



हिन्दुस्तान उर्वरक एवं रसायन लिमिटेड, गोरखपुर HINDUSTAN URVARAK & RASAYAN LTD., GORAKHPUR

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

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Ref. No.: HURL/GKP/22-23/ 10

Date: 26/05/2022

To,
Dr A.K Gupta,
Additional Director,
MoEF&CC, GOI
Regional Officer (RO)
(Central Zone CZ)
Kendriya Bhavan, 5th Floor
Sector-H, Aliganj, Lucknow-226020 (U.P.)

Subject: Ammonia (2200 MTPD) Urea (3850 MTPD) Fertilizer Project at Gorakhpur, Uttar Pradesh of M/s Hindustan Urvarak & Rasayan Limited (HURL)-Compliance Report for October 2021 to March 2022.

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 as mentioned above, please find attached herewith the compliance report for the period October, 2021 to March 2022.



Yours faithfully

(Sanjai Kumar Gupta)

Vice President -Technical

Hindustan Urvarak & Rasayan Ltd. (HURL)

Admin Building, Fertilizer Township Gorakhpur

PO-Fertilizer Factory, Dist. Gorakhpur-273007

Tel: -0551-2980206

COMPLIANCE REPORT

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

For the period

OCTOBER, 2021 TO MARCH, 2022

Submitted

TO

MoEF & CC, Regional Office (ECZ), Lucknow

AMMONIA UREA FERTILIZER PLANT

(2200MTPD Ammonia & 3850MTPD Urea)

GORAKHPUR

May, 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 October, 2021 to March 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) is commissioned & used during emergency only. In normal operation EDG will remain in stopped condition. Emissions-limits for the pollutants from the Diesel Generator Sets and the stack height are as per statutory guidelines. The AAQ analysis is attached for ready reference in Annexure 1 . This point is compiled 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/Nm ³ , and also the NATIONAL AMBIENT AIR QUALITY STANDARDS.	As on 31 st March, 2022 the project is under Commissioning stage and the design includes the control methods for particulate matter emissions which are addressed in the detailed project report. During operation phase of the plant the NAAQS will be complied.
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.	We have made an agreement with the Nagar Nigam of Gorakhpur for consumption of water from the Chilwa Tal for process utility. Fresh water Consumption shall be within limit. 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 Oct'2022. 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 bio-diversity 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 be reduced by adopting 3 R's (Reduce, Reuse & Recycle) concept in the process.	The Project is based on Zero Liquid Discharge concept adopting 3R's and when plant becomes operational, no waste/treated water shall be discharged outside the Plant.

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6	<p>Industry shall develop Greenbelt with 10m 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.</p>	<p>PO for the plantation of 5000 trees is raised to the District Forest Department and Rs. 27,35,000/- is paid for execution of the same. We are following up with the DFO for completion of the work. Annexure 3 and Annexure 4 gives the details of the PO and the amount paid.</p> <p>Land Development has started in the identified areas and soil work is being done by the Forest Department. Following is the progress in this regard:</p> <ol style="list-style-type: none"> 1) Plantation work of native perennial trees& soil work is in progress during phase-1 of plantation along the eastern & northern plant boundary for approximately 5000 trees. Soil preparation and levelling done 2) Digging activity completed and near about 5000 holes made by Department. 3) Installation of Concrete Pole and wire fencing is under progress. Plantation work under process and Expected Date of Completion-Oct'22
7	<p>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</p>	<p>Water from Chilwa Tal is the only source of fresh water being used during operation of the Plant. Dragging work is in progress by which water bodies & Sludge are being removed on regular basis. Annexure 5 and Annexure 6.</p>
8	<p>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.</p>	<p>All the commitments made during 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.</p>
9	<p>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</p>	<p>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</p>

	<p>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 within 5 years. The ECS plan will include following activities:</p> <ol style="list-style-type: none"> Up-gradation of existing school with modern education facilities 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 6monthly compliance report. Conservation plant for shall be continue with. Safe drinking water facility with RO plant in villages located within 3 Km radius of the plant with maintenance cost. 	<p>Ministry's regional office once the plant becomes operational. Following activities are in progress:</p> <ol style="list-style-type: none"> 1-Installation of RO plantwater purifier in nearby Villages (Schools).Work awarded to M/s Oxybee solutions Pvt. Ltd and implementation is in process. Project Cost.17 Crore 2-Development of Model village at Sonbarsa, Gorakhpur. MoU signed between GDA & HURL. LOA awarded to PMC. Tender uploaded on e-tender website (UP Govt) by GDA. Project Cost 12.3 Crore. 3-Installation of Oxygen Plant at Harnahi & Campiarganj CHC's. is completed and handed over to respective CHCs in charge. Project Cost .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 making, District Gorakhpur. MoU signed between GDA & HURL.LOA awarded to PMC. Implementing Agency is selected through tendering process. Work order will be issued shortly. Project Cost 3.5 Crore.
10	<p>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.</p>	<p>The EC conditions is relating to establishment of Environmental Cell operational as Environment & quality Control department.</p> <p>A regular Environment and Quality Control Manager having Ph.D. qualification has been appointed to look after the activities of the proposed plant</p> <p>This point is compiled and closed.</p>
11	<p>Continuous online (24 X 7) monitoring system for emissions and effluent generation shall be installed for flow/discharge measurement and the pollutants concentration within the plant.</p>	<p>The installation of the continuous monitoring systemdone according to the CPCB guidelines. Details of Application and document has been submitted to CPCB. Data uploaded on</p>



	Data shall be uploaded on company's website and provided to the respective RO of MoEF& CC, CPCB and SPCB.	company's website and provided to the respective RO of MoEF& CC, CPCB and SPCB. Bi weekly monitoring is carried out. Annexure 1
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 and records are being maintained for the same. We have also started with covid-19 related safety & health measures by adopting sanitization; thermal scanning guidelines for workers, compulsory PPE like face masks etc. All the construction workers are ensured to be equipped with PPEs such as helmets, hand gloves, boots etc. before entering into construction site.
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 31 st March, 2022, the plant is under commissioning stage, no Hazardous raw material is being stored. Storage of hazardous raw material as per this condition will be done in future when plant becomes operational, annual Return in Form IV will be submitted along with the compliance of

Annexure

		condition mentioned in HW Authorization issued. This point is compiled and closed.
15	Urea dust shall be controlled by prescribed standard technique.	Complied with. Cyclone separator are installed for controlling of urea dust. Hight 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 shall strictly comply 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 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. This will also be complied with during operation phase.
v)	The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including	All efforts are being made to contain the noise levels within the standard limits at plant round the clock. All equipment's deployed at site are

	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).	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 water for the process activities of the project to conserve fresh water.	This condition has been complied during the designing of the buildings and rainwater harvesting system have been placed. Annexure 7 This point is complied 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. 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.	When plant becomes operational, CSR activities will be undertaken by involving local villages and administration as per the extant guidelines.
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.
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 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.	This stated condition will be complied by HURL.
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 shall be 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.	Being Complied.
xv)	The environmental statement for each financial year ending 31 st March in Form-V as is mandated shall be submitted to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules,	The Environment Statement for the financial year ending 31 st March ,2022 in From-V will be submitted on time. Copy of the latest Environmental Statement is attached in Annexure7 for reference.

	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.	
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 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.	This point is compiled and closed.
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 and date of start of the project- COD of the Gorakhpur Project is declared on 03.05.2022.

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Following Annexure 1-9 Report

Annexure-1 Noise, Air, and Water Quality Analysis Report October, 2021 to March, 2022

Compliance of EC conditions for the period October 2021 - March 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 October 2021 to March 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, Gol (2000)
- Manual on Artificial Recharge of Ground Water, Central Water Ground Board, Ministry of Water Resources, Gol (2007)
- Rain Water Harvesting and Conservation: Manual, Consultancy Services Organization, CPWD, Gol (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 PM₁₀, PM_{2.5}, NO_x, SO₂, C₆H₆, CO, Benzo (a) pyrene (BAP), NH₃, 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 October 2021 to March 2022.

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HURL Gorakhpur Air Quality Data October, 2021 to March, 2022

Compliance of EC conditions for the period October 2021 - March 2022 for proposed Ammonia - Urea (2200MTPD & 3850 MTPD) plants of HURL at Gorakhpur

HURL GORAKHPUR, AIR QUALITY DATA - (October 2021 to March 2022)

MONTH	Parameters	NAAQS	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)		
		Standards								
Oct-21	PM10	(µg/m ³)	100	44.5	43.6	42.7	41.9	41	43.2	
	PM2.5		60	34	33.3	32.7	32	31.4	33	
	SO2		80	15.8	15.5	15.2	14.9	14.6	15.3	
	NOX		80	14.7	14.4	14.1	13.8	13.5	14.2	
	C6H6		5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	BAP		(ng/m ³)	1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	CO		(mg/m ³)	2	0.87	0.86	0.84	0.82	0.8	0.89
	NH3		(µg/m ³)	400	BDL	BDL	BDL	BDL	BDL	BDL
	OZONE			180	9.35	9	8.8	8.62	8.4	10.4
	Ni		(ng/m ³)	20	BDL	BDL	BDL	BDL	BDL	BDL
As	6	BDL		BDL	BDL	BDL	BDL	BDL		
Lead	(µg/m ³)	1	BDL	BDL	BDL	BDL	BDL	BDL		
Nov-21	PM10	(µg/m ³)	100	117.9	115.6	112.1	112.6	86.4	113.2	
	PM2.5		60	89.2	87.4	85.6	86.1	65.8	86.5	
	SO2		80	42.2	41.4	39.4	38.8	30.3	39.8	
	NOX		80	39	38.3	36.5	36.1	28.1	36.9	
	C6H6		5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	BAP		(ng/m ³)	1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	CO		(mg/m ³)	2	1.35	1.33	1.26	1.22	0.97	1.34
	NH3		(µg/m ³)	400	BDL	BDL	BDL	BDL	BDL	BDL
	OZONE			180	16.13	15.49	13.93	13.6	10.7	16.4
	Ni		(ng/m ³)	20	BDL	BDL	BDL	BDL	BDL	BDL
As	6	BDL		BDL	BDL	BDL	BDL	BDL		

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

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HURL Gorakhpur Air Quality Data October, 2021 to March, 2022

Compliance of EC conditions for the period October 2021 - March 2022 for proposed Ammonia - Urea (2200MTPD & 3850 MTPD) plants of HURL at Gorakhpur

	Lead	($\mu\text{g}/\text{m}^3$)	1	BDL	BDL	BDL	BDL	BDL	BDL
Dec-21	PM10	($\mu\text{g}/\text{m}^3$)	100	115	112.7	109.8	108.5	85.4	111.9
	PM2.5		60	81.2	79.4	79	77.8	60.3	80
	SO2		80	29.6	26.1	18.6	16.4	10.5	29.5
	NOX		80	32.3	30.9	21.1	20.9	14.2	30.8
	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	0.93	0.91	0.54	0.73	0.76	0.95
	NH3	($\mu\text{g}/\text{m}^3$)	400	BDL	BDL	BDL	BDL	BDL	BDL
	OZONE		180	15.73	15.11	13.26	13.1	10.6	16.2
	Ni	(ng/m3)	20	BDL	BDL	BDL	BDL	BDL	BDL
	As		6	BDL	BDL	BDL	BDL	BDL	BDL
	Lead	($\mu\text{g}/\text{m}^3$)	1	BDL	BDL	BDL	BDL	BDL	BDL
Jan-22	PM10	($\mu\text{g}/\text{m}^3$)	100	103.6	103.1	99.9	97	75.4	101.1
	PM2.5		60	70.2	67.4	62.5	61.6	53.6	63.3
	SO2		80	27.1	24	17.1	15	9.7	27.1
	NOX		80	29.6	28.4	19.4	19.2	13	28.3
	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	0.78	0.82	0.49	0.66	0.68	0.86
	NH3	($\mu\text{g}/\text{m}^3$)	400	BDL	BDL	BDL	BDL	BDL	BDL
	OZONE		180	19.1	17.4	15.8	15.5	13.4	17.7
	Ni	(ng/m3)	20	BDL	BDL	BDL	BDL	BDL	BDL
	As		6	BDL	BDL	BDL	BDL	BDL	BDL
	Lead	($\mu\text{g}/\text{m}^3$)	1	BDL	BDL	BDL	BDL	BDL	BDL
Feb-22	PM10	($\mu\text{g}/\text{m}^3$)	100	100	98.9	95.8	93	73.3	97
	PM2.5		60	68	65.5	60.5	59.7	52.1	61.4
	SO2		80	26.3	23.3	16.6	14.6	9.4	26.3
	NOX		80	28.7	27.5	18.8	18.6	12.6	27.5

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

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HURL Gorakhpur Air Quality Data October, 2021 to March, 2022

Compliance of EC conditions for the period October 2021 - March 2022 for proposed Ammonia - Urea (2200MTPD & 3850 MTPD) plants of HURL at Gorakhpur

	C6H6		5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	BAP	(ng/m ³)	1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	CO	(mg/m ³)	2	0.8	0.77	0.48	0.64	0.66	0.83
	NH3	(µg/m ³)	400	BDL	BDL	BDL	BDL	BDL	BDL
	OZONE		180	17.3	16.4	15.6	15.3	12.6	17.5
	Ni	(ng/m ³)	20	BDL	BDL	BDL	BDL	BDL	BDL
	As		6	BDL	BDL	BDL	BDL	BDL	BDL
	Lead	(µg/m ³)	1	BDL	BDL	BDL	BDL	BDL	BDL
Mar-22	PM10	(µg/m ³)	100	97	95.9	90.1	89.3	74.7	96.3
	PM2.5		60	62.7	63.5	57.1	56.9	50.6	59.5
	SO2		80	24.9	22.6	16.1	14.1	9.1	22.9
	NOX		80	27.9	26.7	18.3	18.1	12.3	26.6
	C6H6		5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	BAP		(ng/m ³)	1	<0.01	<0.01	<0.01	<0.01	<0.01
	CO	(mg/m ³)	2	0.78	0.74	0.4	0.62	0.64	0.81
	NH3	(µg/m ³)	400	BDL	BDL	BDL	BDL	BDL	BDL
	OZONE		180	17.1	16.2	14.7	15.4	12.5	17.4
	Ni	(ng/m ³)	20	BDL	BDL	BDL	BDL	BDL	BDL
	As		6	BDL	BDL	BDL	BDL	BDL	BDL
	Lead	(µg/m ³)	1	BDL	BDL	BDL	BDL	BDL	BDL

AVERAGE	PM10	(µg/m ³)	100	96.33	94.97	91.73	90.38	72.70	93.78	
	PM2.5		60	67.55	66.08	62.90	62.35	52.30	63.95	
	SO2		80	27.65	25.48	20.50	18.97	13.93	26.82	
	NOX		80	28.70	27.70	21.37	21.12	15.62	27.38	
	C6H6		5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	BAP		(ng/m ³)	1	<0.01	<0.01	<0.01	<0.01	<0.01	
	CO		(mg/m ³)	2	0.92	0.91	0.67	0.78	0.75	0.95

YKH

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

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HURL Gorakhpur Air & Noise Quality Data October, 2021 to March, 2022

Compliance of EC conditions for the period October 2021 - March 2022 for proposed Ammonia - Urea (2200MTPD & 3850 MTPD) plants of HURL at Gorakhpur

NH3	($\mu\text{g}/\text{m}^3$)	400	BDL	BDL	BDL	BDL	BDL	BDL
OZONE		180	15.79	14.93	13.68	13.59	11.37	15.93
Ni	(ng/m^3)	20	BDL	BDL	BDL	BDL	BDL	BDL
As		6	BDL	BDL	BDL	BDL	BDL	BDL
Lead	($\mu\text{g}/\text{m}^3$)	1	BDL	BDL	BDL	BDL	BDL	BDL

Ni, As, Pb ($\mu\text{g}/\text{m}^3$) = BDL, NH₃ ($\mu\text{g}/\text{m}^3$) = BDL, BDL = Below Detection Limit
C₆H₆ & Benzo (a) Pyrene (BAP) = <0.01 $\mu\text{g}/\text{m}^3$

HURL GORAKHPUR, NOISE QUALITY DATA - (OCT 21 - MARCH 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-8 (SA3)	HURL residence Quarter E-13 (SA4)	Karmaha Village (SA5)	Bargadwa Village (SA6)
OCT-21	24hrs AvgLeq Value db(A)	-	50	49.4	43.1	41.7	42.5	47.4
	Daytime AvgLeq Value db(A)	75/55/65	51.2	50.7	44.2	42.8	43.5	48.5
	NighttimeAvgLeq Value db(A)	70/45/55	45.3	44.7	39.7	38.5	39.3	43.5
NOV-21	24hrs AvgLeq Value db(A)	-	50.4	49.9	43.5	42.1	42.8	47.8
	Daytime AvgLeq Value db(A)	75/55/65	51.7	51.2	44.6	43.2	43.9	48.9
	NighttimeAvgLeq Value db(A)	70/45/55	45.3	44.7	39.7	38.5	39.3	43.5
DEC-21	24hrs AvgLeq Value db(A)	-	50.9	50.4	43.9	42.5	43.2	48.3
	Daytime AvgLeq Value db(A)	75/55/65	52.3	51.7	45	43.6	44.3	49.4
	NighttimeAvgLeq Value db(A)	70/45/55	45.7	45.2	40.1	38.9	39.7	43.9
JAN-22	24hrs AvgLeq Value db(A)	-	49.9	49.4	43.1	41.7	42.4	47.3
	Daytime AvgLeq Value db(A)	75/55/65	51.2	50.6	44.1	42.8	43.4	48.4
	NighttimeAvgLeq Value db(A)	70/45/55	45.1	44.6	39.6	38.4	39.2	43.4
FEB-22	24hrs AvgLeq Value db(A)	-	49.8	49.3	43	41.7	42.4	47.2
	Daytime AvgLeq Value db(A)	75/55/65	51.1	50.5	44	42.7	43.4	48.4
	NighttimeAvgLeq Value db(A)	70/45/55	45.1	44.5	39.6	38.4	39.2	43.4
MAR-22	24hrs AvgLeq Value db(A)	-	52.5	51.9	45.3	43.8	44.6	50.4
	DaytimeAvgLeq Value db(A)	75/55/65	53.8	53.2	46.4	44.9	45.6	51.6
	NighttimeAvgLeq Value db(A)	70/45/55	47.4	46.8	41.6	40.3	41.2	45.5
Average	24hrs Avg Leq Value db(A)	-	50.6	50.1	43.7	42.3	43.0	48.1
	Daytime Avg Leq Value db(A)	75/55/65	51.9	51.3	44.7	43.3	44.0	49.2
	Nighttime Avg Leq Value db(A)	70/45/55	45.7	45.1	40.1	38.8	39.7	43.9

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

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HURL Gorakhpur Ground Water Quality October, 2021 to March, 2022

Compliance of EC conditions for the period October 2021 - March 2022 for proposed Ammonia - Urea (2200MTPD & 3850 MTPD) plants of HURL at Gorakhpur

HURL, GORAKHPUR, GROUND WATER QUALITY DATA- 2021-22

AVERAGE RESULTS (OCTOBER 21 TO MARCH 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	7.4	7.4	7.3	6.5-8.5
2	Temperature (°C)	27.1	27.1	27.3	.
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	29.3	31.0	33.3	.
8	Total Dissolved Solids	351.0	374.0	383.0	500/2000
CHEMICAL					
1	P- Alkalinity as CaCO ₃	NIL	NIL	NIL	.
2	Total Alkalinity as CaCO ₃	182.7	197.7	200.7	200/600
3	Chloride as Cl	49.3	50.0	48.3	250/1000
4	Sulphate as SO ₄	44.3	47.3	55.3	200/400
5	Nitrate as NO ₃	4.5	4.3	4.2	45/NR
6	Fluoride as F	<0.4	<0.4	<0.4	1.0/1.5
7	Total Hardness as CaCO ₃	242.3	227.7	246.7	200/600
8	Ca. Hardness as CaCO ₃	184.3	160.3	180.0	75/200*
9	Mg. Hardness as CaCO ₃	58.0	67.3	65.3	30/100**
10	Sodium as Na	25.7	40.0	35.7	.
11	Potassium as K	3.2	5.2	4.7	.
12	Silica as SiO ₂	12.7	13.7	12.0	.
13	Iron as Fe	0.25	0.21	0.20	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

युनिट

पर्यावरण प्रयोगशाला
प्रौद्योगिकी भवन, इंदिरा गांधी स्मिथियन
मिनी रत्न-1 कंपनी

APM

HURL Gorakhpur Ground Water Quality October, 2021 to March, 2022

Compliance of EC conditions for the period October 2021 - March 2022 for proposed Ammonia - Urea (2200MTPD & 3850 MTPD) plants of HURL at Gorakhpur

4	Zinc as Zn	0.78	0.77	0.76	5.0/15
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 ₆ H ₅ OH	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- 2021-22

AVERAGE RESULTS (OCTOBER 21 TO MARCH 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 (°C)	26.5	26.5	26.5	-
2	Colour, HU	21	21	19	5/15
3	Turbidity (NTU)	16	16	16	1/5
4	pH	7.4	7.4	7.4	6.5-8.5
5	Total Dissolved Solids	307	304	304	500/2000
6	Suspended Solids	46	45	43	-
CHEMICAL					
1	Total Alkalinity as CaCO ₃	163	158	157	200/600
2	Chloride as Cl	46	47	47	250/1000
3	Sulphate as SO ₄	42	41	41	200/400
4	Nitrate as NO ₃	4.3	4.2	4.1	45/NR
5	Fluoride as F	<0.4	<0.4	<0.4	1.0/1.5
6	Total Hardness as CaCO ₃	227.3	229.0	215.0	200/600
7	Calcium Hardness as CaCO ₃	175.7	188.7	174.7	75/200
8	Magnesium Hardness as CaCO ₃	51.7	40.3	40.3	30/100

मिनी स्ला-1 कंपनी
पी.डी.आई.एल. भवन, ए-14, सेक्टर-1
नोएडा-201301, (उ.प्र.), त्त

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HURL Gorakhpur Ground Water Quality October, 2021 to March, 2022

Compliance of EC conditions for the period October 2021 - March 2022 for proposed Ammonia - Urea (2200MTPD & 3850 MTPD) plants of HURL at Gorakhpur

9	Dissolve Oxygen	6.5	6.4	6.4	-
10	COD	20.7	22.1	22.9	-
11	BOD ₅ (3 days at 27° C)	5.2	5.5	14.1	-
12	Sodium as Na	21.3	19.0	22.7	-
13	Potassium as K	2.7	2.5	3.5	-
HEAVY METALS					
1	Iron as Fe	0.14	0.14	0.14	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	0.70	0.65	0.66	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)	1015	962	928	-

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

यशोधर

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

Abm

Annexure-2 Deed with Nagar Nigam



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

रजद कियम; व।-कय



सुबोध दिसित

SUBODH DIXIT

वरिष्ठ प्रबन्धक

Sr. Manager

हिन्दुस्तान उर्वरक एवं रसायन लिमिटेड, गोरखपुर
HURL, Gorakhpur

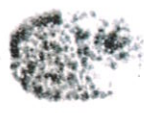


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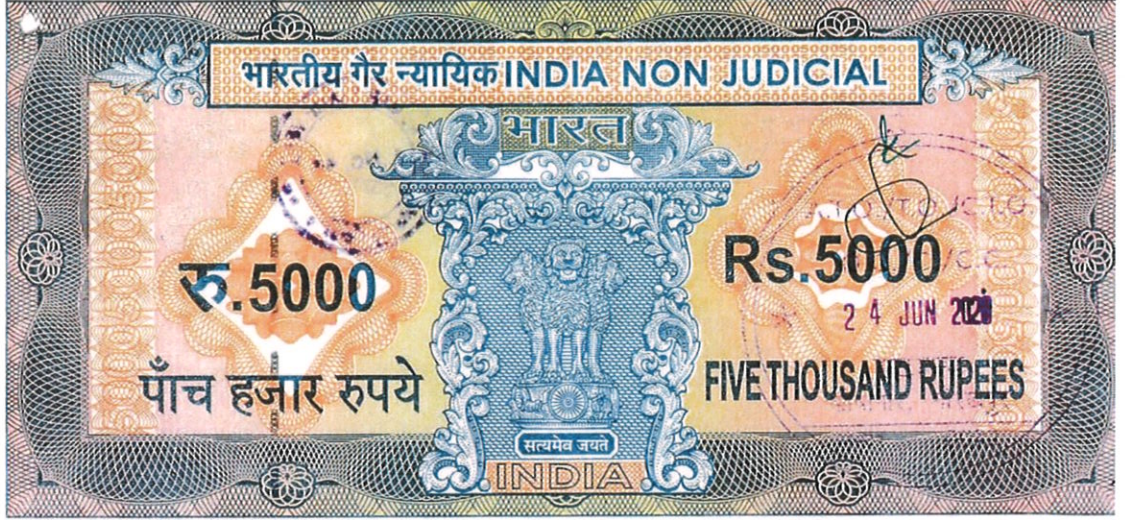
विद्युत्ताप उर्वरक एवं रसायन लि० गोवधुपु। युनिट गोवधुपु।
जिल्हा सुभेदाय वीकिंग बिल्ड प्रम-बक



विद्युत्ताप उर्वरक
एवं रसायन लि०
गोवधुपु। युनिट
गोवधुपु।



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उत्तर प्रदेश UTTAR PRADESH

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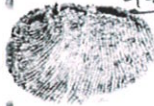


व

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।

सहायक निरीक्षक
नगर निगम, गोरखपुर




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



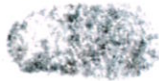


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हि-इलाहाबाद उच्च न्यायालय एवं लखनऊ न्यायालय में गौरीशंकर प्रसाद
जटिल प्रमाण दस्तावेज के लिए प्रमाण

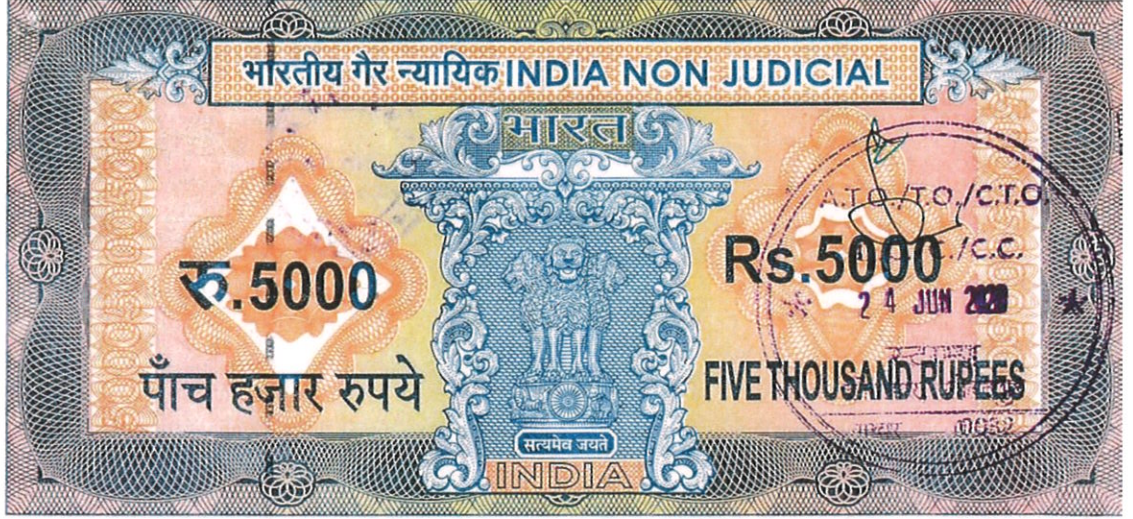


श्री. राजेश
राजेश कुमार
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उत्तर प्रदेश UTTAR PRADESH

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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

2020

सुबोध दिक्षित

SUBODH DIXIT

बरिष्ठ प्रबन्धक

Sr. Manager

हिन्दुस्तान उर्वरक एवं रसायन लिमिटेड, गोरखपुर
HURI, Gorakhpur

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उत्तर प्रदेश UTTAR PRADESH

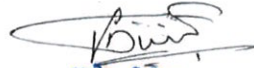
BK 325757

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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 नहीं हो पाता है तो उसके पूर्ति का दायित्व किसी भी दशा में प्रथम पक्ष का नहीं होगा।

राजस्व निरीक्षक
नगर निगम, गोरखपुर
2020


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

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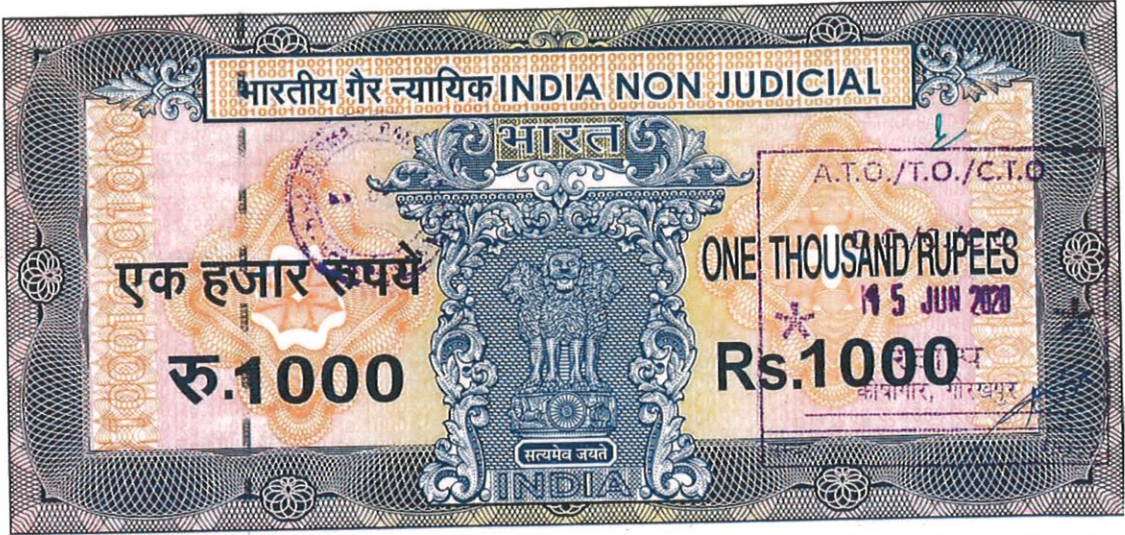
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उत्तर प्रदेश UTTAR PRADESH

BK 325758

- (5)
- 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 तदनुसार 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
उत्तर प्रदेश



सुबोध दिक्षित
SUBODH DIXIT
वरिष्ठ प्रबन्धक
Sr. Manager

हिन्दुस्तान उर्वरक एवं रसायन लिमिटेड, गोरखपुर
HURL, Gorakhpur



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उत्तर प्रदेश UTTAR PRADESH

BK 325759

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- 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 लिए, 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
गोरखपुर, उ.प्र.
15/6/20



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



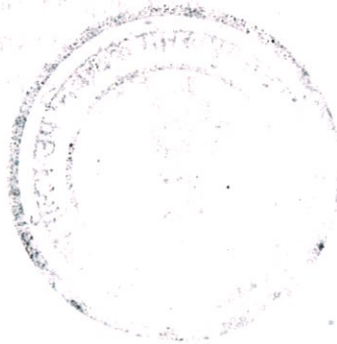
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उत्तर प्रदेश UTTAR PRADESH

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- 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।

राज्य निरीक्षक
एच एच सिन्हा, गोरखपुर

24/6/20

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

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29 अक्टूबर 2020 2000950014524

पट्टा विलेख/ कबूलियतनामा



बही सं०: 1

रजिस्ट्रेशन सं०: 4293

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 सुबोध दीक्षित अधिकृत
वरिष्ठ प्रबन्धक द्वारा पदाधिकारी/ प्रतिनिधि
ने यह लेखपत्र इस कार्यालय में दिनांक 29/06/2020
एवं 04:12:12 PM बजे
निबंधन हेतु पेश किया।

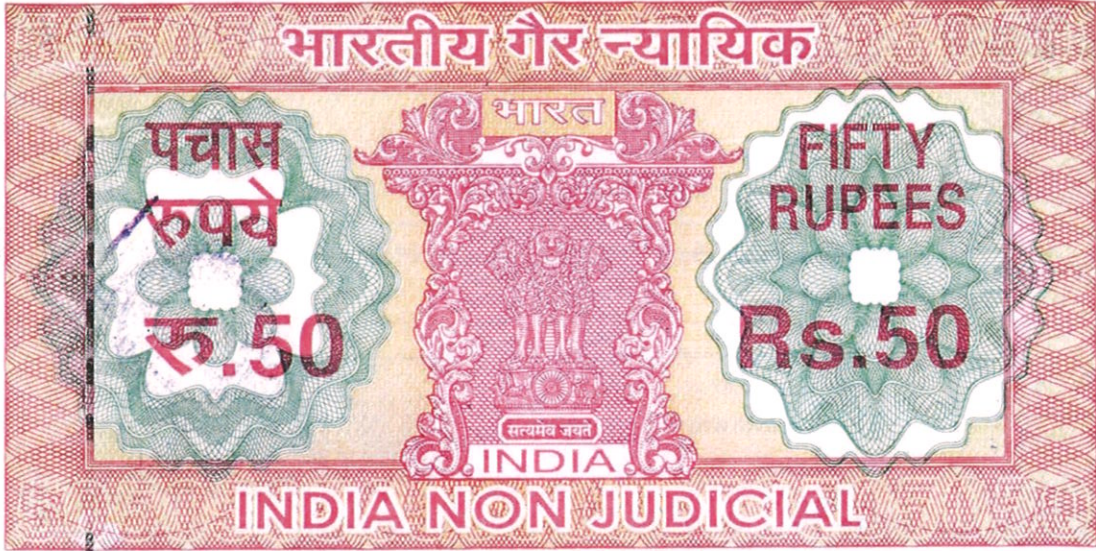
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रजिस्ट्रीकरण अधिकारी के हस्ताक्षर

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

श्री दिनेश शाही
निबंधक लिपिक

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उत्तर प्रदेश UTTAR PRADESH

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- 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।

राजेश दिवस
रविवार, २०२२




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



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आवेदन सं०: 202000950014524

बही सं०: 1

रजिस्ट्रेशन सं०: 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

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-दुधरा, पोस्ट-बनियावारी, खलीलाबाद,

संतकबीर नगर

व्यवसाय: नौकरी

पहचानकर्ता: 2



श्री राजनारायण, पुत्र श्री रामउग्रह

निवासी: रामपुर चक, मानीराम, गोरखपुर

व्यवसाय: अन्य



रजिस्ट्रेशन अधिकारी के हस्ताक्षर

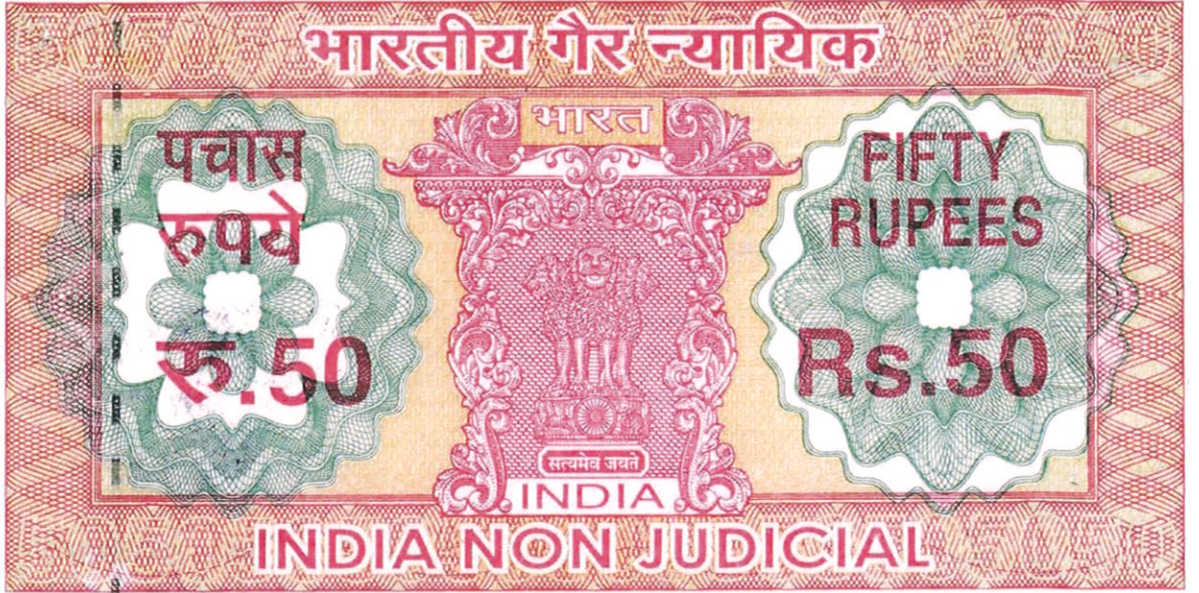
ने की। प्रत्यक्षतः भद्र साक्षियों के त्तिधान अंगूठे नियमानुसार
लिए गए हैं।

टिप्पणी:

योगेन्द्र प्रताप सिंह
उप निबंधक: सदर प्रथम
गोरखपुर

श्री दिनेश शाही
निबंधक लिपिक

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उत्तर प्रदेश UTTAR PRADESH

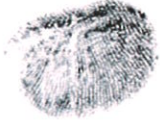
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हस्ताक्षर प्रथम पक्ष

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हस्ताक्षर द्वितीय पक्ष

राजेश्वर विराजक
वचन लिखक, गोरखपुर
रु. 50



सुबोध दक्षित
SUBODH DIXIT
ज्येष्ठ प्रबन्धक
Sr. Manager
हिन्दुस्तान उर्वरक एन एमएन लिमिटेड
HUKL, Gorakhpur



साक्षीगण:-

1- अतुल कुमार् S/o.....

सुबाष चन्द्र राय
सा० दुधरा पोखरियाबारी
खलीलाबाद, सलकबीर नगर

2- राज नारायण पट्टनायक S/o.....

शमभद्र पाठक
सा रामपुर चक्र पोखरियाबारी
गोरखपुर

स्थान-गोरखपुर
दिनांक-29.06.2020

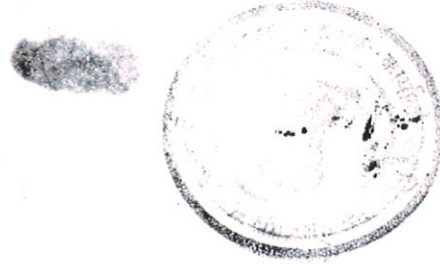
प्रारूपकर्ता
गोविन्द सिंह
(गोविन्द सिंह)
एडवोकेट
कलेक्ट्री कचहरी, गोरखपुर

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आवेदन सं०: 202000950014524

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

रजिस्ट्रीकरण अधिकारी के हस्ताक्षर
KUMAR STAMP VENDOR
योगेन्द्र प्रताप सिंह
उप निबंधक, सदर प्रथम
गोरखपुर
29/06/2020



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) 38
हिंदुस्तान उर्वरक एवं रसायन लिमिटेड, गोरखपुर
HURL, Gorakhpur

Annexure-3

GREEN BELT DEVELOPMENT & PLANTATION OF TREES

The project proponent shall develop greenbelt in an area of 33% i.e., nearly 130 acres out of 350 acres plant area of the project. The greenbelt of 10m width around periphery shall be provided (Plate A)

5000 trees per year in 5 year shall be planted in nearby village with the consultation of the villagers.

Purpose

Trees and plants are an essential component of healthy environment. In addition to maintaining the oxygen-carbon dioxide balance in the atmosphere through photosynthesis, trees and plants control air and noise pollution, control soil erosion, provide food and shelter to domestic and wild animals including birds and insects, and improve the aesthetic value of the environment. The utility of the green belt predominantly lies in its capacity to attenuate the fugitive emission and spillage. Thus, the objectives of the proposed green belt program are as follows:

- a) To control air pollution due to fugitive emissions and spillage.
- b) To attenuate noise generated by various machines.
- c) To attenuate the effect of accidental release of toxic gases.
- d) To reduce the effect to fire and explosion.
- e) To improve the general appearance and aesthetics of the area.
- f) To provide food and habitat for wildlife.
- g) To control soil erosion.
- h) To obscure the proposed facilities from general view.

Areas to be afforested

Gorakhpur Fertilizer plant shall be established in vacant land in the battery limit of FCI of 350 acres of land. Green-belt development program shall be undertaken in 33% of the plant area including 10 m wide green belt around the battery limit of the plant. There exists a green cover around the existing

abandoned fertilizer plant. The existing township is well planned with a proper forestation. While preparing the layout plan for locating the different facilities, extreme care has been exercised to preserve the existing plantation to the extent possible. Trees, lawns and gardens shall be developed within the premises to cover all the vacant areas. Extreme care shall be taken to utilize all available areas for forestation.

Scheme and Species for Green Belt

The general approach for selection of species for green belt development is their potential for attenuation of fugitive emissions and noise, diversity of vegetation, introduction of species attracting birds and animals, and to create a natural habitat. It is proposed to develop trees of different heights so as to provide cover from ground level up to the canopy of tall tree species. Further, trees with big foliage and those known to prosper well in the area will be developed. Preference will be given to fruit bearing trees so as to provide food and shelter to birds and insects.

Efforts have been made by M/s HURL in collaboration with State Forest Department to explore mutual areas of interest in the area of identifying trees/plants to maintain/enhance the current biodiversity index and subsequently budgetary quote to implement green belt development plan have been obtained.

APB

Annexure-3 DFO PO for plantation of 5000 trees

Hindustan Urvarak & Rasayan Limited.
 Gorakhpur Manufacturing Unit, HURL Gorakhpur Unit-1, Administrative Building,
 Hurl Campus, Fertilizer, Gorakhpur, City, Gorakhpur, Pin: 273007
 Uttar Pradesh
 GSTIN : 09AADCH9368N1ZU

Duplicate

Purchase Order		
Vendor Code : 1300198 Vendor Name & Address : Firm M/s District Forest Officer Forest Department Gorakhpur, Gorakhpur, 999999 PAN No. : GSTIN No. : ALDD00932B091D4 State : Uttar Pradesh	Po No. : 6000000314 Purchase Group : GST Po Date : 23.03.2021	Delivery Address Gorakhpur Manufacturing Unit, HURL Gorakhpur Unit-1, Administrative Building, Hurl Campus, Fertilizer, Gorakhpur, City Gorakhpur, Pin: 273007, Uttar Pradesh. GSTIN : 09AADCH9368N1ZU


Subject : PLANTATION OF 5000 TREES FOR GREEN BELT PLANTATION IN HURL CAMPUS ATHURL GORAKHPUR.

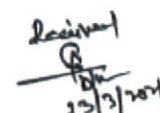
NIT No : NIL

Your Offer No :

Your Reference No :

Dear Sir,
 M/S DISTRICT FOREST OFFICER Against proposal no: IA/UP/IND2/54269/2016 DTD: 5TH MAY 2016

Thanking You ,
 For & On behalf Of,
Enclosures : 

Received

 23/3/2021

PONo 6000000314

Registered Office Address:
 Hindustan Urvarak & Rasayan Limited ,Core-4, 9th Floor Scope Minar, Laxmi Nagar, District Centre, New Delhi, East Delhi,
 110092, Tel: 01122502267, Delhi, India .
 GSTIN : 07AADCH9368N1ZU

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DFO Letter with amount paid for plantation



हिन्दुस्तान उर्वरक एवं रसायन लिमिटेड, गोरखपुर HINDUSTAN URVARAK & RASAYAN LTD., GORAKHPUR

(A Joint Venture of NTPC, IIL, IOCL, FCI & HFCL)
कार्यालय : प्रशासनिक भवन, एच यू आरएसएन कैंपस, लखनऊ, गोरखपुर - 273 007 ई.ए. भारत, एमएस : 0551-2261177
Office : Administrative Building, HURL Campus, Fertiliser Gorakhpur - 273 007 U.P. India. Telefax : 0551-2261177

Ref: HURL/GKP/21-22/ 1731

Date: 18.06.2021

सेवा में

श्रीमान् प्रभागीय वनाधिकारी,
वन विभाग,
गोरखपुर।

विषय- हिन्दुस्तान उर्वरक एवं रसायन लिमिटेड (HURL), गोरखपुर परिसर में वृक्षारोपण कार्य के लिये वांछित कुल धनराशि के अग्रिम भुगतान संबंधी डिमांड ड्राफ्ट सुपुर्द करने हेतु

सन्दर्भ : इस कार्यालय का पत्रांक : HURL/GKP/2020-21/1128 दिनांक 15.09.2020
आपके कार्यालय का पत्रांक : 1548/2-6 दिनांक 14.10.2020 एवं 4739/ 2-6 दिनांक 08.06.2021
महोदय,

उपरोक्त संदर्भित विषय में HURL प्लॉट परिसर में रिक भूभाग एवं प्लॉट चहारदीवारी से लगे भूभाग में खण्ड वृक्षारोपण के रूप में काटेदार तार-बाड़ सहित रोपण तथा पट्टी वृक्षारोपण के रूप में ट्री गार्ड (आवरन गार्ड) सहित रोपण हेतु इस कार्यालय द्वारा वित्तीय वर्ष 2020-21 के लिये उद्भूत वृक्षारोपण कार्य के क्रियान्वयन संबंधी P.O. 6000000314 दिनांक 23.03.2021 आपके कार्यालय के सुपुर्द किया गया है। (प्रति संलग्न)

आपके पत्रांक:1548/2-6 दिनांक 14.10.2020 एवं 4739/ 2-6 दिनांक 08.06.2021 के अलावा मैं उपरोक्त वृक्षारोपण कार्य के कार्यान्वयन हेतु आपके द्वारा वांछित कुल धनराशि के अग्रिम भुगतान का डिमांड ड्राफ्ट इस पत्र के माध्यम से आपके सुपुर्द किया जा रहा है, जिसका विवरण निम्नवत है :

डिमांड ड्राफ्ट संख्या	धनराशि	अदाता / प्राप्तकर्ता का नाम	जारीकर्ता बैंक एवं शाखा का नाम	जारी करने की तिथि
224469	2735000.00	DIVISIONAL FOREST OFFICER GORAKHPUR, FOREST DIVISION GORAKHPUR	STATE BANK OF INDIA : OVERSEAS BRANCH (NEW DELHI)	10 / 06 / 2021

अतः श्रीमान् से नियेदित है कि उपरोक्त संदर्भित वृक्षारोपण कार्य का क्रियान्वयन यथाशीघ्र प्रारंभ करवाने की कृपा की जाय।

Regd. with d.d.
18/06/2021
संलग्नक - 1) डिमांड ड्राफ्ट (धनराशि-2735000.00) - मूल प्रति
2) P.O. (संख्या-6000000314) - छाया प्रति

भवदीय
सुबोध दीक्षित 18/06/2021
वरिष्ठ प्रबन्धक
हिन्दुस्तान उर्वरक एवं रसायन लिमिटेड (HURL)
गोरखपुर

पंजीयन कार्यालय : कोर-4, 9th Floor, SCOPE Minar, Laxmi Nagar District Centre, New Delhi-110 092, भारत, एमएस : +91-11-22502267, 22502268
Corporate Office : Core-4, 9th Floor, SCOPE Minar, Laxmi Nagar District Centre, New Delhi-110 092, India. Tel: +91-11-22502267, 22502268
पंजीयन कार्यालय : कोर-4, 9th Floor, SCOPE Minar, लखनऊ नगर डिस्ट्रिक्ट सेंटर, नई दिल्ली - 110 092
Regd. Office : Core-4, 9th Floor, Scope Minar, Laxmi Nagar District Centre, Delhi- 110 092
कार्यालय एमएस / CIN : U24100DL2016PLC158399
वेबसाइट / Website : www.hurl.net.in

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जारी करने वाला भारतीय स्टेट बैंक
 Issuing Bank: STATE BANK OF INDIA
 कोड नं./CODE No: 04803
 टेल.नं./Tel. No.:

नांगदाफ्ट
DEMAND DRAFT

Key: NEKHAR
 Sr. No: 744840

1	0	0	6	2	0	2	1
D	D	M	M	Y	Y		

मार्ग जानेपर DIVISIONAL FOREST OFFICER GORAKHPUR, FOREST DIVISION GORAKHPUR

या प्रकार आदेश है
 OR ORDER

ON DEMAND PAY
 Twenty Seven Lakh Thirty Five Thousand Only

रुपये RUPEES

अदा करे ₹ 2735000.00

01000446224459 Key: NEKHAR Sr. No: 744840 AMOUNT BELOW ₹ 735001 (D7)
 Name of Applicant: HINDLSTAN URVARAK & RASAYAN LI

मूल्य प्राप्त / VALUE RECEIVED

[Signature]
[Signature]
 A-6218

भारतीय स्टेट बैंक
 STATE BANK OF INDIA
 अदाकर्ता शाखा / DRAWEE BRANCH: GORAKHPUR
 कोड नं./CODE No: 30086

अधिकृत सहायक
 ASSISTANT MANAGER
 शाखा प्रबंधक
 BRANCH MANAGER

कंप्यूटर द्वारा मुद्रित होने वाली चेक
 ONLY BY COMPUTER PRINTED
 केवल 3 महीने के लिए वैध
 VALID FOR 3 MONTHS ONLY

जमाकर्ता रिजर्वेशन
 ACCOUNT RESERVATION
 के लिए दो अंकों वाले स्टिकर को चिपकाए रखें।
 PASTE TWO DIGIT STICKER OF VALUE 00 TO 99 ON THE FRONT OF THE CHECK.

⑈ 224469⑈ 00002000⑈ 000446⑈ 16

[Handwritten mark]

Annexure 4 PO no. 600000493 for Procurement of bottle palm at HURL Gorakhpur



Hindustan Urvarak & Rasayan Limited.

Gorakhpur Manufacturing Unit, HURL Gorakhpur Unit-1, Administrative Building,
Hurl Campus, Fertilizer, Gorakhpur, City : Gorakhpur, Pin : 273007
Uttar Pradesh
GSTIN : 09AADCH9368N1ZQ

Material Purchase Order

Purchase Order No. : 600000493 Po Date : 01.11.2021

Vendor Name & Address :

M/S & OberLAVANYA
CONSTRUCTION PVT LTD
11TH FLOOR 1109 CHIRANJIV
TOWER-43, NEHRU PLACESOUTH
DELHI,SOUTH DELHI,110019

Vendor Code : 1300291

P.Org : 1001 Material Domestic
Delivery Plant : U101 Gorakhpur
Manufacturing Unit, HURL Gorakhpur
Unit-1

PAN No. : AACCL4943L
GSTIN No. : 07AACCL4943L3Z6
State : Delhi

Subject : Purchase of 1000 bottle palm at HURL Gorakhpur.

NIT No : LTE

Your Offer No :

Your Reference :

Our Reference :

Dear Sir,

M/s LAVANYA CONSTRUCTION PVT LTD

Thanking You ,

For & On behalf Of Hindustan Urvarak Rasayan Limited.

Enclosures :

Registered Office Address:

Hindustan Urvarak & Rasayan Limited, Core - 4, 9th Floor, SCOPE MINAR, Laxmi Nagar District Center, New Delhi,
110092, Tel:01122502267, Delhi, India
GSTIN : 07AADCH9368N1ZU

(Bill of Quantity)

Name of Work : Purchase of 1000 bottle palm at HURL Gorakhpur.

Delivery/ Address

Gorakhpur Manufacturing Unit,
HURL Gorakhpur Unit-1,
Administrative Building,
Hurl Campus, Fertilizer, Gorakhpur,
City: Gorakhpur,
Pin: 273007, Uttar Pradesh,
GSTIN : 09AADCH9368N1ZQ

Invoicing Party Address

M/S & Other LAVANYA CONSTRUCTION PVT LTD
11TH FLOOR 1109 CHIRANJIV TOWER-43, NEHRU
PLACESOUTH DELHI, SOUTH DELHI, 110019

PAN No. : AACCL4943L
GSTIN No. : 07AACCL4943L3Z6
State : Delhi

Sl.No	Code	Description	Unit	Quantity	Net Price	IGST		Amount
						Rate %	Amount	
10		bottel palm trees	NO	1000.000	572.00			572,000.00
Total Net Amount								572,000.00
Total Gross Amount								572,000.00

INR FIVE LAKH SEVENTY TWO THOUSAND RUPES

(Scope Of Work)

Supply of bottle palm tree (Min height 10 feet)

Registered Office Address:

Hindustan Urvarak & Rasayan Limited, Core - 4, 9th Floor, SCOPE MINAR, Laxmi Nagar District Center, New Delhi,
110092, Tel: 01122502267, Delhi, India
GSTIN : 07AADCH9368N1ZU



(Terms & Conditions)

Payment Terms :

100% payment within 30 days after receipt, acceptance of material.

Payment Mode :

NEFT/RTGS

Liquidated Damages :

LD will be applicable at rate of 0.5% per week subject to maximum 10 weeks (GST will also be deducted on above at prevailing rate at the time of dispatch from the bill of part)

Special Instruction :

SPECIAL TERMS & CONDITIONS

01. Work shall be carried out in consultation with ENGINEER-IN-CHARGE

02. The Engineer-in-charge will be Sr. Manager (HR).

03. The Defect liability period shall 3 months.

04. The work shall be carried out immediately or as per instruction by ENGINEER-IN-CHARGE.

05. Survival rate of plants shall be 100%. All dead plants within three months duration shall be replaced free of cost from the vendor/ Supplier with same species in all respect.

06. The executor shall provide all safety equipment/ Personal protective equipment to their deployed workmen at own cost.

07. All other terms & Conditions shall be as per SOR/ MOU, special T&C and GCC for civil works of HURL.

08. Other requirement # Minimum height of the Plant shall be not less than 10 feet

Coordinating Executive of HURL : Sr. Manager (HR)

Delivery- 500 qty delivered within 15 Days & rest 500 Qty we shall inform you later

Registered Office Address:

Hindustan Urvarak & Rasayan Limited, Core - 4, 9th Floor, SCOPE MINAR, Laxmi Nagar District Center, New Delhi, 110092, Tel: 01122502267, Delhi, India
GSTIN : 07AADCH9368N1ZU



(List Of Documents)

Please note that below documents are needed to be provided along with Invoice.

1. Delivery challan if any
2. Tax Invoice

Registered Office Address:

Hindustan Urvarak & Rasayan Limited, Core - 4, 9th Floor, SCOPE MINAR, Laxmi Nagar District Center, New Delhi,
110092, Tel: 01122502267, Delhi, India
GSTIN : 07AADCH9368N1ZU



Annexure 5 Dredging Picture

NON-LSTK	DREDGING	M/S NKI-WPCOS	DREDGING
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Key Highlights

DREDGING :

- 7,69,974 / 20,00,000 Cum dredging completed.
- Second dredger commissioning in progress.



Shoot Date 07-Sep-20

Abna

Annexure 6 Dredging Work order



वापकोस लिमिटेड
WAPCOS LIMITED

(भारत सरकार का उपक्रम)
जल संसाधन, नदी विकास व गंगा संरक्षण मंत्रालय
(A Government of India Undertaking)
Ministry of Water Resources, River Development & Ganga Rejuvenation



No. WAP/WRD/HURL/GOR/DREDGING/2018-19/३१३३

Date: 29th Nov, 2018

M/s NKI Consortium
C/o Northernexpress Infradevelopers Pvt. Ltd.
C-209, Antop Hill Warehousing Complex,
Near Dosti Acres, Vidyalankar College marg,
Wadala East, Mumbai – 400037
Ph: 022-2413 3031
Email: northernexpressinfra@gmail.com

Subject: Letter of Award

Assignment: "Dredging & Reclamation At Chilwa Tall (Also Called As Mahesra Tall) in Gorakhpur, Uttar Pradesh State".

References NIT No. WAP/WRD/GOR/2018-19/01 Dated: 11/10/2018

Dear Sir,

With reference to the above, we are pleased to award the work for "Dredging & Reclamation At Chilwa Tall (Also Called As Mahesra Tall) in Gorakhpur, Uttar Pradesh State".

1. SCOPE OF WORK & BILL OF QUANTITIES

The scope of work covers HURL propose to deepen the Chilwa Lake area (also known as Chillua Taal or Mahesara Taal) to a depth of about 3.0 Mts to increase the storage capacity and to develop the adjacent areas. Dredging and removal of aquatic plants from the lake is required to be done in order to increase the storage capacity, improve the water quality and restoring the health of aquatic ecosystems. Dredging will also increase in storm/ storage capacity there by lowering the possibility of flooding during monsoon on Item Rate Basis.



76-C, Institutional Area, Sector - 18, Gurugram - 122 015 (Haryana), INDIA

Tel. : +91-124-2399421 • Fax : +91-124-2397392

E-mail : ho@wapcos.co.in ; mail@wapcos.co.in • Website : http://www.wapcos.co.in

CIN : U74899DL1969GOI005070

AFna

MATERIAL TO BE DREDGED

Dry Excavation

- a. Removal of surface vegetation in dredging/excavation site (within the proposed lake area) and transporting the same up to a lead distance of 1.50 to 2.0km (includes manpower, fuel, equipment & accessories, etc).
- b. The approximate quantity of excavation/ dry dredging is 14.0 lakh cubic meter. Dry excavation is to be carried out to achieve the design level of + 68.50 M MSL.

Dredging/Wet Excavation

- a. Removal of Aquatic plants viz: hydrilla, water hyacinth, duck weed, trash etc., in the Chilwa Lake prior to desilting under water body for augmenting the storage capacity of raw water. The work shall be carried out in the water- logged area demarcated in the Chilwa Lake and disposing the trash materials on the disposal area up to distance of 1.50 to 2.0 km (includes manpower, fuel, equipment& accessories, etc).
- b. The approximate quantity of dredging is 6.0 lakh cubic meter. Dredging/ Wet excavation is to be carried out to achieve the design level of + 68.50 M MSL.

Earthen dyke/ Bund construction for Shore disposal

- a. For Earthen bund construction on periphery of lake: -
For maintaining the boundary area of the lake for water containment, it is proposed to utilise the excavated material in the outer periphery of the lake duly constructing bunds to provide a catchment area for the lake. The dimensions of the earthen dyke to be constructed is 3 mts top width, 12 mts bottom width & 3 mts height, the maximum top of the bund will be 72.0m for a length of 6.26 km. It is approximated that around 1.5 lakh cum of soil would be required to construct dyke for an approximate length of 6.26 km.
- b. For the stability of Earthwork for embankment (earthen dyke)/dyke mentioned at Clause, soiled filled geo- bags/sand bags will be used upto a height of 2 mtr.

Note:-

1. The approximate quantity to be dredged shall be finalised after completion of Pre dredging surveys.
2. The dredged material shall be disposed at the specified disposal areas, which shall be informed to the contractor beforehand during execution of work. The work shall be done as per the directions and close supervision of Engineer in charge or his authorized representative.



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3. The tentative Quantity to be dredged for wet dredging & Reclamation is 6.00 Lakh cubic meter which may vary +/- 20% for which the quoted rate per cum remains same.
4. The tentative Quantity for dry excavation is 14.00 Lakh cubic meter which may vary +/- 20% for which the quoted rate per cum remains same.
5. The tentative quantity to be dredged shall be finalised after completion of Pre dredging surveys.

Any item/activity which is not listed here but is required for completion of job as per enquiry's scope of work, Tender document, Technical Specifications and drawings shall be under Contractor's scope without any cost implication to Owner.

2. **TOTAL CONTRACT VALUE:** The above work is being awarded on lump sum fee of Rs. 35,91,05,150/- (Rupees Thirty Five Crore Ninety One Lakh Five Thousand One Hundred and Fifty Only). GST shall be paid over and above cost of the Project. GST shall be paid at prevailing rate (currently @12%) against documentary evidence.
No other charges shall be paid by WAPCOS for establishing site office, travel, communication facilities, stationary etc.
3. **EFFECTIVE DATE OF THE CONTRACT :** Effective date of contract shall be date of issuance of Letter of Award (LOA)
4. **TIME SCHEDULE :** 10 (Ten) months from the date of issue of Letter of Award (LOA)
5. **PAYMENT SCHEDULE**

MEASUREMENTS:-

- a) The Joint Survey to be conducted for Pre, Progress as well as Post dredging surveys by using Echo sounder, Automatic level and DGPS / RTK for position fixing/Lidar Survey where applicable. All the Joint surveys shall be arranged by contractor at his cost.



Page 3 of 11

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- b) Levels will be taken at the intervals of 5 x 2 m before commencement of Dry excavation and after completion of Dry excavation as Pre progress & Post dredging surveys.
- c) Soundings will be taken at the intervals of 5 x 5 m by lead line/echo sounder before commencement of wet dredging and after completion of wet dredging as Pre, progress & Post dredging surveys.
- d) The dredged volume shall be calculated based on the levels/soundings taken before commencement and after completion of dredging of the area between dredging limits by using Simpon's rule

The measurement of the quantity of the dredged out material will be calculated as per the quantum of material dredged in the dredging area earmarked. Pre, Progress & Post dredging survey charts of dredging area shall be considered for payment.

Quantity of dry excavation shall be calculated by land survey and shall be calculated as per the quantum of material excavated in the excavation area earmarked. Pre, Progress & Post excavation survey charts of desiltation area shall be considered for payment as per unit mentioned in BOQ.

The quantity certified by the agency appointed by M/s HURL as third party shall be considered for monthly payments. The monthly bills shall be released within 30 days from the date of receipt of certified bill from third party agency appointed by M/s. HURL

The Bill for Services rendered/payment will be made on a monthly basis, by concerned Project Office /Head Office through NEFT/RTGS only. No advance for the work done or any other advance whatsoever will be payable to the Contractor. The work done certificate shall be certified by Site-in-Charge or the person nominated by Project-in-Charge.

The details of wages paid and statutory recoveries like PF and other statutory recoveries of the crew / workers should be indicated in the wage slip and same should be must be attached to the Bill. Payment for the crew/workers should not be less than the minimum wages paid at the place of working. However the proof of payment of such Statutory recoveries should be submitted later periodically.



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PAYMENT

WAPCOS Limited shall pay the amount certified in a Certificate of Payment less the amount paid earlier in accordance with Clause 48(3) [Certificate of Payment], no later than [30 (thirty)] Business Days from the date of such Certificate of Payment. Tax deduction at source (TDS) shall be made in terms of Income tax rules enforced from time to time as per GOI guidelines.

VARIATION IN QUANTITIES: The rates quoted by the party and accepted by WAPCOS shall hold good till the completion of work and no additional claim will be admissible on account of fluctuation in market rates, tools etc.

No cognizance will be given for any sort of fluctuations in rates of any individual items for the purpose of making adjustment in payments.

6. WORK SCHEDULE

Time is the essence of the contract and shall be strictly adhered to. All the works as indicated in scope of work shall be completed in all respect within the time period.

The Contractor shall prepare an integrated programmer chart in MS Project/Primavera software/Bar chart for the execution of work, showing clearly all activities from the start of work to completion, with details of manpower, equipment and machinery required for the fulfillment of the programmer within the stipulated period or earlier and submit the same for approval to the Engineer-in-Charge within ten days of award of the contract

The programmer chart should include the following:

- i. Descriptive note explaining sequence of the various activities.
- ii. Network (PERT / CPM / BAR CHART).
- iii. Programme for procurement of materials by the contractor.



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The contractor shall intimate the employer within 3 (three) days the name of the authorized person with contact number, who will be responsible for field activity and day to day interaction with the employers authorized representative for field activity

Note: All other terms and conditions of tender document will prevail

7. CONTRACT COORDINATION PROCEDURE

All correspondences including submission of bills (in duplicate) for payment shall be at the following address:

Shad Nomani
Engineer,
WRD Division
WAPCOS Limited,
76-C, Sector-18, Gurugram, Haryana-122015
Mail: wrd@wapcos.co.in

8. DELIVERABLES

The deliverables shall be as per the scope of work as detailed in tender document will prevail. All plans, design calculations, studies, data, maps, drawings and specifications prepared by the Implementing Agency in connection with the services to be provided by the Implementing Agency shall be the property of the Owner, As and when required or upon termination of the Contract, the aforesaid Documents, prepared specifically for this Study (including originals), shall be handed over to the Owner before final acceptance or thereafter.

9. INSURANCE

The agency shall insure himself against any liability under any workmen compensation ordinance or equivalent prevailing legislation and any modifications thereof, which may be put in force by the government during the continuance of the contract.

In the event of any loss or damage suffered in consequence of any accident or injury or disease resulting from his work to any workman or other person in the employment of the agency, the agency shall pay compensation to the victims.



Shad

The agency shall in respect of his employees who are employed by him pay rates of wages, observed hours of labour and provide other facilities not less favorable than those required by law.

10. TAXES AND DUTIES

- i. All taxes, duties & levies (including, surcharge and cess there upon as applicable), insurance charges for insurance to be taken by Contractor as per statutes, license fees (if any), etc. (excluding GST) shall be included in the EPCM fee for their scope in implementation of WORK and the same shall be borne by the Contractor. WAPCOS will not bear any expenditure, whatsoever on this account. GST shall be reimbursed by the WAPCOS at actuals based on the documentary evidence.
- ii. Payments to Service Provider for claiming GST amount will be made provided the formalities mentioned herein below after are fulfilled. Further, WAPCOS may seek copies of challan and certificate from Chartered Accountant for deposit / submission of Return of GST thereupon collected from Owner.
- iii. Any changes in statutory rules and regulations under GST regime shall be followed by the Contractor.
- iv. The responsibility of payment of above taxes thereupon lies with the Contractor only. Contractor providing taxable service shall issue an Invoice as per the law, a Bill or as the case may be, a Challan which is signed, serially numbered and in accordance with GST rules. The invoice shall also contain the following:
 - Name, Address & GST Registration No. of such Person/Contractor
 - Name & Address of the Person/Contractor receiving Taxable Service
 - Description, Classification & Value of Taxable Service provided like HSN/SAC Code.
 - GST Amount & Cess thereupon, if any.
- v. As regards Income Tax, Surcharge on Income Tax and other Corporate Taxes, including Cess wherever applicable, the Contractor shall be responsible for such payments to the concerned authorities.

However, the Owner is entitled to deduct taxes at source from the payment to be made to the contractor in accordance with the Indian Tax laws and rules as applicable from time to time and deposit it with the concerned Authorities within the prescribed time.



The Contractor shall be required to submit the PAN details to the Project Manager before the submission of the first bill.

- vi. The Implementing Agency shall be liable to take/ maintain all necessary insurance(s) at its own cost.

11. GENERAL SPECIFICATIONS

- (i) WAPCOS shall not be responsible for any mishappening/loss/damage of equipment or human resource or due to some natural calamities/ insurgencies/ terrorist activities caused during the course of the work. The agency shall be fully responsible and shall take full care of any mishappening, accident, disaster, or any unforeseen circumstances while doing Survey work. Any consequential legal/financial/judicial matters shall be full liability of the agency. WAPCOS Ltd. shall not be liable in whatsoever manner.
- (ii) Contractor shall ensure that all warranties /guarantees available by suppliers of all electrical/ hydro-mechanical/ electro-mechanical item(s) / equipment(s), which are becoming integral part of WORK, are passed on to HURL. Contractor shall endeavor vide its contract(s) to obtain for benefit of HURL from suppliers/ vendors of such items/ equipment/ material, guarantee(s) to replace or repair such items/ equipment/ material, which are found to be defective under normal operating conditions within 12 (twelve) months from date of their respective commissioning at HURL site, whichever is earlier. Contractor agrees to fully cooperate and assist HURL/WAPCOS to enforce such guarantees against aforesaid vendors
- (iii) The agency shall make his own arrangement for filtered and unfiltered water and lighting etc. as per requirement at his own cost.

12. SETTLEMENT OF DISPUTE

- (i) Any disputes or differences including those considered as such by only one of the parties, arising out of or in connection with the Contract shall be to the extent possible settled amicably between the parties.



Page 8 of 11

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- (ii) If amicable settlement cannot be reached then all disputed issues shall be settled by arbitration as provided under Clause 10.0 ARBITRATION in tender document.
- (iii) In case of arbitration by the executing contractor, the final award of the arbitrator and the expenditure during the arbitration process (if any) shall be paid by WAPCOS if and only if such cost is reimbursed by HURL/PDIL to WAPCOS.

13. ADDITIONAL CONDITIONS

- (i) The agency shall depute qualified and competent Engineers/Supervisors to carry out the work and shall be available at site during work.
- (ii) The contractor shall submit daily progress report to WAPCOS site engineer. The contractor shall equip their site in charge with a mobile phone to facilitate communication and control over work progress
- (iii) Contractor shall be required to seek approval of work/ drawing from WAPCOS beforehand. One hard copy of Final Report as acceptable to the Engineer-in-Charge, shall be submitted in colour for verification.
- (iv) WAPCOS, on behalf of HURL/PDIL, shall vet and approve the overall scheme, prepared by Contractor, for Dredging of Chilwa Taal at Hurl Gorakhpur.
- (v) WAPCOS, on behalf of HURL/PDIL, shall vet and approve all the drawings & documents technically generated and furnished by Contractor.
- (vi) WAPCOS shall vet and certify all bills / invoices of Contractor before payment thereof from HURL. Contractor shall render all documents / data to satisfaction of WAPCOS, enabling them to certify Contra



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- (vii) In case, any delay occurs due to local hindrance the contractor shall mobilize additional man power and equipment/instruments to accelerate the work with a sole intention to compensate the lost time period. The contractor shall not be entitled to any payment on account of any accelerated effort if required to complete the work within the stipulated time period and is deemed to have included in the quoted prices.
- (viii) WAPCOS Ltd. reserves the right to terminate this agreement anytime during course of the work, if (i) the progress of the work is not found satisfactory as per the time frame, (ii) the work being done is not found of desired quality as per nomenclature of items and terms and conditions, in such an eventuality the payment due to the agency shall be forfeited.
- (ix) The agency has to make all arrangements to provide necessary accommodation / shelter to all its employees at their own cost.
- (x) The Contractor shall be responsible to take all precautions to ensure safety of the public and his own personnel. Further, survey agency will also be required to take following insurances at your own cost.
- Third party liability insurance.
 - Worker's compensation insurance in respect of Survey Agencies' personnel.
 - Any other insurance for public & Survey agencies' personnel in accordance with the relevant provisions of the applicable land.
 - Insurance of all machines and equipment
- (xi) The agency shall comply with the provisions of the following acts:
- Contract labour (Regulation & Abolition) Act 1970
 - Employees Provident Fund Act, 1952
 - Minimum Wages Act, 1948 (Amended)
 - Employer's Liability Act, 1938 (Amended)
 - Industrial Employment Act, 1946 (Amended)



Page 10 of 11



Ator

- Personnel Injuries (Compensation Insurance) Act, 1963 (Amended)
- (xii) The survey agency shall not employ any labour below 18 years.
- (xiii) All other terms & conditions will be applicable as per tender document.
- (xiv) If any dispute arises on the interpretation of the order or execution of work, CMD WAPCOS will be sole arbitrator and his decision will be final and binding on both the parties.

Thanking you,

Yours sincerely,



S. Suresh P
 (Sai Suresh P)
 Additional Chief Engineer
 WRD Division
 WAPCOS Limited
 Tele-Fax: +91-124-2399427 / 431
 Email : wrd@wapcos.co.in

We hereby accept and agree to abide with above terms and conditions.



J. Anand
 29/11/18.
 (Authorized Representative of M/s NKI Consortium)
 CSANVIRE (e-SHARAN)

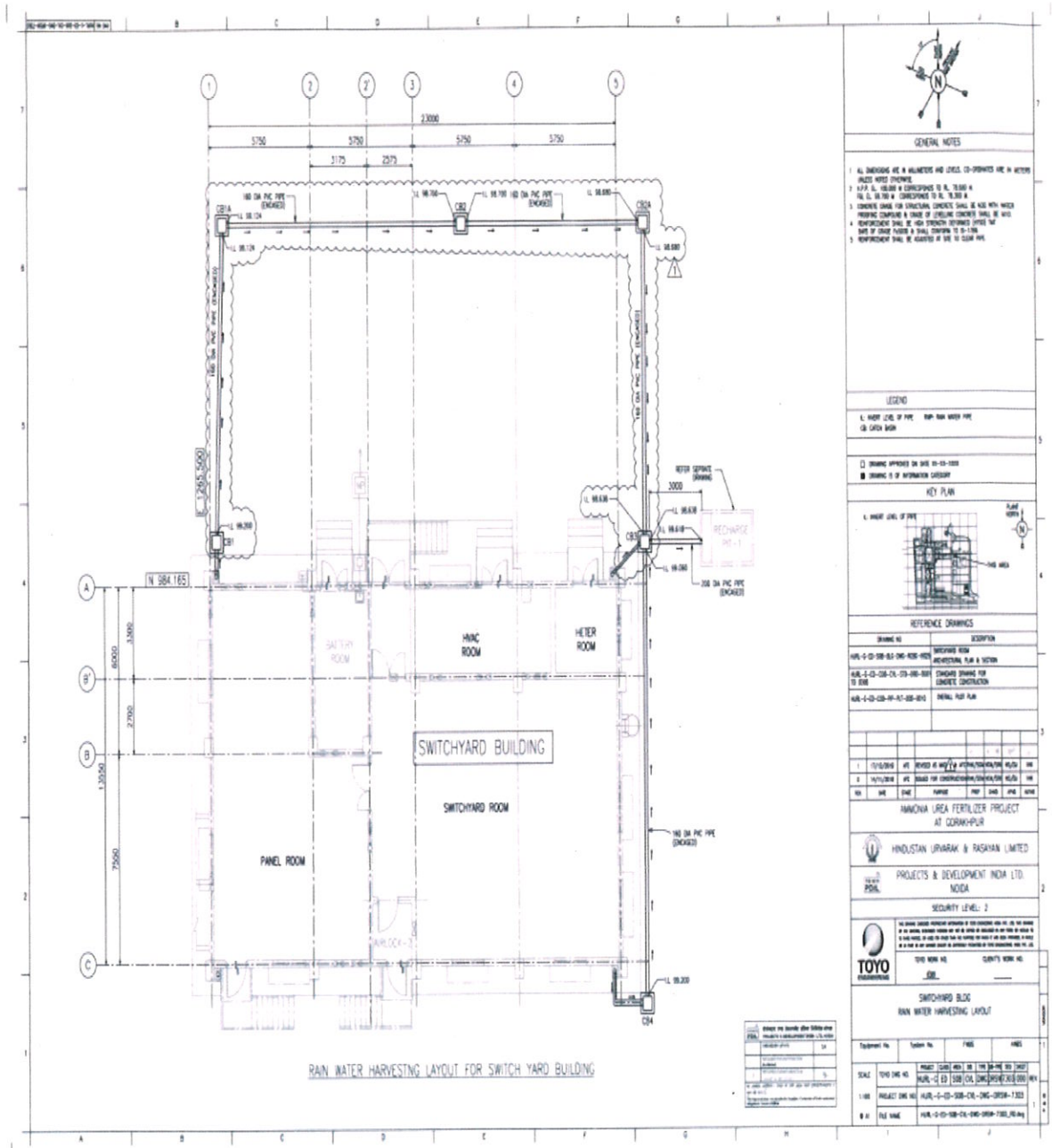
Page II of 11


Adarsh

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)
 हिंदुस्तान उर्वरक एवं रसायन लिमिटेड, गोरखपुर
 HURL, Gorakhpur

Annexure 7: Rainwater harvesting systems





GENERAL NOTES

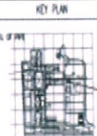
1. ALL DIMENSIONS ARE IN MILLIMETERS AND LEVELS TO-GRANDES ARE IN METERS UNLESS NOTED OTHERWISE.
2. ALL L.L. TO BE IN ACCORDANCE TO R.L. TO BE SHOWN.
3. ALL S.L. TO BE IN ACCORDANCE TO R.L. TO BE SHOWN.
4. CONCRETE GRADE FOR STRUCTURAL CONCRETE SHALL BE AS PER SPEC. WITH MINIMUM COVER TO REINFORCEMENT AS PER SPEC. CONCRETE SHALL BE WITH ENHANCEMENT SHALL BE AS PER SPEC. REINFORCEMENT SHALL BE AS PER SPEC. REINFORCEMENT SHALL BE AS PER SPEC. REINFORCEMENT SHALL BE AS PER SPEC.

LEGEND

L. HIGHEST LEVEL OF PIPE TOP FOR WATER PIPE
L. GATE VALVE

□ DIMENSIONS APPROVED ON DATE 01-03-2022
■ DIMENSIONS TO BE INFORMATION ONLY

KEY PLAN



REFERENCE DRAWINGS

DRAWING NO.	DESCRIPTION
HR-0-03-001-01-000-000-000	STRUCTURAL PLAN
HR-0-03-001-02-000-000-000	MECHANICAL PLAN & SYSTEM
HR-0-03-001-03-000-000-000	MECHANICAL DRAWING FOR CONCRETE CONSTRUCTION
HR-0-03-001-04-000-000-000	MECHANICAL PLAN

NO.	REV.	DATE	BY	CHKD.	APP.	DESCRIPTION
1	1	15/03/2022	AK	AK	AK	ISSUED FOR CONSTRUCTION
2	1	15/03/2022	AK	AK	AK	ISSUED FOR CONSTRUCTION

MANOJ LARA FERTILIZER PROJECT AT CORAKH-PUR

HINDUSTAN URVARAK & RASAYAN LIMITED

PROJECTS & DEVELOPMENT INDIA LTD. NOIDA

SECURITY LEVEL: 2

TOYO

SWITCHYARD BLDG RAIN WATER HARVESTING LAYOUT

Equipment No.	System No.	TYPE	AMOUNT
SCALE: 1/100	PROJECT: CORAKH-PUR	DATE: 15/03/2022	BY: AK
1:100	PROJECT: CORAKH-PUR	DATE: 15/03/2022	BY: AK
2:100	PROJECT: CORAKH-PUR	DATE: 15/03/2022	BY: AK

AK

Annexure 8: Safety training Photo graphs



Abhinav

Annexure 9: Environmental Statement For the period October 2021 to March, 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: 30-11-2021.
Statement submitted

PART - B

Water and Raw Materials Consumption

1. Water consumption m³/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

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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

A. P. Singh

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 NH₃ 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:

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- 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.

Adarsh

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

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

AB

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

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

Annexure- I


DAY	No. of Obs	PARAMETERS														
		PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	SO ₂ (µg/m ³)	NO _x (µg/m ³)	CO (mg/m ³)	NH ₃ (µg/m ³)	NMHC (ppm)	MHC (ppm)	VOC (mg/m ³)	Ozone (µg/m ³)	Ni (ng/m ³)	As (ng/m ³)	Lead (µg/m ³)	C ₁ H ₄ (µg/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		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	102	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
98 th 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 (µg/m³) = BDL, NH₃ (µg/m³) = BDL,

BDL = Below Detection Limit

C₁H₄ & Benzo (a) Pyrene = <0.01 µg/m³

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



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