

इंडियन फारमर्स फर्टिलाइजर कोआपरेटिव लिमिटेड INDIAN FARMERS FERTILISER CO-OPERATIVE LTD.

Ref: TE/02/249 (CEP/LNG)

Date: 28.10.2023

To,

The Regional Office (Central Region)
Ministry of Environment & Forests
Govt. of India,
Kendriya Bhawan, 5th Floor,
Sector "H" Aliganj,
Lucknow-226024

Sub: Capacity Enhancement /de-bottlenecking and LNG Conversion Project of IFFCO Phulpur, Allahabad.

Ref.: (i) Your letter No. IV/ENV/UP/IND-83/204/2006/385 dt. 27.08.2008

(ii) Ministry of Environment and Forests, New Delhi Office Memorandum No. J-11011/150/2006-IA II (I) dated 14th July, 2006.

Sir,

This has reference to your above letter regarding submission of half yearly compliance report on the implementation of Environmental Condition for Capacity Enhancement / de-bottlenecking and LNG Conversion Project of IFFCO Phulpur Plant. In this context, kindly find attached herewith the said compliance report for the period April -2023 to September- 2023.

Hope the above information regarding compliance of environmental condition would suffice.

Thanking you,

Your's faithfully For Indian Farmers Fertiliser Cooperative Ltd.

(Sanjay Kudesia) Sr. Executive Director

may Cua

Encl: as above

cc: 01. Regional Officer, U.P.Pollution control Board, Sector- 10 Yojna No.-3 Avas Vikas Parishad Colony Jhunsi, Prayagraj – 211019 02. Member Secretary, U.P.Pollution control Board, "TC-12/V" Vibhuti Khand, Gomti Nagar, Lucknow-226010

03. Member Secretary,
Central Pollution Control Board,
Parivesh Bhawan, East Arjun Nagar,
New Delhi-110032

P.O. Ghiyanagar, Prayagraj-212404 (U.P.) Phone : (05332) 253374,251243

पोस्ट : घियानगर, प्रयागराज-212404 (उ०प्र०) फोन : (०५३३२) २५३३७४, २५१२४३

iso 50001 Energy Management

तार / Gram : इफको घियानगर, IFFCO Ghiyanagar, फैक्स / Fax : General - (05332) 251252, Maintenance (05332) 251263 ईमेल / E-Mail : phulpur@iffco.in वेबसाइट / Website : www.iffco.in

Environmental Clearance Condition Wise Compliance Status

Project Code: UP-83-204-2006

Name of the Project: Capacity Enhancement/debottlenecking and LNG conversion project of M/s IFFCO Phulpur, Allahabad

Clearance Letter No.: J-11011/150/2006-IA. II(I) Dated 14.07.2006.

Period of Compliance Report: (April - 2023 to September -2023)

Specific Conditions:

Sr.No.	Conditions		0	Compliance Status	e Status		
_:	The gaseous emissions (SO ₂ , NO _x , NH ₃ , Urea dust) particulate	The gaseous emission from Stacks / Chimney of IFFCO, Phulpur unit always conforms to the prescribed standards laid down by the UPPCB, Lucknow and	ion from St scribed sta	acks / Ch	imney of IFFC id down by the	O, Phulpur un UPPCB, Lud	iit always know and
	matter from various process units shall conform to the standards	CPCB / MoEF&CC, New Delhi.	New Delhi		ومح انسم م قر انجاز	200	2000
	prescribed by the concerned	Stack Alianysis (Nalige) obtained dufing the period of April -2023 to September-2023.	brailled uni	ing tille per	iod of April -202	edinaldae of c	-2023.
	authorities from time to time. CO ₂	Sample Point	SO ₂	SPM	AMMONIA	UREA DUST	Ň
	recovery plant shall be installed		(mg/Nm ³)	(mg/Nm ³)	(mg/Nm ³))	(mg/Nm³)	(mg/Nm ³)
	to reduce CO emissions in the	Power Plant-I stack	335-302	91-27	1	1	220-200
	to leaded CO2 elillosionis III tile	Power Plant-II stack		t	1	17	ı
	environment. At no time, the	Prilling Tower -I			38.90 - 33.50	42.60-40.20	
	emission levels shall go beyond	Prilling Tower -II	1	ť	38.90 - 36.60	43.10-40.20	1
	the stipulated standards, In the	Pri. Reformer - I stack	<1.0	ı	1	1	139-122
	event of failure of pollution	Pri.Reformer -II stack	<1.0	ı	1		136-120
	control systems(s) adopted by	GT-HRSG	<1.0	1	1	ı	24 -19
	the unit, the respective unit shall	7 150 MT	4		4		4
	not be restarted until the control	A 450 MI pel day Calboli Dioxide Recovery Plant to Tecover CO2 Horn lide	מום ווספוף	Alde Rec	overy riain to	iecover co	2 110111
	measures are rectified to achieve	gases of primary reformer has been installed, commissioned and in operation	rmer has	been inst	alled, commis	sioned and ir	ι operati
	the desired efficiency.	since Dec. 2006. This has resulted in a substantial reduction of CO ₂ emission in	has result	ed in a su	ubstantial redu	iction of CO ₂ 6	emission
		the environment. Report of Stacks emission and Ambient Air quality analysis by	ort of Stac	ks emissi	on and Ambier	nt Air quality	analysis
		NABL accredited, (third party) is attached as Annexure-1.	d party) is	attached	as Annexure-	1.	YE.
7	In urea plant, particulate	Monitoring of the pilling tower is being carried out as per CPCB guidelines. The	g tower is	being ca	rried out as pe	er CPCB guide	elines. T
	emissions shall not exceed 50	particulate emission from Urea plant (43.10-40.20 mg/ Nm³) is always well within	om Urea p	lant (43.1	0-40.20 mg/ N	lm3) is always	well with
	ma/m3 Monitoring of the prilling	the prescribed norms. Online Methane analyzers are installed in Ammonia plant	Online Me	ofhane an	alyzers are inc	ctalled in Amn	ela einoa

to monitor Hydrocarbons in addition to Gas Chromatographs installed in

Laboratory.

CPCB guidelines. Hydrocarbon

monitors shall be installed.

mg/m3. Monitoring of the prilling tower shall be carried out as per

the prescribed norms. Online Methane analyzers are installed in Ammonia plant

quality the are the data monitoring stations shall downwind direction as eve Regional Lucknow six and UPPCB well as where maximum along statistical analysis. concentration consultation anticipated Office at submitted Ministry's quarterly UPPCB, Ambient monthly ground

Five ambient air quality monitoring stations have been set up in consultation with UPPCB at locations suggested by Regional Officer, UPPCB, Allahabad. Ambient air quality monitoring data is submitted monthly to UPPCB, Lucknow, CPCB, New Delhi & Regional Office, MoEF&CC, Lucknow. All values are within the limit.

3

Ambient Air Quality (Range) obtained during the period of April -2023 to September-2023.

AAQ Monitoring Stations	PM 2.5 (microgram/m³)	PM 10 (microgram/m³)	$SO_2 \\ (microgram/m^3)$	Ammonia (microgram/m³)	NOx (microgram/m³)
CORDET	38-29	59-48	20-10	39-28	24-14
Central School	38-29	59-47	20-10	38-28	25-15
Railway Gate	39-28	59-49	20-10	38-28	25-12
Behind R.O.	39-29	59-48	19-10	38-28	25-16
Gate No.4	39-28	59-47	20-10	38-28	26-16

Total water requirement after expansion shall not exceed 35,500 m3/d. All the effluent generated shall be recycled & reused in the process to reduce the fresh water.

Total water consumption after commissioning of the Capacity Enhancement Project is around 31911 M³/d during April 2023 to September 2023, as against the envisaged quantity of 35500 M3/d. All the effluent generated is recycled & reused in the plant process / irrigation of farmland of our Farmer Training Institute and Green belt after adequate treatment within our premises.

the E(P) Act 1986 and norms laid down by U.P. Pollution Control Board Lucknow. Report of No effluent is discharged outside the premises except during the rainy season. The quality Effluent water generated and recycled/ reused, and ground water quality being abstracted, of final treated effluent is always conforms the standards prescribed under

by NABL accredited, (third party) is attached as Annexure-2.

evelopment.	values are in mg/l except pH)	values are in mg/l except pH)				
effluent shall be	Characteristics		Characteristics		Characteristics	
discharged outside the premises except during	Hd	7.50 -7.10	Total Chromium as Cr,	F.	Free Ammonia As N	0.93 - 0.36
y season	TSS	58-33	Hexavalent	N.T.	Total Kjeldahl	40.74-20.38
meeting the norms prescribed under the E	BOD ₃ at 27 deg C	20.00 -15.00	Zinc as Zn	LN	Nitrate Nitrogen as N	3.20-0.78
(P) Act, 1986 and	Oil & Grease	3 - N.T.	COD	61.00-42.00	Dissolved Phosphate	99.0-68.0
UPPCB, whichever are	Colour & Odour	Absent	Chlorides as CI	998 - 802	Vanadium as V	
Regular monitoring of ground water by installing piezometric wells around the quard bond and	and water by ins		We have installed a hand pump near the Chromium sludge disposal bit and Guard Pond area to monitor the ground water quality. Ground	nd pump nea	ir the Chromium sluthe around water a	dge disposa
Chromium sludge disposal site shall be	osal site shall		water monitoring is done on a monthly basis. Ground Water Quality (Range) during April 2023 to September-2023	le on a mont	Jly basis.	pr-2023
Ministry's Regional Office at Lucknow	t Licknow CPC		Analysis Parameters	6	Location (within plant)	n plant)
UPPCB.					Near	Near
					Chromium Sludge	Guard
					Disposal Pit	Pond
		Hd			7.40 - 7.15	7.35 - 6.90
		工	Hexavalent Chromium (ppm as Cr+6)	om as Cr ⁺⁶)	N.T.	L.N.
		F	Total Chromium (ppm as Cr)	Cr)	N.T.	Ľ.
		4	Ammonical Nitrogen (ppm as	as N)	N.T.	⊢. Z
		Z	Nitrate Nitrogen (ppm as N)	(Z	1.62 - 1.02	1.50 - 1.09
			Total Dissolved Solid (ppm)	n)	980 - 930	940 - 900
As per the Fly ash notification, 100% utilization of	ion, 100% utiliza	1000	We have complied with the provision of Fly ash notification issued by	the provision	in of Fly ash notific	ation issued
be provided to different users for making bricks	sers for making		dispatched to the bo	bonafide user like	like cement manufacturers and	ufacturers a
etc. or properly used for filling low lying areas of	lling low lying ar		others. During the last year (April-2022-March-2023), 83170 MT of	t year (April-	-2022-March-2023)	, 83170 MT
the town ship, surrounding	unding villages		Ash has been dispat	ched and ut	dispatched and utilized by Cement Industries and	Industries a
developing green belt.			others against the generation of 40246 MT. Fly Ash is also utilized in manufacturing of bricks in the plant premises, and land reclamation etc. hence, Ash Utilization is more than 100% of Ash generation.	eration of 40 s in the plar ion is more t	246 MT. Fly Ash is it premises, and la han 100% of Ash g	also utilized nd reclamat eneration.
Spent catalysts generated shall be properly stored in closed metallic drums before selling to	shall be properly sto	7-3	During the period from April 2 Ash has been dispatched	April 2023 t	period from April 2023 to September-2023, 45383 MT been dispatched and utilized by others against	45383 MT s against

	authorized recyclers / reprocessors. Waste oil shall be used in steam generation plant as fuel along with coal or sold to authorized recyclers/ reprocessors.	Spent catalysts are stored in closed Metallic drums under shed inside the factory premises for sale to authorized recyclers/ reprocessors for Metal recovery. Waste oil collected is stored inside the factory premises for sale to authorized recyclers / re-processors.
7	The company shall undertake adequate protection measures for handling of ammonia vapours in case of plant upset condition. Safety well exhaust and drains shall be connected to a separate close header from which ammonia vapours shall be vented from vent stack after diluting with stream.	Adequate arrangement has been made for handling of ammonia vapours in case of Plant up set condition. No Ammonia is vented through stacks. Adequate provisions have been made to keep the ammonia vapours in liquidified state by way of refrigeration both at Ammonia Plant and Ammonia storage area. In case all the back up refrigeration system fails, however the possibility of which is zero, one 40m high flare stack has been provided to flare excess ammonia into the atmosphere without any harm.
ωi	The company shall implement all the recommendations made in the Charter on Corporate Responsibility for Environmental Protection (CREP) for fertilizer industries.	We have already implemented the recommendations made in the charter on corporate Responsibility for Environment Protection (CREP) which are applicable to IFFCO Phulpur unit.
o.	The company shall develop rainwater harvesting structures to harvest the runoff water from the roof tops and by laying a separate storm water drainage system for recharge of ground water.	Rainwater harvesting structures to harvest the runoff water from the roof tops have been constructed and schemes implemented at various locations in township i.e. (i) Central School building in township. (ii) Guest House (iii) Residential buildings and open area of Township at three locations. (iv) Near CISF Barrack.
. 10	Green belt already developed in 33% shall be properly maintained and an effort shall be made to further increase the percentage by regularly planting trees at all the vacant spaces to mitigate the effects of fugitive emissions all around the plant. Further development of the green belt shall be as per the Central Pollution Control Board guidelines. Density of trees at the site shall be maintained as 2,000-2, 500 trees/ha.	The green belt already developed is being maintained. During the last six months grass cutting, irrigation & maint. of green belt has been done. Native plant species have been planted in consultation of DFO Allahabad to develop green belt in & around factory, township and CORDET. No. of Trees planted during the occasion of Plantation Drive as per the direction of Govt. of U.P., approx. 35580 saplings have been planted, during April -2023 to September-2023. Area covered as percentage of total area owned by the industry: -34.60%. Density of tree plantation is being maintained as per the quideline.

oi .	Rs.9.00 Crores allocated towards capital cost and recurring expenditure/annum shall be judiciously utilized to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government and a time bound implementation schedule for all the conditions stipulated herein shall be submitted. The funds so provided shall not be diverted for any other purposes.	lotal Ks. 60.59 Crores has already been spent on the installation of CDR Plant and other some environmental protection schemes as against Rs 60.5. Crores allocated towards capital cost in EIA / EMP. Recurring cost was Rs.49.9 Crores for the period, April- 2023 to September-2023 as against Rs.9.00 Crores per annum allocated towards recurring cost in EIA/EMP.
7.	The Regional Office of this Ministry at Lucknow/Central Pollution Control Board/ U.P. Pollution Control Board will monitor the stipulated conditions. A six-monthly compliance status report and the monitored data along with statistical interpretation shall be submitted to monitoring agencies regularly.	Compliance progress report along with monitored data is being submitted to monitoring agencies.
ω	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 U.P.Pollution Control Board/Committee and may also be seen at Website of the Ministry of Environment and Forests at http:/envfor.nic.in. This should 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 Regional Office at Lucknow.	We have submitted the copy of the Environment clearance letter to member Secretary U.P. Pollution Control Board Lucknow and R.O. Regional Office, U.P. Pollution Control Board Prayagraj. An advertisement regarding environmental clearance has already been published in two local newspapers viz. Dainik Jagaran in Hindi (local language) & Hindustan Times in English language.
o.	The Project Authorities shall inform the Regional Office as well as the Ministry of the date of financial closure and final approval of the project by the concerned authorities and the date of commencing the land development work, if any.	This project has been implemented within the existing premises of IFFCO Phulpur unit and no additional land acquisition and development was required. LNG Conversion Project completion date: July 2006 & Capacity Enhancement Project completion date: December 2008.

General Conditions:

		:: (
Sr.No.	Conditions	Compliance Status
.	The project authorities must strictly adhere to the stipulations made by the U.P. Pollution Control Board (UPPCB) and the State Government.	We strictly comply with the stipulations and guidelines made by the U.P. Pollution Control Board, Lucknow, and the state Govt.
7	No further expansion / modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests.	
	The project authorities must strictly comply with the rules and regulations with regard to handling and disposal of hazardous wastes in accordance with the Hazardous Wastes (Management & Handling) Rules, 2003.	We are strictly complying with the rules and regulations regarding handling and disposal of hazardous wastes prescribed under Hazardous Wastes (Management, Handling & Transboundary Movement) Rules, 2008 and their amendments i.e., Hazardous, and other wastes (Management and Transboundary Movement) Rules, 2016. The same will be ensured in future also.
4.	The project proponent shall also comply with all the safeguards recommended in the EIA/EMP Report.	We are complying with the entire safeguard recommended in EIA/ EMP Report. The same will be ensured in future also.
52	The project authorities will set up a separate environmental management cell for effective implementation of all the above stipulations under the control of Senior executive.	Environment & Pollution Control (EPC) cell has already been constituted and functioning at IFFCO Phulpur in control of a senior Executive under Jt. General Manager.



An Approved Laboratory From MoEF - CC & Uttar Pradesh Pollution Control Board (An ISO 14001:2015, ISO 9001-2015 and ISO 45001:2018 Certified Organization) Address: 12, Vishnupuri, Church Road, Aliganj, Lucknow-226024 E-mail: prakriti_md@rediffmail.com Tel: 0522-4002545, Mobile: 09415518818, GSTIN: - 09AAJFP5925G1ZY

Test Report for Stack Monitoring



ULR-TC824123000001669

Report I	No.	Refe	rence No.		Issue Date
PCS/SE/	01/2023	PCS/IFF	CO/03/2023		25/10/2023
Name of Ind	& address lustry	M/s Indian Farmers Fertilizer Coo	perative Limited Phulpur unit, P	rayagraj	
2. Type o	of Industry	Fertilizer Industry	7. Method of Sampling	PCS/WI/SA	MP/20
3. Sampl	e collected by	Mr. Vipin & Mr. Sunil	8. Date of sampling	11/10/2023-	12/10/2023
4. Weath	er Condition	Clear Sky	9. Sample receipt in lab	13/10/2023	
5. Sampl	ing Location	Urea-1	10. Date of Analysis	13/10/2023-	14/10/2023
6. Lab Co	ode	PCS23/102/1488	11. Sample Analyzed By	Mr. Rohit Ya	adav
S. No.				Value	
1	Duct Attached to		Urea-1	(Prilling Tower)	
2	Type of St	tack		Circular	
3	Stack height from Ground (m)		96		
4.	Material of Construction of duct Sampling port height from Ground(m) Type of fuel used		RCC		
5.			96 NA		
6.					
7.	Sampling Duration (min)		72		
8.	Atmosphe	ric Pressure (mmHg)	740		
9.	Atmospheric temperature (°K)		309		
10.	Flue Gas t	emperature (°K)	321		
11.	Flue Gas V	Velocity (m/s)	3.41		
12.	Flue Gas I	Exit Volume (Lit)		1008.0	
		Pollutants	Reference Method	Result	Standard*
		PM (mg/Nm ³)	IS 11255 PART-1:1985	46.4	
		$NH_3(mg/Nm^3)$	IS 11255 PART-6	34.0	

*BDL = Below Detection Limit

Note

The results in the Test Report relate only to the items tested.
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"End of this Test Report"

5. No deviation as per the Standard Method.

Authorized Signatory

Lygher

(Dr. Divya Misra) **Managing Director**



ULR-TC824123000001670

Prakriti Consultants Services

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Tel: 0522- 4002545, Mobile: 09415518818, GSTIN:- 09AAJFP5925G1ZY

Test Report for Stack Monitoring



Report !	Transcription of the Control of the	Refe	rence No.		Issue Date
PCS/SE/	02/2023		FCO/03/2023		25/10/2023
1.Name of Ind	& address ustry	M/s Indian Farmers Fertilizer Coo	perative Limited Phulpur unit, I	Prayagraj	
2. Type of	of Industry	Fertilizer Industry	7. Method of Sampling	PCS/WI/SAI	MP/20
	e collected by	Mr. Vipin & Mr. Sunil	8. Date of sampling	11/10/2023-	
4. Weath	er Condition	Clear Sky	9. Sample receipt in lab	13/10/2023	12012025
Sampl	ing Location	Urea-2	10. Date of Analysis	13/10/2023-	14/10/2023
6. Lab Co	ode	PCS23/102/1489	11. Sample Analyzed By	Mr. Rohit Ya	
S. No.				Value	
1	Duct Attac		Urea-2	(Prilling Tower)	
2	Type of St			Circular	
3		ht from Ground (m)		104	
4.	Material of Construction of duct Sampling port height from Ground(m) Type of fuel used		RCC 104 NA		
5.					
6.					
7.	Sampling Duration (min)		85		
8.	Atmospheric Pressure (mmHg)		740		
9.	Atmospheric temperature (°K)		309		
10.	Flue Gas temperature ("K)		323		
11.	Flue Gas Velocity (m/s)		2.97		
12.		Exit Volume (Lit)	10200		
		Pollutants	Reference Method	Result	Standard*
		PM (mg/Nm ³)	IS 11255 PART-1:1985	38.9	*
NOT 0.1		$NH_3(mg/Nm^3)$	IS 11255 PART-6	32.0	

*BDL= Below Detection Limit

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(Dr. Divya Misra) **Managing Director**

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Test Report for Stack Monitoring

ULR-TC824123000001665



Report		Ref	erence No.		104541
PCS/SE/	/01/2023				Issue Date
of Inc	e & address dustry	M/s Indian Farmers Fertilizer Coo	FFCO/03/2023 operative Limited Phulpur unit, Pr	ayagraj	25/10/2023
 Type of Sample Weath 	of Industry e collected by er Condition ing Location	Fertilizer Industry Mr. Vipin & Mr. Sunil Clear Sky Ammonia-1 Primary reformer PCS23/102/1486	7. Method of Sampling 8. Date of sampling 9. Sample receipt in lab 10. Date of Analysis 11. Sample Analyzed By	PCS/WI/SA 11/10/2023 13/10/2023 13/10/2023	-12/10/2023 -14/10/2023
S. NO.	Duct Attac	h - 1 -	1	Mr. Rohit Y	adav
2	Duct Attached to Type of Stack Stack height from Ground (m)		Ammonio		
			Ammonia-1 Primary reformer Circular		
3					
4	Material of	Construction of duct	33 M.C.		
5	Normal O	perating hour	M.S.		
6	Type of fu	el used	As per requirement LNG		
7	Sampling D	Duration			
8	Atmospher	ic Pressure (mmHg)	30		
	Pollutants		740		
			Reference Method	Result	Standard*
		PM (mg/Nm³)	IS 11255 PART-1:1985	10.4	Standard*
		SO ₂ (mg/Nm3)	IS 11255 PART-2:1985	<1.0	•
		NOx (mg/Nm³)	PCS/SOP/ST/NOx/12:2021	142	-

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5. Verdenic Standard Method.

Authorized Signatory 1-4-4- port

(Dr. Divya Misra) Managing Director

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Tel: 0522- 4002545, Mobile: 09415518818, GSTIN :- 09AAJFP5925G1ZY

Test Report for Stack Monitoring



ULR-TC824123000001666

Report N		Refe	rence No.		Issue Date
PCS/SE/0	02/2023	PCS/IFI	FCO/03/2023		25/10/2023
1.Name & of Indi	k address ustry	M/s Indian Farmers Fertilizer Coo	perative Limited Phulpur unit, Pra	nyagraj	
	f Industry	Fertilizer Industry	7. Method of Sampling	PCS/WI/SAI	MP/20
3. Sample	collected by	Mr. Vipin & Mr. Sunil	8. Date of sampling	11/10/2023-1	12/10/2023
4. Weathe	er Condition	Clear Sky	9. Sample receipt in lab	13/10/2023	
Sampli	ng Location	Ammonia-2 Primary reformer	10. Date of Analysis	13/10/2023-1	14/10/2023
6. Lab Code PCS23/102/1487			11. Sample Analyzed By	Mr. Rohit Ya	
S. No.	Duct Attached to Type of Stack			Value	
1			Ammonia-	2 Primary reform	ier
2			Circular 30		
3					
4	Material o	f Construction of duct	M.S.		
5			As per requirement LNG 30		
6					
7					
8			740		
		Pollutants	Reference Method	Result	Standard*
		$PM (mg/Nm^3)$	IS 11255 PART-1:1985	10.9	
		SO ₂ (mg/Nm3)	IS 11255 PART-2:1985	<1.0	-
		NOx (mg/Nm ³)	PCS/SOP/ST/NOx/12:2021	129	

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5. No deviation as per the Standard Method.

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(Dr. Divya Misra) **Managing Director**

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GSTIN: - 09AAJFP5925G1ZY

Test Report for Stack Monitoring

ULR-TC824123000001667

Report 1		Refe	rence No.		Issue Date	
PCS/SE/		PCS/IFF	CO/03/2023		25/10/2023	
1.Name of Ind	& address lustry	M/s Indian Farmers Fertilizer Coo	perative Limited Phulpur unit, Pra	ayagraj		
2. Type of	of Industry	Fertilizer Industry	7. Method of Sampling	PCS/WI/SAN	MP/20	
3. Sampl	e collected by	Mr. Vipin & Mr. Sunil	8. Date of sampling	11/10/2023-1		
4. Weath	er Condition	Clear Sky	9. Sample receipt in lab	13/10/2023		
Sampl	ing Location	Ammonia-1 (GT-HRSG)	10. Date of Analysis	13/10/2023-1	4/10/2023	
6. Lab Co	ode	PCS23/102/1484	11. Sample Analyzed By	Mr. Rohit Ya		
S. No.				Value		
1.	Duct Attacl	ned to	Ammon	ia-1 (GT-HRSG)		
2.	Type of Stack Stack height from Ground (m) Material of Construction of duct Normal Operating hour Type of fuel used Sampling Duration			Circular		
3.				30		
4.			M.S.			
5.			As per requirement LNG 40			
6.						
7.						
8.	Atmospheric Pressure (mmHg)		740			
9.	Atmospheric temperature (°K)		308			
10.	Flue Gas temperature (°K)		394			
11.	Flue Gas Velocity (m/s)			7.46		
12.		kit Volume (Litre)	1008.0			
		Pollutants	Reference Method	Result	Standard*	
		PM (mg/Nm ³)	IS 11255 PART-1:1985	9.5	-	
		$SO_2(mg/Nm3)$	IS 11255 PART-2:1985	<1.0	<u> </u>	
		NOx (mg/Nm ³)	PCS/SOP/ST/NOx/12:2021	24		

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Authorized Signatory

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(Dr. Divya Misra) **Managing Director**

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Test Report for Stack Monitoring



ULR-TC824123000001668

Report 1	No.	Refe	rence No.		Issue Date	
PCS/SE/	04/2023	PCS/IFF	CO/03/2023		25/10/2023	
of Ind		M/s Indian Farmers Fertilizer Coo	perative Limited Phulpur unit, Pra	ayagraj		
	of Industry	Fertilizer Industry	7. Method of Sampling	PCS/WI/SAI	MP/20	
Sampl	e collected by	Mr. Vipin & Mr. Sunil	8. Date of sampling	11/10/2023-		
	er Condition	Clear Sky	9. Sample receipt in lab	13/10/2023		
Sampl	ing Location	Ammonia-2 (HRU)	10. Date of Analysis	13/10/2023-1	14/10/2023	
6. Lab Co	ode	PCS23/102/1485	11. Sample Analyzed By	Mr. Rohit Ya	adav	
S. No.				Value		
1.	Duct Attac	hed to	Amı	monia-2 (HRU)		
2.	Type of Stack Stack height from Ground (m) Material of Construction of duct Normal Operating hour Type of fuel used Sampling Duration			Circular		
3.				30		
4.			M.S.			
5.			As per requirement LNG 40			
6.						
7.						
8.	Atmospheric Pressure (mmHg)		740			
9.	Atmospheric temperature (°K)		308			
10.	Flue Gas temperature (°K)		388			
11.	Flue Gas Velocity (m/s)					
		xit Volume (Litre)	1035.0			
		Pollutants	Reference Method	Result	Standard*	
		PM (mg/Nm ³)	IS 11255 PART-1:1985	9.6	+	
		SO ₂ (mg/Nm3)	IS 11255 PART-2:1985	<1.0	(*)	
		NOx (mg/Nm ³)	PCS/SOP/ST/NOx/12:2021	59.0	-	

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Tel: 0522-4002545, Mobile: 09415518818, GSTIN: - 09AAJFP5925G1ZY

Stack Emission Data and Analytical Results



ULR-TC824123000001663

Report No.		Refe	Reference No.			
PCS/SE/	01/2023	PCS/IFF	FCO/03/2023		25/10/202	
1. Name of Ind	& address lustry	M/s Indian Farmers Fertilizer Coo	perative Limited Phulpur unit, Pra	yagraj		
2. Type o	of Industry	Fertilizer Industry	7. Method of Sampling	PCS/WI/SAN	MP/20	
3. Sampl	e collected by	Mr. Vipin & Mr. Sunil	8. Date of sampling	11/10/2023-1	2/10/2023	
	er Condition	Clear Sky	9. Sample receipt in lab	13/10/2023		
	ing Location	Boiler No- 1	10. Date of Analysis	13/10/2023-1	4/10/2023	
6. Lab Co	ode	PCS23/102/1490	11. Sample Analyzed By	Mr. Rohit Ya	dav	
S. No.				Value		
1	Duct Attac			Boiler No-1		
2	Type of St			Circular		
3		ht from Ground (m)		100		
4	Type of D		Rectangular			
5	Material o	f Construction of duct		RCC		
6		port height from Ground(m)	12.4			
7	Type of fu		Coal			
8		Duration (min)	55			
9		ric Pressure (mmHg)	740			
10	Atmosphe	ric temperature (°K)		308		
11	Flue Gas t	emperature (°K)	416			
12	Flue Gas V	/elocity (m/s)		13.75		
13	Flue Gas E	Exit Volume (Lit)		1045.0		
		Pollutants	Reference Method	Result	Standard*	
		PM (mg/Nm ³)	IS 11255 PART-1:1985	28.9		
		SO ₂ (mg/Nm3)	IS 11255 PART-2:1985	326.0		
		NOx (mg/Nm ³)	PCS/SOP/ST/NOx/12:2021	235.0		
		Hg(mg/Nm ³)	PCS/SOP/ST/08:2021	*BDL	1: -	

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Tel: 0522- 4002545, Mobile: 09415518818, GSTIN :- 09AAJFP5925G1ZY

Stack Emission Data and Analytical Results



ULR-TC824123000001664

Report 1	No.	Refe	rence No.		Issue Date	
PCS/SE/	/02/2023	PCS/IFF	FFCO/03/2023			
1.Name of Inc	& address lustry	M/s Indian Farmers Fertilizer Coo	perative Limited Phulpur unit, Prayagraj			
2. Type	of Industry	Fertilizer Industry	7. Method of Sampling	PCS/WI/SAN	MP/20	
Sampl	le collected by	Mr. Vipin & Mr. Sunil	8. Date of sampling	11/10/2023-1	2/10/2023	
	ner Condition	Clear Sky	9. Sample receipt in lab	13/10/2023		
Sampl	ling Location	Boiler No- 3	10. Date of Analysis	13/10/2023-1	4/10/2023	
6. Lab C	ode	PCS23/102/1491	11. Sample Analyzed By	Mr. Rohit Ya	idav	
S. No.				Value		
1	Duct Attac	ched to		Boiler No-3		
2	Type of St			Circular		
3	Stack heig	ht from Ground (m)	100			
4	Type of D		R	Rectangular		
5	Material o	f Construction of duct		RCC		
6	Sampling	port height from Ground(m)		12.4		
7	Type of fu	el used	Coal			
8	Sampling	Duration (min)	60			
9	Atmosphe	ric Pressure (mmHg)	740			
10	Atmospher	ric temperature ("K)		308		
11	Flue Gas to	emperature (°K)				
12	Flue Gas V	/elocity (m/s)		11.8		
13	Flue Gas E	Exit Volume (Lit)		1080.0		
		Pollutants	Reference Method	Result	Standard*	
		PM (mg/Nm ³)	IS 11255 PART-1:1985	91.0	(2)	
		SO ₂ (mg/Nm3)	IS 11255 PART-2:1985	332	21	
		NOx (mg/Nm ³)	PCS/SOP/ST/NOx/12:2021	221	-	
		Hg(mg/Nm ³)	PCS/SOP/ST/08:2021	*BDL	(4)	

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Test Report for Ambient Air Quality

ULR-TC824123000001657



						11 -824)
Report No.				Reference No.		Issue Date
PCS/AAQ/01/2023 PCS/IFFCO/03/2023					25/10/2023	
1. Na	me & Address of	M/s Inc	lian Farmers	Fertilizer Cooperative L	imited Phu	lpur unit,
Indus	stry:	Prayagr	aj			
2.Typ	be of Industry:	Fertilizer	industry	7.Method of Sampling:	PCS/WI/S/	AMP/20
3.San	npling Location:	Near Ra	ilway Gate	8.Date of Monitoring:	11/10/2023	3-12/10/2023
4. Mo	onitoring done by:	Mr. Vipin,& Mr.Sunil		9. Sample Receipt in Lab:	13/10/2023	
		Clear Sky		10.Date of Analysis:	13/10/2023 - 14/10/2023	
6.Lab	Code:	PCS23/1	CS23/102/1479 11.Sample Analyzed By:	11.Sample Analyzed By:	Mr. Rohit Yadav	
SI.	Parameters		Unit	Method of	Result	Standards*
No.				Measurement		
1	Particulate Matter	r (PM 10)	$(\mu g/m^3)$	IS: 5182 Part (23)	57.0	100
2	Particulate Matter	r (PM 2.5)	$(\mu g/m^3)$	IS 5182 (Part-24)	36.0	60
3 Sulphur Dioxide (SO ₂)		$(\mu g/m^3)$	IS: 5182 (Part-2)	13.8	80	
4 Nitrogen Dioxide (NO ₂)		$(\mu g/m^3)$	IS: 5182 (Part 6)	26.5	80	
5	Ammonia(NH ₃)		$(\mu g/m^3)$	IS: 5182 (Part-25)	31.0	400

*NAAQS CPCB Notification, dated 18.11.2009

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I CSL I	renorr	101	Ambient	All	Juanty

Report	No.	R	eference No.		Issue Date
PCS/A	AQ/01/2023	PCS/	IFFCO/03/2023		25/10/2023
1. Nam Industr	e & Address of y:	M/s Indian Farmer Prayagraj	s Fertilizer Cooperative	Limited Ph	ulpur unit,
2.Type	of Industry:	Fertilizer industry	7.Method of Sampling:	PCS/WI/S	SAMP/20
3.Sampl	ing Location:	Near Railway Gate	8.Date of Monitoring:	11/10/202	23-12/10/2023
	toring done by:	Mr. Vipin,& Mr.Sunil	9. Sample Receipt in Lab:	13/10/202	23
5. Weat	her Condition:	Clear Sky	10.Date of Analysis:	13/10/202	23 - 14/10/2023
6.Lab C	ode:	PCS23/102/1479	11.Sample Analyzed By:	Mr. Rohi	t Yadav
Sl. No.	Parameters	Unit	Reference Method	Result	Standards*
1	Urea	$(\mu g/m^3)$	Micro Kjeldahl Method	25.0	-
2 HC		$(\mu g/m^3)$	GC FID	ND*	-

*NAAQS CPCB Notification, dated 18.11.2009

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GSTIN: - 09AAJFP5925G1ZY

Test Report for Ambient Air Quality

ULR-TC824123000001658



Report No.				Reference No.		Issue Date
PCS/	/AAQ/02/2023		PC	CS/IFFCO/03/2023		25/10/2023
1. Na	ame & Address of	M/s Inc	dian Farmers	s Fertilizer Cooperative I	imited Phu	lpur unit,
Indus	stry:	Prayagr	raj			•
2.Typ	oe of Industry:	Fertilizer	industry	7.Method of Sampling:	PCS/WI/S	AMP/20
3.San	npling Location:	Behind I	R.O Plant	8.Date of Monitoring:	11/10/2023	3-12/10/2023
4. Mo	onitoring done by:	Mr. Vipin,& Mr.Sunil		9.Sample Receipt in Lab:	13/10/2023	
5. Weather Condition:		Clear Sky		10.Date of Analysis:	13/10/2023 - 14/10/2023	
6.Lab	Code:	PCS23/102/1480		11.Sample Analyzed By:	Mr. Rohit Yadav	
SI.	Parameters		Unit	Method of	Result	Standards*
No.				Measurement		
1	Particulate Matter	(PM 10)	$(\mu g/m^3)$	IS: 5182 Part (23)	59.0	100
2	Particulate Matter	(PM _{2.5})	$(\mu g/m^3)$	IS 5182 (Part-24)	38.0	60
3 Sulphur Dioxide (SO ₂)		$(\mu g/m^3)$	IS: 5182 (Part-2)	14.7	80	
4 Nitrogen Dioxide (NO ₂)		$(\mu g/m^3)$	IS: 5182 (Part 6)	22.3	80	
5	Ammonia(NH ₃)		$(\mu g/m^3)$	IS: 5182 (Part-25)	29.0	400

*NAAQS CPCB Notification, dated 18.11.2009

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5. No deviation as per the Standard Method.

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"End of this Test Report"



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ND*

Report No. PCS/AAQ/02/2023 PCS/IFFCO/03/2023 1. Name & Address of Industry: Prayagraj 2. Type of Industry: Fertilizer industry 7. Method of Sampling: PCS/W	
Industry: Prayagraj	Issue Date 25/10/2023
2 Type of Industry: Fertilizer industry 7 Method of Sampling: PCS/W	hulpur unit,
3. Sampling Location: 4. Monitoring done by: 5. Weather Condition: Behind R.O Plant Mr. Vipin,& Mr. Sunil Clear Sky 8. Date of Monitoring: 9. Sample Receipt in Lab: 11/10/2 13/10/2 13/10/2	I/SAMP/20 023-12/10/2023 023 023 - 14/10/2023 nit Yadav
Sl. No. Parameters Unit Reference Method Result 1 Urea (µg/m³) Micro Kieldahl Method 25.6	Standards*

HC *NAAQS CPCB Notification, dated 18.11.2009

2

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 $(\mu g/m^3)$

3. The report shall not be used for any other purpose than declared by the Sponsor

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GC FID

5. No deviation as per the Standard Method.

Authorized Signatory

(Dr. Divya Misra) **Managing Director**

"End of this Test Report"



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Test Report for Ambient Air Quality

ULR-TC824123000001659



Report No.				Reference No.		Issue Date
PCS/AAQ/03/2023			PC	CS/IFFCO/03/2023		25/10/2023
	me & Address of	M/s Ind	lian Farmers	s Fertilizer Cooperative L	imited Phul	lpur unit,
Indus	stry:	Prayagr	aj			
2.Typ	e of Industry:	Fertilizer	industry	7.Method of Sampling:	PCS/WI/S/	AMP/20
3.Sam	pling Location:	Near CO	RDET	8.Date of Monitoring:	11/10/2023	-12/10/2023
4. Mo	nitoring done by:	Mr. Vipin,& Mr.Sunil		9. Sample Receipt in Lab:	13/10/2023	
5. We	eather Condition:	Clear Sky	lear Sky 10.Date of Analysis:		13/10/2023 - 14/10/2023	
6.Lab	Code:	PCS23/1	02/1481	11.Sample Analyzed By:	Mr. Rohit Yadav	
SI.	Parameters	•	Unit	Method of	Result	Standards*
No.				Measurement		
1	Particulate Matter	(PM 10)	$(\mu g/m^3)$	IS: 5182 Part (23)	58.0	100
2	Particulate Matter	(PM 2.5)	$(\mu g/m^3)$	IS 5182 (Part-24)	37.0	60
3 Sulphur Dioxide (SO ₂)		$(\mu g/m^3)$	IS: 5182 (Part-2)	10.3	80	
4	Nitrogen Dioxide	(NO ₂)	$(\mu g/m^3)$	IS: 5182 (Part 6)	18.5	80
5	Ammonia(NH ₃)		$(\mu g/m^3)$	IS: 5182 (Part-25)	32.0	400

*NAAQS CPCB Notification, dated 18.11.2009

Note:

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5. No deviation as per the Standard Method.

Authorized Signatory

(Dr. Divya Misra) Managing Director

"End of this Test Report"



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Tel: 0522- 4002545, Mobile: 09415518818,

GSTIN: - 09AAJFP5925G1ZY

		Test Report for	r Ambient Air Qualit	y	
Report PCS/A	No. AQ/03/2023		eference No. /IFFCO/03/2023		Issue Date 25/10/2023
	e & Address of	M/s Indian Farmer Prayagraj	rs Fertilizer Cooperative	Limited Ph	ulpur unit,
3.Sampl	of Industry: ing Location: toring done by:	Fertilizer industry Near CORDET Mr. Vipin,& Mr.Sunil	7.Method of Sampling: 8.Date of Monitoring: 9.Sample Receipt in Lab:		SAMP/20 23-12/10/2023 23
5. Weather Condition: 6.Lab Code:		Clear Sky PCS23/102/1481	10.Date of Analysis: 11.Sample Analyzed By:	13/10/202 Mr. Rohit	23 – 14/10/2023 t Yadav
Sl. No.	Parameters	Unit	Reference Method	Result	Standards*
1	Urea	$(\mu g/m^3)$	Micro Kjeldahl Method	23.0	-
2	HC	$(\mu g/m^3)$	GC FID	ND*	-

*NAAQS CPCB Notification, dated 18.11.2009

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5. No deviation as per the Standard Method.

Authorized Signatory

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"End of this Test Report"



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Test Report for Ambient Air Quality

ULR-TC824123000001660



						111441
Report No.				Reference No.		Issue Date
PCS/	'AAQ/04/2023		PC	CS/IFFCO/03/2023		25/10/2023
1. Na	ime & Address of	M/s Inc	dian Farmers	s Fertilizer Cooperative I	imited Phu	lpur unit,
Indus	stry:	Prayagi	aj	1		•
2.Typ	e of Industry:	Fertilizer	industry	7.Method of Sampling:	PCS/WI/S	AMP/20
3.San	npling Location:	Gate No	. 4	8.Date of Monitoring:	11/10/2023	3-12/10/2023
	onitoring done by:	Mr. Vipin,& Mr.Sunil		9. Sample Receipt in Lab:	13/10/2023	
5. Weather Condition : Cl		Clear Sk	y	10.Date of Analysis:	13/10/2023	3 - 14/10/2023
6.Lab	Code:	PCS23/102/1482		11.Sample Analyzed By:	Mr. Rohit Yadav	
Sl.	Parameters		Unit	Method of	Result	Standards*
No.				Measurement		
1	Particulate Matter	(PM 10)	$(\mu g/m^3)$	IS: 5182 Part (23)	54.0	100
2	Particulate Matter	(PM _{2.5})	$(\mu g/m^3)$	IS 5182 (Part-24)	34.0	60
3 Sulphur Dioxide (SO ₂)		$(\mu g/m^3)$	IS: 5182 (Part-2)	15.4	80	
4	Nitrogen Dioxide	(NO_2)	(µg/ m³)	IS: 5182 (Part 6)	27.6	80
5	Ammonia(NH ₃)		$(\mu g/m^3)$	IS: 5182 (Part-25)	34.0	400

*NAAQS CPCB Notification, dated 18.11.2009

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5. No deviation as per the Standard Method.

Authorized Signatory

(Dr. Divya Misra) **Managing Director**

"End of this Test Report"



(An ISO 14001:2015, ISO 9001-2015 and ISO 45001:2018 Certified Organization)
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		Test Report fo	or Ambient Air Quality	y		
Report	No.]	Reference No.		Issue Date	
PCS/A	AQ/04/2023	PC	S/IFFCO/03/2023		25/10/2023	
1. Nam Industr	e & Address of y:	M/s Indian Farmo Prayagraj	ers Fertilizer Cooperative	Limited Ph	ulpur unit,	
	of Industry:	Fertilizer industry	7.Method of Sampling:	PCS/WI/S	SAMP/20	
	ing Location:	Gate No. 4	8.Date of Monitoring:	11/10/202	23-12/10/2023	
4. Moni	toring done by:	Mr. Vipin,& Mr.Sun	il 9.Sample Receipt in Lab:	13/10/202	23	
5. Weath	her Condition:	Clear Sky	10.Date of Analysis:	13/10/202	13/10/2023 - 14/10/2023	
6.Lab Code:		PCS23/102/1482	11.Sample Analyzed By:	Mr. Rohit Yadav		
Sl. No.	Parameters	Unit	Reference Method	Result	Standards*	
1	Urea	$(\mu g/m^3)$	Micro Kjeldahl Method	24.0	-	
2	HC	$(\mu g/m^3)$	GC FID	ND*	-	

*NAAQS CPCB Notification, dated 18.11.2009

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Authorized Signatory

(Dr. Divya Misra) Managing Director

"End of this Test Report"



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GSTIN: 09AAJFP5925G1ZY

Test Report for Ambient Air Quality

ULR-TC824123000001661



Report No.					Issue Date	
PCS/	/AAQ/05/2023	ag-	PC	S/IFFCO/03/2023		25/10/2023
1. Name & Address of M/s Inc			lian Farmers	Fertilizer Cooperative L	imited Phu	lpur unit,
Industry: Prayag						•
2.Typ	oe of Industry:	Fertilizer	industry	7.Method of Sampling:	PCS/WI/SA	AMP/20
3.San	npling Location:	Kendriy	a Vidyalaya	8.Date of Monitoring:	11/10/2023	-12/10/2023
4. Monitoring done by: Mr.		Mr. Vipi	n,& Mr.Sunil	9.Sample Receipt in Lab:	13/10/2023	
5. Weather Condition : Cle		Clear Sky	y	10.Date of Analysis:	13/10/2023 - 14/10/2023	
6.Lab	Code:	PCS23/1	02/1483	11.Sample Analyzed By:	Mr. Rohit Yadav	
SI.	Parameters	Unit		Method of	Result	Standards*
No.				Measurement		
1	Particulate Matter	(PM ₁₀)	$(\mu g/m^3)$	IS: 5182 Part (23)	55.0	100
2	2 Particulate Matter (PM 2.5)		(μg/ m ³)	IS 5182 (Part-24)	35.0	60
3 Sulphur Dioxide (SO ₂)		$(\mu g/m^3)$	IS: 5182 (Part-2)	21.7	80	
4	4 Nitrogen Dioxide (NO ₂)		$(\mu g/m^3)$	IS: 5182 (Part 6)	24.9 80	
5	Ammonia(NH ₃)		$(\mu g/m^3)$	IS: 5182 (Part-25)	35.0	400

*NAAQS CPCB Notification, dated 18.11.2009

Note:

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5. No deviation as per the Standard Method.

Authorized Signatory

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GSTIN: - 09AAJFP5925G1ZY

Test Report for Noise Monitoring

ULR-TC824123000001662



Report	No.	R	eference No.	Issue Date		
	0/01/2023		/IFFCO/03/2023	25/10/2023		
	of Industry	Table College		ed Phulpur unit, Prayagraj		
2.Type o	f Industry	Fertilizer Industry	7.Method of Sampling	PCS/WI/SAMP/20		
3.Sampli	ng Location	S. No. 1-13	8.Date of Monitoring	11/10/2023-12/10/2023		
	oring done by	Mr. Vipin & Mr. Sunil	9.Sample Receipt in Lab	13/10/2023		
5. Weath	er Condition	Clear Sky	10.Date of Analysis	_		
6.Lab Co	de	PCS23/102/1492-1504	11.Sample Analyzed By	Mr. Vipin		
	Reference M	ethod: IS-9989, 1981	3.00			
S. No.	Location		N	Noise dB(A)		
1	Urea-1 Contro	l Room		55.2		
2	Ammonia-1 Co	ontrol Room		57.6		
3	I.G. (Plant-)1	Control Room		59.2		
4		r Control Room		63.8		
5	41 Compressor	r Control Room		64.0		
6	A	ontrol Room of Ammonia II		61.2		
7		or (K.T.I-2) Control Room		65.7		
8	Power Plant (Control Room		60.5		
9	Time Office			56.8		
10	Railway Gate			53.2		
11	Ammonia Stor			56.8		
12	Behind R.O Pl	ant		53.7		
13 Guard Pond				57.6		
	rd (Noise)			7.5		
Industrial area			75			
	rcial area			65		
	tial area			55		
Silence	Zone			50		

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GSTIN: - 09AAJFP5925G1ZY

		Test Report for	Ambient Air Quality	/		
Report			eference No.		Issue Date	
PCS/A	AQ/05/2023	PCS/	IFFCO/03/2023		25/10/2023	
1. Name & Address of Industry:		M/s Indian Farmers Fertilizer Cooperative Limited Phulpur unit. Prayagraj				
2.Type of Industry: 3.Sampling Location: 4. Monitoring done by: 5. Weather Condition:		Fertilizer industry Kendriya Vidyalaya Mr. Vipin,& Mr.Sunil Clear Sky PCS23/102/1483	7.Method of Sampling: 8.Date of Monitoring: 9.Sample Receipt in Lab: 10.Date of Analysis: 11.Sample Analyzed By:	13/10/202	23-12/10/2023 23 23 - 14/10/2023	
6.Lab C	Parameters	Unit	Reference Method	Result	Standards*	
1	Urea	$(\mu g/m^3)$	Micro Kjeldahl Method	23.0	-	
2	HC	$(\mu g/m^3)$	GC FID	ND*	-	

*NAAQS CPCB Notification, dated 18.11.2009

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Test Report of Effluent Water (Guard Pond Inlet)

ULR-TC824123000001692



Report No. PCS/WWQ/01/2023		Reference No PCS/IFFCO/03/2			Issue Date 25/10/2023	
1.Name & address M/s Indian Farmers Fertilize of Industry:		r Cooperative Li	mited Phulpur Unit, Allaha	bad U.P		
2. Tvi	e of Industry:	Fertilizer	7. M	ethod of Sampling	As per S	Standard Method
	npling Location:	Guard Pond Inlet		te of Sampling:	12/10/20	023
	npling Done by:	Mr Vipin & Mr Sunil		mple Received in Lab:	13/10/20	023
	ather Condition:	Clear Sky		Date of Testing:	14/10/20	023- 20/10/2023
	Code:	PCS23/187/1208		analyzed by:	Ms Alka	a Singh
S. N	Parameters		Unit	Reference Method 23rd F	Edition	Results
1.	pН		-	APHA 4500H+-B		7.10
2.	Temperature		°C	APHA2550 B		30
3.	Color		Hazen	APHA 2120B		10.0
4.	Odour		-	APHA 2150B		Odourless
5.	TDS		mg/l	APHA 2540C		1930
6.	TSS		mg/l	APHA 2540D		38.0
7.	Chloride as Cl		mg/l	APHA4500-CI-B		1037
8.	COD		mg/l	mg/l APHA 5220-C		46.0
9.	BOD (3 Days at 27°		mg/l	IS 3025(Part 44)		23.0
10.	Total Ammonical N		mg/l	APHA 4500 NH ₃ -C		24.8
11.	Total Kjeldahl Nitro	ogen as N	mg/l	APHA 4500 Norg-B		34.18
12.	Free Ammonia as N		mg/l	APHA 4500 NH ₃ -C		0.25
13.	Phosphate as P		mg/l	APHA 4500 P-D		1.12
14.	Nitrate as N		mg/l	APHA4500-NO3-B		2.40
15.	Fluoride as F		mg/I	APHA 4500 F-D		1.08
16.	Total Residual Chlorine		mg/l	APHA 4500 CI-B		<0.1
17.	Oil & Grease		mg/l	APHA 5200 B		<2.0
18.	Zinc as Zn		mg/I	APHA 3111 B		0.072
19.	Total Chromium as	Cr	mg/l	APHA3111-B		< 0.05

Free-NH3-<1.0mg/I BDL= Below Detection Limit

Authorized Signatory

(Dr. Divya Misra) **Managing Director**

"End of the Report"

^{*}Free-NH3-<1.0mg/l BDL*= Below Detection Limit
**Standard as per Schedule VI inserted by Rule 2(d) of the Environment (Protection) Second Amendment Rules, 1993 notified vide G.S.R. 422(E) dated 19 05 1993, published in the GazetteNo 174
dated19.05.1993.

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5. No deviation as per the standard method.



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Test Report of Effluent Water (Guard Pond Outlet)



ULR-TC824123000001693

Report No. PCS/WWQ/02/2023		Refer PCS/IFF	Issue Date 25/10/2023			
1.Name & address M/s Indian Farmers Fertilof Industry:			lizer Coope	rative Limited Phulpur Unit, All	ahabad UP	
2. Tyr	e of Industry:	Fertilizer		7. Method of Sampling	As per Standard	l Method
	npling Location:	Guard Pond Outlet		8.Date of Sampling:	12/10/2023	
	npling Done by:	Mr Vipin & Mr Sunil		9. Sample Received in Lab:	13/10/2023	
	ather Condition :	Clear Sky		10. Date of Testing:	14/10/2023- 20	/10/2023
	Code:	PCS23/187/1209		11. Analyzed by:	Ms Alka Singh	
S. N	Parameters		Unit	Reference Method 23rd Edition		Standard*
1.	pH		-	APHA 4500H+-B	7.00	6.5 -8.5
2.	Temperature		⁰ C	APHA2550 B	30	
3.	Color		Hazen	APHA 2120B	5.0	
4.	Odour		_	APHA 2150B	Odourless	-
5.	TDS		mg/l	APHA 2540C	1890	la.
6.	TSS		mg/l	APHA 2540D	33.0	100
7.	Chloride as Cl		mg/l	APHA4500-Cl-B	965	-
8.	COD		mg/l	APHA 5220-C	45.0	
9.	BOD (3 Days at 27	°C)	mg/l	IS 3025(Part 44)	21.0	5
10.	Total Ammonical N		mg/l	APHA 4500 NH ₃ -C	22.1	50
11.	Total Kjeldahl Nitro		mg/l	APHA 4500 Norg-B	34.46	75
12.	Free Ammonia as N		mg/l	APHA 4500 NH ₃ -C	0.20	2.0
13.	Phosphate as P		mg/l	APHA 4500 P-D	0.69	-
14.	Nitrate as N		mg/l	APHA4500-NO3-B	1.85	10.0
15.	Fluoride as F		mg/l	APHA 4500 F-D	0.97	2.0
16.	Total Residual Chle	orine	mg/l	APHA 4500 CI-B	<0.1	1.0
17.	Oil & Grease		mg/l	APHA 5200 B	<2.0	10
18.	Zinc as Zn		mg/l	APHA 3111 B	0.051	5.0
19.	Total Chromium as	Cr	mg/l	APHA3111-B	< 0.05	2.0

Free-NE3 <1,0mg/l BDL = Below Detection Limit
**Standard as per Schedule VI inserted by Rule 2(d) of the Environment (Protection) Second Amendment Rules, 1993 notified vide G.S.R. 422(E) dated 19.05.1993, published in the GazetteNo.174 dated19.05.1993\

lated 19 05 1993.

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Authorized Signatory

(Dr. Divya Misra) **Managing Director**

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Test Report for R.O Outlet Water

ULR-TC824123000001690



Repor	t No.		Lab	Reference !	No.	Issue Date
PCS/R	O/02/2023		PCS	PCS/IFFCO/03/2023		
1.Nam	e & Address of Industry	M/s India	ın Farmers Fertilizer Coc	perative Lim	ited Phulpur Unit, Al	lahabad.
2.Type	of Industry	Fertilize	*	8. Method	l of Sampling	As per Standard Method
3. Sam	ple Collected by	Mr Vipir	ı & Mr Sunil		sampling:	12/10/2023
4.Samp	oling Location	R.O Ou	tlet Water		le receipt in lab	13/10/2023
5.Weat	her Condition	Clear Sk			of Analysis	14/10/2023 - 20/10/2023
6. Lab Code		PCS23/1	PCS23/187/1206		le Analyzed By	Ms Shivani Chaturvedi
7. Qua	ntity of Sample	2 liter				
SI.	Parameters	Unit	Unit Reference		BIS	S Standard IS 10500: 2012
No.			Method*		Requirement	Permissible limit in the
					(Acceptable limit) absence of alternate source
1.	рН	-	APHA 4500H+ B	7.78	6.5 - 8.5	NR**
2.	Conductivity	μmhos/cm	APHA 2510-B	341	1944	
3.	TDS	mg/l	APHA 2540 C	197.8	500	2000
4.	Hardness as CaCO3	mg/l	APHA 2340 C	35.2	200	600
5.	Chloride as Cl	mg/l	APHA 4500-Cl,B	54.7	250	1000
6.	Total Ammonical Nitrogen	mg/l	APHA 4500 Norg-B	0.34	-	-
7.	Nitrate as NO ₃	mg/l	APHA 4500-NO3,E	4.1	45	NR**

*As per APHA/AWWA; 22nd Ed. (2012) ** NR= No relaxation,

Note: It is recommended that the acceptable limit is to be implemented. Values in excess of those mentioned under 'acceptable' render the water not suitable, but still may be tolerated in the absence of an alternative source but up to the limits indicated under 'permissible' limit in the absence of alternative source above which the sources will have to be rejected.

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5. No deviation as per the Standard Method.

Authorized Signatory

(Dr. Divya Misra) **Managing Director**

"End of this Test Report"



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GSTIN: - 09AAJFP5925G1ZY

Test Report of Waste Water



ULR-TC824123000001691

Report No. PCS/WWQ/01/2023			Reference No. PCS/IFFCO/03/2023	Issue Date 25/10/2023 d Phulpur Unit,	
1.	Name & Address of In	dustry: M/s II Allaha			
2. 3. 4. 5. 6. 7.	Type of Industry Sampling Location Sample Collected by Analyzed by Weather Condition Method of Sampling	Fertilizer STP Outlet Mr Vipin & Mr S Ms. Alka Singh Clear Sky As per Standard M	11. Date of Testing	PCS23/187/1207 12/10/2023 13/10/2023 14/10/2023- 20/10/2023	

S. No.	Parameter	Units	Reference Method	Results	Standard*	
1.	рН	-	APHA 4500H+ - B	8.36	6.5-9.0	
2.	Total Suspended Solids (TSS)	mg/l	APHA 2540-D	14.3	100	
3.	BOD (3days at 27°C)	mg/l	IS:3025 (Part 44) 1993 RA 2009	8.0	30	

*Standard as per sections 6 and 25 of the Environment (Protection) Act, 1986 (29 of 1986), Notified vide G.S.R. 1265 (E) dated 13.10.2017, published in the Gazette No. 843 dated 13.10.2017.

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5. No deviation as per Standard Method.

Authorized Signatory

(Dr. Divya Misra) Managing Director

-----End of this Report-----



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			Test Report	of Waste Water		
	WWQ/01(a)/2023		Referei PCS/IFFC			Issue Date 25/10/2023
1. N	lame & Address of Ir		M/s Indian Farmer Allahabad.UP	s Fertilizer Cooperative Limit	ed Phulpur	Unit,
 Sa Sa Ai W 	Type of Industry ampling Location ample Collected by nalyzed by reather Condition tethod of Sampling	Fertilizer STP Outle Mr Vipin & Ms. Ajay K Clear Sky As per Stand	t & Mr Sunil Lumar	8. Lab Code9. Date of Sampling10. Sample Receipt in Lab11. Date of Testing	PCS23/18 12/10/202 13/10/202 14/10/202	23
S. No.	Parameter		Units	Reference Method	Results	Standard*
1	Feacal coliform		MPN/100	APHA 9221	500	<1000

*Standard as per sections 6 and 25 of the Environment (Protection) Act, 1986 (29 of 1986), Notified vide G.S.R. 1265 (E) dated 13.10.2017, published in the Gazette No.

Note: 1. The results in the Test Report related only to the items tested.

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Test Report for Filter Raw Water

ULR-TC824123000001689



Repor	t No.		Lal	Reference l	No	Issue Date
	RW/01/2023		TANKS OF THE PARTY	S/IFFCO/03/2		25/10/2023
	e & Address of Industry	M/s Indi	an Farmers Fertilizer Co			23/10/2023
2.Type	Type of Industry Fertilizer		8. Method	d of Sampling	As per Standard Method	
	ple Collected by		n & Mr Sunil		f sampling:	12/10/2023
	oling Location		aw Water		le receipt in lab	13/10/2023
	her Condition	Clear Sk			of Analysis	14/10/2023- 20/10/2023
6. Lab			87/1205	12. Samp	le Analyzed By	Ms Shivani Chaturvedi
	ntity of Sample	2 liter				
SI.	Parameters	Unit	Reference	Result	BIS	Standard IS 10500: 2012
No.			Method*		Requirement (Acceptable limit)	Permissible limit in the
1.	pН	=	APHA 4500H+B	7.72	6.5 - 8.5	NR**
2.	Conductivity	μmhos/cm	APHA 2510-B	960		
3.	Turbidity	NTU	APHA 2130 B	0.18	1	5
4.	TDS	mg/l	APHA 2540 C	570	500	2000
5.	Hardness as CaCO ₃	mg/l	APHA 2340 C	326	200	600
6.	Alkalinity as CaCO ₃	mg/l	APHA 2320 B	402	200	600
7.	Chloride as CI	mg/l	APHA 4500-Cl,B	56.0	250	1000
8.	Sulphate as SO ₄	mg/l	APHA 4500-SO ₄ ,E	54.0	200	400
9.	Nitrate as NO ₃	mg/l	APHA 4500-NO3,E	1.84	45	NR**
10.	Calcium as Ca	mg/l	APHA 3500-Ca,B	52.8	75	200
11.	Magnesium as Mg	mg/l	APHA 3500-Mg,B	47.1	30	100
12.	Sodium as Na	mg/l	APHA 3500-Na,B	98.0	4	<u></u>
13.	Potassium as K	mg/l	APHA 3500-K,B	<10.0	-	-
14.	Dissolved Silica as (SiO ₂)	mg/l	APHA 4500-Si-C	30.2	Ψ	-
15.	Colloidal Silica as	mg/l		< 0.1	-	-

^{*}As per APHA/AWWA; 22nd Ed. (2012) ** NR= No relaxation,

(SiO₂)

Note: It is recommended that the acceptable limit is to be implemented. Values in excess of those mentioned under 'acceptable' render the water not suitable, but still may be tolerated in the absence of an alternative source but up to the limits indicated under 'permissible' limit in the absence of alternative source above which the sources will have to be rejected.

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5. No deviation as per the Standard Method.

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(Dr. Divya Misra) **Managing Director**

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"End of this Test Report"



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Test Report for Borewell Water Quality



TH P. TC924122000001671

Repo	ort No.		Lab F	Reference No),	Issue Date
PCS/	BWQ/01/2023		PCS/II	FFCO/03/202	23	25/10/2023
I.	Name & Address of Indus	stry M/s I	ndian Farmers Fertilizer	Cooperative	Limited Phulpur Unit,	Allahabad.
2.	Type of Industry	Ferti			od of Sampling	As per Standard Method
	Sample Collected by	Mr V	ipin & Mr Sunil		of sampling	12/10/2023
4.	Sampling Location	Bore	well-1	10. San	ple receipt in lab	13/10/2023
5.	Weather Condition		·Sky	11. Date	e of Analysis	14/10/2023 - 20/10/2023
10000	Lab Code	PCS2	23/187/1187	12. San	iple Analyzed By	Ms Shivani Chaturvedi
	Quantity of Sample	2 lite	r			
Sl.	Parameters	Unit	Reference	Result	BIS St	tandard IS 10500: 2012
No.			Method*		Requirement	Permissible limit in the
				1	(Acceptable limit)	absence of alternate source
1.	pН	-	APHA 4500H+ B	7.54	6.5 - 8.5	NR**
2.	Conductivity	μmhos/cm	APHA 2510-B	1210		
3.	Turbidity	NTU	APHA 2130 B	0.22	1	5
4.	TDS	mg/l	APHA 2540 C	740.0	500	2000
5.	Hardness as CaCO ₃	mg/l	APHA 2340 C	372.0	200	600
6.	Alkalinity as CaCO ₃	mg/l	APHA 2320 B	445.0	200	600
7.	Chloride as Cl	mg/l	APHA 4500-Cl,B	116.0	250	1000
8.	Sulphate as SO ₄	mg/l	APHA 4500-SO ₄ ,E	92.0	200	400
9.	Nitrate as NO ₃	mg/l	APHA 4500-NO ₃ ,E	2.53	45	NR**
10.	Calcium as Ca	mg/l	APHA 3500-Ca,B	54.0	75	200
11.	Magnesium as Mg	mg/l	APHA 3500-Mg,B	57.6	30	100
12.	Sodium as Na	mg/l	APHA 3500-Na,B	153		
13.	Potassium as K	mg/l	APHA 3500-K,B	<10.0	-	-
14.	Copper as Cu	mg/l	APHA 3111-Cu, B	< 0.05	0.05	1.5
15.	Dissolved Silica(SiO ₂)	mg/l	APHA 4500-Si-C	31.60	-	-

*As per APHA/AWWA; 22nd Ed. (2012) ** NR= No relaxation,

Chromium as Cr

Manganese as Mn

Iron as Fe

Nickel as Ni

Lead as Pb

Zinc as Zn

16.

17

18

19.

20.

Note: It is recommended that the acceptable limit is to be implemented. Values in excess of those mentioned under 'acceptable' render the water not suitable, but still may be tolerated in the absence of an alternative source but up to the limits indicated under 'permissible' limit in the absence of alternative source above which the sources will have to be rejected. Note:

< 0.05

< 0.3

< 0.02

< 0.01

0.048

< 0.02

0.05

0.3

0.02

0.01

5

0.1

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mg/l

mg/l

mg/l

mg/l

mg/l

mg/l

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APHA 3111-Cr, B

APHA 3111-Fe,B

APHA 3111-Ni, B

APHA 3111-Pb,B

APHA 3111-Zn, D

APHA 3111-Mn,B

5. No deviation as per the Standard Method.

Authorized Signatory

NR**

NR**

NR**

NR**

15

0.3

(Dr. Divya Misra) **Managing Director**

"End of this Test Report"



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Test Repor	t for	Borewell	Water	Quality
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Repo	rt No.		Lab Re	Issue Date		
PCS/	BWQ/01(a)/2023		PCS/IFF	25/10/2023		
1. N	Name & Address of Industry	M/s India	n Farmers Fertilizer Co	ooperative l	Limited Phulpur Unit,	Allahabad.
2. 1	ype of Industry	Fertilizer		8. Method of Sampling		As per Standard Method
3. Sample Collected by		Mr Vipin	Mr Vipin & Mr Sunil		of sampling	12/10/2023
4. Sampling Location		Borewell-1		10. Sample receipt in lab		13/10/2023
5. Weather Condition		Clear Sky		11. Date of Analysis		14/10/2023 - 20/10/2023
6. Lab Code			PCS23/187/1187		nple Analyzed By	Ms Shivani Chaturvedi
7. Quantity of Sample		2 liter		years to the same of the same		
Sl.		Unit	Reference	Result	BIS Standard IS 10500: 2012	
No.	The state of the s		Method*		Requirement (Acceptable limit)	Permissible limit in the absence of alternate source
1.	Vanadium as V	mg/l	APHA 3111-V,B	< 0.02	-	-

*As per APHA/AWWA; 22nd Ed. (2012) ** NR= No relaxation,

Note: It is recommended that the acceptable limit is to be implemented. Values in excess of those mentioned under 'acceptable' render the water not suitable, but still may be tolerated in the absence of an alternative source but up to the limits indicated under 'permissible' limit in the absence of alternative source above which the sources will have to be rejected.

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5. No deviation as per the Standard Method.

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(Dr. Divya Misra) **Managing Director**

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GSTIN :- 09AAJFP5925G1ZY

Test Report for Borewell Water Quality



ULR-TC824123000001672

Repo	ort No.		Lab F	Issue Date				
PCS/BWQ/02/2023			PCS/II	25/10/2023				
1.	Name & Address of Industry M/s Indian Farmers Fertilizer (Cooperative Limited Phulpur Unit, Allahabad.			
2. Type of Industry 3. Sample Collected by 4. Sampling Location 5. Weather Condition 6. Lab Code 7. Quantity of Sample			lizer Zipin & Mr Sunil ewell-2 r Sky 23/187/1188	8. Method of Sampling 9. Date of sampling 10. Sample receipt in lab 11. Date of Analysis 12. Sample Analyzed By		As per Standard Method 12/10/2023 13/10/2023 14/10/2023- 20/10/2023 Ms Shivani Chaturvedi		
SI.	Parameters	Unit	Jnit Reference Method*	Result	BIS Standard IS 10500: 2012			
No.					Requirement (Acceptable limit)	Permissible limit in the absence of alternate source		
1.	pH	2	APHA 4500H+ B	7.60	6.5 - 8.5	NR**		
2.	Conductivity	μmhos/cm	APHA 2510-B	1115				
3.	Turbidity	NTU	APHA 2130 B	0.24	1	5		
4.	TDS	mg/l	APHA 2540 C	675	500	2000		
5.	Hardness as CaCO ₃	mg/l	APHA 2340 C	338	200	600		
6.	Alkalinity as CaCO ₃	mg/l	APHA 2320 B	418	200	600		
7.	Chloride as Cl	mg/l	APHA 4500-Cl,B	100	250	1000		
8.	Sulphate as SO ₄	mg/l	APHA 4500-SO ₄ ,E	106	200	400		
9.	Nitrate as NO ₃	mg/l	APHA 4500-NO ₃ ,E	2.4	45	NR**		
10.	Calcium as Ca	mg/l	APHA 3500-Ca,B	49.0	75	200		
11.	Magnesium as Mg	mg/l	APHA 3500-Mg,B	52.4	30	100		
12.	Sodium as Na	mg/l	APHA 3500-Na,B	158		-		
13.	Potassium as K	mg/l	APHA 3500-K,B	<10.0	-	-:		
14.	Copper as Cu	mg/l	APHA 3111-Cu, B	< 0.05	0.05	1.5		
15.	Dissolved Silica(SiO ₂)	mg/l	APHA 4500-Si-C	30.5	Ħ:	-		
16.	Chromium as Cr	mg/l	APHA 3111-Cr, B	< 0.05	0.05	NR**		
17.	Iron as Fe	mg/l	APHA 3111-Fe,B	<0.3	0.3	NR**		
18.	Nickel as Ni	mg/l	APHA 3111-Ni, B	< 0.02	0.02	NR**		
19.	Lead as Pb	mg/l	APHA 3111-Pb,B	< 0.01	0.01	NR**		
20.	Zinc as Zn	mg/l	APHA 3111-Zn, D	0.051	5	15		
21.	Manganese as Mn	mg/l	APHA 3111-Mn,B	< 0.02	0.1	0.3		

*As per APHA/AWWA; 22nd Ed. (2012) ** NR= No relaxation,

Note:

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5. No deviation as per the Standard Method.

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(Dr. Divya Misra) Managing Director

Page 1 of 2



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1.

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Test Report for Borewell Water Quality								
Report No.	Lab	Issue Date						
PCS/BWQ/02(a)/2023	PCS	25/10/2023						
1. Name & Address of Industry	M/s Indian Farmers Fertilize	Allahabad.						
2. Type of Industry	Fertilizer	8. Method of Sampling	As per Standard Method					
3. Sample Collected by	Mr Vipin & Mr Sunil	Date of sampling	12/10/2023					
4. Sampling Location	Borewell-2	10. Sample receipt in lab	13/10/2023					
5. Weather Condition	Clear Sky 11. Date of Analysis		14/10/2023 - 20/10/2023					
6. Lab Code	PCS23/187/1188	12. Sample Analyzed By	Ms Shivani Chaturvedi					
7. Quantity of Sample	2 liter	.5						

Result

< 0.02

Requirement (Acceptable limit)

Parameters

Vanadium as V

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Unit

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APHA 3111-V-B

Reference

Method*

5. No deviation as per the Standard Method.

Authorized Signatory

BIS Standard IS 10500: 2012

Permissible limit in the

absence of alternate source

(Dr. Divya Misra) **Managing Director**

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"End of this Test Report"

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Note: It is recommended that the acceptable limit is to be implemented. Values in excess of those mentioned under 'acceptable' render the water not suitable, but still may be tolerated in the absence of an alternative source but up to the limits indicated under 'permissible' limit in the absence of alternative source above which the sources will have to be rejected ofte:

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Test Report for Borewell Water Quality



ULR-TC824123000001673

Repo	ort No.		Lab R	deference No),	Issue Date				
	BWQ/03/2023			FCO/03/2023 25/10/2023						
1.	Name & Address of Indus	stry M/s	M/s Indian Farmers Fertilizer Cooperative Limited Phulpur Unit, Allahabad.							
3. 4. 5. 6.	Type of Industry Sample Collected by Sampling Location Weather Condition Lab Code Quantity of Sample	Mr Bor Clea PCS	Fertilizer Mr Vipin & Mr Sunil Borewell-3 Clear Sky PCS23/187/1189 2 liter		od of Sampling of sampling uple receipt in lab e of Analysis uple Analyzed By	As per Standard Method 12/10/2023 13/10/2023 14/10/2023- 20/10/2023 Ms Shivani Chaturvedi				
SI.	Parameters	Unit	Reference	Result	BIS St	andard IS 10500: 2012				
No.			Method*		Requirement (Acceptable limit)	Permissible limit in the absence of alternate source				
1.	pH	141	APHA 4500H+ B	7.40	6.5 - 8.5	NR**				
2.	Conductivity	umhos/en	APHA 2510-B	2130		***				
3.	Turbidity	NTU	APHA 2130 B	0.27	1	5				
4.	TDS	mg/l	APHA 2540 C	1295	500	2000				
5.	Hardness as CaCO ₃	mg/l	APHA 2340 C	462	200	600				
6.	Alkalinity as CaCO ₃	mg/l	APHA 2320 B	416	200	600				
7.	Chloride as CI	mg/l	APHA 4500-CI,B	193	250	1000				
8.	Sulphate as SO ₄	mg/l	APHA 4500-SO ₄ ,E	164	200	400				
9.	Nitrate as NO ₃	mg/l	APHA 4500-NO ₃ ,E	3.20	45	NR**				
10.	Calcium as Ca	mg/l	APHA 3500-Ca,B	70.5	75	200				
11.	Magnesium as Mg	mg/l	APHA 3500-Mg,B	69.4	30	100				
12.	Sodium as Na	mg/l	APHA 3500-Na,B	188	2	¥				
13.	Potassium as K	mg/l	APHA 3500-K,B	<10.0	*	_				
14.	Copper as Cu	mg/l	APHA 3111-Cu, B	< 0.05	0.05	1.5				
15.	Dissolved Silica(SiO ₂)	mg/l	APHA 4500-Si-C	32.5	T/Le	-				
16.	Chromium as Cr	mg/l	APHA 3111-Cr, B	< 0.05	0.05	NR**				
17.	Iron as Fe	mg/l	APHA 3111-Fe,B	< 0.3	0.3	NR**				
18.	Nickel as Ni	mg/l	APHA 3111-Ni, B	0.024	0.02	NR**				
19.	Lead as Pb	mg/l	APHA 3111-Pb,B	< 0.01	0.01	NR**				
20.	Zinc as Zn	mg/l	APHA 3111-Zn, D	0.056	5	15				
21.	Manganese as Mn	mg/l	APHA 3111-Mn,B	< 0.02	0.1	0.3				

*As per APHA/AWWA; 22nd Ed. (2012) ** NR= No relaxation,

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5. No deviation as per the Standard Method.

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> (Dr. Divya Misra) **Managing Director**

> > Page 1 of 2

"End of this Test Report"



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	Te	st Report for Bore	well Wat	er Quality		
Report No.		Lab Re	ference No),	Issue Date	
PCS/BWQ/03(a)/2023 PCS/IFF0				FCO/03/2023 25/		
1. Name & Address of Indust	try M/s Indi	an Farmers Fertilizer Co	Cooperative Limited Phulpur Unit, Allahabad.			
 Type of Industry Sample Collected by Sampling Location Weather Condition Lab Code Quantity of Sample 	Mr Vipir Borewel Clear Sk	Fertilizer Mr Vipin & Mr Sunil Borewell-3 Clear Sky PCS23/187/1189		nod of Sampling of sampling inple receipt in lab are of Analysis inple Analyzed By	As per Standard Method 12/10/2023 13/10/2023 14/10/2023- 20/10/2023 Ms Shivani Chaturvedi	
SI. Parameters No.	Unit	Reference Method*	Result	BIS St Requirement (Acceptable limit)	Permissible limit in the absence of alternate source	
Vanadium as V	mg/l	APHA 3111-V-B	< 0.02		-	

*As per APHA/AWWA; 22nd Ed. (2012) ** NR= No relaxation,

Note: It is recommended that the acceptable limit is to be implemented. Values in excess of those mentioned under 'acceptable' render the water not suitable, but still may be tolerated in the absence of an alternative source but up to the limits indicated under 'permissible' limit in the absence of alternative source above which the sources will have to be rejected.

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5. No deviation as per the Standard Method.

Authorized Signatory

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(Dr. Divya Misra) **Managing Director**

"End of this Test Report"



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(An ISO 14001:2015, ISO 9001-2015 and ISO 45001:2018 Certified Organization)

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Tel: 0522- 4002545, Mobile: 09415518818,

GSTIN: - 09AAJFP5925G1ZY

Test Report for Borewell Water Quality



ULR-TC824123000001674

Chloride as CI

Sulphate as SO4

Nitrate as NO₃

Calcium as Ca

Sodium as Na

Potassium as K

Chromium as Cr

Copper as Cu

Iron as Fe

Nickel as Ni

Lead as Pb

Magnesium as Mg

Dissolved Silica(SiO2)

8.

9.

10.

11.

12.

13.

14.

15.

16.

17.

18.

19.

Repo	ort No.			Lab	Issue Date				
PCS/	BWQ/04/2023			PCS/I	25/10/2023				
1.	Name & Address of Indu	istry	M/s I	ndian Farmers Fertilizer	rs Fertilizer Cooperative Limited Phulpur Unit, Allahabad.				
3. 5 4. 5 5. 1	Sample Collected by Sampling Location Weather Condition Lab Code Quantity of Sample M. M		Bore Clear	ipin & Mr Sunil well-4 Sky 3/187/1190	9. Date 10. San 11. Date	od of Sampling of sampling aple receipt in lab e of Analysis aple Analyzed By	As per Standard Method 12/10/2023 13/10/2023 14/10/2023- 20/10/2023 Ms Shivani Chaturvedi		
SI.	Parameters	Uı	nit	Reference	Result	BIS Standard IS 10500: 2012			
No.				Method*		Requirement (Acceptable limit)	Permissible limit in the absence of alternate source		
1.	pH		-	APHA 4500H+ B	7.60	6.5 - 8.5	NR**		
2.	Conductivity	μmho	os/cm	APHA 2510-B	1010				
3.	Turbidity	NT	ΓU	APHA 2130 B	0.18	1	5		
4.	TDS	m	g/l	APHA 2540 C	610	500	2000		
5.	Hardness as CaCO ₃	m	g/l	APHA 2340 C	318	200	600		
6.	Alkalinity as CaCO ₃		g/I	APHA 2320 B	372	200	600		

49.0

52.3

1.71

45.9

49.4

86.0

<10.0

< 0.05

28.60

< 0.05

< 0.3

< 0.02

< 0.01

0.048

< 0.02

250

200

45

75

30

0.05

0.05

0.3

0.02

0.01

5

0.1

 20.
 Zinc as Zn
 mg/l
 APHA 3111-Zn, D

 21.
 Manganese as Mn
 mg/l
 APHA 3111-Mn,B

 *As per APHA/AWWA; 22nd Ed. (2012) ** NR= No relaxation,

Note: It is recommended that the acceptable limit is to be implemented. Values in excess of those mentioned under 'acceptable' render the water not suitable, but still may be tolerated in the absence of an alternative source but up to the limits indicated under 'permissible' limit in the absence of alternative source above which the sources will have to be rejected.

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mg/l

mg/I

mg/l

4. Prakriti Consultants Services is not regulatory agency hence no part of this report should be used for legal purpose under any circumstances.

APHA 4500-CLB

APHA 4500-SO4,E

APHA 4500-NO3,E

APHA 3500-Ca,B

APHA 3500-Mg,B

APHA 3500-Na,B

APHA 3500-K.B

APHA 3111-Cu, B

APHA 4500-Si-C

APHA 3111-Cr, B

APHA 3111-Fe,B

APHA 3111-Ni, B

APHA 3111-Pb,B

5. No deviation as per the Standard Method.

Authorized Signatory

1000

400

NR**

200

100

1.5

NR**

NR**

NR**

15

0.3

NR**

(Dr. Divya Misra) Managing Director

"End of this Test Report"



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(Acceptable limit)

Report No.		Lab	Reference No).	Issue Date
PCS/BWQ/04(a)/2023		PCS/I	/IFFCO/03/2023 25/10/2		
1. Name & Address of Industry	M/s Ind	ian Farmers Fertilizer	Cooperative	Limited Phulpur Unit	, Allahabad.
 Type of Industry Sample Collected by Sampling Location Weather Condition Lab Code Quantity of Sample 	Fertilize Mr Vipi Borewe Clear Sl	in & Mr Sunil II-4	9. Date 10. Sar 11. Dat	hod of Sampling e of sampling inple receipt in lab te of Analysis inple Analyzed By	As per Standard Method 12/10/2023 13/10/2023 14/10/2023- 20/10/2023 Ms Shivani Chaturvedi
Sl. Parameters	Unit	Reference Method*	Result	BIS Requirement	Standard IS 10500: 2012 Permissible limit in the

^{*}As per APHA/AWWA; 22nd Ed. (2012) ** NR= No relaxation,

Vanadium as V

1.

< 0.02

The results in the Test Report relate only to the items tested.
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mg/l

3. The report shall not be used for any other purpose than declared by the Sponsor

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APHA 3111-V-B

5. No deviation as per the Standard Method.

Authorized Signatory

absence of alternate source

(Dr. Divya Misra) **Managing Director**

"End of this Test Report"

Note: It is recommended that the acceptable limit is to be implemented. Values in excess of those mentioned under 'acceptable' render the water not suitable, but still may be tolerated in the absence of an alternative source but up to the limits indicated under 'permissible' limit in the absence of alternative source above which the sources will have to be rejected.



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GSTIN: - 09AAJFP5925G1ZY

Test Report for Borewell Water Quality

ULR-TC824123000001675



The state of the s	ort No.			Lab R	deference No).	Issue Date			
PCS/	BWQ/05/2023			PCS/IF	FCO/03/202	23	25/10/202			
1.	Name & Address of Indus	stry	M/s I	Indian Farmers Fertilizer Cooperative Limited Phulpur Unit, Allahabad.						
3. Sample Collected by 4. Sampling Location 5. Weather Condition 6. Lab Code Mr Bor Clea			Fertil Mr V Bore Clear	ar Sky 11. Date of Analy 12. Sample Analy 12. Sample Analy 13. Sample Analy 14. Sample Analy 15. Sample Anal		od of Sampling of sampling uple receipt in lab	As per Standard Method 12/10/2023 13/10/2023 14/10/2023- 20/10/2023 Ms Shivani Chaturvedi			
SI.	Parameters	U	nit	Reference	Result	BIS St	tandard IS 10500: 2012			
No.	0.			Method*	11/1/2/2010 21 2000	Requirement (Acceptable limit)	Permissible limit in the absence of alternate source			
1.	pН			APHA 4500H+ B	7.50	6.5 - 8.5	NR**			
2.	Conductivity	μmh	os/cm	APHA 2510-B	780					
3.	Turbidity	N'	TU	APHA 2130 B	0.20	1	5			
4.	TDS	m	ng/l	APHA 2540 C	472	500	2000			
5.	Hardness as CaCO ₃	m	ıg/l	APHA 2340 C	308	200	600			
6.	Alkalinity as CaCO ₃	m	ıg/l	APHA 2320 B	390	200	600			
7.	Chloride as Cl	m	ıg/l	APHA 4500-Cl,B	21.0	250	1000			
8.	Sulphate as SO ₄	m	ıg/l	APHA 4500-SO ₄ ,E	27.0	200	400			
9.	Nitrate as NO ₃	m	ıg/l	APHA 4500-NO ₃ ,E	1.85	45	NR**			
10.	Calcium as Ca	m	ıg/l	APHA 3500-Ca,B	45.9	75	200			
11.	Magnesium as Mg	m	g/l	APHA 3500-Mg,B	47.0	30	100			
12.	Sodium as Na	m	g/l	APHA 3500-Na,B	68.0		-			
13.	Potassium as K	m	g/l	APHA 3500-K,B	<10.0	-	-			
14.	Copper as Cu	m	g/I	APHA 3111-Cu, B	< 0.05	0.05	1.5			
15.	Dissolved Silica(SiO ₂)	mg/l		APHA 4500-Si-C	33.2	-	-			
16.	Chromium as Cr	mg/l		APHA 3111-Cr, B	< 0.05	0.05	NR**			
17.	Iron as Fe	mg/l		APHA 3111-Fe,B	< 0.3	0.3	NR**			
18.	Nickel as Ni		g/l	APHA 3111-Ni, B	< 0.02	0.02	NR**			
19.	Lead as Pb	m	g/l	APHA 3111-Pb,B	< 0.01	0.01	NR**			
20.	Zinc as Zn		g/l	APHA 3111-Zn, D	0.047	5	15			
21.	Manganese as Mn		g/l	APHA 3111-Mn,B	< 0.02	0.1	0.3			

*As per APHA/AWWA; 22nd Ed. (2012) ** NR= No relaxation,

Note: It is recommended that the acceptable limit is to be implemented. Values in excess of those mentioned under 'acceptable' render the water not suitable, but still may be tolerated in the absence of an alternative source but up to the limits indicated under 'permissible' limit in the absence of alternative source above which the sources will have to be rejected.

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5. No deviation as per the Standard Method.

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(Dr. Divya Misra) **Managing Director**

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"End of this Test Report"



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Test Report for Borewell Water Quality

Repo	ort No.		Lab Re	ference No),	Issue Date		
PCS/	BWQ/05(a)/2023	11100	PCS/IFF	CO/03/202	23	25/10/202		
1. N	Name & Address of Industry M/s Indian Farmers Fertilizer Coo			ooperative	operative Limited Phulpur Unit, Allahabad.			
2. 7	Type of Industry	Fertilizer	Fertilizer		nod of Sampling	As per Standard Method		
	Sample Collected by	Mr Vipin	Mr Vipin & Mr Sunil		of sampling	12/10/2023		
	Sampling Location		Borewell-5		nple receipt in lab	13/10/2023		
	Weather Condition	Clear Sky	/	11. Date of Analysis		14/10/2023 - 20/10/2023		
6. I	Lab Code		PCS23/187/1191		nple Analyzed By	Ms Shivani Chaturvedi		
7. (Quantity of Sample	2 liter						
SI.	Parameters	Unit	Reference	Result	BIS Standard IS 10500: 2012			
No.			Method*		Requirement (Acceptable limit)	Permissible limit in the absence of alternate source		
1.	Vanadium as V	mg/l	APHA 3111-V-B	< 0.02	·=	-		

*As per APHA/AWWA; 22nd Ed. (2012) ** NR= No relaxation,

Note: It is recommended that the acceptable limit is to be implemented. Values in excess of those mentioned under 'acceptable' render the water not suitable, but still may be tolerated in the absence of an alternative source but up to the limits indicated under 'permissible' limit in the absence of alternative source above which the sources will have to be rejected.

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Authorized Signatory

(Dr. Divya Misra) **Managing Director**

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(An ISO 14001:2015, ISO 9001-2015 and ISO 45001:2018 Certified Organization)

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E-mail: prakriti md@rediffmail.com

Tel: 0522-4002545, Mobile: 09415518818,

GSTIN: - 09AAJFP5925G1ZY

0.05

0.05

0.3

0.02

0.01

5

0.1

Test Report for Borewell Water Quality

11 mm

ULR-TC824123000001676

Repo	ort No.		Lab R	Reference No).	Issue Date		
	BWQ/06/2023		PCS/IF	FFCO/03/2023 25/10/202				
1.	Name & Address of Indu	stry M/	Indian Farmers Fertilizer	Cooperative	Limited Phulpur Unit,	Allahabad.		
2. Type of Industry F			tilizer	8. Meth	od of Sampling	As per Standard Method		
3.	Sample Collected by	Mr	Vipin & Mr Sunil		of sampling	12/10/2023		
4.	Sampling Location	Bo	rewell-6		iple receipt in lab	13/10/2023		
	Weather Condition		ar Sky		e of Analysis	14/10/2023- 20/10/2023		
6. Lab Code			S23/187/1192	12. San	ple Analyzed By	Ms Shivani Chaturvedi		
	Quantity of Sample	2 I	227					
SI.	Parameters	Unit	Reference	Result	BIS Standard IS 10500: 2012			
No.			Method*		Requirement (Acceptable limit)	Permissible limit in the absence of alternate source		
1.	pН	-	APHA 4500H+ B	7.60	6.5 - 8.5	NR**		
2.	Conductivity	μmhos/c	m APHA 2510-B	750	1	5		
3.	Turbidity	NTU	APHA 2130 B	0.17				
4.	TDS	mg/l	APHA 2540 C	455	500	2000		
5.	Hardness as CaCO ₃	mg/l	APHA 2340 C	294	200	600		
6.	Alkalinity as CaCO ₃	mg/l	APHA 2320 B	375	200	600		
7.	Chloride as Cl	mg/l	APHA 4500-Cl,B	19.0	250	1000		
8.	Sulphate as SO ₄	mg/l	APHA 4500-SO ₄ ,E	25.0	200	400		
9.	Nitrate as NO ₃	mg/l	APHA 4500-NO ₃ ,E	2.49	45	NR**		
10.	Calcium as Ca	mg/l	APHA 3500-Ca,B	42.0	75	200		
11.	Magnesium as Mg	mg/l	APHA 3500-Mg,B	45.9	30	100		
12.	Sodium as Na	mg/l	APHA 3500-Na,B	65.0	-	-		
13.	Potassium as K	mg/l	APHA 3500-K,B	<10.0	-	-		
					0.00	4 =		

< 0.05

29.8

< 0.05

< 0.3

< 0.02

< 0.01

0.044

< 0.02

*As per APHA/AWWA; 22nd Ed. (2012) ** NR= No relaxation,

Copper as Cu

Iron as Fe

Nickel as Ni

Lead as Pb

Zinc as Zn

Chromium as Cr

Manganese as Mn

15.

16.

17.

18.

19.

20.

21.

Note:

Dissolved Silica(SiO2)

Note: It is recommended that the acceptable limit is to be implemented. Values in excess of those mentioned under 'acceptable' render the water not suitable, but still may be tolerated in the absence of an alternative source but up to the limits indicated under 'permissible' limit in the absence of alternative source above which the sources will have to be rejected.

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mg/l

mg/l

mg/l

mg/l

mg/l

mg/l

mg/l

mg/l

4. Prakriti Consultants Services is not regulatory agency hence no part of this report should be used for legal purpose under any circumstances.

APHA 3111-Cu, B

APHA 4500-Si-C

APHA 3111-Cr, B

APHA 3111-Fe,B

APHA 3111-Ni, B

APHA 3111-Pb,B

APHA 3111-Zn, D

APHA 3111-Mn,B

5. No deviation as per the Standard Method.

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1.5

NR**

NR**

NR**

NR**

15

0.3

(Dr. Divya Misra) Managing Director

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		Tes	t Report for Bore	well Wat	er Quality			
Report No.			Lab Re	ference No		Issue Date		
PCS/BWQ/06(a)/2023 PCS/IFFCO/03/2023				13	25/10/2023			
1. Name & Address of Inde	ustry	stry M/s Indian Farmers Fertilizer Co			Cooperative Limited Phulpur Unit, Allahabad.			
 Type of Industry Sample Collected by Sampling Location Weather Condition Lab Code Quantity of Sample 	. Type of Industry . Sample Collected by . Sampling Location . Weather Condition . Lab Code Fertiliz Mr Vip Borewe Clear S PCS23/		& Mr Sunil	8. Method of Sampling 9. Date of sampling 10. Sample receipt in lab 11. Date of Analysis 12. Sample Analyzed By		As per Standard Method 12/10/2023 13/10/2023 14/10/2023 - 20/10/2023 Ms Shivani Chaturvedi		
Sl. Parameters No.	l	Init	Reference Method*	Result	BIS Se Requirement (Acceptable limit)	Permissible limit in the absence of alternate source		
1 Vanadium as V		mg/I	APHA 3111-V-B	< 0.02		-		

^{*}As per APHA/AWWA; 22nd Ed. (2012) ** NR= No relaxation,

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(Dr. Divya Misra) **Managing Director**

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GSTIN: - 09AAJFP5925G1ZY

Test Report for Borewell Water Quality

ULR-TC824123000001677

Report No.



***************************************		Labr	reference 140	J.	Issue Da
PCS/BWQ/07/2023		PCS/II	FCO/03/202	23	25/10/20:
1. Name & Address of Indu	stry M/s l	ndian Farmers Fertilizer	Cooperative	Limited Phulpur Unit.	Allahabad.
Type of Industry	Ferti			od of Sampling	As per Standard Method
Sample Collected by	Mr V	ipin & Mr Sunil		of sampling	12/10/2023
 Sampling Location 	Bore	well-7		ple receipt in lab	13/10/2023
Weather Condition	Clear	Sky		e of Analysis	14/10/2023 - 20/10/2023
6. Lab Code	PCS2	23/187/1193		ple Analyzed By	Ms Shivani Chaturvedi
Quantity of Sample	2 lite	Г			
Sl. Parameters	Unit	Reference	Result	BIS St	tandard IS 10500; 2012
No.		Method*		Requirement	Permissible limit in the
				(Acceptable limit)	absence of alternate source
1. pH	-	APHA 4500H+ B	7.50	6.5 - 8.5	NR**
2. Conductivity	μmhos/cm	APHA 2510-B	830		
3. Turbidity	NTU	APHA 2130 B	0.19	1	5
4. TDS	mg/l	APHA 2540 C	504	500	2000
 Hardness as CaCO₃ 	mg/l	APHA 2340 C	295	200	600
 Alkalinity as CaCO₃ 	mg/l	APHA 2320 B	396	200	600
7. Chloride as Cl	mg/l	APHA 4500-Cl,B	24.0	250	1000
 Sulphate as SO₄ 	mg/I	APHA 4500-SO ₄ ,E	35.0	200	400
9. Nitrate as NO ₃	mg/l	APHA 4500-NO ₃ ,E	2.45	45	NR**
Calcium as Ca	mg/l	APHA 3500-Ca,B	43.0	75	200
11. Magnesium as Mg	mg/l	APHA 3500-Mg,B	45.6	30	100
2. Sodium as Na	mg/l	APHA 3500-Na,B	82.0	-	-
3. Potassium as K	mg/l	APHA 3500-K,B	<10.0		-
 Copper as Cu 	mg/l	APHA 3111-Cu, B	< 0.05	0.05	1.5
 Dissolved Silica(SiO₂) 	mg/l	APHA 4500-Si-C	29.90	-	-
6. Chromium as Cr	mg/l	APHA 3111-Cr, B	< 0.05	0.05	NR**
7. Iron as Fe	mg/l	APHA 3111-Fe,B	< 0.3	0.3	NR**
8. Nickel as Ni	mg/l	APHA 3111-Ni, B	< 0.02	0.02	NR**
9. Lead as Pb	mg/l	APHA 3111-Pb,B	< 0.01	0.01	NR**
20. Zinc as Zn	mg/l	APHA 3111-Zn, D	0.050	5	15
21. Manganese as Mn	mg/l	APHA 3111-Mn,B	< 0.02	0.1	0.3

Note:

*As per APHA/AWWA; 22nd Ed. (2012) ** NR= No relaxation,
Note: It is recommended that the acceptable limit is to be implemented. Values in excess of those mentioned under 'acceptable' render the water not suitable, but still may be tolerated in the absence of an alternative source but up to the limits indicated under 'permissible' limit in the absence of alternative source above which the sources will have to be rejected.

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5. No deviation as per the Standard Method.

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(Dr. Divya Misra) **Managing Director**

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		Tes	t Report for Bore	well Wat	er Quality	
Repo	rt No.		Lab Ref	ference No),	Issue Date
PCS/	BWQ/07(a)/2023 PCS/IFFCO/03/2023					25/10/2023
1. N	Name & Address of Industry	M/s India	ın Farmers Fertilizer Co	Allahabad.		
3. S 4. S 5. V 6. I	2. Type of Industry 3. Sample Collected by 4. Sampling Location 5. Weather Condition Fertilizer Mr Vipin & Borewell- Clear Sky		& Mr Sunil I-7	7 10. Sample receipt in lab 11. Date of Analysis		As per Standard Method 12/10/2023 13/10/2023 14/10/2023- 20/10/2023 Ms Shivani Chaturvedi
Sl. No.	Parameters	Unit	Reference Method*	Result	BIS St Requirement (Acceptable limit)	Permissible limit in the absence of alternate source
1.	Vanadium as V	mg/l	APHA 3111-V-B	< 0.02	129	-

^{*}As per APHA/AWWA; 22nd Ed. (2012) ** NR= No relaxation,

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Test Report for Borewell Water Quality

ULR-TC824123000001678



_	ort No.			Lab	Reference No	0.	Issue Da	
PCS	/BWQ/08/2023			PCS/I	25/10/202			
	Name & Address of Ind	lustry	M/s I	ndian Farmers Fertilize	er Cooperative Limited Phulpur Unit, Allahabad.			
3. 4. 5. 6.	Sample Collected by Sampling Location Weather Condition Lab Code Quantity of Sample			Fertilizer Mr Vipin & Mr Sunil Borewell-8 Clear Sky PCS23/187/1194 2 liter		of sampling of sampling uple receipt in lab e of Analysis uple Analyzed By	As per Standard Method 12/10/2023 13/10/2023 14/10/2023- 20/10/2023 Ms Shivani Chaturyedi	
SI.	Parameters	U	nit	Reference	Result	BIS Standard IS 10500: 2012		
No.				Method*		Requirement (Acceptable limit)	Permissible limit in the absence of alternate source	
1.	pН		-	APHA 4500H+ B	7.49	6.5 - 8.5	NR**	
2.	Conductivity	μmh	os/cm	APHA 2510-B	1990			
3.	Turbidity	N	TU	APHA 2130 B	0.21	1	5	
4.	TDS	n	ng/l	APHA 2540 C	1210	500	2000	
5	Handmann on C-CO	-		1 DITT 1 22 12 C		179-1997	2000	

1.	pH	-	APHA 4500H+ B	7.49	6.5 - 8.5	NR**
2.	Conductivity	μmhos/cm	APHA 2510-B	1990		
3.	Turbidity	NTU	APHA 2130 B	0.21	1	5
4.	TDS	mg/l	APHA 2540 C	1210	500	2000
5.	Hardness as CaCO ₃	mg/l	APHA 2340 C	562	200	600
6.	Alkalinity as CaCO ₃	mg/l	APHA 2320 B	428	200	600
7.	Chloride as Cl	mg/l	APHA 4500-Cl,B	268	250	1000
8.	Sulphate as SO ₄	mg/l	APHA 4500-SO ₄ ,E	214	200	400
9.	Nitrate as NO ₃	mg/l	APHA 4500-NO ₃ ,E	1.81	45	NR**
10.	Calcium as Ca	mg/I	APHA 3500-Ca,B	75.6	75	200
11.	Magnesium as Mg	mg/l	APHA 3500-Mg,B	90.6	30	100
12.	Sodium as Na	mg/l	APHA 3500-Na,B	225.0	-	-
13.	Potassium as K	mg/l	APHA 3500-K,B	<10.0	-	<u> </u>
14.	Copper as Cu	mg/I	APHA 3111-Cu, B	< 0.05	0.05	1.5
15.	Dissolved Silica(SiO ₂)	mg/l	APHA 4500-Si-C	34.6	-	
16.	Chromium as Cr	mg/l	APHA 3111-Cr, B	< 0.05	0.05	NR**
17.	Iron as Fe	mg/l	APHA 3111-Fe,B	<0.3	0.3	NR**
18.	Nickel as Ni	mg/l	APHA 3111-Ni, B	<0.02	0.02	NR**
19.	Lead as Pb	mg/l	APHA 3111-Pb,B	< 0.01	0.01	NR**
20.	Zinc as Zn	mg/l	APHA 3111-Zn, D	0.048	5	15
21.	Manganese as Mn		APHA 3111-Mn,B	< 0.02	0.1	0.3

As per APHA/AWWA; 22nd Ed. (2012) ** NR= No relaxation.

Note: It is recommended that the acceptable limit is to be implemented. Values in excess of those mentioned under 'acceptable' render the water not suitable, but still may be tolerated in the absence of an alternative source but up to the limits indicated under 'permissible' limit in the absence of alternative source above which the sources will have to be rejected.

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		Tes	t Report for Bore	well Wat	er Quality	
Repo	Report No. Lab Ref).	Issue Date
	WQ/08(a)/2023 PCS/IFFC				23	25/10/2023
	Name & Address of Industry	M/s India	n Farmers Fertilizer Co	operative	Limited Phulpur Unit, a	Allahabad.
3. \$4. \$5. \$7. \$6. \$1	Type of Industry Sample Collected by Sampling Location Weather Condition Lab Code Quantity of Sample	Fertilizer Mr Vipin Borewell Clear Sky PCS23/19 2 liter	& Mr Sunil -8	8. Method of Sampling 9. Date of sampling 10. Sample receipt in lab 11. Date of Analysis 12. Sample Analyzed By		As per Standard Method 12/10/2023 13/10/2023 14/10/2023- 20/10/2023 Ms Shivani Chaturvedi
SI.	Parameters	Unit	Reference	Result	BIS St	andard IS 10500: 2012
No.			Method*		Requirement (Acceptable limit)	Permissible limit in the absence of alternate source
1.	Vanadium as V	mg/l	APHA 3111-V-B	< 0.02	-	2

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absence of an alternative source but up to the limits indicated under 'permissible' limit in the absence of alternative source above which the sources will have to be rejected.



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GSTIN: - 09AAJFP5925G1ZY

Test Report for Borewell Water Quality

ULR-TC824123000001679



Repo	ort No.		Lat	Issue Date		
PCS/	/BWQ/09/2023	PCS/IFFCO/03/2023				25/10/2023
1.	Name & Address of Industry	M/s	Indian Farmers Fertiliz	t, Allahabad.		
2.	Type of Industry	Fert	ilizer	8. Meth	nod of Sampling	As per Standard Method
3.	Sample Collected by	Mr	Mr Vipin & Mr Sunil 9. Date of sampling		12/10/2023	
4.	Sampling Location	Bor	Borewell-9		ple receipt in lab	13/10/2023
5.	Weather Condition	Clea	ar Sky		e of Analysis	14/10/2023 - 20/10/2023
6.	Lab Code	PCS	323/187/1195		ple Analyzed By	Ms Shivani Chaturvedi
7.	Quantity of Sample	2 lit	er			
SI.	I. Parameters Uni		Reference	Result	BIS Standard IS 10500: 2012	
No.			Method*		Requirement	Permissible limit in the

		2 lite	r	12. Sam	iple Analyzed By	Ms Shivani Chaturvedi
SI.	Parameters	Unit	Reference	Result	BIS S	tandard IS 10500: 2012
No.			Method*		Requirement (Acceptable limit)	Permissible limit in the absence of alternate source
1.	pН	-	APHA 4500H+ B	7.65	6.5 - 8.5	NR**
2.	Conductivity	μmhos/cm	APHA 2510-B	1750		
3.	Turbidity	NTU	APHA 2130 B	0.19	1	5
4.	TDS	mg/l	APHA 2540 C	1060	500	2000
5.	Hardness as CaCO ₃	mg/l	APHA 2340 C	452	200	600
6.	Alkalinity as CaCO3	mg/I	APHA 2320 B	410	200	600
7.	Chloride as CI	mg/l	APHA 4500-CI,B	216	250	1000
8.	Sulphate as SO ₄	mg/l	APHA 4500-SO ₄ ,E	184	200	400
9.	Nitrate as NO ₃	mg/l	APHA 4500-NO ₃ ,E	3.62	45	NR**
10.	Calcium as Ca	mg/l	APHA 3500-Ca,B	64.0	75	200
11.	Magnesium as Mg	mg/l	APHA 3500-Mg,B	71.0	30	100
12.	Sodium as Na	mg/l	APHA 3500-Na,B	210		-
13.	Potassium as K	mg/l	APHA 3500-K,B	<10.0		
14.	Copper as Cu	mg/l	APHA 3111-Cu, B	< 0.05	0.05	1.5
15.	Dissolved Silica(SiO ₂)	mg/l	APHA 4500-Si-C	34.6	-	-
16.	Chromium as Cr	mg/l	APHA 3111-Cr, B	< 0.05	0.05	NR**
17.	Iron as Fe	mg/l	APHA 3111-Fe,B	<0.3	0.3	NR**
18.	Nickel as Ni	mg/l	APHA 3111-Ni, B	< 0.02	0.02	NR**
19.	Lead as Pb	mg/l	APHA 3111-Pb,B	< 0.01	0.01	NR**
20.	Zinc as Zn	mg/l	APHA 3111-Zn, D	0.053	5	15
21.	Manganese as Mn	mg/l	APHA 3111-Mn,B	< 0.02	0.1	0.3

^{*}As per APHA/AWWA; 22nd Ed. (2012) ** NR= No relaxation,

Note: It is recommended that the acceptable limit is to be implemented. Values in excess of those mentioned under 'acceptable' render the water not suitable, but still may be tolerated in the absence of an alternative source but up to the limits indicated under 'permissible' limit in the absence of alternative source above which the sources will have to be rejected. Note:

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5. No deviation as per the Standard Method.

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Test Depost for Porgradl Water Quality

Repo	ort No.		Lab Re	ference No		Issue Date 25/10/2023	
PCS/	BWQ/09(a)/2023		PCS/IFF	CO/03/202	1.3		
Name & Address of Industry M/s Indian Farmers Fertilizer Co				operative	Limited Phulpur Unit,		
3. 5 4. 5 5. 1 6. 1	Type of Industry Sample Collected by Sampling Location Weather Condition Fertilizer Mr Vipin & Mr Sunil Borewell-9 Clear Sky		& Mr Sunil -9	8. Method of Sampling 9. Date of sampling 10. Sample receipt in lab 11. Date of Analysis 12. Sample Analyzed By		As per Standard Method 12/10/2023 13/10/2023 14/10/2023- 20/10/2023 Ms Shivani Chaturvedi	
SI.	Parameters	Unit	Reference	Result	BIS St	tandard IS 10500: 2012	
No.			Method*		Requirement (Acceptable limit)	Permissible limit in the absence of alternate source	
1.	Vanadium as V	mg/l	APHA 3111-V-B	< 0.02	THE .	(i.e.	

*As per APHA/AWWA; 22nd Ed. (2012) ** NR= No relaxation,

*As per APTIA/AWWA, 22th Ed. (2012) ** NR*—No reasonation.

Note: It is recommended that the acceptable limit is to be implemented. Values in excess of those mentioned under 'acceptable' render the water not suitable, but still may be tolerated in the absence of an alternative source but up to the limits indicated under 'permissible' limit in the absence of alternative source above which the sources will have to be rejected.

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Tel: 0522-4002545, Mobile: 09415518818, GSTIN:- 09AAJFP5925G1ZY

Test Report for Borewell Water Quality

ULR-TC824123000001680



	oort No.		Lab Reference No.					
PCS	S/BWQ/10/2023		PCS	25/10/2023				
1.	Name & Address of Industry	M/s	M/s Indian Farmers Fertilizer Cooperative Limited Phulpur Unit, Allahabad.					
2. 3. 4. 5. 6. 7.	Type of Industry Sample Collected by Sampling Location Weather Condition Lab Code Quantity of Sample	Fert Mr Bor Clea	ilizer Vipin & Mr Sunil ewell-10 ur Sky i23/187/1196	8. Method of 9. Date of sa 10. Sample 11. Date of 11.	f Sampling ampling receipt in lab	As per Standard Method 12/10/2023 13/10/2023 14/10/2023- 20/10/2023 Ms Shivani Chaturvedi		
SI.	Parameters	Unit	Reference	Result	RIC	Standard IS 10500, 2012		

			:3/18//1196 r	12. Sample Analyzed By		Ms Shivani Chaturvedi
SI. No.	Parameters	Unit	Reference	Result		tandard IS 10500: 2012
INO.			Method*		Requirement (Acceptable limit)	Permissible limit in the absence of alternate source
1.	pH	-	APHA 4500H+ B	7.70	6.5 - 8.5	NR**
2.	Conductivity	μmhos/cm	APHA 2510-B	1050		
3.	Turbidity	NTU	APHA 2130 B	0.20	1	5
4.	TDS	mg/l	APHA 2540 C	635.0	500	2000
5.	Hardness as CaCO ₃	mg/l	APHA 2340 C	318.0	200	600
6.	Alkalinity as CaCO ₃	mg/l	APHA 2320 B	385.0	200	600
7.	Chloride as Cl	mg/l	APHA 4500-Cl,B	58.5	250	1000
8.	Sulphate as SO ₄	mg/l	APHA 4500-SO ₄ ,E	48.4	200	400
9.	Nitrate as NO ₃	mg/l	APHA 4500-NO ₃ ,E	1.42	45	NR**
10.	Calcium as Ca	mg/l	APHA 3500-Ca,B	43.0	75	200
11.	Magnesium as Mg	mg/l	APHA 3500-Mg,B	51.2	30	100
12.	Sodium as Na	mg/l	APHA 3500-Na,B	93.0		-
13.	Potassium as K	mg/l	APHA 3500-K,B	<10.0		-
14.	Copper as Cu	mg/l	APHA 3111-Cu, B	< 0.05	0.05	1.5
15.	Dissolved Silica(SiO ₂)	mg/l	APHA 4500-Si-C	34.2	-	-
16.	Chromium as Cr	mg/l	APHA 3111-Cr, B	< 0.05	0.05	NR**
17.	Iron as Fe	mg/l	APHA 3111-Fe,B	< 0.3	0.3	NR**
18.	Nickel as Ni	mg/l	APHA 3111-Ni, B	< 0.02	0.02	NR**
19.	Lead as Pb	mg/l	APHA 3111-Pb,B	< 0.01	0.01	NR**
20.	Zinc as Zn	mg/l	APHA 3111-Zn, D	0.050	5	15
21.	Manganese as Mn	mg/l	APHA 3111-Mn,B	< 0.02	0.1	0.3

*As per APHA/AWWA; 22nd Ed. (2012) ** NR= No relaxation,

Note: It is recommended that the acceptable limit is to be implemented. Values in excess of those mentioned under 'acceptable' render the water not suitable, but still may be tolerated in the absence of an alternative source but up to the limits indicated under 'permissible' limit in the absence of alternative source above which the sources will have to be rejected.

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5. No deviation as per the Standard Method.

Authorized Signatory

(Dr. Divya Misra) **Managing Director**

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Test Report for Borewell Water Quality **Issue Date** Lab Reference No. 25/10/2023 PCS/IFFCO/03/2023 M/s Indian Farmers Fertilizer Cooperative Limited Phulpur Unit, Allahabad. As per Standard Method 8. Method of Sampling Fertilizer 12/10/2023 9. Date of sampling Mr Vipin & Mr Sunil

10. Sample receipt in lab

6. 1	Weather Condition Lab Code Quantity of Sample		Clear Sky PCS23/187/1196 2 liter		te of Analysis nple Analyzed By	Ms Shivani Chaturvedi
SI.	Parameters	Unit	Reference	Result	BIS S	tandard IS 10500: 2012
No.			Method*		Requirement	Permissible limit in the

< 0.02

*As per APHA/AWWA; 22nd Ed. (2012) ** NR= No relaxation,

Note. It is recommended that the acceptable limit is to be implemented. Values in excess of those mentioned under 'acceptable' render the water not suitable, but still may be tolerated in the absence of an alternative source but up to the limits indicated under 'permissible' limit in the absence of alternative source above which the sources will have to be rejected.

Note:

Report No.

PCS/BWQ/10(a)/2023

Type of Industry

Sample Collected by

Sampling Location

Vanadium as V

Name & Address of Industry

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mg/l

Borewell-10

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APHA 3111-V-B

5. No deviation as per the Standard Method.

Authorized Signatory

13/10/2023

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0.05

0.3

0.02

0.01

5

0.1

Test Report for Borewell Water Quality



THE TO TO 24122000001691

Repo	ort No.		Lab F	deference No),	Issue Date	
PCS/	BWQ/11/2023		PCS/II	FCO/03/202	23	25/10/2023	
1. Name & Address of Industry M/s Indian Farmers Fertilizer C					Limited Phulpur Unit,	Allahabad.	
2.	Type of Industry	Fer	ilizer	8. Meth	od of Sampling	As per Standard Method	
3.	Sample Collected by	Mr	Vipin & Mr Sunil	9. Date	of sampling	12/10/2023	
	Sampling Location		ewell-11		ple receipt in lab	13/10/2023	
	Weather Condition		ar Sky		e of Analysis	14/10/2023- 20/10/2023	
6. Lab Code			323/187/1197	12. San	ple Analyzed By	Ms Shivani Chaturvedi	
	Quantity of Sample	2 li					
SI.	Parameters	Unit	Reference	Result		BIS Standard IS 10500: 2012	
No.			Method*		Requirement (Acceptable limit)	Permissible limit in the absence of alternate source	
1.	pН		APHA 4500H+ B	7.60	6.5 - 8.5	NR**	
2.	Conductivity	μmhos/ci	n APHA 2510-B	1230			
3.	Turbidity	NTU	APHA 2130 B	0.14	1	5	
4.	TDS	mg/l	APHA 2540 C	740	500	2000	
5.	Hardness as CaCO ₃	mg/l	APHA 2340 C	395	200	600	
6.	Alkalinity as CaCO ₃	mg/l	APHA 2320 B	410	200	600	
7.	Chloride as Cl	mg/l	APHA 4500-Cl,B	85.0	250	1000	
8.	Sulphate as SO ₄	mg/l	APHA 4500-SO ₄ ,E	124.0	200	400	
9.	Nitrate as NO ₃	mg/l	APHA 4500-NO ₃ ,E	2.58	45	NR**	
10.	Calcium as Ca	mg/l	APHA 3500-Ca,B	57.0	75	200	
11.	Magnesium as Mg	mg/l	APHA 3500-Mg,B	61.4	30	100	
12.	Sodium as Na	mg/l	APHA 3500-Na,B	122.0	-	-	
13.	Potassium as K	mg/l	APHA 3500-K,B	<10.0	•	-	
14.	Copper as Cu	mg/l	APHA 3111-Cu, B	< 0.05	0.05	1.5	
15.	Dissolved Silica(SiO ₂)	mg/l	APHA 4500-Si-C	36.1	-		

21. mg/l APHA 3111-Mn,B *As per APHA/AWWA; 22nd Ed. (2012) ** NR= No relaxation,

Chromium as Cr

Manganese as Mn

Iron as Fe

Nickel as Ni

Lead as Pb

Zinc as Zn

17.

18.

19.

20.

Note:

Note: It is recommended that the acceptable limit is to be implemented. Values in excess of those mentioned under 'acceptable' render the water not suitable, but still may be tolerated in the absence of an alternative source but up to the limits indicated under 'permissible' limit in the absence of alternative source above which the sources will have to be rejected to:

1. The results in the Test Report relate only to the items tested.

< 0.05

< 0.3

< 0.02

< 0.01

0.042

< 0.02

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mg/l

mg/l

mg/l

mg/l

mg/l

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APHA 3111-Cr, B

APHA 3111-Fe,B

APHA 3111-Ni, B

APHA 3111-Pb,B

APHA 3111-Zn, D

5. No deviation as per the Standard Method.

Authorized Signatory

NR**

NR**

NR**

15

0.3

NR**

(Dr. Divya Misra) Managing Director

Page 1 of 2

"End of this Test Report"



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		Tes	st Report for Bore	well Wat	er Quality	
Repo	Report No. Lab Refer).	Issue Date
PCS/	BWQ/11(a)/2023	PCS/IFFCO/03/2023				25/10/2023
1. 1	Name & Address of Industry	M/s India	n Farmers Fertilizer Co	ooperative	Limited Phulpur Unit,	Allahabad.
3. 5 4. 5 5. 1 6. 1	Type of Industry Sample Collected by Sampling Location Weather Condition Lab Code Quantity of Sample	Borewell Clear Sky	ertilizer Ir Vipin & Mr Sunil orewell-11 lear Sky CS23/187/1197		nod of Sampling of sampling inple receipt in lab the of Analysis inple Analyzed By	As per Standard Method 12/10/2023 13/10/2023 14/10/2023- 20/10/2023 Ms Shivani Chaturvedi
Sl. No.	Parameters	Unit	Reference Method*	Result	BIS Some Requirement (Acceptable limit)	Permissible limit in the absence of alternate source
1	Vanadium as V	mø/l	APHA 3111-V-B	< 0.02		-

*As per APHA/AWWA; 22nd Ed. (2012) ** NR= No relaxation,
Note: It is recommended that the acceptable limit is to be implemented. Values in excess of those mentioned under 'acceptable' render the water not suitable, but still may be tolerated in the absence of an alternative source but up to the limits indicated under 'permissible' limit in the absence of alternative source above which the sources will have to be rejected.

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5. No deviation as per the Standard Method.

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Tel: 0522-4002545, Mobile: 09415518818,

Test Report for Borewell Water Quality



GSTIN: - 09AAJFP5925G1ZY

ULR-TC824123000001682

Repo	ort No.		Lab F	Reference No),	Issue Date	
PCS/	BWQ/12/2023		PCS/II	FCO/03/202	23	25/10/2023	
1.	Name & Address of Indu	istry M/s	ndian Farmers Fertilizer	Cooperative	Limited Phulpur Unit,		
2.	Type of Industry	Ferti			od of Sampling	As per Standard Method	
	Sample Collected by	Mr V	ipin & Mr Sunil		of sampling	12/10/2023	
4.	Sampling Location		ewell-12		ple receipt in lab	13/10/2023	
5.	Weather Condition	Clean	Sky	11. Date	e of Analysis	14/10/2023 - 20/10/2023	
6.	Lab Code	PCS:	23/187/1198	12. Sam	ple Analyzed By	Ms Shivani Chaturvedi	
7.	Quantity of Sample	2 lite	r				
SI.	Parameters	Unit	Reference	Result	BIS Standard IS 10500: 2012		
No.	No.			Method*		Requirement (Acceptable limit)	Permissible limit in the absence of alternate source
1.	pH	194	APHA 4500H+ B	7.70	6.5 - 8.5	NR**	
2.	Conductivity	μmhos/cm	APHA 2510-B	918.0			
3.	Turbidity	NTU	APHA 2130 B	0.19	1	5	
4.	TDS	mg/l	APHA 2540 C	556	500	2000	
5.	Hardness as CaCO ₃	mg/l	APHA 2340 C	314	200	600	
6.	Alkalinity as CaCO3	mg/l	APHA 2320 B	385.0	200	600	
7.	Chloride as Cl	mg/l	APHA 4500-Cl,B	43.0	250	1000	
8.	Sulphate as SO ₄	mg/l	APHA 4500-SO ₄ ,E	64.9	200	400	
9.	Nitrate as NO ₃	mg/l	APHA 4500-NO ₃ ,E	2.29	45	NR**	
10.	Calcium as Ca	mg/l	APHA 3500-Ca,B	52.0	75	200	
11.	Magnesium as Mg	mg/l	APHA 3500-Mg,B	44.7	30	100	
12.	Sodium as Na	mg/l	APHA 3500-Na,B	93.0	-	-	
13.	Potassium as K	mg/l	APHA 3500-K,B	<10.0	14/3	-	
14.	Copper as Cu	mg/l	APHA 3111-Cu, B	< 0.05	0.05	1.5	

32.50

< 0.05

< 0.3

< 0.02

< 0.01

0.045

< 0.02

0.05

0.3

0.02

0.01

5

0.1

*As per APHA/AWWA; 22nd Ed. (2012) ** NR= No relaxation,

Dissolved Silica(SiO₂)

Chromium as Cr

Manganese as Mn

Iron as Fe

Nickel as Ni

Lead as Pb

Zinc as Zn

15

16

17

18

19

20.

21.

Note:

Note: It is recommended that the acceptable limit is to be implemented. Values in excess of those mentioned under 'acceptable' render the water not suitable, but still may be tolerated in the absence of an alternative source but up to the limits indicated under 'permissible' limit in the absence of alternative source above which the sources will have to be rejected.

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mg/l

mg/l

mg/l

mg/l

mg/I

mg/I

mg/l

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APHA 4500-Si-C

APHA 3111-Cr, B

APHA 3111-Fe,B

APHA 3111-Ni, B

APHA 3111-Pb,B

APHA 3111-Zn, D

APHA 3111-Mn,B

5. No deviation as per the Standard Method.

Authorized Signatory

NR**

NR**

NR**

15

0.3

NR**

(Dr. Divya Misra) Managing Director

"End of this Test Report"



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		Te	st Report for Bo	rewell Wa	ter Quality	
Repor	t No.		Lab	Reference No).	Issue Date
PCS/B	WQ/12(a)/2023					
1. No	ame & Address of Industry	M/s Indi	an Farmers Fertilizer	Cooperative	Limited Phulpur Unit,	Allahabad.
 Ty Sa Sa Sa La 	ype of Industry ample Collected by ampling Location reather Condition ab Code uantity of Sample	Borewe Clear Sk	n & Mr Sunil II-12	8. Method of Sampling 9. Date of sampling 10. Sample receipt in lab 11. Date of Analysis 12. Sample Analyzed By		As per Standard Method 12/10/2023 13/10/2023 14/10/2023- 20/10/2023 Ms Shivani Chaturvedi
Sl. No.	Parameters	Unit	Reference Method*	Result	Requirement (Acceptable limit)	Permissible limit in the absence of alternate source

^{*}As per APHA/AWWA; 22nd Ed. (2012) ** NR= No relaxation.

Vanadium as V

< 0.02

- 1. The results in the Test Report relate only to the items tested.

mg/l

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APHA 3111-V-B

5. No deviation as per the Standard Method.

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Note: It is recommended that the acceptable limit is to be implemented. Values in excess of those mentioned under 'acceptable' render the water not suitable, but still may be tolerated in the absence of an alternative source but up to the limits indicated under 'permissible' limit in the absence of alternative source above which the sources will have to be rejected



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Test Report for Borewell Water Quality



ULR-TC824123000001683

Repo	rt No.			eference No		Issue Date
PCS/	BWQ/13/2023			FCO/03/202	-350	25/10/2023
1. 1	Name & Address of Indus	try M/	s Indian Farmers Fertilizer	Cooperative	Limited Phulpur Unit,	
2. Type of Industry 3. Sample Collected by 4. Sampling Location 5. Weather Condition 6. Lab Code 7. Quantity of Sample			rtilizer Vipin & Mr Sunil rewell-13 ear Sky S23/187/1199 iter	8. Meth 9. Date 10. Sam 11. Date	od of Sampling of sampling uple receipt in lab e of Analysis uple Analyzed By	As per Standard Method 12/10/2023 13/10/2023 14/10/2023- 20/10/2023 Ms Shivani Chaturvedi
SI.	Parameters	Unit	Reference	Result		tandard IS 10500: 2012
No.	lo.		Method*		Requirement (Acceptable limit)	Permissible limit in the absence of alternate source
1.	pH	-	APHA 4500H+ B	7.60	6.5 - 8.5	NR**
2.	Conductivity	μmhos/c	m APHA 2510-B	1740		
3.	Turbidity	NTU	APHA 2130 B	0.22	1	5
4.	TDS	mg/l	APHA 2540 C	1055	500	2000
5.	Hardness as CaCO ₃	mg/l	APHA 2340 C	421	200	600
6.	Alkalinity as CaCO ₃	mg/l	APHA 2320 B	502	200	600
7.	Chloride as Cl	mg/l	APHA 4500-Cl,B	175.0	250	1000
8.	Sulphate as SO ₄	mg/l	APHA 4500-SO ₄ ,E	108	200	400
9.	Nitrate as NO ₃	mg/l	APHA 4500-NO ₃ ,E	3.11	45	NR**
10.	Calcium as Ca	mg/l	APHA 3500-Ca,B	67.0	75	200
11.	Magnesium as Mg	mg/l	APHA 3500-Mg,B	61.6	30	100
12.	Sodium as Na	mg/l	APHA 3500-Na,B	204.0	-	
13.	Potassium as K	mg/l	APHA 3500-K,B	<10.0	-	
14.	Copper as Cu	mg/l	APHA 3111-Cu, B	< 0.05	0.05	1.5
15.	Dissolved Silica(SiO ₂)	mg/l	APHA 4500-Si-C	32.0	-	-
16.	Chromium as Cr	mg/l	APHA 3111-Cr, B	< 0.05	0.05	NR**
17.	Iron as Fe	mg/l	APHA 3111-Fe,B	<0.3	0.3	NR**
18.	Nickel as Ni	mg/l	APHA 3111-Ni, B	< 0.02	0.02	NR**
19.	Lead as Pb	mg/l	APHA 3111-Pb,B	< 0.01	0.01	NR**
20.	Zinc as Zn	mg/l	APHA 3111-Zn, D	0.047	5	15
21.	Manganese as Mn	mg/l	APHA 3111-Mn,B	< 0.02	0.1	0.3

*As per APHA/AWWA; 22nd Ed. (2012) ** NR- No relaxation,

Note:

"As per APHA/AWWA; 22nd Ed. (2012) "* NR—No telaxation,"
Note: It is recommended that the acceptable limit is to be implemented. Values in excess of those mentioned under 'acceptable' render the water not suitable, but still may be tolerated in the absence of an alternative source but up to the limits indicated under 'permissible' limit in the absence of alternative source above which the sources will have to be rejected.

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5. No deviation as per the Standard Method.

Authorized Signatory

(Dr. Divya Misra) Managing Director

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		Te	st Report for Bore	well Wat	er Quality	
Repo	rt No.		Lab Re	ference No).	Issue Date
-	BWQ/13(a)/2023		PCS/IFFCO/03/2023			25/10/2023
1. 1	Name & Address of Industry	M/s India	an Farmers Fertilizer Co	operative	Limited Phulpur Unit,	Allahabad.
3. \$ 4. \$ 5. \$ 6. 1	Type of Industry Sample Collected by Sampling Location Weather Condition Lab Code Quantity of Sample	Fertilizer Mr Vipin Borewel Clear Sk PCS23/1 2 liter	n & Mr Sunil I-13 y	9. Date 10. Sar 11. Dat	nod of Sampling of sampling inple receipt in lab de of Analysis inple Analyzed By	As per Standard Method 12/10/2023 13/10/2023 14/10/2023- 20/10/2023 Ms Shivani Chaturvedi
SI.	Parameters	Unit	Reference	Result	BIS St	andard IS 10500: 2012
No.			Method*		Requirement (Acceptable limit)	Permissible limit in the absence of alternate source
1.	Vanadium as V	mg/l	APHA 3111-V-B	< 0.02	-	-

*As per APHA/AWWA; 22nd Ed. (2012) ** NR= No relaxation,

Note. It is recommended that the acceptable limit is to be implemented. Values in excess of those mentioned under 'acceptable' render the water not suitable, but still may be tolerated in the absence of an alternative source but up to the limits indicated under 'permissible' limit in the absence of alternative source above which the sources will have to be rejected.

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5. No deviation as per the Standard Method.

Authorized Signatory

(Dr. Divya Misra) **Managing Director**

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Test Report for Borewell Water Quality



ULR-TC824123000001684

Repo	rt No.		Lab R	eference No),	Issue Date
PCS/	PCS/BWQ/14/2023 PCS/IFF				23	25/10/2023
1. 1	Name & Address of Indus	try M/s I	ndian Farmers Fertilizer	Cooperative	Limited Phulpur Unit,	Allahabad.
3. 5. 5. 5. 6. 1	Type of Industry Sample Collected by Sampling Location Weather Condition Lab Code Quantity of Sample	izer ipin & Mr Sunil well-14 · Sky 3/187/1200	9. Date 10. San 11. Dat	od of Sampling of sampling nple receipt in lab e of Analysis nple Analyzed By	As per Standard Method 12/10/2023 13/10/2023 14/10/2023- 20/10/2023 Ms Shivani Chaturvedi	
SI.	Parameters	Unit	Reference	Result	BIS St	andard IS 10500: 2012
No.			Method*		Requirement (Acceptable limit)	Permissible limit in the absence of alternate source
1.	pH	-	APHA 4500H+ B	7.70	6.5 - 8.5	NR**
2.	Conductivity	μmhos/cm	APHA 2510-B	1160		
3.	Turbidity	NTU	APHA 2130 B	0.15	1	5
4.	TDS	mg/l	APHA 2540 C	700	500	2000
5.	Hardness as CaCO ₃	mg/l	APHA 2340 C	359	200	600
6.	Alkalinity as CaCO ₃	mg/I	APHA 2320 B	410	200	600
7.	Chloride as Cl	mg/l	APHA 4500-Cl,B	78.0	250	1000
8.	Sulphate as SO ₄	mg/l	APHA 4500-SO ₄ ,E	84.0	200	400
9.	Nitrate as NO ₃	mg/l	APHA 4500-NO ₃ ,E	2.29	45	NR**
10.	Calcium as Ca	mg/l	APHA 3500-Ca,B	53.0	75	200
11.	Magnesium as Mg	mg/l	APHA 3500-Mg,B	55.0	30	100
12.	Sodium as Na	mg/l	APHA 3500-Na,B	116.0	-	*
13.	Potassium as K	mg/l	APHA 3500-K,B	<10.0	•	8#8
14.	Copper as Cu	mg/l	APHA 3111-Cu, B	< 0.05	0.05	1.5
15.	Dissolved Silica(SiO ₂)	mg/l	APHA 4500-Si-C	30.60	-	-
16.	Chromium as Cr	mg/I	APHA 3111-Cr, B	< 0.05	0.05	NR**
17.	Iron as Fe	mg/l	APHA 3111-Fe,B	< 0.3	0.3	NR**
18.	Nickel as Ni	mg/l	APHA 3111-Ni, B	< 0.02	0.02	NR**
19.	Lead as Pb	mg/l	APHA 3111-Pb,B	<0.01	0.01	NR**
20.	Zinc as Zn	mg/l	APHA 3111-Zn, D	0.044	5	15
21.	Manganese as Mn	mg/I	APHA 3111-Mn,B	< 0.02	0.1	0.3

*As per APHA/AWWA, 22nd Ed. (2012) ** NR= No relaxation,

Note: It is recommended that the acceptable limit is to be implemented. Values in excess of those mentioned under 'acceptable' render the water not suitable, but still may be tolerated in the absence of an alternative source but up to the limits indicated under 'permissible' limit in the absence of alternative source above which the sources will have to be rejected.

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Authorized Signatory

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		Tes	st Report for Bore	well Wat	er Quality	
Repo	ort No.		Lab Re	ference No).	Issue Date
and the same of	BWQ/14(a)/2023		PCS/IFFCO/03/2023			25/10/2023
	Name & Address of Industry	M/s India	an Farmers Fertilizer Co	operative	Limited Phulpur Unit,	Allahabad.
3. \$4. \$5. \$5. \$6. \$1	Type of Industry Sample Collected by Sampling Location Weather Condition Lab Code Quantity of Sample	Fertilizer Mr Vipin Borewel Clear Sky PCS23/1 2 liter	ı & Mr Sunil I-14 y	9. Date 10. Sar 11. Dat	nod of Sampling of sampling inple receipt in lab the of Analysis inple Analyzed By	As per Standard Method 12/10/2023 13/10/2023 14/10/2023 - 20/10/2023 Ms Shivani Chaturvedi
SI.	Parameters	Unit	Reference	Result	BIS St	tandard IS 10500: 2012
No.	2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		Method*		Requirement (Acceptable limit)	Permissible limit in the absence of alternate source
1.	Vanadium as V	mg/l	APHA 3111-V-B	< 0.02	-	-

^{*}As per APHA/AWWA; 22nd Ed. (2012) ** NR= No relaxation,

Note: It is recommended that the acceptable limit is to be implemented. Values in excess of those mentioned under 'acceptable' render the water not suitable, but still may be tolerated in the absence of an alternative source but up to the limits indicated under 'permissible' limit in the absence of alternative source above which the sources will have to be rejected.

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5. No deviation as per the Standard Method.

Authorized Signatory

(Dr. Divya Misra) **Managing Director**

Longitude

"End of this Test Report"



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Test Report for Borewell Water Quality



ULR-TC824123000001685

Repo	ort No.		Lab R	teference No	0.	Issue Date
PCS/BWQ/15/2023 PCS/IF				FCO/03/202	23	25/10/2023
1.	Name & Address of Industry M/s Indian Farmers Fertilizer C				Limited Phulpur Unit,	Allahabad.
2.	Type of Industry	Fert	lizer	8. Meth	nod of Sampling	As per Standard Method
3.	Sample Collected by	Mr	Vipin & Mr Sunil	9. Date	of sampling	12/10/2023
4.	Sampling Location	Bor	ewell-15	10. San	ple receipt in lab	13/10/2023
5.	Weather Condition	Clea	r Sky	11. Dat	e of Analysis	14/10/2023 - 20/10/2023
6.			23/187/1201	12. San	iple Analyzed By	Ms Shivani Chaturvedi
	Quantity of Sample	2 lite	er			
SI.	Parameters	Unit	Reference	Result	BIS St	tandard IS 10500: 2012
No.	0.		Method*		Requirement (Acceptable limit)	Permissible limit in the absence of alternate source
1.	рН	-	APHA 4500H+ B	7.65	6.5 - 8.5	NR**
2.	Conductivity	μmhos/cm	APHA 2510-B	1030		
3.	Turbidity	NTU	APHA 2130 B	0.19	1	5
4.	TDS	mg/l	APHA 2540 C	625	500	2000
5.	Hardness as CaCO ₃	mg/I	APHA 2340 C	308	200	600
6.	Alkalinity as CaCO3	mg/I	APHA 2320 B	370	200	600
7.	Chloride as Cl	mg/l	APHA 4500-Cl,B	53.0	250	1000
8.	Sulphate as SO ₄	mg/l	APHA 4500-SO ₄ ,E	59.0	200	400
9.	Nitrate as NO ₃	mg/l	APHA 4500-NO ₃ ,E	2.52	45	NR**
10.	Calcium as Ca	mg/l	APHA 3500-Ca,B	46.0	75	200
11.	Magnesium as Mg	mg/l	APHA 3500-Mg,B	46.9	30	100
12.	Sodium as Na	mg/l	APHA 3500-Na,B	90.0	•	-
13.	Potassium as K	mg/l	APHA 3500-K,B	<10.0	-	_

< 0.05

32.10

< 0.05

< 0.3

< 0.02

< 0.01

0.041

< 0.02

0.05

0.05

0.3

0.02

0.01

5

0.1

*As per APHA/AWWA; 22nd Ed. (2012) ** NR= No relaxation,

Copper as Cu

Iron as Fe

Nickel as Ni

Lead as Pb

Zinc as Zn

Chromium as Cr

Manganese as Mn

15

16

17

18

19

20.

21.

Note:

Dissolved Silica(SiO₂)

Note. It is recommended that the acceptable limit is to be implemented. Values in excess of those mentioned under 'acceptable' render the water not suitable, but still may be tolerated in the absence of an alternative source but up to the limits indicated under 'permissible' limit in the absence of alternative source above which the sources will have to be rejected,

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mg/l

mg/l

mg/l

mg/l

mg/l

mg/l

mg/l

mg/l

4. Prakriti Consultants Services is not regulatory agency hence no part of this report should be used for legal purpose under any circumstances.

APHA 3111-Cu, B

APHA 4500-Si-C

APHA 3111-Cr, B

APHA 3111-Fe,B

APHA 3111-Ni, B

APHA 3111-Pb,B

APHA 3111-Zn, D

APHA 3111-Mn,B

5. No deviation as per the Standard Method.

Authorized Signatory

1.5

NR**

NR** NR**

NR**

15

0.3

(Dr. Divya Misra) **Managing Director**

Page 1 of 2

"End of this Test Report"



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Requirement

(Acceptable limit)

	Te	est Report for Bo	rewell Water (Quality	
Report No.		Lab	Reference No.		Issue Date
PCS/BWQ/15(a)/2023		PCS/J	FFCO/03/2023		25/10/2023
1. Name & Address of Indu	stry M/s Ind	ian Farmers Fertilizer	Cooperative Limit	ted Phulpur Unit,	Allahabad.
 Type of Industry Sample Collected by Sampling Location Weather Condition Lab Code Quantity of Sample 	Borewe Clear Sl	in & Mr Sunil ell-15	11. Date of	ampling receipt in lab	As per Standard Method 12/10/2023 13/10/2023 14/10/2023- 20/10/2023 Ms Shivani Chaturvedi
Sl. Parameters	Unit	Reference	Result	BISS	tandard IS 10500: 2012

Vanadium as V *As per APHA/AWWA; 22nd Ed. (2012) ** NR= No relaxation,

No.

< 0.02

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mg/l

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APHA 3111-V-B

Method*

5. No deviation as per the Standard Method.

Authorized Signatory

Permissible limit in the

absence of alternate source

(Dr. Divya Misra) **Managing Director**

"End of this Test Report"

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Test Report for Borewell Water Quality



ULR-TC824123000001686

Report No. Lab Re					0.	Issue Date	
PCS/	BWQ/16/2023		PCS	/IFFCO/03/202	23	25/10/2023	
1.	Name & Address of Indu	istry N	1/s Indian Farmers Fertiliz	er Cooperative	Limited Phulpur Unit,	Allahabad.	
2.	Type of Industry	F	ertilizer	8. Meth	od of Sampling	As per Standard Method	
3.	Sample Collected by	N	Ar Vipin & Mr Sunil	9. Date	of sampling	12/10/2023	
4.	Sampling Location	E	Borewell-16		nple receipt in lab	13/10/2023	
5.	Weather Condition	(lear Sky	11. Dat	e of Analysis	14/10/2023- 20/10/2023	
10.00	6. Lab Code		CS23/187/1202	12. San	nple Analyzed By	Ms Shivani Chaturvedi	
7.	Quantity of Sample	2	liter	ter			
SI.	Parameters	Unit	Reference	Result	BIS Standard IS 10500: 2012		
No.	No.		Method*		Requirement (Acceptable limit)	Permissible limit in the absence of alternate source	
1.	рН	-	APHA 4500H+ B	7.20	6.5 - 8.5	NR**	
2.	Conductivity	μmhos	/cm APHA 2510-B	1070			
3.	Turbidity	NTU	APHA 2130 B	0.18	1	5	
4.	TDS	mg/	1 APHA 2540 C	645	500	2000	
5.	Hardness as CaCO ₃	mg/	I APHA 2340 C	351	200	600	
6.	Alkalinity as CaCO ₃	mg/	1 APHA 2320 B	420	200	600	
7.	Chloride as Cl	mg/	I APHA 4500-Cl,B	75.4	250	1000	
8.	Sulphate as SO ₄	mg/	1 APHA 4500-SO ₄ ,E	78.0	200	400	
9.	Nitrate as NO ₃	mg/	1 APHA 4500-NO ₃ ,E	2.16	45	NR**	
10.	Calcium as Ca	mg/	l APHA 3500-Ca,B	56.0	75	200	
11.	Magnesium as Mg	mg/	I APHA 3500-Mg,B	51.3	30	100	
12.	Sodium as Na	mg/	l APHA 3500-Na,B	118.0	-	2	
4.00	D		1 DIEL 0500 II D	10.0			

<10.0

< 0.05

33.5

< 0.05

< 0.3

< 0.02

< 0.01

0.042

< 0.02

0.05

0.05

0.3

0.02

0.01

5

0.1

13.

14.

15.

16

17.

18.

19.

20.

21.

Potassium as K

Chromium as Cr

Manganese as Mn

Dissolved Silica(SiO2)

Copper as Cu

Iron as Fe

Nickel as Ni

Lead as Pb

Zinc as Zn

*As per APHA/AWWA; 22nd Ed. (2012) ** NR= No relaxation,
Note: It is recommended that the acceptable limit is to be implemented. Values in excess of those mentioned under 'acceptable' render the water not suitable, but still may be tolerated in the absence of an alternative source but up to the limits indicated under 'permissible' limit in the absence of alternative source above which the sources will have to be rejected.

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mg/l

mg/l

mg/l

mg/l

mg/l

mg/l

mg/l

mg/l

mg/l

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APHA 3500-K,B

APHA 3111-Cu, B

APHA 4500-Si-C

APHA 3111-Cr, B

APHA 3111-Fe,B

APHA 3111-Ni, B

APHA 3111-Pb,B

APHA 3111-Zn, D

APHA 3111-Mn,B

5. No deviation as per the Standard Method.

Authorized Signatory

1.5

NR**

NR**

NR**

15

0.3

NR**

(Dr. Divya Misra) **Managing Director**

"End of this Test Report"



An Approved Laboratory From MoEF - CC & Uttar Pradesh Pollution Control Board

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E-mail: prakriti_md@rediffmail.com

Tel: 0522- 4002545, Mobile: 09415518818,

GSTIN: - 09AAJFP5925G1ZY

	Те	st Report for Bo	rewell Wat	ter Quality	
Report No.		Lab	Reference No).	Issue Date
PCS/BWQ/16(a)/2023		PCS/IFFCO/03/2023			25/10/2023
1. Name & Address of Industry	M/s Indi	an Farmers Fertilizer	Cooperative	Limited Phulpur Unit,	Allahabad.
 Type of Industry Sample Collected by Sampling Location Weather Condition Lab Code Quantity of Sample 	Fertilize Mr Vipi Borewe Clear Sk	r n & Mr Sunil I I-16	8. Meti 9. Date 10. Sar 11. Da	hod of Sampling e of sampling mple receipt in lab te of Analysis mple Analyzed By	As per Standard Method 12/10/2023 13/10/2023 14/10/2023- 20/10/2023 Ms Shivani Chaturvedi
SI. Parameters No.	Unit	Reference Method*	Result	Requirement (Acceptable limit)	Permissible limit in the

^{*}As per APHA/AWWA; 22nd Ed. (2012) ** NR= No relaxation,

Vanadium as V

Note: It is recommended that the acceptable limit is to be implemented. Values in excess of those mentioned under 'acceptable' render the water not suitable, but still may be tolerated in the absence of an alternative source but up to the limits indicated under 'permissible' limit in the absence of alternative source above which the sources will have to be rejected.

< 0.02

Notes 1 The

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mg/l

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APHA 3111-V-B

5. No deviation as per the Standard Method.

Authorized Signatory

(Dr. Divya Misra)

Managing Director

"End of this Test Report"



An Approved Laboratory From MoEF - CC & Uttar Pradesh Pollution Control Board (An ISO 14001:2015, ISO 9001-2015 and ISO 45001:2018 Certified Organization) Address: 12, Vishnapuri, Church Road, Aliganj, Lucknow-226024 E-mail: prakriti_md@rediffmail.com Tel: 0522-4002545, Mobile: 09415518818, GSTIN: - 09AAJFP5925G1ZY

Test Report for Borewell Water Quality

ULR-TC824123000001687

Rep	ort No.		Lab	Reference No).	Issue Date
PCS	/BWQ/17/2023		PCS	/IFFCO/03/202	23	25/10/2023
1.	Name & Address of Industry	M/s	Indian Farmers Fertiliz	er Cooperative	Limited Phulpur Uni	t, Allahabad.
2.	Type of Industry	Fert	ilizer	8. Meth	od of Sampling	As per Standard Method
3.	Sample Collected by	Mr	Mr Vipin & Mr Sunil		of sampling	12/10/2023
4.	Sampling Location	Bor	ewell-17	10. San	ple receipt in lab	13/10/2023
5.	Weather Condition	Clea	ır Sky	11. Dat	e of Analysis	14/10/2023 - 20/10/2023
6.	Lab Code	PCS	23/187/1203	12. San	iple Analyzed By	Ms Shivani Chaturvedi
7.	Quantity of Sample	2 lit	er		(I) (I) (I)	
SI.	Parameters	Unit	Reference	Result	BIS	Standard IS 10500: 2012
No.			Method*		Requirement	Permissible limit in the

	Lab Code Quantity of Sample	PCS2 2 lite	23/187/1203	12. Sam	iple Analyzed By	Ms Shivani Chaturvedi
Sl.	Parameters	Unit Reference	Result	BIS Standard IS 10500: 2012		
No.			Method*		Requirement (Acceptable limit)	Permissible limit in the absence of alternate source
1.	рН		APHA 4500H+ B	7.40	6.5 - 8.5	NR**
2.	Conductivity	μmhos/cm	APHA 2510-B	1686		
3.	Turbidity	NTU	APHA 2130 B	0.22	1	5
4.	TDS	mg/l	APHA 2540 C	1020	500	2000
5.	Hardness as CaCO ₃	mg/l	APHA 2340 C	414	200	600
6.	Alkalinity as CaCO ₃	mg/l	APHA 2320 B	410	200	600
7.	Chloride as Cl	mg/l	APHA 4500-Cl,B	185	250	1000
8.	Sulphate as SO ₄	mg/l	APHA 4500-SO ₄ ,E	118	200	400
9.	Nitrate as NO ₃	mg/l	APHA 4500-NO ₃ ,E	3.76	45	NR**
10.	Calcium as Ca	mg/l	APHA 3500-Ca,B	68.8	75	200
11.	Magnesium as Mg	mg/l	APHA 3500-Mg,B	58.8	30	100
12.	Sodium as Na	mg/l	APHA 3500-Na,B	180	-	.=
13.	Potassium as K	mg/l	APHA 3500-K,B	<10.0		=
14.	Copper as Cu	mg/l	APHA 3111-Cu, B	< 0.05	0.05	1.5
15.	Dissolved Silica(SiO ₂)	mg/l	APHA 4500-Si-C	29.7	, a	-
16.	Chromium as Cr	mg/l	APHA 3111-Cr, B	< 0.05	0.05	NR**
17.	Iron as Fe	mg/l	APHA 3111-Fe,B	< 0.3	0.3	NR**
18.	Nickel as Ni	mg/l	APHA 3111-Ni, B	< 0.02	0.02	NR**
19.	Lead as Pb	mg/l	APHA 3111-Pb,B	< 0.01	0.01	NR**
20.	Zinc as Zn	mg/l	APHA 3111-Zn, D	0.044	5	15
21.	Manganese as Mn	mg/l	APHA 3111-Mn,B	< 0.02	0.1	0.3

^{*}As per APHA/AWWA; 22nd Ed. (2012) ** NR= No relaxation,

Note: It is recommended that the acceptable limit is to be implemented. Values in excess of those mentioned under 'acceptable' render the water not suitable, but still may be tolerated in the absence of an alternative source but up to the limits indicated under 'permissible' limit in the absence of alternative source above which the sources will have to be rejected.

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5. No deviation as per the Standard Method.

Authorized Signatory

(Dr. Divya Misra) **Managing Director**

Page 1 of 2

"End of this Test Report"



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	Test Report for Bo	orewell Water Quality	
Report No.	Lab	Reference No.	Issue Date
PCS/BWQ/17(a)/2023	PCS	/IFFCO/03/2023	25/10/2023
1. Name & Address of Industry	M/s Indian Farmers Fertilize	r Cooperative Limited Phulpur Unit,	Allahabad.
2. Type of Industry	Fertilizer	8. Method of Sampling	As per Standard Method
3. Sample Collected by	Mr Vipin & Mr Sunil	Date of sampling	12/10/2023
4. Sampling Location	Borewell-17	10. Sample receipt in lab	13/10/2023
5. Weather Condition	Clear Sky	11. Date of Analysis	14/10/2023- 20/10/2023
6 Lab Code	PCS23/187/1203	12. Sample Analyzed By	Ms Shiyani Chaturyedi

7. (Quantity of Sample	2 liter					
SI.	Parameters	Unit	Reference	Result	BIS Standard IS 10500: 2012		
No.			Method*		Requirement (Acceptable limit)	Permissible limit in the absence of alternate source	
1.	Vanadium as V	mg/l	APHA 3111-V-B	< 0.02	-	-	

*As per APHA/AWWA; 22nd Ed. (2012) ** NR= No relaxation,

Note: It is recommended that the acceptable limit is to be implemented. Values in excess of those mentioned under 'acceptable' render the water not suitable, but still may be tolerated in the absence of an alternative source but up to the limits indicated under 'permissible' limit in the absence of alternative source above which the sources will have to be rejected.

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Test Report for Borewell Water Quality



ULR-TC824123000001688

Repo	ort No.		Lab R	deference No).	Issue Dat
PCS/	BWQ/18/2023		PCS/IF	FCO/03/202	23	25/10/202
1.	Name & Address of Indu	stry M/s	Indian Farmers Fertilizer	Cooperative	Limited Phulpur Unit,	Allahabad.
2.	Type of Industry	Ferti	lizer		od of Sampling	As per Standard Method
	Sample Collected by	Mr V	ipin & Mr Sunil		of sampling	12/10/2023
	Sampling Location	Bore	ewell-18		nple receipt in lab	13/10/2023
	Weather Condition	25-52-7-23	r Sky		e of Analysis	14/10/2023 - 20/10/2023
33 3	Lab Code		23/187/1204	12. San	nple Analyzed By	Ms Shivani Chaturvedi
	Quantity of Sample	2 lite	Ť			
SI.	Parameters	Unit	Reference	Result		tandard IS 10500: 2012
No.	0.		Method*		Requirement	Permissible limit in the
					(Acceptable limit)	absence of alternate source
1.	pH	-	APHA 4500H+ B	7.70	6.5 - 8.5	NR**
2.	Conductivity	μmhos/cm	APHA 2510-B	840		
3.	Turbidity	NTU	APHA 2130 B	0.20	1	5
4.	TDS	mg/l	APHA 2540 C	506	500	2000
5.	Hardness as CaCO ₃	mg/l	APHA 2340 C	302	200	600
6.	Alkalinity as CaCO ₃	mg/l	APHA 2320 B	398	200	600
7.	Chloride as Cl	mg/l	APHA 4500-Cl,B	45.0	250	1000
8.	Sulphate as SO ₄	mg/l	APHA 4500-SO ₄ ,E	39.0	200	400
9.	Nitrate as NO ₃	mg/l	APHA 4500-NO ₃ ,E	2.17	45	NR**
10.	Calcium as Ca	mg/l	APHA 3500-Ca,B	47.6	75	200
11.	Magnesium as Mg	mg/l	APHA 3500-Mg,B	44.5	30	100
12.	Sodium as Na	mg/l	APHA 3500-Na,B	94.0	*	.*
13.	Potassium as K	mg/l	APHA 3500-K,B	<10.0	-	
					100000000000000000000000000000000000000	197 - 50 -

< 0.05

30.10

< 0.05

< 0.3

< 0.02

< 0.01

0.036

< 0.02

0.05

0.05

0.3

0.02

0.01

5

0.1

mg/lManganese as Mn *As per APHA/AWWA; 22nd Ed. (2012) ** NR= No relaxation,

Copper as Cu

Iron as Fe

Nickel as Ni

Lead as Pb

Zinc as Zn

Chromium as Cr

Dissolved Silica(SiO2)

14.

15.

16.

17.

18.

19.

20.

21.

Note: It is recommended that the acceptable limit is to be implemented. Values in excess of those mentioned under 'acceptable' render the water not suitable, but still may be tolerated in the absence of an alternative source but up to the limits indicated under 'permissible' limit in the absence of alternative source above which the sources will have to be rejected.

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mg/l

mg/l

mg/l

mg/l

mg/l

mg/l

mg/l

4. Prakriti Consultants Services is not regulatory agency hence no part of this report should be used for legal purpose under any circumstances.

APHA 3111-Cu, B

APHA 4500-Si-C

APHA 3111-Cr, B

APHA 3111-Fe,B

APHA 3111-Ni, B

APHA 3111-Pb,B

APHA 3111-Zn, D

APHA 3111-Mn,B

5. No deviation as per the Standard Method.

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1.5

NR**

NR**

NR**

15

0.3

NR**

Lagher (Dr. Divya Misra) Managing Director

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Test Report for Borewell Water Quality						
Repo	rt No.		Lab Ref	Issue Date		
_	BWQ/18(a)/2023		PCS/IFFCO/03/2023			25/10/2023
	. Name & Address of Industry M/s Indian Farmers Fertilizer Cooperative Limited Phulpur Unit, Allahabad.					
 Type of Industry Sample Collected by Sampling Location Weather Condition Lab Code Quantity of Sample 		Mr Vipin Borewell Clear Sky	Fertilizer Mr Vipin & Mr Sunil Borewell-18 Clear Sky PCS23/187/1204 2 liter		nod of Sampling of sampling inple receipt in lab the of Analysis inple Analyzed By	As per Standard Method 12/10/2023 13/10/2023 14/10/2023- 20/10/2023 Ms Shivani Chaturvedi
SI.		Unit	Reference	Result	BIS Standard IS 10500: 2012	
No.			Method*		Requirement (Acceptable limit)	Permissible limit in the absence of alternate source
1.	Vanadium as V	mg/l	APHA 3111-V-B	< 0.02	+	-

^{*}As per APHA/AWWA; 22nd Ed. (2012) ** NR= No relaxation,

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(Dr. Divya Misra) **Managing Director**

by the train

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