

o/c

MATIX
FERTILISERS

Ref.: MFCL (Phase II)/EHS/Env/2025-26/02

28th May, 2026

The IGF& Incharge
Ministry of Environment, Forests and Climate Change
Integrated Regional Office, Kolkata
1 B-198, Bidhan Nagar
Sector III, Kolkata -700106

Subject: Submission of Half-Yearly Environmental Clearance (EC) Compliance Report (Phase-II) for the period of October 2025 to March 2026.

Reference: MoEF&CC File No: J-11011/ 488/ 2011-IA II (I) dated 22nd February 2017.

Dear Sir,

This is with reference to the Environmental Clearance issued vide File No. J-11011/488/2011-IA II (I) dated 22nd February 2017.

Please find enclosed herewith the Half-Yearly Compliance Report along with relevant annexures for the period from October 2025 to March 2026 for your kind perusal.

We trust that the information furnished is in order and request you to kindly take the same on record.

Thanking you and with regards,

Yours faithfully,
For M/s Matix Fertilisers & Chemicals Limited

Mahesh

Mahesh Debnath
(DGM - EHS)



Enclosure: As above

- Copy to:**
1. Member Secretary, West Bengal Pollution Control Board, 10A, Broadway Rd, LA Block, Sector 3, Bidhannagar, Kolkata, West Bengal-700106.
 2. Zonal Officer, Zonal Office Kolkata, Central Pollution Control Board, Kasba New Market, Sector E, East Kolkata Township, Kolkata, West Bengal - 700107
 3. Regional Officer, West Bengal Pollution Control Board, Durgapur Regional Office, Shahid Khudiram Sarani, City Center, Durgapur, West Bengal - 713216.

Matix Fertilisers and Chemicals Limited

Corporate Office:

Peopals Chambers, 8 Wing, 5th Floor
D/A B Road, Worli, Mumbai 400 018, India
T: +91 22 61167000 E: info@matixgrp.com
CIN: U24120WB2009PLC153272

Registered Office:

Panagarh Industrial Park, Panagarh
Purba Bardhaman, West Bengal 713148
India. T: +91 343 3502044/2061

www.matixgroup.com

Reference: MoEF&CC File No: J- 11011/ 488/ 2011- IA II (I) dated 22nd February 2017

Compliance Period: 1st October 2025 – 31st March 2026

S.NO	CONDITIONS	COMPLIANCE STATUS
SPECIFIC CONDITIONS		
(i)	All the conditions stipulated in environmental clearance J-11011 / 1440 / 2009-IAII (I) dated 22 nd April, 2010 accorded for the existing projects shall be implemented.	All the conditions stipulated in the environmental clearance J-11011 / 1440 / 2009-IAII (I) dated 22 nd April, 2010, along with its subsequent amendments, are being fully complied with. The six-monthly compliance status is regularly submitted to the MoEF&CC, with the latest report submitted on 27.11.2025, via letter no. MFCL (Phase II)/EHS/Env/2025-26/01
(ii)	The proposed expansion related work will start only after getting the necessary water withdrawal permission from Damodar Valley Reservoir Regulation Committee (DVRRC).	Expansion-related activities pertaining to Environmental Clearance (EC) have not commenced, as the execution of our Phase-I project experienced delays, followed by additional setbacks due to the COVID-19 pandemic. We now have consent from the Damodar Valley Reservoir Regulation Committee (DVRRC) for the necessary water withdrawal.
(iii)	The gaseous emissions (SO ₂ , NO _x , NH ₃ , HC and Urea dust) and particulate matter from various process units shall conform to the norms prescribed by the CPCB/SPCB from time to time. At no time, the emission levels shall go beyond the prescribed standards. In the event of failure of any pollution control system adopted by the unit, the respective unit shall not be restarted until the control measures are rectified to achieve the desired efficiency. Stack emissions shall be monitored regularly control system (s) adopted by the unit, the respective unit shall not be restarted until the control measures are rectified to achieve the desired efficiency.	Agreed and will be complied as stipulated.
(iv)	Adequate stack height shall be provided to Ammonia plant reformer, Heat recovery steam generator (HRSG), NG/ RLNG fired gas turbine and Prilling Tower. Low NO _x burners shall be provided to control NO _x emissions	Agreed and will be complied as stipulated. Adequate stack height and the provision of low NO _x burners will be incorporated into the design of the stack for the ammonia plant reformer, heat recovery steam generator (HRSG), NG/RLNG-fired gas turbine, and prilling tower to control NO _x emissions.
(v)	In Urea Plant, particulate emissions shall not exceed 50 mg/Nm ³ . Monitoring of Prilling Tower shall be carried out as per CPCB guidelines.	Particulate emissions from the Urea prilling tower will be maintained below 50 mg/Nm ³ , and monitoring will be conducted in accordance with CPCB guidelines.
(vi)	Ambient air quality data shall be collected as per NAAQS standards notified by the Ministry vide G.S.R. No. 826(E) dated 16th September, 2009. The levels of PM ₁₀ (Urea dust), SO ₂ , NO _x , Ammonia, Ozone and HC shall be monitored in the ambient air and displayed at a convenient location near the main gate of the company and	<ul style="list-style-type: none"> Ambient air quality data are being collected at the project site in accordance with NAAQS standards. An online Continuous Ambient Air Quality Monitoring System (CAAQMS), equipped with analyzers for PM₁₀, PM_{2.5}, SO_x, NO₂, ammonia, ozone, and Total hydrocarbons, being installed and functioning.



Reference: MoEF&CC File No: J- 11011/ 488/ 2011- IA II (I) dated 22nd February 2017

Compliance Period: 1st October 2025 – 31st March 2026

S.NO	CONDITIONS	COMPLIANCE STATUS
	at important public places. The company shall upload the results of monitored data on its website and shall update the same periodically. It shall simultaneously be sent to the Regional office of MOEF, the Respective Zonal office of CPCB and the WB State Pollution Control Board (WBSPCB).	<ul style="list-style-type: none"> • Arrangements have been made to display the online CAAQMS data at the factory's main gate entrance. • Manual AAQ stations at specified locations operated and samples being collected, as per schedule. The concentration of the parameters is being analyzed regularly by our in-house quality assurance team. • Results of monitored data are being uploaded to the company website. The same is being updated periodically. <p>The environmental monitoring report is submitted every six months to the regional office of MoEF&CC, the respective zonal office of CPCB, and the WB State Pollution Control Board. The most recent report was submitted on 27.11.2025, via letter no. MFCL (Phase II)/EHS/Env/2025-26/01</p>
(vii)	In plant control measures for checking fugitive emissions from all the vulnerable sources shall be provided. Fugitive emissions shall be controlled by providing closed storage, closed handling & conveyance of chemicals/materials, multi cyclone separator and water sprinkling system. Fugitive emissions in the work zone environment, product, raw materials storage area etc. shall be regularly monitored. The emissions should conform to the limits stipulated by the WBPCB.	<p>Being complied at site for our phase-I project and the same will be followed for phase-II project also.</p> <p>The required control measures for managing fugitive emissions are in place at the site for our Phase-I project, in full compliance with WBPCB limits. These measures, including closed storage, closed handling and conveyance of chemicals/materials, multi-cyclone separators, and a water sprinkling system, are being actively maintained. Similar controls will be implemented for the Phase-II project as well.</p>
(viii)	The gaseous emissions from DG set shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution.	Agreed and will be complied as stipulated.
(ix)	Fresh water requirement from River Damodar should not exceed 66240 m ³ /day after expansion and prior permission shall be obtained from concerned Authority and a copy submitted to the Ministry's Regional Office at Bhubaneswar. No ground water shall be used.	<p>Agreed and will be complied as stipulated.</p> <p>We will obtain prior permission from the Damodar Valley River Regulation Committee (DVRRC) for the withdrawal of additional water, in accordance with the prescribed limit of 66,240 m³/day post-expansion. A copy of the permission will be submitted to the Ministry's Regional Office in Kolkata.</p> <p>Furthermore, groundwater will not use in the Phase-II expansion project as well.</p>
(x)	Industrial wastewater shall be treated in the ETP. As proposed, Urea plant process condensate shall be treated in a deep hydrolyser followed by stripping. Ammonia plant process condensate (APC) shall be stripped with steam followed by	<p>Agreed and will be complied as stipulated.</p> <p>The ETP scheme will be implemented as part of the project execution, and the prescribed parameters, including ammoniacal nitrogen, nitrate, fluoride, and pH,</p>

Reference: MoEF&CC File No: J- 11011/ 488/ 2011- IA II (I) dated 22nd February 2017

Compliance Period: 1st October 2025 – 31st March 2026


S.NO	CONDITIONS	COMPLIANCE STATUS
	activated carbon and demineralization. Treated condensate shall be recycled /reused in the process. Utilities wastewater shall be treated in the ETP and treated effluent shall be recycled/ reused. Treated effluent shall also be monitored for the parameters namely ammoniacal nitrogen, Nitrate, Fluoride, pH etc.	will be monitored and maintained in compliance with regulatory guidelines. As our system is a Urea Plant with no usage of fluoride in the process, we kindly request an exemption from monitoring fluoride levels.
(xi)	The effluent generation from the cooling tower, oily water and DM plant effluent shall not exceed 432 m ³ /hr. after expansion. All the effluents after treatment shall be routed through a properly lined guard pond/holding pond for equalization and final control. In the guard pond/holding pond, automatic monitoring system for flow, and relevant pollutants (i.e. pH, ammoniacal nitrogen, nitrate nitrogen etc.) shall be provided with high level alarm system	Agreed and will be complied as stipulated. The treatment scheme will be implemented during the project execution phase, ensuring that effluent generation from the cooling tower, oily water pits and DM plant effluent does not exceed 432 m ³ /Hr after expansion. Additionally, a properly lined guard pond/holding pond will be established for equalization and final control, equipped with an automatic monitoring system for flow and key pollutants (pH, ammoniacal nitrogen, nitrate nitrogen, etc.), along with a high-level alarm system.
(xii)	The treated effluent (432 m ³ /hr) shall be discharged into the River Damodar after conforming to the standards prescribed for the effluent discharge and after obtaining permission from the WBSPCB. No process effluent shall be discharged in and around the project site. Sewage shall be treated in STP and treated water shall be recycled/reused within factory premises to achieve zero discharge except rainy season.	Agreed and will be complied as stipulated. The treated effluent of 432 m ³ /Hr. will be discharged into the River Damodar only after meeting the prescribed discharge standards and securing WBPCB permission.
(xiii)	Regular monitoring of ground water by installing piezometric wells around the guard pond and sludge disposal sites shall be periodically monitored and report shall be submitted to the concerned Regional Office of the Ministry, CPCB and SPCB.	Complied. Groundwater monitoring is currently conducted from piezometer wells installed near the holding ponds. The monitoring results are summarized in Annexure – I for your reference.
(xiv)	The company shall construct the garland drain all around the project site to prevent runoff of any chemicals containing waste into the nearby water bodies. Effluent shall be properly treated and treated wastewater shall conform to CPCB standards.	Agreed and will be complied as stipulated. A garland drain will be constructed around the project site to prevent any chemical-laden runoff into nearby water bodies. Effluent will be treated appropriately, ensuring the treated wastewater conforms to CPCB standards.
(xv)	The company shall obtain Authorization for collection, storage and disposal of hazardous waste under the Hazardous Waste (Management, Handling and Trans-Boundary Movement) Rules, 2008 and amended as on date for management of Hazardous wastes. Measures shall be taken for firefighting facilities in case of emergency.	The company will obtain authorization from the WBPCB for the collection, storage and disposal of hazardous waste before commencing operations for the Expansion Project. Necessary firefighting facilities will also be implemented to address any emergencies.



Reference: MoEF&CC File No: J- 11011/ 488/ 2011- IA II (I) dated 22nd February 2017

Compliance Period: 1st October 2025 – 31st March 2026

S.NO	CONDITIONS	COMPLIANCE STATUS
(xvi)	Spent catalysts and used oil shall be sold to authorized recyclers/re processors only.	Agreed and will be complied as stipulated.
(xvii)	The Company shall strictly comply with the rules and guidelines under Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989 as amended time to time. All Transportation of Hazardous Chemicals shall be as per the Motor Vehicle Act (MVA), 1989.	Agreed and will be complied as stipulated.
(xviii)	The company shall strictly follow all the recommendations mentioned in the Charter on Corporate Responsibility for Environmental Protection	Agreed and will be complied as stipulated.
(xix)	As proposed, most of the raw materials shall be transported through RAIL.	Agreed and will be complied as stipulated. Raw material (CBM/NG) will be transported via pipeline.
(xx)	All the commitments made during the Public Hearing/Public Consultation meeting held on 2 nd July, 2013 shall be satisfactorily implemented and adequate budget provision shall be made accordingly	The public hearing for the expansion project was conducted on 8 th February 2013. All commitments made during this hearing will be implemented during project execution. Compliance with these commitments will be monitored and status updates will be communicated accordingly.
(xxi)	Remote operated valve placed on NH3 line to avoid leakage/equipment check shall be performed to ensure that remote operated valve (ROV) is all time is functional.	Agreed and will be complied as stipulated.
(xxii)	At least 5 % of the total cost of the project shall be earmarked towards the Enterprise Social Commitment (ESC) based on local needs and action plan with financial and physical breakup/ details shall be prepared and submitted to the Ministry's Regional Office at Bhopal Implementation of such program shall be ensured accordingly in a time bound manner.	Agreed and will be complied as stipulated.
(xxiii)	Occupational health surveillance of the workers should be done on a regular basis and records maintained as per the Factories Act.	Occupational health surveillance is being conducted for Phase-I employees, and this practice will be extended to Phase-II employees as well. Records are maintained in accordance with the Factories Act.
(xxiv)	As proposed, green belt over 33 % of the total project area shall be developed within plant premises with at least 10 meter wide green belt on all sides along the periphery of the project area, in downward direction, and along road sides etc. Selection of plant species shall be as per the CPCB guidelines in consultation with the DFO.	33% of the total project area, covering approximately 165 acres of land has been earmarked for greenbelt development. Plantation has already been carried out along the periphery and this activity is being continued. 15 types of species have been selected in accordance with CPCB guidelines and in consultation with the DFO, Durgapur.

	MATIX FERTILISERS AND CHEMICALS LTD [Expansion of Fertilizer Unit by Adding Ammonia (2530 MTPD) and Urea (4430 MTPD) and CPP (67 MW)] Panagarh, Dist. – Purba Burdwan, West Bengal	Report For PHASE - II
	Six-monthly Compliance Report of Environment Clearance	

Reference: MoEF&CC File No: J- 11011/ 488/ 2011- IA II (I) dated 22nd February 2017

Compliance Period: 1st October 2025 – 31st March 2026


S.NO	CONDITIONS	COMPLIANCE STATUS
		To further expand the greenbelt, around 1214 local saplings were planted between October'25 to March'26.
(xxv)	Provision shall be made for the housing for the construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile sewage treatment plant, safe drinking water, medical health care, creche etc. The housing may be in the form of a temporary structure to be removed after the completion of the project. All the construction waste shall be managed so that there is no impact on the surrounding environment.	Agreed and will be complied as stipulated. Necessary provisions will be made during project execution as per the requirement. Additionally, all construction waste will be managed to ensure there is no impact on the surrounding environment.
GENERAL CONDITIONS		
(i)	The project authorities must strictly adhere to the stipulations made by the West Bengal State Pollution Control Board (WBPCB), State Government and any other statutory authority.	Agreed and will be complied as stipulated. The stipulations made by the West Bengal State Pollution Control Board (WBPCB), State Government and any other statutory authority will be strictly adhered to and complied with as stipulated.
(ii)	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.	Agreed and will be complied as stipulated. No further expansion or modifications will be carried out without prior approval from the Ministry of Environment and Forests.
(iii)	The locations of ambient air quality monitoring stations shall be decided in consultation with the WBPCB and it shall be ensured that at least one station is installed in the upwind and downwind direction as well as where maximum ground level concentrations are anticipated.	Three Ambient Air Quality Monitoring Stations (AAQMS) have been established at the project site in consultation with WBSPCB. One station is located in the upwind direction and two stations are installed in the downwind direction. Regular monitoring is being carried out by our in-house laboratory team & external agency.
(iv)	The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (daytime) and 70 dBA (nighttime).	Agreed and will be complied as stipulated.
(v)	The Company shall harvest rainwater from the roof-tops of the buildings and storm water drains	Rainwater harvesting has already been implemented at the project site. All stormwater drains are connected to a



Reference: MoEF&CC File No: J- 11011/ 488/ 2011- IA II (I) dated 22nd February 2017

Compliance Period: 1st October 2025 – 31st March 2026

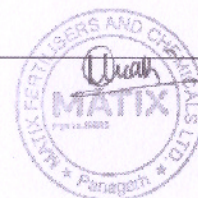
S.NO	CONDITIONS	COMPLIANCE STATUS
	to recharge the ground water and use the same water for the process activities of the project to conserve fresh water.	rainwater harvesting pond to collect the rainwater. The harvested rainwater is being effectively utilized as a raw water replacement in the existing processes, which helps minimize raw water consumption and contributes to the conservation of fresh water.
(vi)	During transfer of materials, spillages shall be avoided and garland drains be constructed to avoid mixing of accidental spillages with domestic wastewater and storm water drains.	Agreed and will ensure compliance with the stipulated requirements.
(vii)	Usage of Personnel Protection Equipment by all employees/ workers shall be ensured.	Agreed and will ensure compliance with the stipulated requirements.
(viii)	Training shall be imparted to all employees on safety and health aspects of chemicals handling. Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted	Agreed and will be complied as stipulated. Training on safety and health aspects is being regularly conducted for existing employees. Pre-employment and routine periodical medical examinations are also being carried out on regular basis. Additionally, specific training on chemical handling is provided to concerned employees. The Material Safety Data Sheets (MSDS) are displayed at all chemical handling locations for easy reference and compliance.
(ix)	The company shall also comply with all the environmental protection measures and safeguards proposed in the project report submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, risk mitigation measures and public hearing relating to the project shall be implemented.	Agreed and will ensure compliance with the stipulated requirements.
(x)	The company shall undertake CSR activities and all relevant measures for improving the socio-economic conditions of the surrounding area.	Agreed and will be complied as stipulated. The company shall undertake CSR activities after commencement of plant operations in line with applicable statutory provisions. However, the company has already initiated community development activities in the surrounding villages to contribute towards the socio-economic development of the area.
(xi)	The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment	Agreed and will be complied as stipulated.
(xii)	A separate Environmental Management Cell equipped with full-fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.	A separate, fully equipped Environmental Management Cell has been established at the site to oversee all environmental management and monitoring activities.


	MATIX FERTILISERS AND CHEMICALS LTD [Expansion of Fertilizer Unit by Adding Ammonia (2530 MTPD) and Urea (4430 MTPD) and CPP (67 MW)] Panagarh, Dist. – Purba Burdwan, West Bengal	Report For PHASE - II
	Six-monthly Compliance Report of Environment Clearance	

Reference: MoEF&CC File No: J- 11011/ 488/ 2011- IA II (I) dated 22nd February 2017

Compliance Period: 1st October 2025 – 31st March 2026

S.NO	CONDITIONS	COMPLIANCE STATUS
		Additionally, a comprehensive environmental laboratory with all requisite facilities has been set up to facilitate environmental monitoring.
(xiii)	The company shall earmark sufficient funds for recurring cost per annum to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so earmarked for environment management/ pollution control measures shall not be diverted for any other purpose.	We are following this practice and will continue to ensure compliance for Phase-II.
(xiv)	A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, Zila Parishad/Municipal Corporation, Urban local Body and the local NGO, if any, from who suggestions/ representations, if any, were received while processing the proposal.	<p>A copy of the clearance letter has been submitted to the following authorities via letter nos. MFCL/Env/Phase-II/MoEFCC/2017/01, 02 and 03 dated 21st March 2017.</p> <ul style="list-style-type: none"> • Pradhan, Kota Gram Panchayat • Sabhadhipati, Burdwan Zila Parishad • Block Development Officer, Ausgram-II Block
(xv)	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated Environmental Clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and the West Bengal State Pollution Control Board. A copy of Environmental Clearance and six-monthly compliance status reports shall be posted on the website of the company.	Agreed and will ensure compliance with this requirement once project activities are completed.
(xvi)	The environmental statement for each financial year ending 31 st March in Form-V as is mandated shall be submitted to the West Bengal State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the Bhubaneswar Regional Offices of MoEF by e-mail.	Agreed and shall be complied once the project activities are completed.
(xvii)	The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB/Committee and may also be seen at	Complied.




	MATIX FERTILISERS AND CHEMICALS LTD [Expansion of Fertilizer Unit by Adding Ammonia (2530 MTPD) and Urea (4430 MTPD) and CPP (67 MW)] Panagarh, Dist. – Purba Burdwan, West Bengal	Report For PHASE - II
	Six-monthly Compliance Report of Environment Clearance	

Reference: MoEF&CC File No: J- 11011/ 488/ 2011- IA II (I) dated 22nd February 2017

Compliance Period: 1st October 2025 – 31st March 2026

S.NO	CONDITIONS	COMPLIANCE STATUS
	Website of the Ministry at http:// envfor.nic.in . This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the concerned Regional Office of the Ministry.	
(xviii)	The project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.	Agreed and will ensure compliance with the stipulated requirements.
(xix)	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	Agreed.
(xx)	The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time-bound manner shall implement these conditions.	Agreed and will be complied as stipulated.
(xxi)	The above conditions will be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Water Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous Waste (Management, Handling and Trans-boundary Movement) Rules, 2008 and the Public Liability Insurance Act, 1991 along with their amendments and rules.	Agreed. We will obtain the Consent to Establish and Consent to Operate under the Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and the Hazardous Waste (Management, Handling and Trans-boundary Movement) Rules, 2008 from WBSPCB in due course, as per the requirements.



	Matix Fertilisers & Chemicals Ltd Panagarh	Document No:	MFCL/Env/EMF/04
		Date of Issued:	01/05/2025
		Issued No.:	01
	Ground Water Quality Monitoring Report	Revision No.:	00
		Revision Date:	00

Annexure- I

Sample collected from: Piezometric Wells

Samples analyzed by: In-house Env laboratory in QC

*Parameters data received from External 3rd party agency (NABL Accredited) reports

In-house Lab Report:

Dec'2025 (Post-Monsoon)					
Parameters	UoM	Well No. 1	Well No. 2	Well No. 3	Well No. 5
Depth of Water Level	M	0.71 M	1.87 M	1.80 M	5.07 M
*pH	--	7.59	7.28	7.35	7.72
*Conductivity	uS/cm	648.0	460.0	490.7	473.5
Total Hardness as CaCO ₃	mg/l	628.0	209.0	271.0	264.0
Ca Hardness as CaCO ₃	mg/l	389.0	131.0	165.0	169.0
Mg Hardness as CaCO ₃	mg/l	239.0	78.0	106.0	95.0
Total alkalinity as CaCO ₃	mg/l	206.0	96.0	200.0	186.0
*Chloride Cl ⁻	mg/l	28.0	35.0	35.0	32.0
Sulphate as SO ₄ ²⁻	mg/l	89.0	32.0	43.0	61.0
*Phosphate as PO ₄ ³⁻	mg/l	<0.03	<0.03	<0.03	<0.03
Sodium as Na ⁺	mg/l	36.0	12.0	22.0	20.0
Potassium as K ⁺	mg/l	1.2	8.0	1.7	2.4
Ammonia as NH ₃	mg/l	<1.0	<1.0	<1.0	<1.0
*Nitrate as NO ₃ ⁻	mg/l	10.5	7.48	5.83	2.20
*TDS	mg/l	376.0	266.0	288.0	274

