोरखपुर
HURL, Gorakhpur

5000
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29.6.2020

सा० नं० 33.

AJAY KUMAR STAMP VENDER
L.No. 44
Collectry-Gorakhpur

भारतीय गैर न्यायिक INDIA NON JUDICIAL

भारत

एक हजार रुपये

रु.1000

ONE THOUSAND RUPEES

Rs.1000

सत्यमेव जयते

INDIA

A.T.O./T.O./C.T.O.
15 JUN 2020
कोषागार, गोरखपुर

उत्तर प्रदेश UTTAR PRADESH

BK 325757

13 फरवरी 2020 को नगर आयुक्त महोदय द्वारा स्वीकृति प्रदान कर दी गयी है। जिसमें पट्टे की अवधि 30 वर्षों की होगी यानी ताल के पट्टे की अवधि दिनांक 29.06.2020 से प्रारम्भ होकर दिनांक 28.06.2050 तक के लिए मान्य होगी। 30 वर्षों की अवधि समाप्त होने के पश्चात् प्रथम पक्ष की सहमति से अगले 25 वर्षों के लिये उक्त पट्टे का नवीनीकरण कराया जा सकेगा। जिसका रजिस्ट्री कार्यालय सदर, गोरखपुर में पंजीकरण कराया जाना अनिवार्य होगा।

2— यह कि द्वितीय पक्ष उक्त ताल से 1450 घनमीटर प्रतिघण्टे, जल प्राप्त कर सकेगा, किन्तु ताल में एक न्यूनतम जल स्तर बनाये रखने का दायित्व द्वितीय पक्ष का होगा, ताकि जलीय जीवन पर कोई दुष्प्रभाव न पड़े। यदि अवर्षण या अन्य किसी कारण से द्वितीय पक्ष को प्रतिघण्टे 1450 घनमीटर जल उपलब्ध नही हो पाता है तो उसके पूर्ति का दायित्व किसी भी दशा में प्रथम पक्ष का नही होगा।

राजस्व निरीक्षक
नगर निगम, गोरखपुर

सुबोध दिक्षित
SUBODH DIXIT
वरिष्ठ प्रबन्धक
Sr. Manager
हिन्दुस्तान उर्वरक एवं रसायन लिमिटेड, गोरखपुर
HURL, Gorakhpur

1000
35
29-6-2020

लो० नं० 33.

AJAY KUMAR STAMP VENDER
L.No. 44
Collectry-Gorakhpur

भारतीय गैर न्यायिक INDIA NON JUDICIAL

भारत

एक हजार रुपये

रु.1000

ONE THOUSAND RUPEES

Rs.1000

सत्यमेव जयते

INDIA

A.T.O./T.O./C.T.O

15 JUN 2020

कोषागार, गोरखपुर

उत्तर प्रदेश UTTAR PRADESH

BK 325758

3– यह कि ग्राम–जंगल बेनी माधव नं0–1, स्थित ताल (सम्पत्ति नगर निगम) आराजी संख्या–706/258, रकबा–19.14 एकड़ यानी 7.745 हेक्टेयर का लगान रूपया 10,000=00 प्रतिवर्ष प्रति हेक्टेयर की दर से देय होगा। यदि दरों के सम्बंध में कोई शासनादेश अथवा अधिनियम में कोई परिवर्तन होता है, तो उसके अनुसार लगान की दर भी तद्नुसार संशोधित होकर लगान दर से प्रतिवर्ष देय होगा। प्रत्येक वित्तीय वर्ष के समाप्ति के पूर्व द्वितीय पक्ष को पट्टा की धनराशि जमा करना अनिवार्य होगा।

4– यह कि द्वितीय पक्ष उक्त ताल का सौन्दर्यीकरण/सफाई का कार्य अपने व्यय पर करा सकता है। इस सम्बन्ध में सम्बंधित विभाग से अनापत्ति प्राप्त करने की जिम्मेदारी द्वितीय पक्ष की होगी।

राजस्व निरीक्षक
नगर निगम, गोरखपुर

सुबोध दिक्षित
SUBODH DIXIT
वरिष्ठ प्रबन्धक
Sr. Manager
हिन्दुस्तान उर्वरक एवं रसायन लिमिटेड, गोरखपुर
HURL, Gorakhpur

1000
36
29.6.2020

सा० न० 33

AJAY KUMAR STAMP VENDER
L.No. 44
Collectry-Gorakhpur

भारतीय गैर न्यायिक INDIA NON JUDICIAL

भारत

एक हजार रुपये

ONE THOUSAND RUPEES

रु.1000

Rs.1000

सत्यमेव जयते

INDIA

A.T.O./T.O./C.T.O.

15 JUN 2020

उत्तर प्रदेश UTTAR PRADESH

BK 325759

5– यह कि द्वितीय पक्ष, उक्त ताल में जल की उपलब्धता सुनिश्चित कराने के सम्बंध में ताल की खुदाई का कार्य, नगर निगम एवं सम्बंधित विभाग/विभागों से अनापत्ति प्राप्त करने के पश्चात् करा सकता है।

6– यह कि द्वितीय पक्ष उक्त ताल में जल आपूर्ति के लिऐ, पम्प हाउस या उससे सम्बंधित अन्य कोई निर्माण कार्य नगर निगम एवं सम्बंधित विभाग/विभागों से अनापत्ति प्राप्त करने के पश्चात् करा सकता है। उक्त कार्य के सम्बंध में नगर निगम, गोरखपुर की कोई जिम्मेदारी नहीं होगी।

राजस्व निरीक्षक
नगर निगम, गोरखपुर

सुबोध दिक्षित
SUBODH DIXIT
वरिष्ठ प्रबन्धक
Sr. Manager
हिन्दुस्तान उर्वरक एवं रसायन लिमिटेड, गोरखपुर
HURL, Gorakhpur

1000
37
29.6.2020

ताः नं 33.

SANJAY KUMAR STAMP VENDOR
L.No.

भारतीय गैर न्यायिक

भारत INDIA

रु. 500 FIVE HUNDRED RUPEES

पाँच सौ रुपये Rs. 500

सत्यमेव जयते

INDIA NON JUDICIAL

24 JUN 2020

उत्तर प्रदेश UTTAR PRADESH

AE 412425

7– यह कि द्वितीय पक्ष उक्त ताल में पूर्व से हो रहे किसी भी परम्परागत कार्य में कोई हस्तक्षेप नहीं करेगा।

8– यह कि पट्टे की अवधि में, आवश्यकता पड़ने पर, प्रथम पक्ष को सम्पूर्ण ताल या उसके किसी भाग का कब्जा लेने का पूर्ण अधिकार होगा।

राजस्व निरीक्षक
नगर निगम, गोरखपुर

सुबोध दिक्षित
SUBODH DIXIT
वरिष्ठ प्रबन्धक
Sr. Manager
हिन्दुस्तान उर्वरक एवं रसायन लिमिटेड, गोरखपुर
HURL, Gorakhpur

6/29/2020

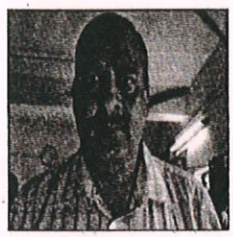
500 — सा०नं० 33.
30
29 अनुदमांक 202000950014524

AJAY KUMAR STAMP VENDER L.No. 44 Collectorate Gorakhpur

पट्टा विलेख/ कबूलियतनामा

बही स०: 1 **रजिस्ट्रेशन स०: 4293** **वर्ष: 2020**

प्रतिफल- 465000 स्टाम्प शुल्क- 18600 बाजारी मूल्य - 0 पंजीकरण शुल्क - 4650 प्रतिलिपिकरण शुल्क - 80 योग : 4730



श्री हिन्दुस्तान उर्वरक एवं रसायन लिमिटेड जरिये वरिष्ठ प्रबन्धक द्वारा
सुबोध दीक्षित अधिकृत पदाधिकारी/ प्रतिनिधि,
वरिष्ठ प्रबन्धक
व्यवसाय : नौकरी
निवासी: हिन्दुस्तान उर्वरक एवं रसायन लिमिटेड, गोरखपुर

श्री, हिन्दुस्तान उर्वरक एवं रसायन लिमिटेड जरिये वरिष्ठ प्रबन्धक द्वारा सुबोध दीक्षित अधिकृत पदाधिकारी/ प्रतिनिधि

ने यह लेखपत्र इस कार्यालय में दिनाँक 29/06/2020
एवं 04:12:12 PM बजे
निबंधन हेतु पेश किया।

10163

रजिस्ट्रीकरण अधिकारी के हस्ताक्षर

योगेन्द्र प्रताप सिंह
उप निबंधक :सदर प्रथम
गोरखपुर
29/06/2020

श्री दिनेश शाही
निबंधक लिपिक

भारतीय गैर न्यायिक

भारत

पचास रुपये रु.50

FIFTY RUPEES Rs.50

सत्यमेव जयते

INDIA

INDIA NON JUDICIAL

उत्तर प्रदेश UTTAR PRADESH

CC 269185

9— यह कि द्वितीय पक्ष, किसी भी दशा में उक्त ताल या उसके किसी अंश का पट्टा/हस्तान्तरण किसी तीसरे पक्ष के पक्ष में नहीं करेगा।

उभय पक्ष उपरोक्त पट्टा विलेख पढ़ कर समझकर और सहमत होकर अपना–अपना हस्ताक्षर बनाया।

सुबोध दिक्षित
SUBODH DIXIT
वरिष्ठ प्रबन्धक
Sr. Manager
हिन्दुस्तान उर्वरक एवं रसायन लिमिटेड गोरखपुर
HURL, Gorakhpur

राजस्व निरीक्षक
गोरखपुर

6/29/2020

39
29.6.2020

ता० सं० 33.

आवेदन सं०: 202000950014524

बही स०: 1 रजिस्ट्रेशन स०: 4293 वर्ष: 2020

निष्पादन लेखपत्र वाद सुनने व समझने मजमुन व प्राप्त धनराशि रु प्रलेखानुसार उक्त

पट्टा दाता: 1

श्री नगर निगम गोरखपुर जरिये राजस्व निरीक्षक के द्वारा रामसूचित , राजस्व निरीक्षक

निवासी: नगर निगम गोरखपुर

व्यवसाय: नौकरी


JAY KUMAR STAMP VENDER L.No. 44 Gorakhpur

पट्टा गृहीता: 1

श्री हिन्दुस्तान उर्वरक एवं रसायन लिमिटेड जरिये वरिष्ठ प्रबन्धक के द्वारा सुबोध दीक्षित , वरिष्ठ प्रबन्धक

निवासी: हिन्दुस्तान उर्वरक एवं रसायन लिमिटेड, गोरखपुर

व्यवसाय: नौकरी


ने निष्पादन स्वीकार किया । जिनकी पहचान

पहचानकर्ता : 1

श्री अतुल कुमार , पुत्र श्री सुबाष चन्द्र राय

निवासी: ग्राम-दुघरा, पोस्ट-बनियावारी, खलीलाबाद, संतकबीर नगर

व्यवसाय: नौकरी


पहचानकर्ता : 2

श्री राजनारायण , पुत्र श्री रामउग्रह

निवासी: रामपुर चक, मानीराम, गोरखपुर

व्यवसाय: अन्य


रजिस्ट्रीकरण अधिकारी के हस्ताक्षर

ने की । प्रत्यक्षत:भद्र साक्षियों के निशान अंगूठे नियमानुसार लिए गए है ।

टिप्पणी :

योगेन्द्र प्रताप सिंह
उप निबंधक : सदर प्रथम
गोरखपुर

श्री दिनेश शाही
निबंधक लिपिक

भारतीय गैर न्यायिक

भारत

पचास रुपये रु.50

FIFTY RUPEES Rs.50

सत्यमेव जयते

INDIA

INDIA NON JUDICIAL

उत्तर प्रदेश UTTAR PRADESH

CC 269218

हस्ताक्षर प्रथम पक्ष

राजस्व निरीक्षक
तहसील गोरखपुर

(9)

हस्ताक्षर द्वितीय पक्ष

सुबोध दिक्षित
SUBODH DIXIT
वरिष्ठ प्रबन्धक
Sr. Manager
हिन्दुस्तान उर्वरक एवं रसायन लिमिटेड गोरखपुर
HURL Gorakhpur

साक्षीगण:–

1– अतुल कुमार S/o
सुबाष चन्द्र राय
मा० दुधरा पो० बनियाबारी
खलीलाबाद, सन्त कबीर नगर

2– राम नारायण पाण्डेय S/o
रामकृष्ण पाण्डेय
ग्रा० रामपुर चक्क पो० मानीराम
गोरखपुर

प्रारूपकर्ता

(गोविन्द सिंह)
एडवोकेट
कलेक्ट्री कचहरी, गोरखपुर

स्थान–गोरखपुर
दिनांक–29.06.2020

50
40
29.6.2020

सा० नं० 33

आवेदन सं०: 202000950014524

बही संख्या 1 जिल्द संख्या 16010 के पृष्ठ 357 से 382 तक क्रमांक 4293 पर दिनाँक 29/06/2020 को रजिस्ट्रीकृत किया गया।

रजिस्ट्रीकरण अधिकारी के हस्ताक्षर

योगेन्द्र प्रताप सिंह
उप निबंधक : सदर प्रथम
गोरखपुर
29/06/2020

Annexure 3: Photographs Phase -1 Plantation at HURL Gorakhpur

Annexure 4_letter copies to Forest Deptt. for quotation

हिंदुस्तान उर्वरक एवं रसायन लिमिटेड, गोरखपुर
HINDUSTAN URVARAK & RASAYAN LTD., GORAKHUR
(A Joint Venture of NTPC, CIL, IOCL, FCIL &HFCL)
कार्यालय: प्रशासनिक भवन, एच. यू. आर. एल. कैंपस, फ़र्टिलाइज़र, गोरखपुर-273015 उ.प्र. भारत
Office: Administrative Building, HURL Campus, Fertilizer, Gorakhpur-273015 U.P. India-Telefax-0551-2222261177

Ref: HURL/GKP/E&QC/22-23/719

सेवा में,

Date: 19/07/2022

श्रीमान् प्रभागीय वनाधिकारी,
गोरखपुर

विषय- हिंदुस्तान उर्वरक एवं रसायन लिमिटेड (HURL), गोरखपुर में वृक्षारोपण कार्य हेतू

महोदय,

MoEF&CC के निर्देशानुसार, (MoEF & CC File No. J-11011/166/2016-IA II (I) dated 31/07/2017, विशिष्ट शर्तें क्रमांक 06) हिंदुस्तान उर्वरक एवं रसायन लिमिटेड (HURL), गोरखपुर प्लांट परिसर में पर्यावरण हितार्थ पौधों का वृक्षारोपण मियावाकी पद्धति से किया जाना है, वन कार्यालय से प्राप्त पत्र के अनुसार (पत्र संख्या 5430/29-1 दिनांक 11/05/ 2022) I वर्तमान में HURL प्लांट परिसर के रिक्त भूभाग में वृक्षारोपण सम्बंधित कार्य आपके विभाग के सहयोग से प्रगति की ओर अग्रसर है एवं इसी क्रम में HURL प्लांट परिसर में वृक्ष/ पौधों के वृक्षारोपण हेतू पेड़ों की कुल संख्या, भाव और 5 साल के रखरखाव की लागत के साथ आपके विभाग से निम्नवत प्राक्कलन वांछित है :

क्रम सं०	विवरण	वृक्षारोपण हेतू वांछित प्रजाति	कुल पौधों की संख्या
1.	HURL प्लांट परिसर 0.5 हेक्टेयर में पौधों (वृक्ष) के वृक्षारोपण हेतू	विभिन्न देशी प्रजाति के चौड़ी पत्ती वाले पौधे (वृक्ष) / मियावाकी पद्धति से	

अतः श्रीमान् से निवेदित है कि उपरोक्त विवरण के अनुसार वृक्षारोपण हेतू प्राक्कलन उपलब्ध करवाने की कृपा की जाय।

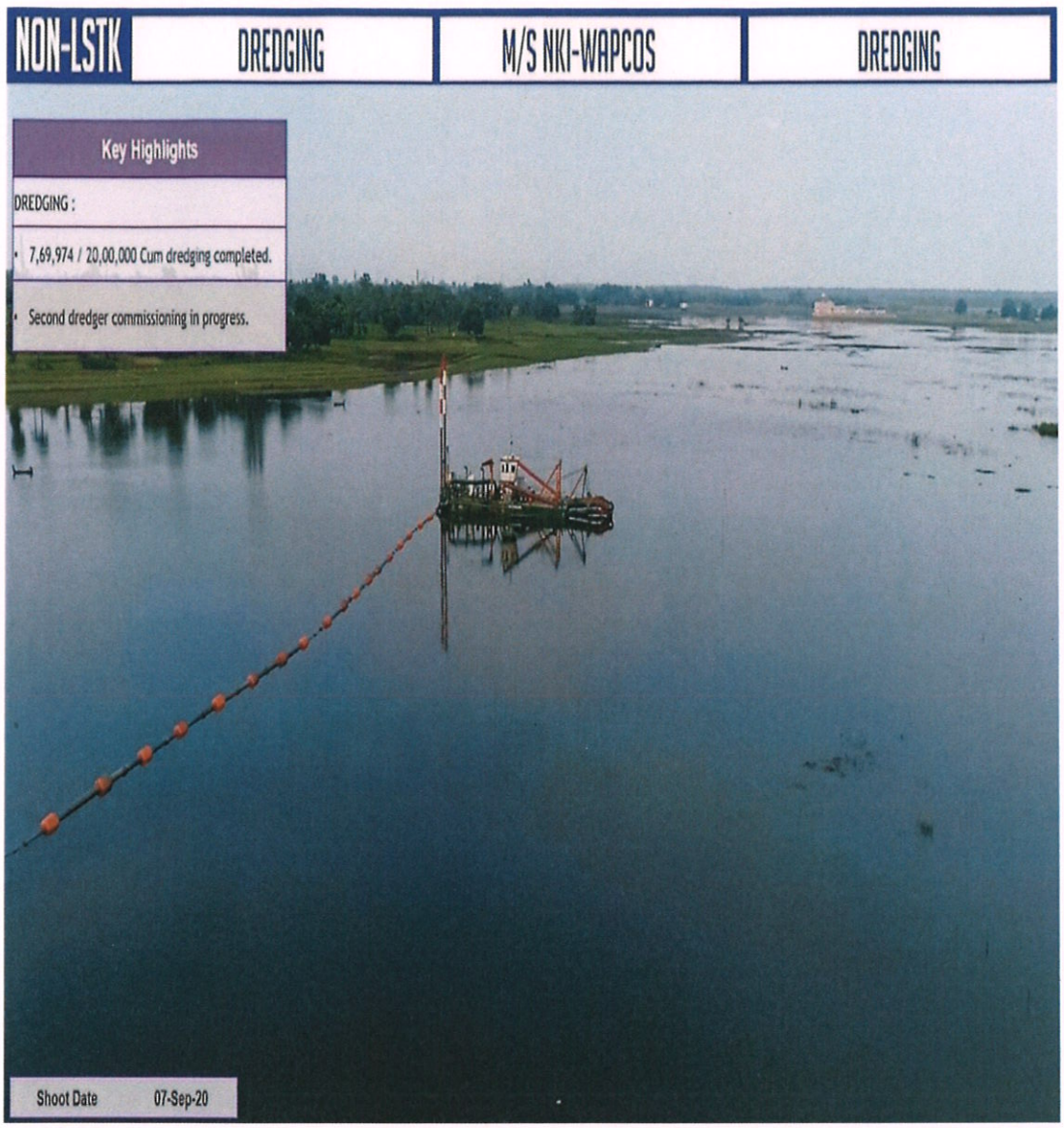
डॉ. आदर्श कुमार
प्रबन्धक (पर्यावरण और गुणवत्ता नियंत्रण)
Dr. Adarsh Kumar
Manager (E & QC)
हिंदुस्तान उर्वरक एवं रसायन लिमिटेड, गोरखपुर
HURL, Gorakhpur

भवदीय

19/07/2022

डॉ.आदर्श कुमार
प्रबन्धक (पर्यावरण और गुणवत्ता नियंत्रण)
हिंदुस्तान उर्वरक एवं रसायन लिमिटेड (HURL)
गोरखपुर

Annexure 5 - Dredging Picture



कार्यालयः–जिला बेसिक शिक्षा अधिकारी, गोरखपुर

पत्रांक–एस0एस0ए0 / HURL/ 3082 / 2022–23 दिनांक– 02 जुलाई 2022

सेवा में,

श्रीमान मुख्य प्रबंधक,
हिन्दुस्तान उर्वरक एवं रसायन लिमिटेड (HURL)

विषय–**शुद्ध पेयजल उपलब्धता के पूर्णता प्रमाण पत्र निर्गत करने के सम्बन्ध में ।**

आपके कार्यालय पत्र पत्रांक–**HURL / GKP** / 22–23 / 2461 दिनांक 01 जून 2022 का संदर्भ ग्रहण करने का कष्ट करें जिसमें एच0यू0आर0एल0 द्वारा क्षेत्रीय विकास योजना के अंतर्गत परिसर के समीप 3 किलोमीटर के दायरे की परिधि में आने वाले 12 प्राथमिक विद्यालयों में शुद्ध पेयजल आपूर्ति कराने वाले उपकरण को स्थापित करने हेतु प्रस्तावित था।

उपरोक्तानुसार मुझे यह बताते हुए हर्ष हो रहा है कि एच0यू0आर0एल0 गोरखपुर द्वारा प्रदत्त आरो यूनिट का 12 प्राथमिक विद्यालयों पर सफलतापूर्वक स्थापित कर दिया गया है जिसका संचालन सुचारू रूप से संपादित हो रहा है एवं प्रदत्त कार्य संतोषजनक पाया गया, इसका रख–रखाव 01 वर्ष के लिए कार्यदाई संस्था (Oxybee Solutions Private Limited) द्वारा किया जाएगा। एच0यू0आर0एल0 की इस सहायता के लिए हम बहुत आभारी हैं।

भवदीय

02/7/2022

(रमेन्द्र कुमार सिंह)
जिला बेसिक शिक्षा अधिकारी,
गोरखपुर

HINDUSTAN URVARAK & RASAYAN LIMITED
(A JV of NTPC, CIL, IOCL, FCIL & HFCL)

Gorakhpur

Annexure-7

Stack Monitoring of Ammonia, Urea, Steam & Power Generation plants

Source of Pollution	U-IA-301, Prilling Tower	101BL-Reformer Stack		HRSG -Boiler -1		HRSG -Boiler -2		Auxiliary Boiler -3	
Pollutants	Particulates Matter	SOx	NOx	SOx	NOx	SOx	NOx	SOx	NOx
Limit	50 mg/Nm^3	50 mg/Nm^3	400 mg/Nm^3	50 mg/Nm^3	100 mg/Nm^3	50 mg/Nm^3	100mg/Nm^3	50 mg/Nm^3	100 mg/Nm^3
April-22	38.6	ND	81.0	ND	29.0	ND	27.0	ND	25.5
May-22	44.2	ND	78.0	ND	28.0	ND	28.0	ND	24.5
June-22	44.5	ND	80.0	ND	28.0	ND	30.0	ND	26.0
July-22	22.0	ND	81.0	ND	28.0	ND	30.0	ND	26.5
August-22	40.0	ND	81.0	ND	22.0	ND	31.0	ND	37.0
September-22	37.0	ND	80.0	ND	26.0	ND	30.5	ND	40.0

ND – Not detected

डॉ. आदर्श कुमार
प्रबन्धक (पर्यावरण और गुणवत्ता नियंत्रण)
Dr. Adarsh Kumar
Manager (E & QC)
हिंदुस्तान उर्वरक एवं रसायन लिमिटेड, गोरखपुर
HURL, Gorakhpur

Annexure 8: Safety Training Photographs and Records

Annexure 8

Doc. No.- HURL/GKP/ST/01

Rev. No.- 0

HINDUSTAN URVARAK & RASAYAN LIMITED
GORAKHPUR (U.P.)
Safety Training
Attendance Sheet

Topic Discussed: First Aid Fire Fighting

Date: 08/04/22

Sl. No.	Name	Designation	Department/ Agency	Signature
1	Ajay Kumar	Safety Officer	Uoyd	Ajay
2	A.K. Singh.	SUP	"	
3	[illegible]	[illegible]	"	
4	Amit Kr. Pandey	SUP	"	
5	नवीन [illegible]	Helper	"	
6	बलवीर विश्वकर्मा	Helper	"	Balveer
7	रमेश पाण्डेय	वेल्डर	"	रमेश पाण्डे
8	Rajmangal	Helper	"	
9	सुनील कुमार	हेल्पर		सुनील
10	Hemant Yadav	हेल्पर	"	
11	Rajesh Prasad	Fitter	"	
12	Sameer Singh	Rigger	"	
13	Raj [illegible]	[illegible]		
14	D.K. Yadav	Gun	"	D. Yadav
15	Santosh Kumar	P/Fab	"	
16	पवन कुमार यादव	Painter	"	
17	जगदीश	हेल्पर		जगदीश
18	राम बिलास	हेल्पर		राम बिलास
19	राकेश	M		राकेश
20	जगजीवन	M.O	"	जगजीवन

Signature of Trainer: Sunil Yadav

Sunil
08/04/22

Doc. No.- HURL/GKP/ST/01 — Lloyad Insulation Pvt Ltd

Rev. No.- 0

HINDUSTAN URVARAK & RASAYAN LIMITED
GORAKHPUR (U.P.)
Safety Training
Attendance Sheet

Topic Discussed: First Aid Fire Fighting Training

Date: 08/04/22

Sl. No.	Name	Designation	Department/ Agency	Signature
1	धर्मेन्द्र निषाद	Messain		धर्मेन्द्र निषाद
2	विजय बहादुर	Fitter		विजय बहादुर
3	मंजूम प्रसाद	रिगर		मंजूम प्रसाद
4	राकेश साहनी	F		Rakesh
5	शनी वर्मा	रिगर		Sam
6	Vijay Kumar	Helper	"	Vijay
7	राकेश कुमार	Helper	"	राकेश कुमार
8	मुकेश कुमार	ड्राईवर		मुकेश कुमार
9	Md Mehbub	Helper	"	[illegible]
10	करन कुमार	हेल्पर	"	करन कुमार
11	राजा कुमार	हेल्पर	"	राजा कुमार
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Signature of Trainer: Sunil Yadav

Sunil

08/04/22

Doc. No.- HURL/GKP/ST/01

Rev. No.- 0

(HURL)

HINDUSTAN URVARAK & RASAYAN LIMITED
GORAKHPUR (U.P.)
Safety Training
Attendance Sheet

Topic Discussed: Fire Extinguisher

Date: 9/04/2022

Master cad saluction (MCS)

Sl. No.	Name	Designation	Department/ Agency	Signature
1	Mahish Shring	Car Pender		[illegible]
2	Mahinder "	"		[illegible]
3	Yadwender	"		यादवेन्द्र सिंह
4	Arjun	"		अर्जुन
5	chander chakar	"		चन्द्रशेखर यादव
6	Durvijay	"		दुर्गाविजय सिंह
7	Sonu	"		Sonu Singh
8	Saludin	Helper		Shaladdin
9	Ram Prid	Car Pender		Ramprit
10	Budh	"		Avadh-shkumar
11	Buddy Ram	"		बुधिराम
12	Upender	"		Upendra
13	Harinder	"		हरेन्द्र
14	Aruind	"		अरविन्द
15	Ome Parkash	"		ओमप्रकाश
16	Ramesh	"		रमेश
17	Angad	"		अंगद सिंह
18	Anil			अनिल
19				Angad
20	Gulran Alam	Safety office		Gulran Al

Signature of Trainer:

09-04-2022
(Ramnath Kushwaha)

Doc. No.- HURL/GKP/ST/01

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(HURL)

HINDUSTAN URVARAK & RASAYAN LIMITED
GORAKHPUR (U.P.)
Safety Training
Attendance Sheet

Date: 15/04/22

Topic Discussed: Fire Extinguisher, First Aid, Fire Fighting, Triplex water Eng. Pvt Ltd

Sl. No.	Name	Designation	Department/ Agency	Signature
1	[illegible]	[illegible]		[illegible]
2	[illegible]	R		[illegible]
3	Nand Kishor Pandey	G		N. K. Pandey
4	Shubham Kumar	R		[illegible]
5	Mantosh Kumar	Ab		[illegible]
6	Naveen Singh	Sup.		Naveen Singh
7	[illegible]			[illegible]
8	[illegible]	R		[illegible]
9	P. K. Pandey	Electt. Engg.	SRC.	P. K. Pandey
10	Rajhan Ing.	mech engg		Rajhan
11	Sumit kr Sharma	Store		Sumit
12	Sunil Kr. Singh	HSE		[illegible]
13	Kamal Kishor Sen	Fire		Kamal
14	Yogendra Shukla	Superv	SRC	Yogi
15	Ajit Tiwari	Safety	SRC	[illegible]
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Signature of Trainer:

Sunil
15/04/22

15/04/2022

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No.- 0

HINDUSTAN URVARAK & RASAYAN LIMITED
GORAKHPUR (U.P.)
Safety Training
Attendance Sheet

Topic Discussed: Fire Extinguisher. First Aid Fire Fighting Triplex water Eng. Pvt Ltd.

Date: 15/04/22

Sl. No.	Name	Designation	Department/ Agency	Signature
1	Nareen kumar yadav	R.		N.K.Y.
2	जुवाल	R-		जुवाल
3	संजय	R		संजय
4	Rajupatel	Ri		Rajupatel
5	Abhi Singh	Reggor		Abhi Singh
6	जितेन्द्र श्रीवास्तव	W —		जितेन्द्र
7	गोविन्द शर्मा	Welder		गोविन्द शर्मा
8	बाबूलाल यादव	R		बाबूलाल यादव
9	Rakesh ku kushwaha	Fitter		Rakesh
10	Shailesh yadav	helper		Shailesh
11	Sawan Sharma	hair cutter		Sawan
12	Vinaysingh	Helper		Vinaysingh
13	Dilip Singh	R.		Dilip
14	RAKESH SINGH	HOL		राकेश सिंह
15	Vijendar yadav	Fitter		Vijendar
16	RAJKISHOR	WELDER		RK
17	Deenanath Kushwaha	Fitter		दीनानाथ कुशवाहा
18	रामकुमार सिंह	Riggs		रामकुमार सिंह
19	लक्ष्मण यादव	Rigger		Lakhman
20	मुरली सिंह	R.		मुरली सिंह

Signature of Trainer:

Sunil — 15/04/22

Amrtand — 15/04/2022

Atma

Doc. No.- HURL/GKP/ST/01

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HINDUSTAN URVARAK & RASAYAN LIMITED
GORAKHPUR (U.P.)
Safety Training
Attendance Sheet

Topic Discussed: First aid fire fighting Training Toyo (DL, MEMRITES)

Date: 16-04-2022

Sl. No.	Name	Designation	Department/ Agency	Signature
1	Sunil Thungane	AE Comm	TOYO	
2	Santosh Krishnan	Comm. op	TOYO	
3	Vijay Jaiswal.	F.O	Aarvi	Vijay
4	Mahadevan	F.O	Aarvi	
5	Durgesh Kumar	R	D.L	Durgesh
6	रामनाथ	R	DL	रामनाथ
7	Manoj Kumar Yadav	R	DL	Manoj
8	मो० इसराइल	R	DL	मो० इसराइल
9	Ratnadeep YADAV	R	DL	
10	Anand Chaudhary	R	DL	
11	पंकज कुमार मौर्य	R	DL	पंकज कुमार
12	Satya Sagar	Supervisor	TOYO	
13	पुजारी	R	पुजारी D.L.	पुजारी
14	Kaushal	R	Emp	कौशल
15	दुर्गेश	R	D.L	दुर्गेश
16	[illegible]	R	D.L	[illegible]
17	मो० सद्दाम	R	DL	मो० सद्दाम
18	Praveen Kumar Yadav	R	D.L	Praveen
19	Chandrabhan	Fitter	DL	
20	Abhinav Yadav	EHS	DL	

Signature of Trainer: 16-04-2022 (Ramnath Das)

16/04/2022

(K. DAS) HSE-TIL

Doc. No.- HURL/GKP/ST/01

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HINDUSTAN URVARAK & RASAYAN LIMITED
GORAKHPUR (U.P.)
Safety Training
Attendance Sheet

Topic Discussed: B.A. SET Training

Date: 08-05-2022

Sl. No.	Name	Designation	Department/ Agency	Signature
1	Mukesh giri	welder	DL	
2	Sanjay Kumar	fitter/Welder	DL	
3	Ravindra kumar	Reeger	DL	
4	Rupes Kumar	Reeger	DL	
5	Mohan	Asst. Manager	Construction	
6	Atul Sharma	Mgr	HURL	
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Signature of Trainer: 08/05/2022

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(HURL)

HINDUSTAN URVARAK & RASAYAN LIMITED
GORAKHPUR (U.P.)
Safety Training
Attendance Sheet

Date: 23.05.2022

Topic Discussed: Confined space safety

Sl. No.	Name	Designation	Department/ Agency	Signature
1	Sirajuddin	Helper	Housekeeping	Sirajuddin
2	Manikesh Kumar	"	"	Manikesh Kumar
3	Vinod Kumar Pandey	Supervisor	Housekeeping (BC)	V.K.Pandey
4	Rahul Kumar	— " —	— " —	Rahul
5	Dharmendra Singh	— " —	— " —	DSingh
6	Raghvendra Pratap	Helper	— " —	RPS
7	Mukesh Kumar	— " —	— " —	Mukesh Kumar
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Signature of Trainer: Shukla

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HINDUSTAN URVARAK & RASAYAN LIMITED
GORAKHPUR (U.P.)
Safety Training
Attendance Sheet

Topic Discussed: Confined Space Entry

Date: 07.06.2022

Sl. No.	Name	Designation	Department/ Agency	Signature
1	विनोद कुमार पाण्डेय	सुपरवाइजर	प्लांट मेन्टेनेन्स	V.K. Pandey.
2	रामकृष्ण माधव	हेल्पर	"	[illegible]
3	रविन्द्र माधव	हेल्पर	"	रविन्द्र माधव
4	रामसुन्दर	हेल्पर	"	रामसुन्दर
5	अवधेश	हेल्पर	"	अवधेश कुमार
6	राजेश गुप्ता	हेल्पर	"	राजेश गुप्ता
7	राघवेन्द्र सिंह	हेल्पर	"	[illegible]
8	मनोज पाण्डेय	हेल्पर	VLRAJ	मनोज पाण्डेय
9	कौशल किशोर शुक्ला	हेल्पर	VLRAJ	कौशल किशोर
10	सरफराज अहमद	हेल्पर	"	सरफराज अहमद
11	मुनेश्वर लाल	हेल्पर	"	मुनेश्वर लाल
12	श्यामबिहारी	हेल्पर	"	श्यामबिहारी
13	सुनील गोड़	हेल्पर	"	सुनील गोड़.
14	अवधेश कुमार	हेल्पर	"	अवधेश कुमार
15	सुमित चौरसिया	हेल्पर		[illegible]
16	जयहिन्द यादव	सुपरवाइजर	"	जयहिन्द यादव
17				
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Signature of Trainer: Dilseep Singh / [illegible] 07/06/2022

07.06.2022

Doc. No.- HURL/GKP/ST/01

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(HURL)

HINDUSTAN URVARAK & RASAYAN LIMITED
GORAKHPUR (U.P.)
Safety Training
Attendance Sheet

Rev. No.- 0

Topic Discussed: For - PPES Training

Date: 12/06/22

Sl. No.	Name	Designation	Department/ Agency	Signature
1	Mahant Yadav	Regular	STPL	महन्त यादव
2	Gam Sanjan Dubay	H	"	[illegible]
3	ABHIMANU SINGH	G/F	"	Abhimanu Singh
4	Anuj Kumar	H	"	Anuj Kumar
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Signature of Trainer

Doc. No.- HURL/GKP/ST/01

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HINDUSTAN URVARAK & RASAYAN LIMITED
GORAKHPUR (U.P.)
Safety Training
Attendance Sheet

Topic Discussed: Hot Work Safety

Date: 04/07/2022

Sl. No.	Name	Designation	Department/ Agency	Signature
1	Chandra Bhushan	MWF	Mech. / Sourabh	
2	Mukesh Kr Yadav	"		मुकेश कुमार यादव
3	Pawan Kr Shani	HCOP		पवन कुमार सहानी
4	Vikash Yadav	HEL		विकाश यादव
5	Dinesh Yadav	"		
6	Layman Ku. Mahato	"		
7	Mithun Kumar	"		मिथुन कुमार
8	Hari Shankar Tiwari	G/F		हरिशंकर तिवारी
9	Tarun Kumar	HEL		
10	Pawan Kr Prajapti	"		पवन कुमार
11	Amar Kumar	"		Amar Kumar
12	Abhishek Kr. Singh	"		
13	Hari Bansh Baitha	"		हरिवंश
14	Raja Madhesiya	"		राजा मधेशिया
15	Munna Kr. Singh	"		
16	Bharat Kumar	G/F		
17	Dhiraj Kr. Choudhary	"		धीरज चौधरी
18	Ashok Thakur	"		अशोक ठाकुर
19	Shiv Shankar Kumar			Shiv Shankar Kumar
20	Raja Ram Yadav	Rigger		राजाराम यादव

Signature of Trainer:

Dilip Kumar Singh / Arvind

04/07/2022

04.07.2022

Doc. No.- HURL/GKP/ST/01

Rev. No.- 0

(HURL)

HINDUSTAN URVARAK & RASAYAN LIMITED
GORAKHPUR (U.P.)
Safety Training
Attendance Sheet

Topic Discussed: Confined Space Entry.

Date: 12.07.2022

Sl. No.	Name	Designation	Department/ Agency	Signature
1	Gopal Kumar	Engg	Meth / Sarasvati	Gopal
2	Dilip Kr. Gupta	SUP		Dilip Gupta
3	Mukesh Kr. Mishra	SUP		
4	Rajesh Kumar	HEL		राजेश कुमार
5	Gouri Shankar Dubey	HEL		गौरीशंकर पांडेय
6	Kundan Kumar	HEL		कुन्दन कुमार
7	Chandan Kumar	MUF		Chandan Kumar
8	Ashish Prajpati	HEL		Ashish Prajpati
9	Manjay Prasad	Rigger		मंजय प्र०
10	Sudhir Singh	MWF		लल्लन सिंह
11	Lalan Sing	"		Singh
12	Rohit Kr. Singh	"		Rohit Kr. Singh
13	Dharmendar Kr	HEL		धर्मेन्द्र निषाद
14	Mahant Yadav	Rigger		महन्त यादव
15	Margaru	"		मंगरू
16	Abhimanu Singh	"		A
17	Vivek Singh	"		Vivek Singh
18	Lutawan	G/F		लटावन
19	Vagish Singh	"		वागीश
20	Prasant ~~Singh~~ Dubey	"		Prasant

Signature of Trainer:

Dilkesh Kumar Singh / Amitesh

12/07/2022

12.07.2022

Alam

Doc. No.- HURL/GKP/ST/01

Rev. No.-0

HINDUSTAN URVARAK & RASAYAN LIMITED
GORAKHPUR (U.P.)
Safety Training
Attendance Sheet

Topic Discussed: ~~Dilip~~ MSDS

Date: 19.07.2022

Sl. No.	Name	Designation	Department/ Agency	Signature
1	Narsingh Yadaw	Rigger	Mech / Sarayah	नरसिंह
2	Pramod Kumar	G/F		Pramod Kumar
3	Raj Kumar	WEL		राजकुमार
4	Rahul Kumar	HEL		
5	Vikash Kr. Baitha	"		
6	Mahesh Sahani	Fitter		महेश सहनी
7	Dharmnath Sahni	"		धर्मनाथ सहनी
8	Ram Vaci Thakur	"		रामवाची ठाकुर
9	Sushil Kumar	HEL		Sushil Kumar
10	Rohit Kumar	Fitter		Rohit
11	Raja Kumar	HEL		Raja Kumar
12	Shambhu Sah	Lab		
13	Shailesh Yadaw	Rigger		
14	Aniwesh Sing	SUP		Aniwesh Singh
15	Parmod Singh	MWF		Pramod Singh
16	Yogendar Yadaw	G/F		योगेन्द्र यादव
17	Jitendar Lal	welder		जितेन्द्र लाल
18	Md Jafar Hasmi	HEL		
19	Sanjay Kumar Thakur	Fabricator		Sanjay Thakur
20	Sunil Kr. Sahani	IBRWEL		Sunil

Signature of Trainer:

Dilip Kumar Singh / Arvind

19/07/2022

Doc. No.- HURL/GKP/ST/01

Rev. No.- 0

HINDUSTAN URVARAK & RASAYAN LIMITED
GORAKHPUR (U.P.)
Safety Training
Attendance Sheet

Topic Discussed: Emergency Preparedness and Use of PPEs and Its importance.

Date: 24.07.2022

Sl. No.	Name	Designation	Department/ Agency	Signature
1	Gauri Shankar	Helper	M/S- Sarvagunta	[illegible]
2	Rajan Kumar Gupta	Fitter	"	Rajan Kumar
3	Prashant Dubey	Helper	"	[illegible]
4	Hari Shankar Tiwari	Fitter	"	[illegible]
5	Sudhir Kumar Gf.	"	"	[illegible]
6	Abhimanyu Singh	"	"	ABHIMANU SINGH
7	Rajesh Kumar	Helper	"	[illegible]
8	Tarun Singh	Fitter	"	[illegible]
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Signature of Trainer:

Dileep Kumar Singh / Arvind Yadav

Arvind

Doc. No.- HURL/GKP/ST/01

Rev. No.- 0

HINDUSTAN URVARAK & RASAYAN LIMITED
GORAKHPUR (U.P.)
Safety Training
Attendance Sheet

Topic Discussed: Emergency Preparedness

Date: 03.08.2022

Sl. No.	Name	Designation	Department/ Agency	Signature
1	UDAY YADAW	HEL		Uday yadaw
2	ARVIND SUKLA	SIE		Arvind Shukla
3	DAYANAND	HEL		
4	MAHESH SAHANI	FITTER		महेश सहनी
5	DHARAMNATH	"		धर्मनाथ सहनी
6	SUSHIL KUMAR	HEL		Sushil Kumar
7	ROHIT KUMAR	FITTER		ROHIT
8	SHAMBHU SAH	FEB		
9	SHAILESH YADAW	WELDER		शैलेश
10	ANIMESH SINGH	SUP		Animesh Singh
11	SANJAY KUMAR THAKUR	FEB		SK
12	SUNIL KUMAR SAHNI	IBR		सुनील साहनी
13	RAGHUNATH CHOUHAN	RIGGER		रघुनाथ
14	BALGOVIND KUMAR	HEL		बालगोविन्द
15	ANUJ KUMAR	HEL		ANUJ
16	RAMJI	SIE		रामजी
17	SATYA PRAKASH	"		सत्य प्रकाश
18	SHREE PRAKASH	"		OMKAR
19	OMKARNATH	"		श्री प्रकाश
20	IRSHAD ALLAM	HEL		Irshad

Signature of Trainer: Dilip Kumar Singh / Amit

03/08/2022

DOC. NO.- HURL/GKP/ST/01

(HURL)

HINDUSTAN URVARAK & RASAYAN LIMITED
GORAKHPUR (U.P.)
Safety Training
Attendance Sheet

Date: 04.08.2022

Topic Discussed: PPE Awareness and General plant Safety
Height work Safety

Sl. No.	Name	Designation	Department/ Agency	Signature
1	Manjeet Yadav	Supervisor	HR Const.	Manj
2	Rakesh Prasad	Helper	—"—	[illegible]
3	Devendra	—"—	—"—	देवेन्द्र
4	Sanjeev Kumar	—"—	—"—	संजीव कुमार
5	Ballash	—"—	—"—	[illegible]
6	Shivam Kumar	—"—	—"—	[illegible]
7	Dharmendra	—"—	—"—	Dharmendra
8	Kapildev Kanaujiya	—"—	—"—	कपिलदेव
9	Abhiman Raki	—"—	—"—	[illegible]
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Signature of Trainer: Shukla (Satyaprakash Shukla) 04/08/2022

Doc No.- HURL/GKP/ST/01

Rev. No.- 0

HINDUSTAN URVARAK & RASAYAN LIMITED
GORAKHPUR (U.P.)
Safety Training
Attendance Sheet

Topic Discussed: Hot Work Safety

Date: 08/08/22

Sl. No.	Name	Designation	Department/ Agency	Signature
1	Ramanand	Rigger	Hitech	[illegible]
2	Satya Prakash	Fitter	" "	SATYAPRAKASH
3	Dharmnath.	Welder	" "	DHARMNATH
4	Mitunjay Mishra	Welder	" "	Mitunjay Mishra
5	Santosh Kumar	Rigger	" "	Santosh
6	Chandresh Yadav	Mainliftop.	" "	Chandresh
7	Brijendra Gupta	F.Operator	" "	Gupta
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Signature of Trainer:

Dilee[illegible] Singh / Project

08/08/2022

Doc. No.- HURL/GKP/ST/01 Rev. No.- 0

HINDUSTAN URVARAK & RASAYAN LIMITED
GORAKHPUR (U.P.)
Safety Training
Attendance Sheet

Date: 10.08.2022

Topic Discussed: Material Handling / use of PPEs and its importance / What is PASS System? How to operate fire extinguisher?

Sl. No.	Name	Designation	Department/ Agency	Signature
1	Uday Paswan	TC	Bugna /	उदय पासवान
2	Rakesh	TC	B.L. Fa...	पवन पासवान
3	Sulama	TC		Sulama
4	Suman	Loader		सुमन कुमार
5	Nitunder	"		उदय पासवान
6	Ravi Kant	"		रविकांत पासवान
7	Pramod	"		प्रमोद
8	Kamlesh	"		कमलेश
9	Gurucharan	"		गुरुचरण
10	Chhote Lal	"		छोटेलाल
11	Nandlal	Mistar		नन्दलाल
12	Vijay Kumar	"		विजय कुमार
13	Ramasare	"		रामाश्रय
14	Bhanu Prakash	"		Bhanuprakash
15	Panjabimandal	"		पंजाबी मंडल
16	Ram Kr. Dube	"		
17	Tun Tun Kumar	"		टुनटुन कुमार
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Signature of Trainer: Dilip Singh / Sundar Pal.

10/08/2022

Doc. No.- HURL/GKP/ST/01

Rev. No.- 0

HINDUSTAN URVARAK & RASAYAN LIMITED
GORAKHPUR (U.P.)
Safety Training
Attendance Sheet

Topic Discussed: Material handling / Use of PPE and its importance / what is PASS system ? How to check of fire extinguisher

Date: 10.08.2022

Sl. No.	Name	Designation	Department/ Agency	Signature
1	Dheer Singh Yadav	Sup.	Bagging	
2	Vinay Kr. Singh	Sup.	B.L. Arora	
3	Sher Singh	Sup.		
4	Tej Pal	Helper		
5	Rakesh	"		
6	Satya Pal	"		Satyapal
7	Ankit Sharma	"		
8	Harun Rashid	"		HARUN RASID
9	Rafikul Islam	"		Sarwar Alam
10	Talo Sharan	"		Sarajulolam
11	Yashin Ali	"		
12	Sanirul	"		
13	Arjaul	"		Rafikul
14	Sanijuddin	"		
15	Sasikul Rahman	"		
16	Matikul Rahman	"		
17	Rajkul Haq	"		Abitaul
18	Nalu mahmmad	"		
19	Pawan Paswan	"		
20	Jay Ram	"		

Signature of Trainer: Dilip Singh / Sunder Pal

10.08.22

10/08/22

Doc. No.- HURL/GKP/ST/01

Rev. No.- 0

(HURL)

HINDUSTAN URVARAK & RASAYAN LIMITED
GORAKHPUR (U.P.)
Safety Training
Attendance Sheet

Rev. No.- 0

Topic Discussed: FAQ - Fire fighting training

Date: 16/09/2022

Saraswati Techinfra Pvt. Ltd.

Sl. No.	Name	Designation	Department/ Agency	Signature
1	Pramod Singh	MWF	STPL	
2	Sudhir Singh	MWF	"	
3	Ajit Kumar	MWF	"	
4	Arimanu Singh	G/F	"	Ajit Kumar
5	Rajesh Kumar	Helper	"	राजेश कुमार
6	Shri Ram yadav	Rigger	"	Yadav
7	Md. Jafar Hasmi	Helper	"	M.D. Jafar Hashmi
8	Pradeep Sharma	Helper	"	
9	Vikas yadav	"	"	Vikas yadav
10	Pramod Upadhyay	Rigger	"	Pramod Upadhyay
11	Raghuraj Chauhan	S/F	"	रघुराज चौहान
12	Om Kar Nath	S/F	"	ONKAR NATH
13	Satyaprakash Rai	S/F	"	सत्यप्रकाश राय
14	Suni Sahni	IBP	"	
15	Pawan Sahni	H/Supvd.	"	Pawan Sahni
16	Shri Prakash Rai	S/F	"	श्रीप्रकाश राय
17	Rohit Yadav	Rigger	"	Rohit Yadav
18	Narsingh Yadav	Rigger	"	
19	Sanjay Kumar	Fabricator	"	
20	Pawan Kumar Prajapati	"	"	Pawan Kumar Prajapati

Signature of Trainer:

16/09/2022

Annexure 9: Environmental Statement For the period October 2021toMarch ,2022

(Submitted as per Rule-14 of the Environment (Protection) Amendment Rules, 1993 of the Environment (Protection) Act, 1986 (29 of 1986) published vide Notification dated 22.04.1993-G.S.R. 386(E) in the Gazette of India (Extraordinary) Part-II Section-3 Subsection (i). No.155 dated 28.04.1993 by the Ministry of Environment and Forests, Government of India: read with the Notification dated 13.02.1993 G.S.R. 329 (E) of the Gazette of India (Extraordinary) Part-II Section-3 Subsection (i) No. 120 dated 13-03-1993)

"FORM - V"
(See Rule 14)
PART-A

GENERAL INFORMATION

1. Company Name: Hindustan Urvarak & Rasayan Limited

2. Occupier's Name: Hindustan Urvarak & Rasayan Limited

3. Registered Office of the Company: Core-4, 9th Floor, SCOPE Minar, Laxmi Nagar District Centre, New Delhi - 110092, Tel.: 011-22502267

4. Factory Address: Hindustan Urvarak & Rasayan Ltd. (HURL)
Admin Building, Fertilizer Township Gorakhpur
PO-Fertilizer Factory, Dist. - Gorakhpur-273007
Tel – 0551-2980206

5. Production capacity: Ammonia- 2200 MTPD
Urea-3850 MTPD

6. Establishment Year: Hindustan Urvarak & Rasayan Limited (HURL) was Incorporated on 15th June, 2016 as joint venture Company by CIL, NTPC, IOCL as the lead promoters with HFCL & FCIL as two other partners.

7. Date of Last Environmental Statement submitted: 30-11-2021.

PART - B

Water and Raw Materials Consumption

1. Water consumption m^3/day 26400 cum/day (Total Water Requirement)

Category	FY,2021-2022(m^3)	FY,2020-2021(m^3)
Process	Plant was in construction /Commissioning (approx. 21000 m3)	Plant was in construction
Cooling	Plant was in construction /Commissioning (approx. 60000 m3)	Plant was in construction
Domestic	Not applicable	Plant was in construction

Water Consumption per MT of product Output

Name of Product	FY, 2021-2022(m^3/day)	FY, 2020-2021 (m^3/day)
Urea	Not applicable	NA

2. Raw Material Consumption

* Nature of consumption	Process Raw Material Consumption per MT of product output		
	Quality of product	FY, 2021-2022 (m^3/day)	FY, 2020-2021 (m^3/day)
Natural Gas SM^3/MT of Urea	Not applicable	Plant was in construction /Commissioning	Plant was in construction

PART - C

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

Pollutants	Quantity of pollutants discharged (mass/day)	Concentration of pollutants in discharges (mass/volume)	Percentage of variation from prescribed standards with reasons
(a) Water	NIL	NA	NA
(b) Air	NIL	NA. However, Ambient Air Quality Monitoring data near construction site is attached **as Annexure-1**	Within prescribed standards (24/8/1 hourly Avg.)

STACK EMISSION TEST:**Annexure-1**

PART - D

HAZARDOUS WASTES

(As specified under Hazardous Wastes/Management and Handling Rules 1989)

Hazardous Wastes	Total Quantity (kg)	
	FY, 2021-2022	FY, 2020-2021
(a) From process	NIL	Plant was in construction
(b) From pollution control facilities	NIL	Plant was in construction

PART - E

SOLID WASTE

	Total Quantity (Kg)	
	FY, 2021-2022	FY, 2020-2021
a) From process	NIL	Plant was in construction
b) From pollution control facilities	NIL	Plant was in construction
c) Quantity recycled or reutilized within the Unit.	NIL	Plant was in construction
d) Sold	NIL	Plant was in construction
e) Disposed	NIL	Plant was in construction

PART - F

4. 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.

Generation of Hazardous Waste

Category	FY, 2021-2022 Qty	FY, 2021-2022 Qty
Used/spent Oil	NIL	Plant was in construction
Spent Catalyst	NIL	Plant was in construction
Plant was in construction	NIL	Plant was in construction
Empty Barrels/Containers/Liners Contaminated with Hazardous Chemicals/Wastes	NIL	Plant was in construction
Contaminated Cotton Rags or other Cleaning Materials	NIL	Plant was in construction
Chemical Sludge from Waste Water Treatment	NIL	Plant was in construction
Sludge from Treatment of Waste Water Arising out of Cleaning/Disposal of Barrels/Containers	NIL	Plant was in construction
Spent Ion Exchange Resin Containing Toxic Metals	NIL	Plant was in construction

PART - G

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

Smooth operation of Pollution abatement measures has resulted in following impact in conservation of Natural resources and the cost of production.

- Surface water and ambient air quality within the plant premises and also outside premise as per EC norms.
- Complete recycle of Ammonia and Urea Plant Process condensates after treatment in the plant itself resulting in recovery of Ammonia, CO2 and Urea and also serves as water conservation measure.
- Complete recycle of Turbine and other steam condensates to conserve water and chemicals.

- Due to Natural Draft Prilling Tower, emission of Urea dust is very low, which conserves the natural resource and increase the production.
- Due to use of clean fuel and state of art technology, emissions are minimized.
- Proper schedule of preventive maintenance and centrifuging of oil on all critical machines is there to minimize used oil generation.

Reduction in Raw water consumption has been achieved by:

- Maximum recycling of Service Water, Air Compressor Interstate Condensate etc., which were earlier being drained in surface drain.
- Using surface drain water for Green Belt Development in different plant area like: Bagging, ETP & Cooling Towers by installing portable pumps.
- Push type cock valves for washbasins and sensor based flushing system in toilets.
- Recycling backwash water from sand filters to raw water reservoir in WTP plant.
- Reduction of power consumption by LED electrical lights in plants by installing timers.
- By proper collection of spilled urea & recycled back in process from different locations in bagging plant.
- Running of cooling towers on High cycle of concentration and reducing of water losses through blowdown.

PART - H

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

- Plant will be based on zero discharge concept i.e. all effluent water will be treated and reused.
- Continuous monitoring of particulate matter, NO_x&So_x from all stack, particulate matter and NH_3 from Prilling Tower will be done to control emission as per norms.
- Installation of gas detectors at different locations will be installed to check fugitive emissions.

PART - I

Any other particulars in respect of environment protection and abatement of pollution.

The possible areas of resource conservation and the source of Pollutants are identified, assessed and subsequently proper arrangements for their control are incorporated. Some actions taken in direction to improve the quality of Environment at HURL are:

- HURL has a systematic procedure for safe collection and storage of spent lubricating oil. Centrifuges are provided to all machines to reduce the used oil generation. Oil drums are stored in main concreted.
- HURL is adopting a systematic procedure for Collection & Segregation of Solid waste. Separate bins have been provided for metallic / non-metallic waste, Consumable /non - consumable waste thus resulting into a better management of the same.
- Continuous development of Flora & Fauna by tree plantation and Green Belt Development, Gardens and Landscaping.

Dr Adarsh Kumar
Manager (E & QC)
Hindustan Urvarak & Rasayan Ltd. (HURL)
Admin Building, Fertilizer Township Gorakhpur
PO-Fertilizer Factory, Dist. - Gorakhpur-273007

डॉ. आदर्श कुमार
प्रबन्धक (पर्यावरण और गुणवत्ता नियंत्रण)
Dr. Adarsh Kumar
Manager (E & QC)
हिंदुस्तान उर्वरक एवं रसायन लिमिटेड, गोरखपुर
HURL Gorakhpur

Environment statement F.Y 2021-2022

Yearly Environmental Statement for the F.Y. 2021- 22 for proposed Ammonia - Urea (2200MTPD & 3850 MTPD) plants of HURL at Gorakhpur

Annexure- I

Period of Monitoring: Financial Year April 21 to March 22
Location: Main Gate HURL Plant

DAY	No. of Obs	PARAMETERS														
		PM_{10} ($\mu g/m^3$)	$PM_{2.5}$ ($\mu g/m^3$)	SO_2 (µg/m3)	NOx (µg/m3)	CO (mg/m3)	NH_3 (µg/m3)	NMHC (ppm)	MHC (ppm)	VOC (mg/m3)	Ozone (µg/m3)	Ni (ng/m3)	As (ng/m3)	Lead (µg/m3)	C_6H_6 ($\mu g/m^3$)	Benzo (a)pyrene (ng/m^3)
NAAQ Standards→		100	60	80	80	02	400	-	-	-	180	20	06	1.0	05	01
April 2021	09	96.0	54.7	13.0	24.4	1.58	BDL	3.36	3.27	4.44	-	-	-	-	-	-
May 2021	09	92.1	51.9	12.5	23.2	1.53	BDL	3.26	3.14	4.23	-	-	-	-	-	-
June 2021	08	89.7	51.2	12.1	22.9	1.48	BDL	3.12	2.99	4.13	-	-	-	-	-	-
July 2021	09	51.1	25.7	16.4	19.8	0.95	BDL	2.08	2.04	2.59	-	-	-	-	-	-
Aug 2021	09	15.9	14.0	12.5	11.6	0.90	BDL	1.17	1.15	1.15	-	-	-	-	-	-
Sept 2021	08	26.0	21.8	18.8	17.4	1.04	BDL	2.17	2.39	2.07	-	-	-	-	-	-
Oct 2021	08	39.1	34.5	18.3	14.3	0.85	BDL	-	-	-	9.10	BDL	BDL	BDL	<0.01	<0.01
Nov 2021	09	109.6	83.4	38.7	35.8	1.25	BDL	-	-	-	14.38	BDL	BDL	BDL	<0.01	<0.01
Dec 2021	09	107.2	76.3	21.8	25.0	0.80	BDL	-	-	-	14.00	BDL	BDL	BDL	<0.01	<0.01
Jan 2022	08	96.7	63.1	20.0	23.0	0.72	BDL	-	-	-	16.48	BDL	BDL	BDL	<0.01	<0.01
Feb 2022	08	93.0	61.2	19.4	22.3	0.70	BDL	-	-	-	15.78	BDL	BDL	BDL	<0.01	<0.01
Mar 2022	08	90.6	58.4	18.3	21.7	0.67	BDL	-	-	-	15.55	BDL	BDL	BDL	<0.01	<0.01
Min. Conc	102	**15.9**	**14**	**12.1**	**11.6**	**0.7**	**BDL**	**1.17**	**1.15**	**1.15**	**9.1**	**BDL**	**BDL**	**BDL**	**<0.01**	**<0.01**
Max. Conc		**109.6**	**83.4**	**38.7**	**35.8**	**1.58**	**BDL**	**3.36**	**3.27**	**4.44**	**16.48**	**BDL**	**BDL**	**BDL**	**<0.01**	**<0.01**
Avg		**75.58**	**49.68**	**18.48**	**21.78**	**1.04**	**BDL**	**2.53**	**2.50**	**3.10**	**14.22**	**BDL**	**BDL**	**BDL**	**<0.01**	**<0.01**
98th ptle		**109.0**	**81.84**	**34.98**	**33.42**	**1.57**	**BDL**	**3.35**	**3.26**	**4.42**	**16.41**	**BDL**	**BDL**	**BDL**	**<0.01**	**<0.01**

Ni, As, Pb ($\mu g/m^3$) = BDL, NH_3 (µg/m3) = BDL ,

BDL = Below Detection Limit

C_6H_6 & Benzo (a) Pyrene = <0.01 µg/m3

पर्यावरण प्रयोगशाला
प्रोजेक्ट्स एंड डेवलपमेंट इंडिया लिमिटेड
(भारत सरकार का उपक्रम)
मिनी रत्न-1कंपनी
पी.डी.आई.एल. भवन, ए-14,सेक्टर-1
नोएडा-201301,(उ.प्र.), भारत

Dr Adarsh Kumar
Manager (E & QC)
Hindustan Urvarak & Rasayan Ltd. (HURL)
Admin Building, Fertilizer Township Gorakhpur
PO-Fertilizer Factory, Dist. - Gorakhpur-273007

डॉ. आदर्श कुमार
प्रबंधक (पर्यावरण और गुणवत्ता नियंत्रण)
Dr. Adarsh Kumar
Manager (E & QC)
हिन्दुस्तान उर्वरक एवं रसायन लिमिटेड, गोरखपुर