

मा० राष्ट्रीय हरित अधिकरण, नई दिल्ली द्वारा ओ०ए० नं० 617/2022 श्री पुष्पेन्दर बनाम उ०प्र० राज्य व अन्य में पारित आदेश दिनांक-22.05.2024 एवं दिनांक 15.01.2025 के क्रम में जिलाधिकारी, प्रयागराज के कार्यालय ज्ञाप संख्या जी०1427/एन०जी०टी०/ओ०ए० नं० 617/2022, दिनांक 06.02.2025 के द्वारा गठित संयुक्त जांच समिति की रिपोर्ट।

मा० राष्ट्रीय हरित अधिकरण, नई दिल्ली द्वारा ओ०ए० नं० 617/2022 श्री पुष्पेन्दर बनाम उ०प्र० राज्य व अन्य में दिनांक-22.05.2024 को आदेश पारित किया गया है, जिसके मुख्य अंश निम्नवत् है :-

".....83. In view of the above, we consider issuance of appropriate directions to be essential and accordingly issue the following directions:-

- i. CPCB, Integrated Regional Office, MoEF & CC and UPSPCB are directed to evolve an effective mechanism of monitoring compliance with EC/consent conditions stipulated to the projects for ensuring environmental friendly sustainable development.
- ii. Respondent no.4-PPGCL and respondent no. 5-UTCL being zero liquid discharge units are directed to ensure that treated industrial effluent and domestic sewage are used for industrial purposes/horticulture/plantation and are not discharged in storm water drain except during monsoon.
- iii. Respondent no. 2-UPSPCB is directed to undertake requisite study through subject experts to examine quality and fitness of ground water for use as drinking water, ascertain the causes of contamination of ground water, recommend remedial measures required to be taken and direct the concerned Authorities and the Project Proponents, as the case may be, to take the same.
- iv. Respondent no. 4-PPGCL is directed to ensure management and disposal of fly ash as per notifications issued by the MoEF & CC and guidelines issued by CPCB and UPSPCB.
- v. UPSPCB is directed to look into the aspect of requirement of installation of Dust Separation System and Dust Extraction system at additional points as recommended by the Joint Committee at the time of next inspection of PPGCL and UTCL and issue appropriate directions in this regard.
- vi. UPSPCB is directed to perform the ambient air monitoring at Berui village to ascertain the pollution level in referenced area and look into the cause if PM10 (ug/m³) in front of the house of the applicant, if the same is higher than PM10 (ug/m³) at other locations and suggest remedial measures, if any required.
- vii. The Divisional Forest Officer, Prayagraj is directed to verify the factual position as to whether respondents No. 4- PPGCL and 5-UTCL have developed green belt on 33 % of the project area which is stated to be measuring about 400 acres and 6.6 hectares respectively as mandated by EC and CTE/CTO consent




conditions and to submit report within one month specifying the deficiencies of green belt/plantation in terms of area, location, number and nature of species of trees and suggesting measures required to be taken by respondents No. 4-PPGCL and 5-UTCL for remedying deficiencies of green belt/plantation and the budget amount required for the same.

- viii. Respondents no. 4-PPGCL and 5-UTCL are directed to ensure that such deficiencies of green belt/plantation so mentioned in the report of the Divisional Forest Officer, Prayagraj are remedied so that requisite green belt/plantation of requisite width around the periphery of the plants and over 33 % of the project area is raised during forth coming monsoon season and to file compliance report in this regard within four months.
- ix. Respondent No. 4 PPGCL is directed to take over the responsibility of maintenance, operation, payment of electricity bills, regulation of quality of water to be supplied and other decisions in respect ROs installed by it under its Corporate Social Responsibility and meet the requisite expenses out of its CSR fund and to file separate compliance report in this regard within two months.

84. Reports as mentioned above be filed by e-mail at judicialngt@gov.in preferably in the form of searchable PDF/OCR Supported PDF and not in the form of Image PDF, before the Ld. Registrar General, National Green Tribunal, Principal Bench, New Delhi who may, if necessary, put up the matter before this Bench for further directions.

85. The application is disposed of with the directions as mentioned above while leaving the parties to bear their own costs....."

प्रश्नगत प्रकरण पर मा० अधिकरण में सुनवाई दिनांक 15.01.2025 को की गयी। मा० अधिकरण द्वारा निम्नवत् आदेश पारित किया गया है :-

.....5. The Registry is directed to issue notices to the respondents to show cause as to why appropriate action be not taken in terms of above mentioned provisions and also requiring them to file their reports 5 mentioning the steps taken in compliance with Judgment dated 22.05.2024.

6. List for further consideration 21.02.2025."

मा० राष्ट्रीय हरित अधिकरण, नई दिल्ली द्वारा ओ०ए०नं० 617/2022 श्री पुष्पेन्द्र बनाम उ०प्र० राज्य व अन्य में दिनांक-22.05.2024 एवं दिनांक 15.01.2025को पारित आदेश के क्रम में जिलाधिकारी, प्रयागराज के कार्यालय ज्ञाप संख्या जी०1427/एन०जी०टी०/ओ०ए० नं० 617/2022, दिनांक-06.02.2025 के द्वारा प्रश्नगत प्रकरण की जांच हेतु संयुक्त समिति गठित की गयी (संलग्नक-01)। जांच समिति में निम्नलिखित अधिकारी नामित किये गये हैं:-

1. उप जिलाधिकारी, बारा, प्रयागराज।
2. प्रभागीय निदेशक अथवा उप प्रभागीय वनाधिकारी, सामाजिक वानिकी वन प्रभाग, प्रयागराज।




3. श्री कौशल कुमार, सहायक पर्यावरण अभियन्ता, उ०प्र० प्रदूषण नियंत्रण बोर्ड, प्रयागराज।

मा०एन०जी०टी० द्वारा पारित आदेश दिनांक 22.05.2024 के अनुपालन में जिलाधिकारी, प्रयागराज द्वारा गठित संयुक्त जांच समिति के सदस्यों द्वारा दिनांक 13.02.2025 को स्थलीय निरीक्षण किया गया। निरीक्षण के समय निम्नलिखित तथ्य प्रकाश में आये :-

1. मा० राष्ट्रीय हरित अधिकरण, नई दिल्ली द्वारा ओ०ए० नं० 617/2022 श्री पुष्पेन्दर बनाम उ०प्र० राज्य व अन्य में पारित आदेश दिनांक-22.05.2024 के अनुपालन में क्षेत्रीय कार्यालय, उ०प्र० प्रदूषण नियंत्रण बोर्ड, प्रयागराज के पत्र संख्या जी०1304/एन०जी०टी० ओ०ए० नं० 617/2022/2025, दिनांक 03.01.2025 के द्वारा मेसर्स प्रयागराज पॉवर जनरेशन कम्पनी लिमिटेड, लोहगरा, बारा, प्रयागराज एवं मेसर्स अल्ट्राटेक सीमेन्ट लिमिटेड, लोहगरा, बारा, प्रयागराज में विकसित किये गये हरित पट्टिका का सत्यापन कार्य कराये जाने हेतु प्रभागीय निदेशक, सामाजिक वानिकी वन प्रभाग, प्रयागराज को पत्र प्रेषित किया गया (संलग्नक-02)।
2. मा० राष्ट्रीय हरित अधिकरण, नई दिल्ली द्वारा ओ०ए० नं० 617/2022 श्री पुष्पेन्दर बनाम उ०प्र० राज्य व अन्य में पारित आदेश दिनांक-22.05.2024 के अनुपालन में क्षेत्रीय कार्यालय, उ०प्र० प्रदूषण नियंत्रण बोर्ड, प्रयागराज के पत्र संख्या जी० 1410/एन०जी०टी० ओ०ए० नं० 617/2022/2025, दिनांक 01.02.2025 के द्वारा मेसर्स अल्ट्राटेक सीमेन्ट लिमिटेड, लोहगरा, बारा, प्रयागराज को ससमय मा० एन०जी०टी० में रिस्पांस रिपोर्ट दाखिल किये जाने एवं तथ्यात्मक रिपोर्ट क्षेत्रीय कार्यालय, उ०प्र० प्रदूषण नियंत्रण बोर्ड, प्रयागराज को 05 दिन के अन्दर प्रेषित किये जाने हेतु निर्देशित किया गया (संलग्नक-03)।
3. मेसर्स अल्ट्राटेक सीमेन्ट लिमिटेड, लोहगरा, बारा, प्रयागराज द्वारा अपने पत्र संख्या UTCL/BRCW/UPPCB/NGT/2025-2026/26, दिनांक 13.02.2025 के द्वारा रिपोर्ट उ०प्र० प्रदूषण नियंत्रण बोर्ड, प्रयागराज को प्रेषित किया गया है (संलग्नक-04)।
4. मा० राष्ट्रीय हरित अधिकरण, नई दिल्ली द्वारा ओ०ए० नं० 617/2022 श्री पुष्पेन्दर बनाम उ०प्र० राज्य व अन्य में पारित आदेश दिनांक-22.05.2024 के अनुपालन में क्षेत्रीय कार्यालय, उ०प्र० प्रदूषण नियंत्रण बोर्ड, प्रयागराज के पत्र संख्या जी० 1411/एन०जी०टी० ओ०ए० नं० 617/2022/2025, दिनांक 01.02.2025 के द्वारा मेसर्स प्रयागराज पॉवर जनरेशन कम्पनी लिमिटेड, लोहगरा, बारा, प्रयागराज को ससमय मा० एन०जी०टी० में रिस्पांस रिपोर्ट दाखिल किये जाने एवं तथ्यात्मक रिपोर्ट क्षेत्रीय कार्यालय, उ०प्र० प्रदूषण नियंत्रण बोर्ड, प्रयागराज को 05 दिन के अन्दर प्रेषित किये जाने हेतु निर्देशित किया गया (संलग्नक-05)।
5. मेसर्स प्रयागराज पॉवर जनरेशन कम्पनी लिमिटेड, लोहगरा, बारा, प्रयागराज द्वारा अपने पत्र संख्या PPGCL/Bara/ENV, दिनांक 04.02.2025 के द्वारा रिपोर्ट उ०प्र० प्रदूषण नियंत्रण बोर्ड, प्रयागराज को प्रेषित किया गया है (संलग्नक-06)।

6. मेसर्स प्रयागराज पॉवर जनरेशन कम्पनी लिमिटेड, लोहगरा, बारा, प्रयागराज का निरीक्षण:-

- (i) उक्त उद्योग एक थर्मल पावर प्लांट है। निरीक्षण के समय उद्योग उत्पादनरत पाया गया तथा श्री शरद मालवीय, इन्चार्जमेंट हेड उद्योग प्रतिनिधि के रूप में उपस्थित थे।
- (ii) उक्त उद्योग में कच्चे माल के रूप में पानी एवं कोयला का प्रयोग करके विद्युत का उत्पादन किया जाता है। इकाई की विद्युत उत्पादन क्षमता 1980 मेगावाट (3×660मेगावाट) की है।
- (iii) उद्योग को राज्य बोर्ड के पत्र संख्या 102087/UPPCB/Allahabad(LAB)/CTO/water/ALLAHABAD/2020, दिनांक 29.12.2020 के द्वारा सशर्त सहमति (जल) एवं पत्र

संख्या 102011/UPPCB/Allahabad(LAB)/CTO/air/ALLAHABAD/2020, दिनांक 29.12.2020 के द्वारा सशर्त सहमति (वायु) निर्गत किया गया है, जिनकी वैधता दिनांक 01.01.2021 से दिनांक 31.12.2025 तक है **(संलग्नक-07)**।

- (iv) उद्योग में 03 अदद ब्वायलर स्थापित है। प्रत्येक ब्वायलर की वाष्प जनन क्षमता 2095 टन प्रतिघंटा की है। ब्वायलर में ईंधन के रूप में कोयले का प्रयोग किया जाता है। ब्वायलर में ईंधन जलने के फलस्वरूप जनित गैसीय उत्सर्जन के नियंत्रण हेतु प्रत्येक ब्वायलर के साथ वायु प्रदूषण नियंत्रण संयंत्र के रूप में इलेक्ट्रोस्टैटिक प्रेसिपिटेटर (ई0एस0पी0) स्थापित है। प्रत्येक ई0एस0पी0 में 96 फील्ड हैं। ब्वायलर में ईंधन जलने के फलस्वरूप जनित गैसीय उत्सर्जन को वायुमण्डल में विसर्जित करने हेतु प्रत्येक ब्वायलर के साथ भू-तल से लगभग 275 मी0 ऊँची चिमनी स्थापित है।
- (v) ब्वायलर में ईंधन के रूप में कोयला जलने के फलस्वरूप जनित गैसीय उत्सर्जन में वायु प्रदूषणकारी अवयवों के सतत् अनुश्रवण हेतु प्रत्येक यूनिट के साथ आनलाईन कान्टीन्युअस इमीशन मानिट्रिंग सिस्टम (ओ0सी0ई0एम0एस0) स्थापित है, जो निरीक्षण के समय संचालित पाया गया। उद्योग द्वारा आनलाईन ईमीशन मानिट्रिंग सिस्टम की रिपोर्ट प्रस्तुत की गयी है, जो संलग्न है **(संलग्नक-08)**।
- (vi) उद्योग से जनित बाटम ऐश को स्लरी के रूप में ऐश डाईक में पाईप लाईन के माध्यम से ले जाया जाता है। उद्योग द्वारा दो ऐश डाईक स्थापित किया गया है।
- (vii) उक्त उद्योग में ड्राई फ्लाई ऐश के भण्डारण हेतु 50 हजार टन क्षमता के 02 अदद साइलो स्थापित है। उक्त साइलो से फ्लाई ऐश की आंशिक मात्रा को समीप में स्थित मेसर्स अल्ट्राटेक सीमेंट, लोहगरा, बारा, प्रयागराज को सीमेंट उत्पादन हेतु दिया जाता है तथा शेष मात्रा को अन्य सीमेंट उत्पादन करने वाली इकाईयों को क्लोज्ड बल्कर्स के माध्यम से ले जाया जाता है।
- (viii) उद्योग में उत्पादन प्रक्रिया के फलस्वरूप जनित उत्प्रवाह के शुद्धिकरण हेतु 1050 के0एल0डी0 क्षमता का उत्प्रवाह शुद्धिकरण संयंत्र स्थापित किया गया है, जिसके अन्तर्गत सेन्ट्रल मॉनीटरिंग बेसिन, क्लेरीफायर, क्लेरीफायर्ड वाटर स्टोरेज टैंक, ड्यूल मीडिया फिल्टर, अल्ट्रा फिल्ट्रेशन सिस्टम, एच0पी0 पम्प, आर0ओ0 पम्प, आर0ओ0 कार्टिज फिल्टर, आर0ओ0 स्किड आदि इकाईयां स्थापित हैं। निरीक्षण के समय ई0टी0पी0 की समस्त इकाईया संचालित पायी गयी। निरीक्षण के समय ई0टी0पी0 के आउटलेट से नमूने एकत्रण कर क्षेत्रीय कार्यालय, प्रयागराज की प्रयोगशाला में विश्लेषण हेतु जमा कराया गया है। विश्लेषण आख्या संलग्न है **(संलग्नक-09)**। संलग्न विश्लेषण आख्यानुसार ई0टी0पी0 के आउटलेट में जल प्रदूषणकारी प्राचालकों की मात्रा बोर्ड द्वारा निर्धारित मानकों के अनुरूप पायी गयी।
- (ix) उद्योग से जनित घरेलू बहिस्त्राव के शुद्धीकरण हेतु 400 के0एल0डी0 क्षमता का सीवेज ट्रीटमेन्ट प्लाण्ट स्थापित किया गया है, जिसके अन्तर्गत ऑयल एवं ग्रीस ट्रेप, इक्वालाईजेशन टैंक, एयरेशन टैंक, क्लेयरीफायर, क्लीयर वाटर टैंक, सैण्ड फिल्टर, कार्बन फिल्टर एवं ट्रीटेड वाटर स्टोरेज टैंक आदि इकाईयां स्थापित हैं। निरीक्षण के समय सीवेज ट्रीटमेन्ट प्लाण्ट की समस्त इकाईया संचालित पायी गयी। निरीक्षण के समय एस0टी0पी0 के आउटलेट से नमूने एकत्रण कर क्षेत्रीय कार्यालय, प्रयागराज की प्रयोगशाला में विश्लेषण हेतु जमा कराया गया है। विश्लेषण आख्या संलग्न है **(संलग्नक-10)**। संलग्न विश्लेषण आख्यानुसार एस0टी0पी0 के आउटलेट में जल प्रदूषणकारी प्राचालकों की मात्रा बोर्ड द्वारा निर्धारित मानकों के अनुरूप पायी गयी।
- (x) मेसर्स प्रयागराज पॉवर जनरेशन कम्पनी लिमिटेड, लोहगरा, बारा, प्रयागराज द्वारा अपने पत्र सं0 पीपीजीसीएल/बारा/इ0एन0वी0, दिनांक 04.02.2025 के माध्यम से सूचित किया गया है कि उत्प्रवाह शुद्धिकरण संयंत्र से शोधित उत्प्रवाह (परमिटेड) को कूलिंग टावर में मेकअप वाटर के रूप में प्रयोग किया जाता है तथा रिजेक्ट को ऐश हैंडलिंग प्लांट में




- बाटम ऐश में मिक्स कर ऐश स्लरी बनाने में प्रयोग किया जाता है। इसी प्रकार सीवेज ट्रीटमेन्ट प्लाण्ट से शोधित बहिस्राव को हार्टीकल्चर/गार्डनिंग में प्रयोग किया जाता है।
- (xi) उद्योग द्वारा परिवेशीय वायुगुणता के सतत अनुश्रवण हेतु विभिन्न दिशाओं में 03 अदद आन लाईन एम्बीएंट एयर क्वालिटी मानिट्रिंग स्टेशन स्थापित किया गया है, जो निरीक्षण के समय संचालित पाया गया। उक्त तीनों आनलाईन एम्बीएंट एयर क्वालिटी मानिट्रिंग स्टेशन पर वायु प्रदूषणकारी अवयवों की मात्रा केन्द्रीय प्रदूषण नियंत्रण बोर्ड द्वारा निर्धारित मानकों के अनुरूप पायी गयी। उद्योग द्वारा आनलाईन एम्बीएंट एयर क्वालिटी मानिट्रिंग स्टेशन की रिपोर्ट प्रस्तुत किया गया है, जो संलग्न है **(संलग्नक-11)**।
- (xii) उद्योग में कोल की आपूर्ति रैक के माध्यम से की जाती है। कोल के अनलोडिंग हेतु 04 अदद वैगन ट्रिपलर की स्थापना की गयी है। वैगन ट्रिपलर में वायु प्रदूषण के नियंत्रण हेतु कवर्ड शेड के साथ वाटर स्प्रीकलिंग सिस्टम की स्थापना की गयी है।
- (xiii) उद्योग में कोल क्रशिंग हेतु कोल क्रशर प्लाण्ट स्थापित है। कोल क्रशिंग हेतु उद्योग में 1600 टन/घण्टा क्षमता के 04 अदद कोल क्रशर को कवर्ड शेड के अंदर स्थापित किया गया है। प्रत्येक कोल क्रशर के साथ वायु प्रदूषण नियंत्रण व्यवस्था के रूप में बैग हाऊस के साथ भू-तल से लगभग 58 मीटर ऊँची कॉमन चिमनी की स्थापित है। प्रत्येक बैग हाऊस में 460 बैग्स स्थापित हैं। निरीक्षण के समय 02 कोल क्रशर संचालित पाये गये तथा इससे सम्बद्ध वायु प्रदूषण नियंत्रण व्यवस्था संचालित पायी गयी।
- (xiv) कोल हैंडलिंग प्लाण्ट से क्रस्ट कोल को ब्यायलर में फीड हेतु परिवहन किये जाने हेतु 02 सिरीज में कन्वेयर बेल्ट की स्थापना की गयी है। प्रत्येक कन्वेयर बेल्ट पर कुल 07 ट्रांसफर प्वाइण्ट्स हैं। इस प्रकार दोनों कन्वेयर बेल्ट के कुल 07 ट्रांसफर प्वाइण्ट्स पर दो सिरीज में कुल 14 बैग हाऊस स्थापित हैं।
- (xv) उद्योग से बॉटम ऐश को स्लरी बनाकर उद्योग परिसर में स्थापित ऐश डाईक के माध्यम से निस्तारित किया जाता है। उद्योग में 02 अदद ऐश डाईक स्थापित है, जिनका कुल क्षेत्रफल-72.9 हेक्टेयर है।
- (xvi) ऐश डाईक से डिकेन्टेड वाटर को ऐश वाटर रिसर्कुलेशन सिस्टम (AWRS) के माध्यम से बॉटम ऐश को ऐश स्लरी बनाने में प्रयोग किया जाता है।
- (xvii) कार्यालय उप प्रभागीय वनाधिकारी प्रयागराज सामाजिक वानिकी प्रभाग, प्रयागराज के पत्र संख्या 223/22-10 दिनांक प्रयागराज, दिनांक 14.02.2025 के अनुसार मेसर्स प्रयागराज पॉवर जनरेशन कम्पनी लिमिटेड, लोहगरा, बारा, प्रयागराज के परिसर में विभिन्न वर्षों में कराये गये पौधरोपण का विवरण निम्नवत् है **(संलग्नक-12)** :-

क्र०सं०	वर्ष	रोपित पौधों की संख्या	जीवित पौधों की संख्या	सफलता प्रतिशत
1	2011-12	17500	1500	88.6
2	2012-13	4411	3750	85.0
3	2013-14	91534	74143	81.0
4	2014-15	24113	20496	85.0
5	2015-16	8352	7016	84.0
6	2016-17	20090	17077	85.0
7	2017-18	44987	35990	80.0
8	2018-19	29458	24156	82.0
9	2019-20	33598	28390	84.5
10	2020-21	14500	12325	85.0
11	2021-22	25000	21625	86.5

12	2022-23	20526	17652	86.0
13	2023-24	14288	12859	90.0
14	2024-25	29088	27567	95.0
	कुल	377445	304546	80.69

7. मेसर्स अल्ट्राटेक सीमेन्ट लिमिटेड, लोहगरा, बारा, प्रयागराज का निरीक्षण:-

- (i) उक्त उद्योग एक सीमेन्ट ग्राइंडिंग इकाई है। निरीक्षण के समय श्री सुधीर शर्मा, यूनिट हेड एवं श्री दिनेश कुमार, सीनियर आफिसर इन्वायरमेंट उद्योग प्रतिनिधि के रूप में उपस्थित थे।
- (ii) निरीक्षण के समय उत्पादन कार्य बंद पाया गया। उद्योग द्वारा अपने पत्र दिनांक 13.02.2025 के माध्यम से अवगत कराया गया कि साइलो में पर्याप्त स्टॉक होने के कारण उत्पादन कार्य दिनांक 11.02.2025 के अपरान्ह 4:00 बजे से बंद है **(संलग्नक-13)**।
- (iii) उद्योग की उत्पादन क्षमता 04 मिलियन टन/वर्ष सीमेन्ट ग्राइंडिंग की है। उद्योग में कच्चे माल के रूप में क्लींकर, जिप्सम एवं फ्लाइं एश का प्रयोग किया जाता है।
- (iv) उद्योग को राज्य बोर्ड के पत्र संख्या 168342/UPPCB/Allahabad(UPPCBRO)/CTO/both/PRAYAGRAJ/2022, दिनांक 12.01.2023 के द्वारा सशर्त सहमति (जल एवं वायु) आदेश निर्गत किया गया है, जिसकी वैधता दिनांक 01.01.2023 से दिनांक-31.12.2027 तक है **(संलग्नक-14)**।
- (v) उद्योग द्वारा कच्चे माल के रूप में प्रयोग किये जाने वाले फ्लाइं एश की आपूर्ति निकटतम इकाई मेसर्स प्रयागराज पॉवर जनरेशन कम्पनी लिमिटेड, लोहगरा, बारा, प्रयागराज से की जाती है। उद्योग में फ्लाइं एश के भण्डारण हेतु 7,000 मीट्रिक टन क्षमता का साइलो स्थापित किया गया।
- (vi) उद्योग में जिप्सम के भण्डारण हेतु 10,000 मीट्रिक टन क्षमता का भण्डारण शेड स्थापित किया गया है। इसी प्रकार क्लींकर के भण्डारण हेतु 50,000 मीट्रिक टन क्षमता का साइलो स्थापित किया गया है।
- (vii) उद्योग में उत्पाद (सीमेन्ट) के भण्डारण हेतु 25,000 मीट्रिक टन क्षमता के 02 सीमेन्ट साइलो स्थापित किये गये हैं।
- (viii) उद्योग में क्लींकर एवं जिप्सम की आपूर्ति ट्रक एवं रैक के माध्यम से की जाती है। ट्रक के माध्यम से प्राप्त कच्चे माल की अनलोडिंग हेतु 02 अदद ट्रक ट्रिपलर की स्थापना की गयी है। ट्रक ट्रिपलर में डस्ट एक्स्ट्रैशन सिस्टम के रूप में बैग फिल्टर की स्थापना की गयी है। इसी प्रकार रैक के माध्यम से प्राप्त कच्चे माल की अनलोडिंग हेतु 01 अदद वैगन ट्रिपलर की स्थापना की गयी है। वैगन ट्रिपलर में डस्ट एक्स्ट्रैशन सिस्टम के रूप में बैग फिल्टर की स्थापना की गयी है।
- (ix) उद्योग में सीमेन्ट मिल से जनित प्रक्रिया उत्सर्जन के नियंत्रण हेतु वायु प्रदूषण नियंत्रण व्यवस्था के रूप में बैग हाऊस के साथ भू-तल से लगभग 46 मीटर ऊँची चिमनी की स्थापना की गयी है। सीमेन्ट मिल से सम्बद्ध चिमनी से जनित प्रक्रिया उत्सर्जन के सतत अनुश्रवण हेतु आनलाईन कॉन्टीन्युअस इमीशन मानिट्रिंग सिस्टम (ओ0सी0ई0एम0एस0) स्थापित है। उद्योग द्वारा स्टैक मॉनीटरिंग रिपोर्ट प्रस्तुत किया गया है, जो संलग्न है **(संलग्नक-15)**। उद्योग में विभिन्न ट्रांसफर प्वाइण्ट एवं प्रक्रिया उत्सर्जन स्रोतों पर कुल 35 बैग फिल्टर की स्थापना की गयी है।
- (x) उद्योग द्वारा परिवेशीय वायुगुणता के सतत अनुश्रवण हेतु विभिन्न दिशाओं में 02 अदद आनलाईन एम्बीएंट एयर क्वालिटी मानिट्रिंग स्टेशन स्थापित किया गया है, जो निरीक्षण के समय संचालित पाया गया।
- (xviii) उद्योग की उत्पादन प्रक्रिया से औद्योगिक उत्प्रवाह जनित नहीं होता है। मात्र घरेलू बहिस्त्राव जनित होता है, जिसके शुद्धीकरण हेतु 30 के0एल0डी0 क्षमता का सीवेज

ट्रीटमेंट प्लाण्ट स्थापित किया गया है, जो निरीक्षण के समय संचालित पाया गया। निरीक्षण के समय एस0टी0पी0 के आउटलेट से नमूने एकत्रण कर क्षेत्रीय कार्यालय, प्रयागराज की प्रयोगशाला में विश्लेषण हेतु जमा कराया गया है। विश्लेषण आख्या संलग्न है **(संलग्नक-16)**। संलग्न विश्लेषण आख्यानुसार एस0टी0पी0 के आउटलेट में जल प्रदूषणकारी प्राचालकों की मात्रा बोर्ड द्वारा निर्धारित मानकों के अनुरूप पायी गयी।

- (xi) कार्यालय उप प्रभागीय वनाधिकारी प्रयागराज सामाजिक वानिकी प्रभाग, प्रयागराज के पत्र संख्या 223/22-10 दिनांक प्रयागराज, दिनांक 14.02.2025 के अनुसार मेसर्स अल्ट्राटेक सीमेन्ट लिमिटेड, लोहगरा, बारा, प्रयागराज के परिसर में विभिन्न वर्षों में कराये गये वृक्षारोपण/हरित पट्टिका का विवरण निम्नवत् है :-

क्र०सं०	वर्ष	रोपित पौधों की संख्या	जीवित पौधों की संख्या	सफलता प्रतिशत
1	2019-20	14500	11500	79.0
2	2020-21	4000	3100	77.0
3	2021-22	4000	3070	76.76
4	2022-23	11775	10250	87.0
5	2023-24	1000	900	90.0
6	2024-25	12000	11500	95.8
	कुल	47275	40320	85.29

8. ग्राम-बेरुई, तहसील-बारा, जनपद-प्रयागराज में भू-गर्भ जल नमूनों का एकत्रण एवं परिवेशीय वायु गुणता के अनुश्रवण का कार्य:-

- (i) शिकायतकर्ता श्री पुष्पेन्दर के मकान के सामने स्थित श्री राज बहादुर पुत्र स्व० वासुदेव यादव, ग्राम-बेरुई, तहसील-बारा, जनपद-प्रयागराज के मकान के समीप स्थित इण्डिया मार्का हैण्ड पम्प वाटर, श्री कृष्णकांत विश्वकर्मा, ग्राम-कपारी, तहसील-बारा, जनपद-प्रयागराज के मकान के सामने स्थित हैण्ड पम्प वाटर एवं श्री राजेन्द्र यादव, ग्राम-बेरुई, तहसील-बारा, जनपद-प्रयागराज के मकान के सामने स्थित इण्डिया मार्का हैण्ड पम्प वाटर स्थापित आर०ओ० वाटर प्लाण्ट से एकत्रित किये गये जल के नमूनों का एकत्रण कर विश्लेषण हेतु क्षेत्रीय कार्यालय, उ०प्र० प्रदूषण नियंत्रण बोर्ड, प्रयागराज की प्रयोगशाला में जमा कराया गया। विश्लेषण आख्या संलग्न है **(संलग्नक-17)**। विश्लेषण आख्या निम्नवत् है :-


Sl. No.	Sampling Point	Date of Sample Collection	Parameters						
			pH	TDS	Calcium (as Ca ⁺⁺)	Magnesium (as Mg ⁺⁺)	Total Hardness (as CaCO ₃)	Chloride	Alkalinity
1	Hand Pump from house of Sri Raj Bahadur Yadav, Berui, Bara	13.02.2025	7.11	948	170	35	570	240	206
2	Hand Pump in front of Sri Krishna Kantishwakarma house, Kapari, Bara	13.02.2025	7.07	390	68	17	242	77	246
3	RO Water in Front of Rajendra Yadav House, Berui, Bara	13.02.2025	7.02	120	14	5	56	20	62
Indian Standard Drinking Water-Specification (Second Revision) IS 10500 : 2012		Acceptable Limit	6.5-8.5	500 mg/L	75 mg/L	30 mg/L	200 mg/L	250 mg/L	200 mg/L
		Permissible Limit	No relaxation	2000mg/L	200 mg/L	100 mg/L	600 mg/L	1000 mg/L	600 mg/L

Note : All parameters are expressed in mg/l except pH

उपरोक्त विश्लेषण आख्यानुसार श्री राज बहादुर यादव, ग्राम-बेरुई, तहसील-बारा, जनपद-प्रयागराज से एकत्रित किये गये जल के नमूने में टी०डी०एस०, कैल्शियम, मैग्निशियम, टोटल हार्डनेस की मात्रा भारतीय मानक ब्यूरो द्वारा निर्धारित एक्सेटेबल

- मानकों से अधिक पायी गयी है। आर०ओ० से एकत्रित किये गये जल के नमूने में जल प्रदूषणकारी प्राचालकों की मात्रा निर्धारित मानक के अनुरूप पायी गयी है।
- (ii) उक्त स्थापित आर०ओ० प्लांट के आपरेशन एवं मेंटीनेंस हेतु मेसर्स प्रयागराज पावर जनरेशन कं०लि० द्वारा मेसर्स दिव्यांश आर०ओ० वाटर सप्लायर्स, नीवी, लोहगरा बाजार, जसरा, बारा, प्रयागराज को वर्क आर्डर सं० 6000001951, दिनांक 14.08.2024 जारी किया गया है, जिसकी वैधता एक वर्ष की है **(संलग्नक-18)**।
- (iii) ग्राम-बेरुई, तहसील-बारा, जनपद-प्रयागराज में स्थित शिकायतकर्ता श्री पुष्पेन्द्र के मकान के सामने स्थित श्री राधेश्याम यादव के मकान की छत पर परिवेशीय वायुगुणता का अनुश्रवण कार्य दिनांक 13.02.2025 से 14.02.2025 को किया गया। परिवेशीय वायु गुणता के अनुश्रवण आख्या संलग्न है **(संलग्नक-19)**।
- (iv) मा० अधिकरण द्वारा पारित आदेश दिनांक 22.05.2024 के सम्बन्ध में दिये गये निर्देश के बिन्दु संख्या (i) CPCB, Integrated Regional Office, MoEF & CC and UPSPCB are directed to evolve an effective mechanism of monitoring compliance with EC/consent conditions stipulated to the projects for ensuring environmental friendly sustainable development के सम्बन्ध में अवगत कराना है कि पर्यावरणीय स्वीकृति (EC) के सम्बन्ध में पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय, भारत सरकार द्वारा अपनायी जा रही प्रक्रिया के सम्बन्ध में डायरेक्टर, क्षेत्रीय कार्यालय, लखनऊ के पत्र दिनांक 21.08.2024 द्वारा विवरण उपलब्ध कराया गया है, जो **संलग्नक-20** के रूप में संलग्न है।
- चेयरमैन, केन्द्रीय प्रदूषण नियंत्रण बोर्ड, दिल्ली के पत्र संख्या B-29012/ESS (CPA)/2015-16/, dt. 07.03.2016 के द्वारा समस्त स्टेट पाल्यूशन कन्ट्रोल बोर्ड/पाल्यूशन कन्ट्रोल कमेटी को रेड, ऑरेंज, ग्रीन एवं व्हाइट कटेगरी उद्योगों की सूची आवश्यक कार्यवाही हेतु उपलब्ध करायी गयी है **(संलग्नक-21)**। कटेगरीवाइज उद्योगों की सूची के अनुसार इण्डस्ट्रियल लैण्ड यूज, समुचित प्रदूषण नियंत्रण व्यवस्थाओं की स्थापना, ग्रीन बेल्ट डेवलमेन्ट आदि के आधार पर स्थापनार्थ सहमति (CTE) एवं संचालनार्थ सहमति (CTO) के निर्गमन पर नियमानुसार कार्यवाही की जाती है।
- (v) निरीक्षण के समय विभिन्न स्थलों से लिये गये फोटोग्राफ्स अवलोकनार्थ संलग्न है **(संलग्नक-22)**।

समिति की उक्त रिपोर्ट आपके अवलोकनार्थ एवं आवश्यक कार्यवाही हेतु प्रस्तुत है।


(कौशल कुमार)
सहायक पर्यावरण अभियन्ता,
उ०प्र० प्रदूषण नियंत्रण बोर्ड,
प्रयागराज।


उप प्रभागीय वनाधिकारी,
सामाजिक वानिकी वन प्रभाग,
प्रयागराज।


उप जिलाधिकारी, बारा,
प्रयागराज।

जिलाधिकारी, प्रयागराज

पत्रांक 60/427 / एन0जी0टी0/ओ0ए0 नं0 617/2022

दिनांक 06/02/2025

कार्यालय आदेश

मा0 राष्ट्रीय हरित अधिकरण, नई दिल्ली द्वारा ओ0नं0 617/2022 श्री पुष्पेन्दर बनाम उ0प्र0 राज्य व अन्य में दिनांक 22.05.2024 को मा0 अधिकरण द्वारा निर्देश के साथ निस्तारित किया गया था तथा मा0 अधिकरण द्वारा पारित आदेश में दिये गये निर्देश के अनुपालन में सम्बन्धित रिस्पांडेन्ट्स से रिपोर्ट दाखिल करने हेतु निर्देशित किया गया था। मा0 अधिकरण द्वारा पारित आदेश दिनांक 22.05.2024 में निम्नवत् निर्देश दिया गया है :-

".....83. In view of the above, we consider issuance of appropriate directions to be essential and accordingly issue the following directions:-

- i. CPCB, Integrated Regional Office, MoEF & CC and UPSPCB are directed to evolve an effective mechanism of monitoring compliance with EC/consent conditions stipulated to the projects for ensuring environmental friendly sustainable development.
- ii. Respondent no.4-PPGCL and respondent no. 5-UTCL being zero liquid discharge units are directed to ensure that treated industrial effluent and domestic sewage are used for industrial purposes/horticulture/plantation and are not discharged in storm water drain except during monsoon.
- iii. Respondent no. 2-UPSPCB is directed to undertake requisite study through subject experts to examine quality and fitness of ground water for use as drinking water, ascertain the causes of contamination of ground water, recommend remedial measures required to be taken and direct the concerned Authorities and the Project Proponents, as the case may be, to take the same.
- iv. Respondent no. 4-PPGCL is directed to ensure management and disposal of fly ash as per notifications issued by the MoEF & CC and guidelines issued by CPCB and UPSPCB.
- v. UPSPCB is directed to look into the aspect of requirement of installation of Dust Separation System and Dust Extraction system at additional points as recommended by the Joint Committee at the time of next inspection of PPGCL and UTCL and issue appropriate directions in this regard.
- vi. UPSPCB is directed to perform the ambient air monitoring at Berui village to ascertain the pollution level in referenced area and look into the cause if PM10 (ug/m3) in front of the house of the applicant, if the same is higher than PM10 (ug/m3) at other locations and suggest remedial measures, if any required.

क्रमशः2/-पर....

- vii. The Divisional Forest Officer, Prayagraj is directed to verify the factual position as to whether respondents No. 4- PPGCL and 5-UTCL have developed green belt on 33 % of the project area which is stated to be measuring about 400 acres and 6.6 hectares respectively as mandated by EC and CTE/CTO consent conditions and to submit report within one month specifying the deficiencies of green belt/plantation in terms of area, location, number and nature of species of trees and suggesting measures required to be taken by respondents No. 4- PPGCL and 5-UTCL for remedying deficiencies of green belt/plantation and the budget amount required for the same.
- viii. Respondents no. 4-PPGCL and 5-UTCL are directed to ensure that such deficiencies of green belt/plantation so mentioned in the report of the Divisional Forest Officer, Prayagraj are remedied so that requisite green belt/plantation of requisite width around the periphery of the plants and over 33 % of the project area is raised during forth coming monsoon season and to file compliance report in this regard within four months.
- ix. Respondent No. 4 PPGCL is directed to take over the responsibility of maintenance, operation, payment of electricity bills, regulation of quality of water to be supplied and other decisions in respect ROs installed by it under its Corporate Social Responsibility and meet the requisite expenses out of its CSR fund and to file separate compliance report in this regard within two months.

84. Reports as mentioned above be filed by e-mail at judicialngt@gov.in preferably in the form of searchable PDF/OCR Supported PDF and not in the form of Image PDF, before the Ld. Registrar General, National Green Tribunal, Principal Bench, New Delhi who may, if necessary, put up the matter before this Bench for further directions.

85. The application is disposed of with the directions as mentioned above while leaving the parties to bear their own costs....."

प्रश्नगत प्रकरण पर मा0 अधिकरण में सुनवाई दिनांक 15.01.2025 को की गयी। मा0 अधिकरण द्वारा निम्नवत् आदेश पारित किया गया :-

.....5. The Registry is directed to issue notices to the respondents to show cause as to why appropriate action be not taken in terms of above mentioned provisions and also requiring them to file their reports 5 mentioning the steps taken in compliance with Judgment dated 22.05.2024.

6. List for further consideration 21.02.2025."

(3)

प्रश्नगत प्रकरण में सदस्य सचिव, उ० प्र० प्रदूषण नियंत्रण बोर्ड, लखनऊ प्रतिवादी संख्या 02 के रूप में तथा जिला मजिस्ट्रेट, प्रयागराज प्रतिवादी संख्या 03 के रूप में है। प्रश्नगत प्रकरण में मा० एन०जी०टी० द्वारा समस्त प्रतिवादी को दिनांक 31.01.2025 को नोटिस जारी की गयी है तथा मा० अधिकरण द्वारा पारित आदेश में नियत तिथि से एक सप्ताह पूर्व रिस्पॉन्स रिपोर्ट मा० अधिकरण में दाखिल की जानी है।

मा० अधिकरण द्वारा पारित उक्त आदेश के अनुपालन में प्रश्नगत प्रकरण की जाँच हेतु निम्नवत् सदस्यों टीम का गठन किया जाता है:-

1. उप जिलाधिकारी, बारा, प्रयागराज।
2. प्रभागीय निदेशक अथवा उप प्रभागीय वनाधिकारी, सामाजिक वानिकी वन प्रभाग, प्रयागराज।
3. श्री कौशल कुमार, सहायक पर्यावरण अभियंता, उ० प्र० प्रदूषण नियंत्रण बोर्ड, प्रयागराज।

समिति के उक्त सभी सदस्यों को निर्देशित किया जाता है कि प्रश्नगत प्रकरण की जाँच कर आख्या एक सप्ताह के अंदर अधोहस्ताक्षरी को प्रस्तुत करना सुनिश्चित करें।

संलग्नक-उपरोक्त।

पृ०सं० एवं दिनांक : उपरोक्त।

प्रतिलिपि:- निम्नलिखित को सूचनार्थ एवं आवश्यक कार्यवाही हेतु प्रेषित :-

1. सदस्य सचिव, उ० प्र० प्रदूषण नियंत्रण बोर्ड, लखनऊ।
2. अपर जिलाधिकारी (प्रशासन), प्रयागराज।
3. क्षेत्रीय अधिकारी, उ० प्र० प्रदूषण नियंत्रण बोर्ड, प्रयागराज।
4. समिति के सदस्यों को अनुपालनार्थ।

(रविन्द्र कुमार माँदड़)
जिलाधिकारी, प्रयागराज

(रविन्द्र कुमार माँदड़)
जिलाधिकारी, प्रयागराज

क्षेत्रीय कार्यालय, उत्तर प्रदेश प्रदूषण नियंत्रण बोर्ड
REGIONAL OFFICE, U.P. POLLUTION CONTROL BOARD

आवारा विकास परिषद कालोनी, रोक्टर-10, गोजना संख्या-3, झूँसी, प्रयागराज- 211019

Email-roprayagraj@uppcb.in

पत्रांक 601304 / NUT ON WA C17 / 2022 / 2025

दिनांक 03/01/2025

समा में,

प्रभागीय निदेशक,
सामाजिक वानिकी वन प्रभाग,
प्रयागराज।

मा0 एन0जी0टी0 प्रकरण
अतिआवश्यक/महत्वपूर्ण

विषय:- मा0 एन0जी0टी0 द्वारा ओ0ए0 नं0 617/2022 पुष्पेन्दर बनाम स्टेट ऑफ यू0पी0 व अन्य में पारित आदेश दिनांक 22.05.2024 के अनुपालन के सम्बन्ध में।

महोदय,

कृपया उपरोक्त विषयक जिलाधिकारी महोदय, प्रयागराज के पत्र संख्या 1943/22-10, दिनांक 28.12.2024 का सन्दर्भ ग्रहण करने का कष्ट करें। उक्त पत्र के माध्यम से दिनांक 09.12.2024 को सम्पन्न हुई जिला पर्यावरणीय समिति, प्रयागराज की कार्यवृत्त संलग्न करते हुए अनुपालन हेतु इस कार्यालय को प्रेषित किया गया है। कृपया अवगत कराना है कि मा0 एन0जी0टी0 द्वारा ओ0ए0 नं0 617/2022 पुष्पेन्दर बनाम स्टेट ऑफ यू0पी0 व अन्य में दिनांक 22.05.2024 का आदेश पारित किया गया है, जिसके मुख्य अंश निम्नवत् है :-

vii. The Divisional Forest Officer, Prayagraj is directed to verify the factual position as to whether respondents No. 4-PPGCL and 5-UTCL have developed green belt on 33 % of the project area which is stated to be measuring about 400 acres and 6.6 hectares respectively as mandated by EC and CTE/CTO consent conditions and to submit report within one month specifying the deficiencies of green belt/plantation in terms of area, location, number and nature of species of trees and suggesting measures required to be taken by respondents No. 4-PPGCL and 5-UTCL for remedying deficiencies of green belt/plantation and the budget amount required for the same.

viii. Respondents no. 4-PPGCL and 5-UTCL are directed to ensure that such deficiencies of green belt/plantation so mentioned in the report of the Divisional Forest Officer, Prayagraj are remedied so that requisite green belt/plantation of requisite width around the periphery of the plants and over 33 % of the project area is raised during forth coming monsoon season and to file compliance report in this regard within four months....."

मा0 अधिकरण द्वारा पारित आदेश दिनांक 22.05.2024 के अनुपालन में मेसर्स प्रयागराज पॉवर जनरेशन कम्पनी लि0 एवं मेसर्स अल्ट्राटेक सीमेन्ट लि0, बारा, प्रयागराज द्वारा विकसित किये गये हरित पट्टिका का सत्यापन कार्य वन विभाग द्वारा किया जाना है।

अतः अनुरोध है कि मा0 अधिकरण द्वारा पारित आदेश दिनांक 22.05.2024 के बिन्दु संख्या vii & viii के अनुपालन में अपने स्तर से आवश्यक कार्यवाही करने का कष्ट करें।

भवदीय,

(डॉ० एस०सी० शुक्ला) 03/01/25
क्षेत्रीय अधिकारी
0/c

पृ0सं० एवं दिनांक : उपरोक्त।

प्रतिलिपि:- निम्नलिखित को सूचनार्थ सादर प्रेषित :-

1. जिलाधिकारी महोदय, प्रयागराज।
2. मुख्य पर्यावरण अधिकारी (पूत-2), उ0प्र0 प्रदूषण नियंत्रण बोर्ड, लखनऊ।
3. मुख्य कार्यकारी अधिकारी, मेसर्स प्रयागराज पॉवर जनरेशन कम्पनी लि0, ग्राम-लोहगरा, तहसील-बारा, जनपद-प्रयागराज को इस आशय के साथ प्रेषित कि प्लाण्टेशन/ग्रीन बेल्ट से सम्बन्धित वांछित सूचना प्रभागीय निदेशक, सामाजिक वानिकी वन प्रभाग, प्रयागराज को अविलम्ब उपलब्ध कराने का कष्ट करें।
4. महाप्रबंधक, मेसर्स अल्ट्राटेक सीमेन्ट लि0, ग्राम-लोहगरा, तहसील-बारा, जनपद-प्रयागराज को इस आशय के साथ प्रेषित कि प्लाण्टेशन/ग्रीन बेल्ट से सम्बन्धित वांछित सूचना प्रभागीय निदेशक, सामाजिक वानिकी वन प्रभाग, प्रयागराज को अविलम्ब उपलब्ध कराने का कष्ट करें।

03/01/25
क्षेत्रीय अधिकारी
0/c



क्षेत्रीय कार्यालय, उत्तर प्रदेश प्रदूषण नियंत्रण बोर्ड
REGIONAL OFFICE, U.P. POLLUTION CONTROL BOARD

संलग्नक-3



आवास विकास परिषद कालोनी, सेक्टर-10, योजना सख्या-3, जूरी, प्रयागराज- 211019

Email-roprayagraj@uppcb.in

पत्रांक G01410/NUT OA MO. 617 / 2022 / 2025

दिनांक 01/02/2025

सेवा में,

मेरास अल्ट्राटेक सीमेन्ट लि०,
ग्राम-लोहगरा, तहसील-वारा,
जनपद-प्रयागराज।

मा० एन०जी०टी० प्रकरण
अतिआवश्यक/महत्वपूर्ण

विषय- मा० एन०जी०टी० द्वारा ओ०ए० नं० 617/2022 पुष्पेन्दर बनाम स्टेट ऑफ यू०पी० व अन्य में पारित आदेश के अनुपालन के सम्बन्ध में।

महोदय,

कृपया उपरोक्त विषयक का सन्दर्भ ग्रहण करने का कष्ट करें। उक्त के सम्बन्ध में सूचित करना है कि मा० राष्ट्रीय हरित अधिकरण, नई दिल्ली द्वारा ओ०नं० 617/2022 श्री पुष्पेन्दर बनाम उ०प्र० राज्य व अन्य में दिनांक- 22.05.2024 को मा० अधिकरण द्वारा निर्देश के साथ निस्तारित किया गया था तथा मा० अधिकरण द्वारा पारित आदेश में दिये गये निर्देश के अनुपालन में सम्बन्धित रिस्पॉन्डेन्ट्स से रिपोर्ट दाखिल करने हेतु निर्देशित किया गया था। मा० अधिकरण द्वारा पारित आदेश दिनांक 22.05.2024 में निम्नवत् निर्देश दिया गया है :-

".....83. In view of the above, we consider issuance of appropriate directions to be essential and accordingly issue the following directions:-

- CPCB, Integrated Regional Office, MoEF & CC and UPSPCB are directed to evolve an effective mechanism of monitoring compliance with EC/consent conditions stipulated to the projects for ensuring environmental friendly sustainable development.
- Respondent no.4-PPGCL and respondent no. 5-UTCL being zero liquid discharge units are directed to ensure that treated industrial effluent and domestic sewage are used for industrial purposes/horticulture/plantation and are not discharged in storm water drain except during monsoon.
- Respondent no. 2-UPSPCB is directed to undertake requisite study through subject experts to examine quality and fitness of ground water for use as drinking water, ascertain the causes of contamination of ground water, recommend remedial measures required to be taken and direct the concerned Authorities and the Project Proponents, as the case may be, to take the same.
- Respondent no. 4-PPGCL is directed to ensure management and disposal of fly ash as per notifications issued by the MoEF & CC and guidelines issued by CPCB and UPSPCB.
- UPSPCB is directed to look into the aspect of requirement of installation of Dust Separation System and Dust Extraction system at additional points as recommended by the Joint Committee at the time of next inspection of PPGCL and UTCL and issue appropriate directions in this regard.
- UPSPCB is directed to perform the ambient air monitoring at Berui village to ascertain the pollution level in referenced area and look into the cause if PM10 (ug/m3) in front of the house of the applicant, if the same is higher than PM10 (ug/m3) at other locations and suggest remedial measures, if any required.
- The Divisional Forest Officer, Prayagraj is directed to verify the factual position as to whether respondents No. 4- PPGCL and 5-UTCL have developed green belt on 33 % of the project area which is stated to be measuring about 400 acres and 6.6 hectares respectively as mandated by EC and CTE/CTO consent conditions and to submit report within one month specifying the deficiencies of green belt/plantation in terms of area, location, number and nature of species of trees and suggesting measures required to be taken by respondents No. 4- PPGCL and 5-UTCL for remedying deficiencies of green belt/plantation and the budget amount required for the same.

क्रमशः 2/-पर...

- viii. Respondents no. 4-PPGCL and 5-UTCL are directed to ensure that such deficiencies of green belt/plantation so mentioned in the report of the Divisional Forest Officer, Prayagraj are remedied so that requisite green belt/plantation of requisite width around the periphery of the plants and over 33 % of the project area is raised during forth coming monsoon season and to file compliance report in this regard within four months.
- ix. Respondent No. 4 PPGCL is directed to take over the responsibility of maintenance, operation, payment of electricity bills, regulation of quality of water to be supplied and other decisions in respect ROs installed by it under its Corporate Social Responsibility and meet the requisite expenses out of its CSR fund and to file separate compliance report in this regard within two months.

84. Reports as mentioned above be filed by e-mail at judicialngt@gov.in preferably in the form of searchable PDF/OCR Supported PDF and not in the form of Image PDF, before the Ld. Registrar General, National Green Tribunal, Principal Bench, New Delhi who may, if necessary, put up the matter before this Bench for further directions.

85. The application is disposed of with the directions as mentioned above while leaving the parties to bear their own costs....."

प्रश्नगत प्रकरण पर मा0 अधिकरण में सुनवाई दिनांक 15.01.2025 को की गयी। मा0 अधिकरण द्वारा निम्नवत् आदेश पारित किया गया :-

.....5. The Registry is directed to issue notices to the respondents to show cause as to why appropriate action be not taken in terms of above mentioned provisions and also requiring them to file their reports 5 mentioning the steps taken in compliance with Judgment dated 22.05.2024.

6. List for further consideration 21.02.2025."


प्रश्नगत प्रकरण में उद्योग प्रतिवादी संख्या 05 के रूप में है। प्रश्नगत प्रकरण में मा0 एन0जी0टी0 द्वारा समस्त प्रतिवादी को दिनांक 31.01.2025 को नोटिस जारी की गयी है तथा मा0 अधिकरण द्वारा पारित आदेश में नियत तिथि से एक सप्ताह पूर्व रिस्पॉंस रिपोर्ट मा0 अधिकरण में दाखिल की जानी है।

अतः उक्त के दृष्टिगत मा0 एन0जी0टी0 द्वारा दिनांक 22.05.2024 में दिये गये निर्देश के अनुपालन में की गयी कार्यवाही के सम्वन्ध में तथ्यात्मक रिपोर्ट 05 दिन के अन्दर प्रत्येक दशा में इस कार्यालय को प्रेषित करना सुनिश्चित करें, जिससे अग्रिम कार्यवाही की जा सके।

संलग्नक:-उपरोक्तानुसार।

प्रतिलिपि:-निम्नलिखित को सूचनार्थ एवं आवश्यक कार्यवाही हेतु प्रेषित:-

1. जिलाधिकारी महोदय, प्रयागराज।
2. सदस्य सचिव महोदय, उ0प्र0 प्रदूषण नियंत्रण बोर्ड, लखनऊ।
3. मुख्य पर्यावरण अधिकारी (वृत्त-2), उ0प्र0 प्रदूषण नियंत्रण बोर्ड, लखनऊ।
4. मुख्य विधि अधिकारी (प्रभारी), उ0प्र0 प्रदूषण नियंत्रण बोर्ड, लखनऊ।

भवदीय,

 (डॉ० एस०सी० शुक्ला)
 क्षेत्रीय अधिकारी

क्षेत्रीय अधिकारी



1491
श्रीलक्ष्मी - (2)

Ref. No.- UTCL/BRCW/U PPCB/NGT/2025-2026/26

date-13.02.2025

To,

The Regional Officer,
Uttar Pradesh Pollution Control Board,
Prayagraj (Uttar Pradesh)

Subject: Submission of Compliance Report for NGT Observation.

Ref:- No.GO1410/NGT OA-NQ.617/2022/2025 on date 01/02/2025

Respected Sir/Madam,

I am writing to submit the compliance report in response to the observations made by the Honourable National Green Tribunal (NGT) in the matter of [Case Name/Case Number]. We have diligently worked to address the concerns and implement the directives issued by the Tribunal in its order dated 22.05.24.

please find enclosed the compliance report which details the actions taken and measures implemented to ensure adherence to the Tribunal's directives.

We express our sincere gratitude to the Tribunal for its guidance and oversight in this matter. We remain committed to upholding environmental standards and contributing to the protection and preservation of our environment.

Thank you for your attention to this submission. We look forward to your favourable consideration and confirmation of compliance.

Yours sincerely,

(Sudhir Sharma)

AVP & Grinding Unit Head

Enclosures: Compliance Report and Supporting Documents



UltraTech Cement Limited
NGT Observation

A/p : Lohgara, Tehsil : Bara, Distt. : Prayagraj (U.P.) 212107

Website : www.ultratechcement.com

Registered Office : 'B'Wing, Ahura Centre, 2nd Floor, Mahakali Caves Road, Andheri (East), Mumbai - 400093

T.: + 91 22 66917800 | CIN : L26940MH2000PLC128420

NGT Observation

Sr.No	Observation	Compliance Status
1	CPCB, Integrated Regional Office, MoEF & CC and UPSPCB are directed to evolve an effective mechanism of monitoring compliance with EC/consent conditions stipulated to the projects for ensuring environmental friendly sustainable development.	This condition is not applicable to UltraTech Cement limited.
2	UTCL being zero liquid discharge units are directed to ensure that treated industrial effluent and domestic sewage are used for industrial purposes/horticulture/plantation and are not discharged in storm water drain except during monsoon.	We would like to humbly submit that the cement manufacturing process is best on dry process technology hence there is no requirement of water in process and no effluent is generated. Only very less quantity of domestic sewage is generated from the office toilet which is being disposed in soak pit. We are maintaining zero discharge. Water is being used for Cooling purposes/horticulture/plantation and are not discharged in storm water drain except during monsoon.
3	UPSPCB is directed to undertake requisite study through subject experts to examine quality and fitness of ground water for use as drinking water, ascertain the causes of contamination of ground water, recommend remedial measures required to be taken and direct the concerned Authorities and the Project Proponents, as the case may be, to take the same.	We conducted third party monitoring accredited by MOeF & NABL on regular basis for the ground water quality. The monitoring results is being submitted to UPPCB on regular basis. Annexure-1
4	UTCL are directed to ensure that such deficiencies of green belt/plantation so mentioned in the report of the Divisional Forest Officer, Prayagraj are remedied so	Total land Area-20 hectares Total Green Belt- 7.2 Hectors; No of Trees Planted till- 41,975 Trees (in 3 phases)

that requisite green belt/plantation of requisite width around the periphery of the plants and over 33 % of the project area is raised during forth coming monsoon season

Status of plantation in the year 2024-25

Parameter	Sapling (FY 2023-24)
Number of Sapling planted	7700
Number of Sapling survived	5000
Sapling survival rate	64.4%

Sum Photos green belt area developed are annexed as **Annexure-2** for ready reference.

5 UPSPCB is directed to look into the aspect of requirement of installation of dust separation system and dust extraction system at additional point as recommended by the joint committee at the time of next inspection of UTCL and issue appropriate direction in this regard.

Internal road are made with concrete and Sprinklers systems are installed for dust suppression at handling area. The Sweeping Machine Water tanker and Sprinkling system is being used for controlling the dust emission. **Annexure-3**

6 UPSPCB is directed to perform the ambient air monitoring at Berui village to ascertain the pollution level in referenced area and look into the cause if PM10 ($\mu\text{g}/\text{m}^3$) in front of the house of the application, the same is higher than PM10 ($\mu\text{g}/\text{m}^3$) at other location and suggest remedial measures, if any required.

AAQ emission is being monitored regularly third party monitoring accredited by MOEF & CCNABL accredited laboratory, The Ambient emission monitoring data is attached in **Annexure-4**

7 UTCL have developed green belt on 33 % of the project area which is stated to be measuring about 400 acres and 6.6 hectares respectively as mandated by EC and CTE/CTO consent conditions and to submit report within one month specifying the deficiencies of green belt/plantation in terms of area, location, number and nature of species of trees and suggesting measures required to be taken by respondents No. 4-PPGCL and 5-UTCL for remedying

UTCL has developed green cover on 33% stretches of the project area of 20 hectare, The remaining area plantation will be completed in upcoming moon soon season. The Green Status development is shown in attached plant area map for ready reference.

Tree Plantation & Planning

Details

Si. No.	Years	Area Location	Total numbers
---------	-------	---------------	---------------

deficiencies of green belt/plantation and the budget amount required for the same	1	2024-25	Plant Premises & Truck yard	5000
	2	2025-26	Plant Premises & Truck yard	5000
	2	2026-27	Plant Premises & Truck yard	4000
	2	2027-28	Plant Premises & Truck yard	4000



30 years of success

J.M. ENVIROLAB PVT. LTD.

Approved from MoEF&CC & Certified - ISO 9001:2015, ISO 14001:2015, ISO 45001:2018

TEST REPORT

Sample Number:	JME/BCW/W/01	Report No.:	JME/W/260120005
Name & Address of Unit:	M/s. UltraTech Cement Limited Bara Cement Works (Grinding Unit) at Tehsil- Bara, District- Prayagra, Uttar Pradesh	Format No. :	7.5 F-01
Sample Description:	WATER (Ground)	Party Reference:	NIL
Sample Location:	Borewell No. 1	Reporting Date:	25/01/2025
Client Representative (Name & Designation):	Mr. Dinesh Kumar	Analysis Completion Date:	25/01/2025
Sample collected by:	JMELPL Team	Analysis Start Date:	20/01/2025
Latitude :	25°12'02.0"	Receipt Date:	20/01/2025
Longitude :	81°38'48.0"	Sampling Date:	18/01/2025
Protocol Used :	IS:3025 & APHA 23rd Edition 2017	Preservation:	Refrigerated
		Sampling Type:	Grab
		Sample Quantity:	Approx.2.0 Litre
		Packing Status :	Temporary Sealed
		Parameter Required:	As per work order

TEST RESULTS

S. No.	Parameters	Testing Protocol	Result	Unit	Limit as per IS:10500- 2012	
					Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate Source
1.	pH (at 25 °C)	IS:3025 (Part-11)	7.38	-	6.5 to 8.5	No Relaxation
2.	Colour	IS:3025 (Part 4)	BDL(DL 1.0)	Hazen Unit	5	15
3.	Turbidity	IS:3025 (Part-10)	BDL(DL 1.0)	NTU	1	5
4.	Odour	IS:3025 (Part-5)	Agreeable	-	Agreeable	Agreeable
5.	Taste	IS:3025 (Part-8)	Agreeable	-	Agreeable	Agreeable
6.	Total Hardness as CaCO3	IS:3025 (Part-21)	276.0	mg/l	200	600
7.	Calcium as Ca	IS:3025 (Part-40)	112.0	mg/l	75	200
8.	Alkalinity as CaCO3	IS:3025 (Part-23)	231.0	mg/l	200	600
9.	Chloride as Cl	IS:3025 (Part-32)	52.96	mg/l	250	1100
10.	Residual free Chlorine	IS:3025 (Part-26)	BDL(DL 0.2)	mg/l	0.2	1.0
11.	Cyanide as CN	IS:3025 (Part-27)	BDL(DL 0.02)	mg/l	0.05	No Relaxation
12.	Magnesium as Mg	IS:3025 (Part-46)	0.46	mg/l	30	110
13.	Total Dissolved Solids	IS:3025 (Part-16)	467.0	mg/l	500	2000
14.	Sulphate as SO4	APHA 23rd Edition, 4500-SO4-C/D/E	56.32	mg/l	200	400
15.	Fluoride as F	APHA 23rd Edition, 4500-F- D	0.63	mg/l	1	1.5
16.	Nitrate as NO3-N	IS:3025 (Part-34)	1.10	mg/l	45	No Relaxation
17.	Iron as Fe	IS:3025 (Part-53)	BDL (DL 0.02)	mg/l	1	No Relaxation
18.	Aluminium as Al	IS:3025 (Part-55)	BDL(DL 0.03)	mg/l	0.03	0.2
19.	Boron	IS:3025 (Part-57)	BDL(DL 0.20)	mg/l	0.5	2.4

Page 1 of 2

Sristi
Brishti Mehta
Tested by

Abhishek Tiwari
Abhishek Tiwari
Checked by

Yadav
Authorized Signatory

Note:

- This test report has been at your request and test results pertain to the tested sample received.
- This reports is for your reference only and not to be used for any legal purpose.
- Any discrepancy in the test report or any remarks regarding the test results shall be brought to our knowledge within 7 days of the issue of this report.
- Total liability or any claim in case of dispute is limited to the invoice raised by the laboratory.
- The sample will be destroyed after retention time unless otherwise specified specially.
- Endorsement of the product tested by the laboratory is neither inferred nor implied.
- Report shall not be reproduce except in full without approval of the laboratory.
- All disputes are subject to exclusive jurisdiction of Jaipur court only.

Reg. Office & Lab.

424, Ground Floor, Udyog Vihar,
Phase-IV, Gurugram-122015 (Haryana)
E-mail: jmenvirolab@hotmail.com | www.jmenvironet.org

Corporate Office

Emaar Digital Greens, Tower-B, Unit No.1517,
Golf Course Ext. Road, Sector-61,
Gurugram-122011(Haryana)



J.M. ENVIROLAB PVT. LTD.

30 years of success

Approved from MoEF&CC & Certified - ISO 9001:2015, ISO 14001:2015, ISO 45001:2018

TEST REPORT

Sample Number: JME/BCW/W/01

Report No.: JME/W/260120005

S. No.	Parameters	Testing Protocol	Result	Unit	Limit as per IS:10500- 2012	
					Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate Source
20.	Phenolic Compounds	APHA 23rd Edition, 5530-Phenols-C/D	BDL(DL 0.001)	mg/l	0.001	0.002
21.	Anionic Detergents as MBAS	APHA 23rd Edition, 5540-C	BDL(DL 0.02)	mg/l	0.2	1
22.	Hexa Chromium as Cr+6	IS:3025 (Part-52)	BDL(DL 0.03)	mg/l	-	-
23.	Zinc as Zn	IS:3025 (Part-49)	BDL (DL 0.0005)	mg/l	5	15
24.	Copper as Cu	IS:3025 (Part-42)	BDL (DL 0.02)	mg/l	0.05	1.5
25.	Manganese as Mn	IS:3025 (Part-59)	BDL (DL 0.01)	mg/l	0.1	0.3
26.	Cadmium as Cd	IS:3025 (Part-41)	BDL (DL 0.002)	mg/l	0.003	No Relaxation
27.	Lead as Pb	IS:3025 (Part-47)	BDL (DL 0.008)	mg/l	0.01	No Relaxation
28.	Selenium as Se	IS:3025 (Part-56)	BDL(DL 0.005)	mg/l	0.01	No Relaxation
29.	Arsenic as As	IS:3025 (Part-37)	BDL (DL 0.002)	mg/l	0.01	No Relaxation
30.	Mercury as Hg	IS:3025 (Part-48)	BDL (DL 0.001)	mg/l	0.001	No Relaxation
31.	Sodium as Na	IS:3025 (Part-45)	68.0	mg/	-	-
32.	Potassium as K	IS:3025 (Part-45)	13.0	mg/	-	-

Note: BDL - Below Detection Limit, DL - Detection Limit

End of Report

Page 2 of 2

S. Mehta
Srichiti Mehta

Tested by

Arjun Tiwari
Arjun Tiwari

Checked by

Yash Yadav
Yash Yadav
Authorized Signatory

Note:

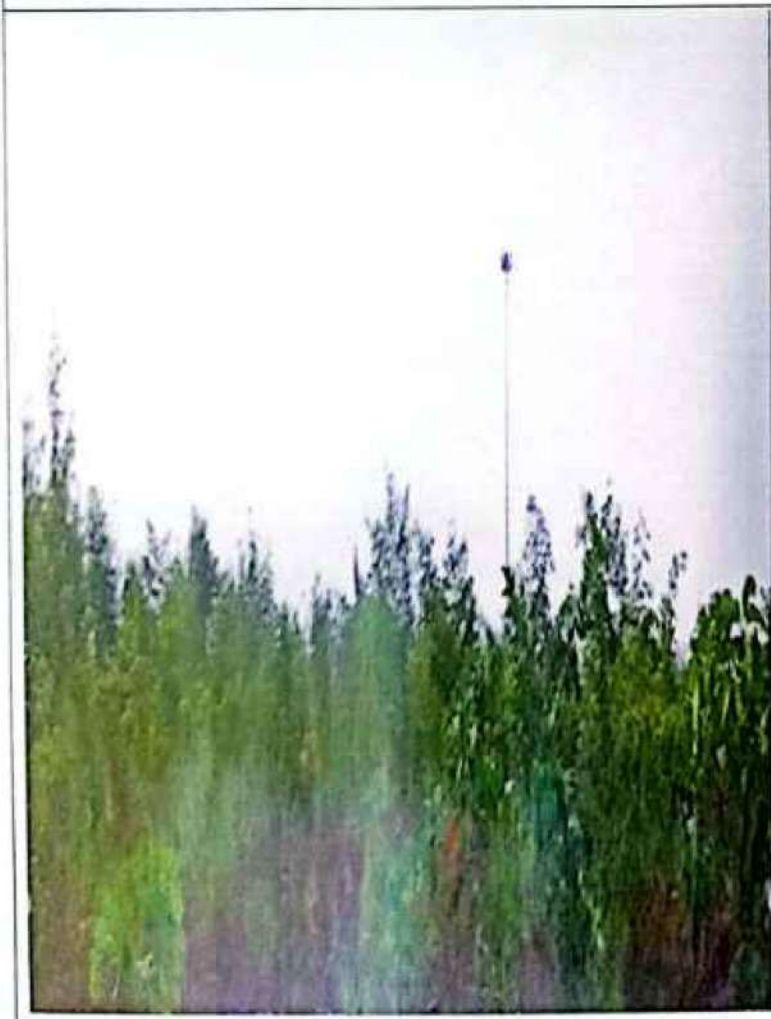
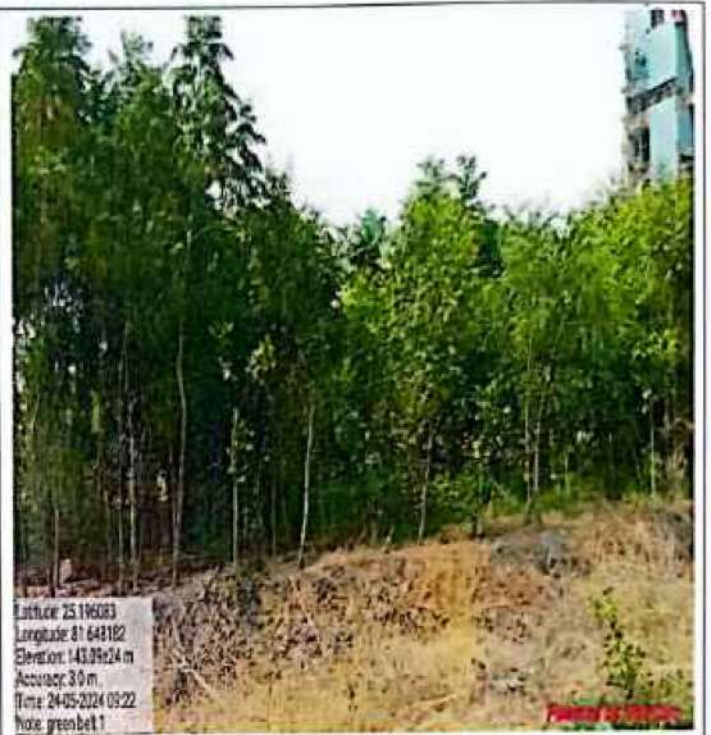
1. This test report has been at your request and test results pertain to the tested sample received.
2. This report is for your reference only and not to be used for any legal purpose.
3. Any discrepancy in the test report or any remarks regarding the test results shall be brought to our knowledge within 7 days of the issue of this report.
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E-mail: jmenvirolab@hotmail.com | www.jmenvironet.org

Corporate Office

Emaar Digital Greens, Tower-B, Unit No.1517,
Golf Course Ext. Road, Sector-61,
Gurugram-122011(Haryana)



Plantation Report & PLAN:

Details of Green Belt Development					
Si. No.	Month	Area Location	Plant Species		Total numbers
	FY 19-20	Plant Premises	Sa lin	Nos.	14500
			Neem	1000	
			Sheesham	1000	
			Añun	1000	
			Karan	1000	
			Pakad	1000	
			Jamun	1000	
			pee al	1000	
			Amrood	1000	
			Amala	1000	
			Aaam	500	
			Casia Semia	1000	
			Chitwan	1000	
			Amaltas	1000	
			Kadamb	1000	
			Ashok	1000	
2	FY20-21	Plant ises	Neem Tree	300	4000
			Sheesham	200	
			Arjun	200	
			Karanj	200	
			Pakad	200	
			Jamun	100	
			Sagaun TREE	1,700	
			Casia Samia	100	
			Amarood	100	
			Mango	100	
			Chitwan Tree	100	
			Amaltas Tree	100	
			Kadamb Tree	100	
			Ashok Tree	200	
			Mixed Fruit	200	
			Maulshree	300	
3	FY 21-22	Plant Premises	Jamun	500	4000
			Amarood	500	
			Mango	500	
			Mixed Fruit	500	
			katahal	200	
			Amala	200	
4	FY22-23	Plant Premises	11775(mango ashok sheesham cornocorpurs, karanj ,kadamb ,nibu,bottle palm etc) sapling planted		1 1775
					11775

5	FY23-24	Plant Premises	1500 sq meter area will be developed by using MIYAWAKI system. Remaining area will be developed as green belt by this year	Work is under process	2500
		Completion of 33%	NEEM	500	5200
			KADAMB	500	
			AMALTAS	500	
			MANGO	1000	
			KARANJ, SHEESHAM	500	
			ARJUN MAULSHREE	500	
			LOCAL SPECIES	500	
			Dubai tree	1200	
	FY24-25	Plant Premises	NEEM	2000	7700
			KADAMB	500	
			MANGO	3200	
			KARANJ,SHEESHAM	2000	

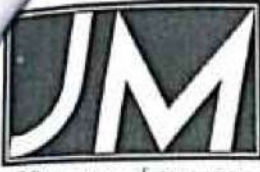
Annexure-3



Water Sprinkling



Water Tanker



J.M. ENVIROLAB Pvt. Ltd.

30 years of success

Approved from MoEF&CC & Certified - ISO 9001:2015, ISO 14001:2015, ISO 45001:2018

TEST REPORT

Sample Number: JME/BCW/A/08 Report No.: JME/A/250120218
 Name & Address of Unit: M/s. UltraTech Cement Limited
 Bara Cement Works (Grinding Unit)
 at Tehsil- Bara, District- Prayagraj,
 Uttar Pradesh Format No.: 7.5 F-02
 Party Reference No.: Nil
 Reporting Date: 22/01/2025
 Analysis Completion Date: 22/01/2025
 Analysis Start Date: 20/01/2025
 Receipt Date: 20/01/2025

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information

Client Representative (Name & Designation)
 Sample collected by
 Sampling Location
 Latitude
 Longitude
 Instrument used
 Instrument code
 Instrument calibration status
 Meteorological condition during monitoring
 Date of Monitoring
 Time of Monitoring
 Actual duration of Monitoring. (minutes)
 Ambient Temperature (°C)
 Surrounding activity
 Control measure if Any
 Sampling & Analysis Protocol
 Parameter Required

Mr. Dinesh Kumar

JMELPL Team

Berul Village

-

-

RDS&FPS

JME/RDS/01/14 & JME/FPS/01/10

Calibrated

Clear Sky

16/01/2025 To 17/01/2025

09:45 to 09:45 Hrs.

1418.0

Max 21°C, Min 12°C

Trucks movement & Wagon Loading-Unloading

-

IS-5182 & CPCB Guidelines

As per work order

TEST RESULTS

S. No.	Parameters	Testing Protocol	Result	Unit	NAAQS
1.	PM2.5	IS:5182, (Part-24)	32.78	µg/m ³	60
2.	PM10	IS:5182, (Part-23)	57.09	µg/m ³	100
3.	Nitrogen Dioxide	IS: 5182, (Part-6)	14.21	µg/m ³	80
4.	Sulphur Dioxide	IS: 5182, (Part-2)	5.17	µg/m ³	80
5.	Carbon Monoxide	IS: 5182, (Part-10)	0.56	mg/m ³	4

*NAAQS-National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)] [Part-II sec.-3(i)] 16.11.2009

End of Report

Vandana Sharma
Tested by

Deepa Singh
Checked by


Sita Ram Yadav
Authorized Signatory

Note:

- This test report has been at your request and test results pertain to the tested sample received.
- This report is for your reference only and not to be used for any legal purpose.
- Any discrepancy in the test report or any remarks regarding the test results shall be brought to our knowledge within 7 days of the issue of this report.
- Total liability or any claim in case of dispute is limited to the invoice raised by the laboratory.
- The sample will be destroyed after retention time unless otherwise specified specially.
- Endorsement of the product tested by the laboratory is neither inferred nor implied.
- Report shall not be reproduced except in full without approval of the laboratory.
- All disputes are subject to exclusive jurisdiction of Jaipur court only.

Reg. Office & Lab.

424, Ground Floor, Udyog Vihar,
Phase-IV, Gurugram-122015 (Haryana)
E-mail: jmenvironlab@hotmail.com | www.jmenvironet.org

Corporate Office

Emaar Digital Greens, Tower-B, Unit No.1517,
Golf Course Ext. Road, Sector-61,
Gurugram-122011(Haryana)

1501



UTCL/BRCW/ENV/DFO/Plantation/2024-25/13

Date-26.07.2024

To,

The Divisional Forest Officer,
Prayagraj (U.P)

Subject: Request for Site Visit Regarding Plantation as per guidance better plantation in plant premises.

Dear Sir,

We are writing to request a visit to the site of M/s Ultratech Cement Limited in relation to the plantation as per the guidance.

During the visit, I intend to assess the status of plantation efforts, ascertain the level of compliance and identify any areas requiring immediate attention and remediation.

Your cooperation in facilitating this visit would be greatly appreciated.


Please let me know a convenient time for the visit, and if any specific arrangements need to be made beforehand.

Thank you for your attention to this matter. I look forward to your favourable response and the opportunity to conduct the visit.

Note- Please provide the certificate, I will be very grateful to you.

Yours sincerely,

for Ultratech Cement Limited (Unit: Bara Cement Works.)


(Sudhir Sharma)
AVP & Unit Head (Bara Cement Works)



UltraTech Cement Limited
(Unit : Bara Cement Works)

A/p : Lohgara, Tehsil : Bara, Distt. : Prayagraj (U.P.) 212107

Website : www.ultratechcement.com

Registered Office : 'B'Wing, Ahura Centre, 2nd Floor, Mahakall Caves Road, Andheri (East), Mumbai - 400093

T.: + 91 22 66917800 | CIN : L26940MH2000PLC128420

अदिति
उत्तराखण्ड
M
26-7-2024



हिन्दुस्तान

पेड़ लगाओ पद बढ़ाओ अभियान के अंतर्गत शंकरगढ़ में हुआ पौधरोपण।

शंकरगढ़ में वृहद रूप से किया गया पौधरोपण

शंकरगढ़। पेड़ लगाओ पद बढ़ाओ अभियान के अंतर्गत रविवार को अल्फाटिक परिसर में वन क्षेत्राधिकारी शंकरगढ़ एवं अल्फाटिक यूनिट बाग के यूनिट हेड की अध्यक्षता में परिसर में पौधों का रोपण किया गया। क्षेत्रीय वनधिकारी अजय कुमार एवं अल्फाटिक सीमेंट यूनिट बाग के यूनिट हेड सुधीर शर्मा के नेतृत्व में कई फालतुर पौधे लगाए गए। इस मौके पर क्षेत्रीय वन अधिकारी महेंद्र कुमार पंकज एवं कंपनी के टैरिफिकल हेड मनोज देसायी सहित अन्य अधिकारी एवं कर्मचारी मौजूद रहे।



20th 07/2024 11:04
Nishu ghosh



20th 07/2024 11:05
Nishu ghosh



20th 07/2024 11:06
Nishu ghosh



20th 07/2024 11:07
Nishu ghosh

20th 07/2024 11:07
Nishu ghosh



1503
क्षेत्रीय कार्यालय, उत्तर प्रदेश प्रदूषण नियंत्रण बोर्ड
REGIONAL OFFICE, U.P. POLLUTION CONTROL BOARD

संलग्नक - 5



आवास विकास परिषद कालोनी, सेक्टर-10, योजना संख्या-3, झोसी, प्रयागराज- 211019

Email-roprayagraj@uppcb.in

पत्रांक G01411/NATOA.NQ. 617 / 2022 / 2025

दिनांक 01/02/2025

सेवा में,

मेसर्स प्रयागराज पॉवर जनरेशन कम्पनी लि०,
ग्राम-लोहगरा, तहसील-बारा,
जनपद-प्रयागराज

मा० एन०जी०टी० प्रकरण
अतिआवश्यक / महत्वपूर्ण

विषय:- मा० एन०जी०टी० द्वारा ओ०ए० नं० 617/2022 पुष्पेन्दर बनाम स्टेट ऑफ यू०पी० व अन्य में पारित आदेश के अनुपालन के सम्बन्ध में।

महोदय,

कृपया उपरोक्त विषयक का सन्दर्भ ग्रहण करने का कष्ट करें। उक्त के सम्बन्ध में सूचित करना है कि मा० राष्ट्रीय हरित अधिकरण, नई दिल्ली द्वारा ओ०नं० 617/2022 श्री पुष्पेन्दर बनाम उ०प्र० राज्य व अन्य में दिनांक- 22.05.2024 को मा० अधिकरण द्वारा निर्देश के साथ निस्तारित किया गया था तथा मा० अधिकरण द्वारा पारित आदेश में दिये गये निर्देश के अनुपालन में सम्बन्धित रिस्पॉन्डेन्ट्स से रिपोर्ट दाखिल करने हेतु निर्देशित किया गया था। मा० अधिकरण द्वारा पारित आदेश दिनांक 22.05.2024 में निम्नवत् निर्देश दिया गया है :-

".....83. In view of the above, we consider issuance of appropriate directions to be essential and accordingly issue the following directions:-

- CPCB, Integrated Regional Office, MoEF & CC and UPSPCB are directed to evolve an effective mechanism of monitoring compliance with EC/consent conditions stipulated to the projects for ensuring environmental friendly sustainable development.
- Respondent no.4-PPGCL and respondent no. 5-UTCL being zero liquid discharge units are directed to ensure that treated industrial effluent and domestic sewage are used for industrial purposes/horticulture/plantation and are not discharged in storm water drain except during monsoon.
- Respondent no. 2-UPSPCB is directed to undertake requisite study through subject experts to examine quality and fitness of ground water for use as drinking water, ascertain the causes of contamination of ground water, recommend remedial measures required to be taken and direct the concerned Authorities and the Project Proponents, as the case may be, to take the same.
- Respondent no. 4-PPGCL is directed to ensure management and disposal of fly ash as per notifications issued by the MoEF & CC and guidelines issued by CPCB and UPSPCB.
- UPSPCB is directed to look into the aspect of requirement of installation of Dust Separation System and Dust Extraction system at additional points as recommended by the Joint Committee at the time of next inspection of PPGCL and UTCL and issue appropriate directions in this regard.
- UPSPCB is directed to perform the ambient air monitoring at Berui village to ascertain the pollution level in referenced area and look into the cause if PM10 (ug/m3) in front of the house of the applicant, if the same is higher than PM10 (ug/m3) at other locations and suggest remedial measures, if any required.
- The Divisional Forest Officer, Prayagraj is directed to verify the factual position as to whether respondents No. 4- PPGCL and 5-UTCL have developed green belt on 33 % of the project area which is stated to be measuring about 400 acres and 6.6 hectares respectively as mandated by EC and CTE/CTO consent conditions and to submit report within one month specifying the deficiencies of green belt/plantation in terms of area, location, number and nature of species of trees and suggesting measures required to be taken by respondents No. 4- PPGCL and 5-UTCL for remedying deficiencies of green belt/plantation and the budget amount required for the same.

क्रमशः 2/-पर...

- viii. Respondents no. 4-PPGCL and 5-UTCL are directed to ensure that such deficiencies of green belt/plantation so mentioned in the report of the Divisional Forest Officer, Prayagraj are remedied so that requisite green belt/plantation of requisite width around the periphery of the plants and over 33 % of the project area is raised during forth coming monsoon season and to file compliance report in this regard within four months.
- ix. Respondent No. 4 PPGCL is directed to take over the responsibility of maintenance, operation, payment of electricity bills, regulation of quality of water to be supplied and other decisions in respect ROs installed by it under its Corporate Social Responsibility and meet the requisite expenses out of its CSR fund and to file separate compliance report in this regard within two months.

84. Reports as mentioned above be filed by e-mail at judicialngt@gov.in preferably in the form of searchable PDF/OCR Supported PDF and not in the form of Image PDF, before the Ld. Registrar General, National Green Tribunal, Principal Bench, New Delhi who may, if necessary, put up the matter before this Bench for further directions.

85. The application is disposed of with the directions as mentioned above while leaving the parties to bear their own costs....."

प्रश्नगत प्रकरण पर मा0 अधिकरण में सुनवाई दिनांक 15.01.2025 को की गयी। मा0 अधिकरण द्वारा निम्नवत् आदेश पारित किया गया :-

.....5. The Registry is directed to issue notices to the respondents to show cause as to why appropriate action be not taken in terms of above mentioned provisions and also requiring them to file their reports 5 mentioning the steps taken in compliance with Judgment dated 22.05.2024.

6. List for further consideration 21.02.2025."

प्रश्नगत प्रकरण में उद्योग प्रतिवादी संख्या 04 के रूप में है। प्रश्नगत प्रकरण में मा0 एन0जी0टी0 द्वारा समस्त प्रतिवादी को दिनांक 31.01.2025 को नोटिस जारी की गयी है तथा मा0 अधिकरण द्वारा पारित आदेश में नियत तिथि से एक सप्ताह पूर्व रिस्पॉन्स रिपोर्ट मा0 अधिकरण में दाखिल की जानी है।

अतः उक्त के दृष्टिगत मा0 एन0जी0टी0 द्वारा दिनांक 22.05.2024 में दिये गये निर्देश के अनुपालन में की गयी कार्यवाही के सम्बन्ध में तथ्यात्मक रिपोर्ट 05 दिन के अन्दर प्रत्येक दशा में इस कार्यालय को प्रेषित करना सुनिश्चित करें, जिससे अग्रिम कार्यवाही की जा सके।

संलग्नक:-उपरोक्तानुसार।

भवदीय
01/2/25
(डॉ० एस०सी० शुक्ला)
क्षेत्रीय अधिकारी

प्रतिलिपि:-निम्नलिखित को सूचनार्थ एवं आवश्यक कार्यवाही हेतु प्रेषित:-

1. जिलाधिकारी महोदय, प्रयागराज।
2. सदरय सचिव महोदय, उ०प्र० प्रदूषण नियंत्रण बोर्ड, लखनऊ।
3. मुख्य पर्यावरण अधिकारी (वृत्त-2), उ०प्र० प्रदूषण नियंत्रण बोर्ड, लखनऊ।
4. मुख्य विधि अधिकारी (प्रभारी), उ०प्र० प्रदूषण नियंत्रण बोर्ड, लखनऊ।

क्षेत्रीय अधिकारी

PPGCL/Bara/ ENV/

Date: 04.02.2025

To,

Regional Officer
Uttar Pradesh State Pollution Control Board
Awasth Vikas Colony, Yojna-3, Sector -10,
Jhushi, Prayagraj, Uttar Pradesh - 221506

Sub: Compliance of direction issued by Hon'ble National Green Tribunal in O.A No. 617/2022 Pushpendra vs. Government of Uttar Pradesh in order dated-22.05.2024.

Ref: Letter no-G01411/NGT OA.NQ.617/2022/2025 dated-01st Feb 2025 from office of Regional Office U.P. Pollution Control Board, Prayagraj

Dear Sir,

With reference to the above-mentioned subject and letter no- G01411/NGT OA.NQ.617/2022/2025 dated-01st Feb 2025 from office of Regional Office U.P. Pollution Control Board, Prayagraj, the pointwise reply of relevant directions issued are given below:

1. Respondent no.4-PPGCL and respondent no. 5-UTCL being zero liquid discharge units are directed to ensure that treated industrial effluent and domestic sewage are used for industrial purposes/horticulture/plantation and are not discharged in storm water drain except during monsoon.

Reply: Water being reused through its Effluent Treatment Plant and Sewage Treatment Plant. The wastewater from the various areas of the plant through the Effluent Treatment Plant ("ETP"). The ETP installed at the project site has the pre-treatment, mechanical filters along with the ultra-filtration and reverse osmosis system. Further, the process of the working of the ETP is demonstrated hereinbelow through a diagram:-



The working has been briefly explained herein below: -

- i. All the effluent is sent to ETP at Central Monitoring Basin -2, which is a storage tank for the mixing of various effluent.
- ii. Using feed pump the Central Monitoring Basin -2 water is taken to the Clarifiers for the clarification. After chemical treatment at Pretreatment plant, the Clarified water is stored at Clarified water storage tank.
- iii. Using filter feed pump the clarified water is directed to filter media (DMF). Each filter is backwashed as and when required.
- iv. Filter outlet water is taken to UF followed by RO skid through cartridge filter. RO Booster pump is used to provide the required pressure for RO.

Prayagraj Power Generation Company Limited

Registered Office : Shatabdi Bhawan, B 12 & 13, Sector 4, Gautam Budh Nagar, Noida, Uttar Pradesh - 201301

Phone: + 91-120-6102000/6102208 CIN: U40101UP2007PLC032835

Plant Address : P.O. - Lohgara, Tehsil - Bara, Prayagraj (Allahabad), Uttar Pradesh - 212107

Phone: + 91-7525006400/ 8528846666, Web:-ppgcl.co.in, Email:-ppgcl@ppgcl.co.in

- v. RO permeate is stored in Permeate storage tank.
- vi. Using the makeup pump/ gravity, the water is taken from RO permeate Tank to cooling tower forebay as make up.
- vii. Reject from ETP is collected in Central Monitoring Basin -1 and discharging to Ash Handling Plant for the deashing purpose.
 - (a) The water treated from the ETP area is used in cooling water system as a make up in place of fresh water. The reject which is generated from the ETP plant is diverted to the Ash handling plant for the bottom ash deashing purpose. The photographs of the ETP installed at the premises is annexed herewith and marked as EXHIBIT-A.
 - (b) The Sewage Treatment Plant ("STP") which processes wastewater collected from various locations, ensuring it is treated according to practices and that the outlet parameters meet the required norms. The treated water from the STP is utilized for horticulture and gardening purposes. The photographs of the STP installed at the premises is annexed herewith and marked as EXHIBIT-B.

2. Respondent no. 4-PPGCL is directed to ensure management and disposal of fly ash as per notifications issued by the MoEF & CC and guidelines issued by CPCB and UPSPCB.

Reply: The ash generated comprises both fly ash and bottom ash, which are effectively managed in compliance with extant norms and industry best practices. Fly ash is collected in silos with adequate storage capacity and is primarily sent to Cement Plants and other users through pneumatic transfer to the adjacent grinding unit of M/s UltraTech Cement Ltd. (i.e., the Respondent No. 5) or transported via bulkers to various stakeholders.

(a) The bottom ash, along with any unutilized fly ash not lifted directly from silos, is disposed of through a Concentration Slurry Disposal ("CSD") system to the ash pond. Thereafter the supernatant water from the ash pond is recovered in a stilling pond and pumped back to the plant for reuse in slurry preparation, thereby optimizing water utilization and minimizing wastage.

(c) The Fly Ash Brick/Paver Block Manufacturing Unit in collaboration with Gramin Vikas Samittee, an NGO, where community members have been trained to utilize fly ash in brickmaking, promoting sustainable development in the surrounding community.

(d) Ensure maximum utilization of fly ash, signed Memorandums of Understanding ("MOUs") with various Cement Plants, road construction companies, and other users for the supply of ash. Although these MOUs do not specify fixed quantities of ash to be lifted or supplied, they have facilitated significant utilization, with M/s UltraTech Cement Ltd. being the largest consumer/ procurer of fly ash.

(e) Over the last five years, fly ash has been supplied to multiple agencies, including ACC Limited, Jaypee Rewa Plant, Birla Corporation Limited, PRISM, and RCCPL Private Limited, among others. Disposal and transportation are continuously being carried out through bulkers and dumpers to ensure efficient and timely delivery. The aforesaid efforts highlight commitment to environmentally responsible ash management. In this regard, the photographs demonstrating the safe utilization of fly ash are annexed herewith and marked as EXHIBIT-C.

3. Respondents no. 4-PPGCL and 5-UTCL are directed to ensure that such deficiencies of green belt/plantation so mentioned in the report of the Divisional Forest Officer, Prayagraj are remedied so that requisite green belt/plantation of requisite width around the periphery of the plants and over 33 % of the project area is raised during forth coming monsoon season and to file compliance report in this regard within four months.

Prayagraj Power Generation Company Limited

Registered Office : Shatabdi Bhawan, B 12 & 13, Sector 4, Gautam Budh Nagar, Noida, Uttar Pradesh - 201301

Phone: + 91-120-6102000/6102208 CIN: U40101UP2007PLC032835

Plant Address : P.O. - Lohgara, Tehsil - Bara, Prayagraj (Allahabad), Uttar Pradesh - 212107

Phone: + 91-7525006400/ 8528846666, Web:-ppgcl.co.in, Email:-ppgcl@ppgcl.co.in

Reply: According to a survey conducted by Indian Institute of Technology ("IIT") BHU, Varanasi, we have successfully developed a green belt covering 508 acres. Further planted approximately 3,77,375 number of saplings in and around its plant premises.

(a) In this regard *vide* its letter dated 06.09.2024, 14.01.2025 and 17.01.2025 issued to Social Forestry, Forest Division intimated about the details of the saplings planted in and around the plant premises.

(b) In this regard *vide* its letter dated 11.11.2024 apprised the Director Horticulture about the green belt area developed and requested the Director to issue the certification of the greenbelt developed. The copies of the letters dated 06.09.2024, 11.11.2024, 14.01.2025 and 17.01.2025 issued to various state instrumentalities demonstrating the number of saplings planted is annexed herewith and marked as **EXHIBIT-D**.

(c) The species of sapling like Neem, Seesham; Karanj; Pipal; Bargad; Kadam; Alstonia; Gulmohar; Bamboo; Ashoka; Imli; Amla; Mango; Guava; Bougenvillia; Champa and Kanail. A copy of the polygon map prepared by IIT BHU, Varanasi demonstrating the green belt area is annexed herewith and marked as **EXHIBIT-E**.

4. Respondent No. 4 PPGCL is directed to take over the responsibility of maintenance, operation, payment of electricity bills, regulation of quality of water to be supplied and other decisions in respect ROs installed by it under its Corporate Social Responsibility and meet the requisite expenses out of its CSR fund and to file separate compliance report in this regard within two months.

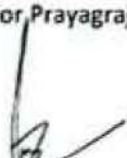
Reply: We have completely taken over itself, the maintenance, operation and other expenditure linked with all the RO plant units installed in the villages, in line with its Corporate Social Responsibility ("CSR") commitment. Moreover, the RO plants are now functional and operating.

This is for your information and record please.

Thanking You,

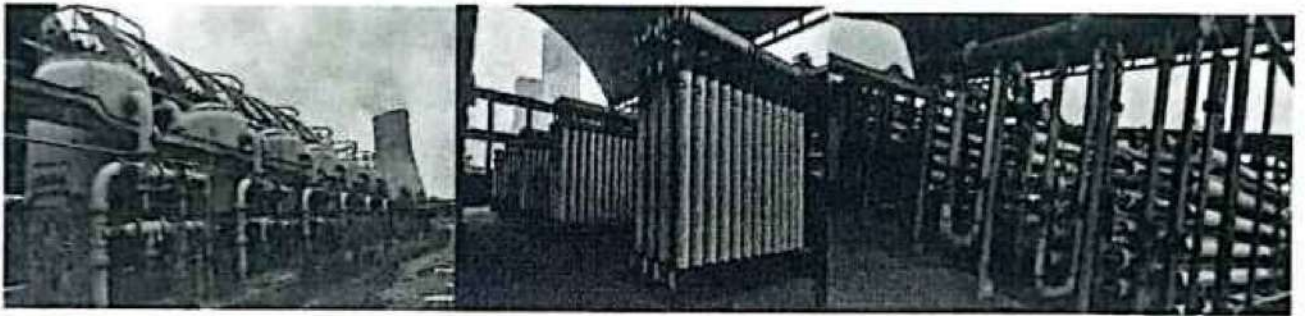
Sincerely

For Prayagraj Power Generation Company Limited


S H Pandey
Chief O & M Services

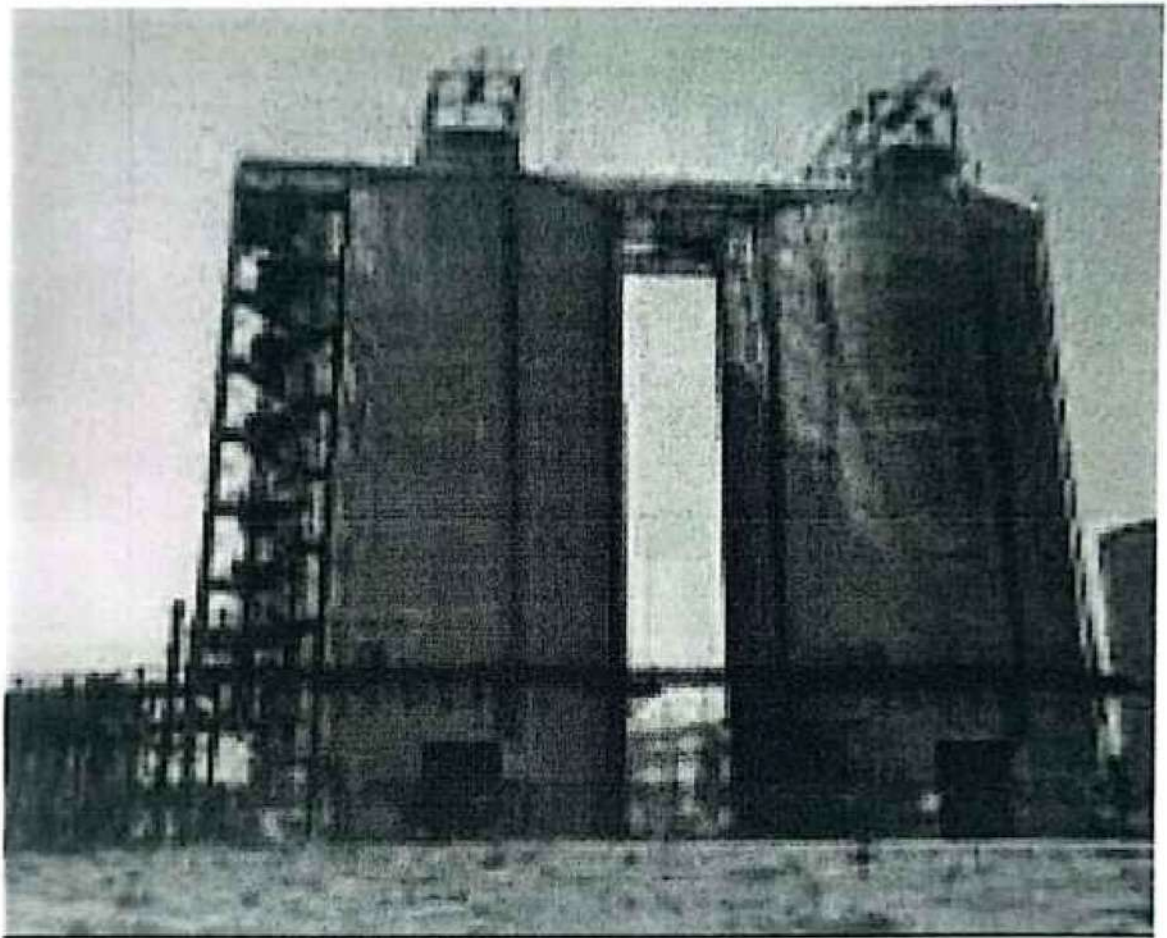
Cc: The Collector, Prayagraj
The Member Secretary, UPPCB Lucknow
The Chief Environment Officer (Circle-2), UPPCB Lucknow
The Chief Law Officer (In charge), UPPCB Prayagraj

Effluent Treatment Plant

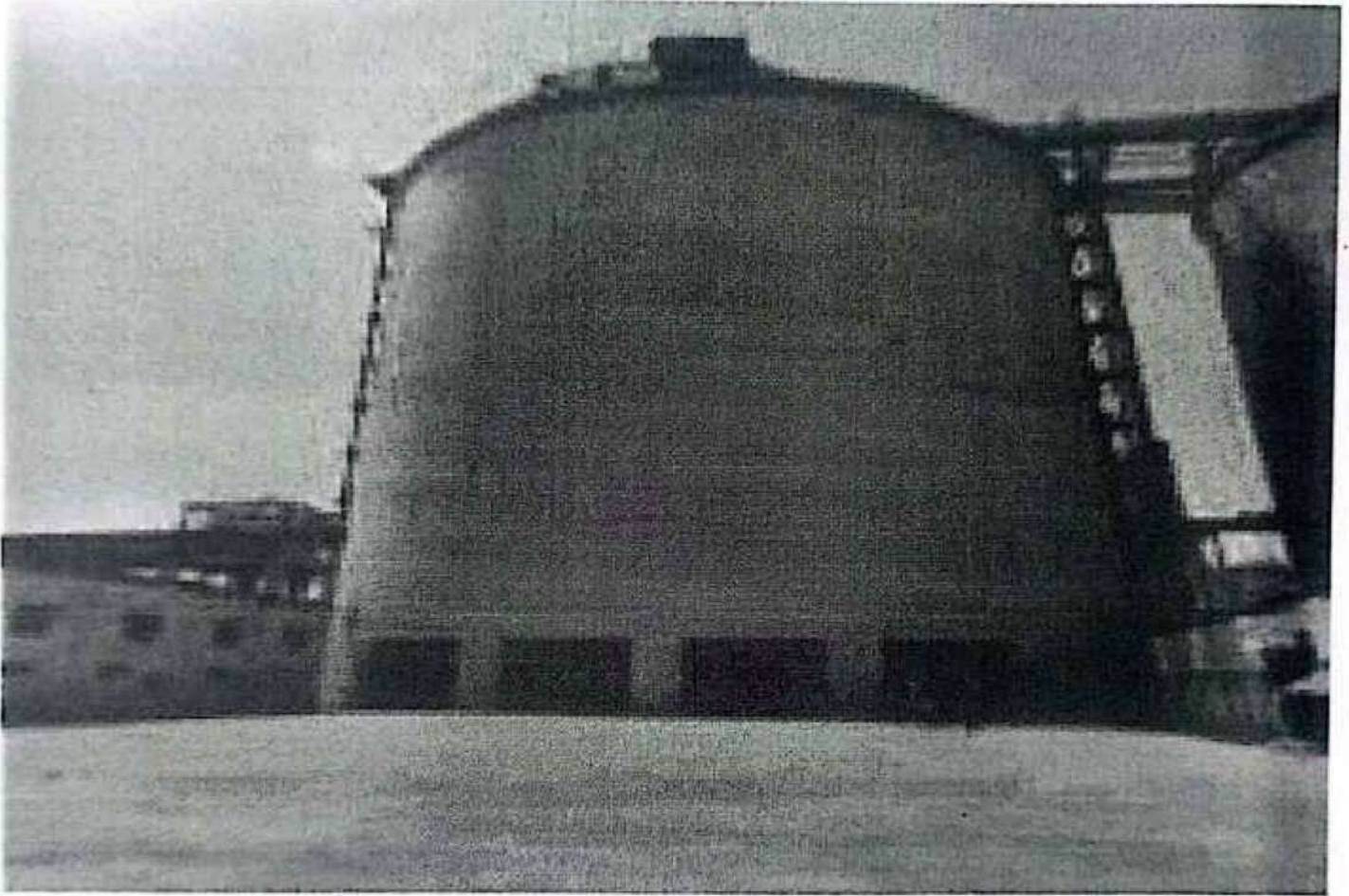


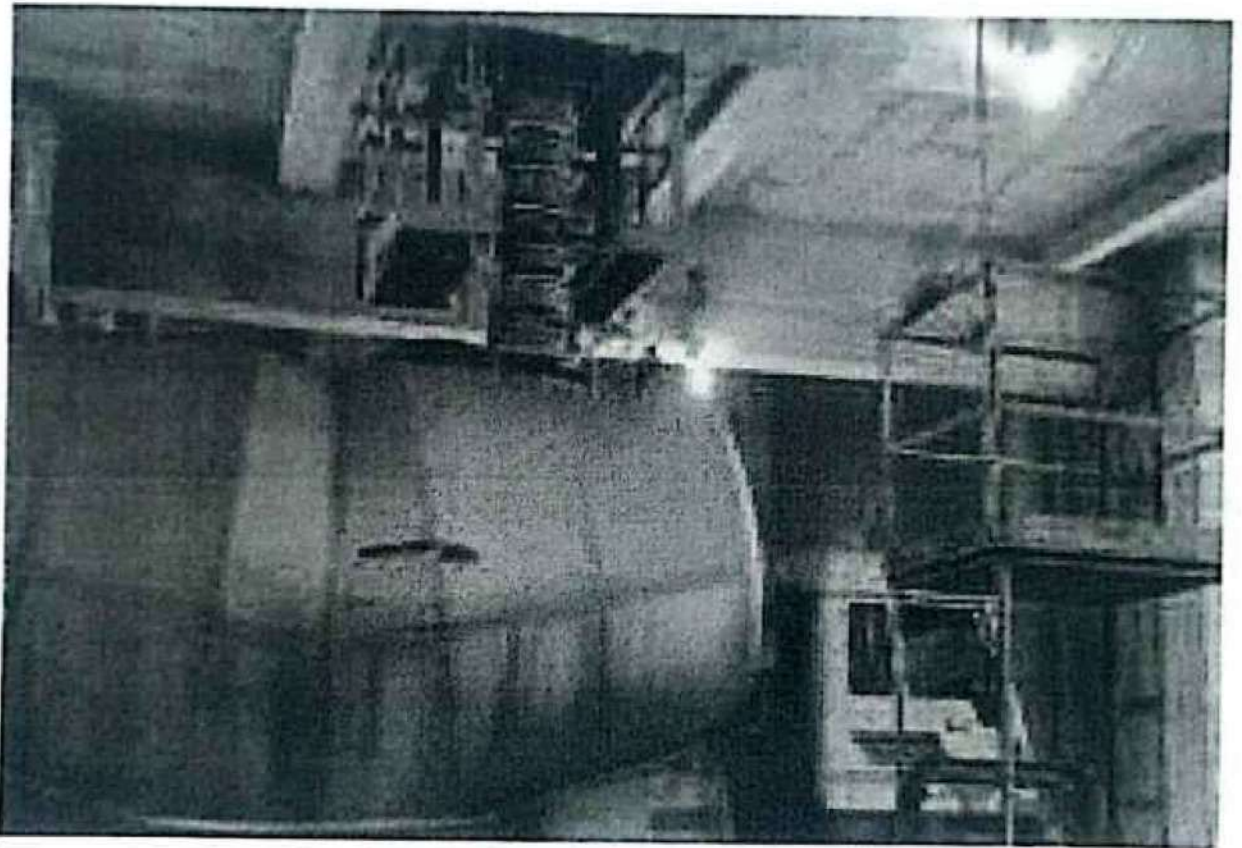
Sewage Treatment Plant

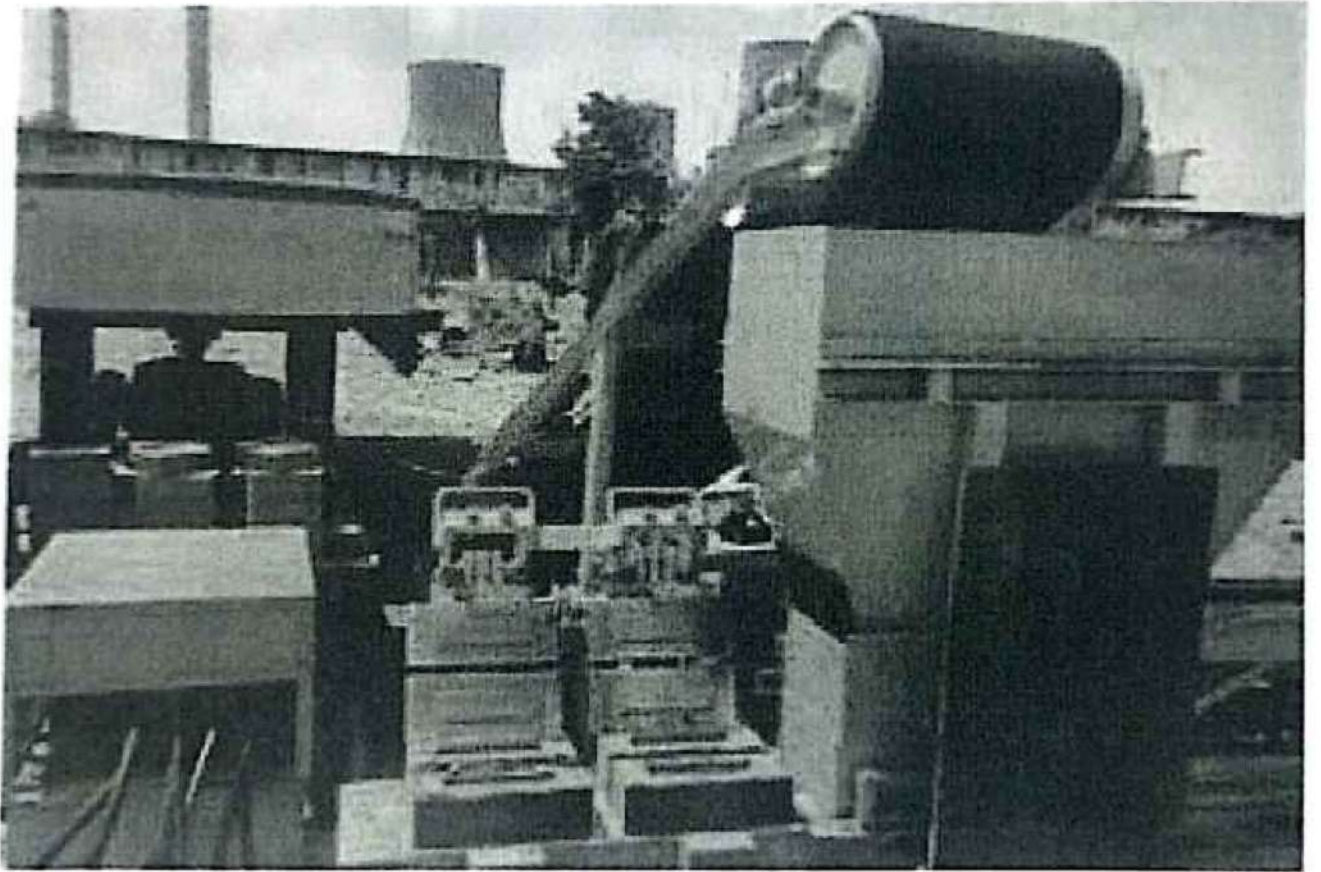




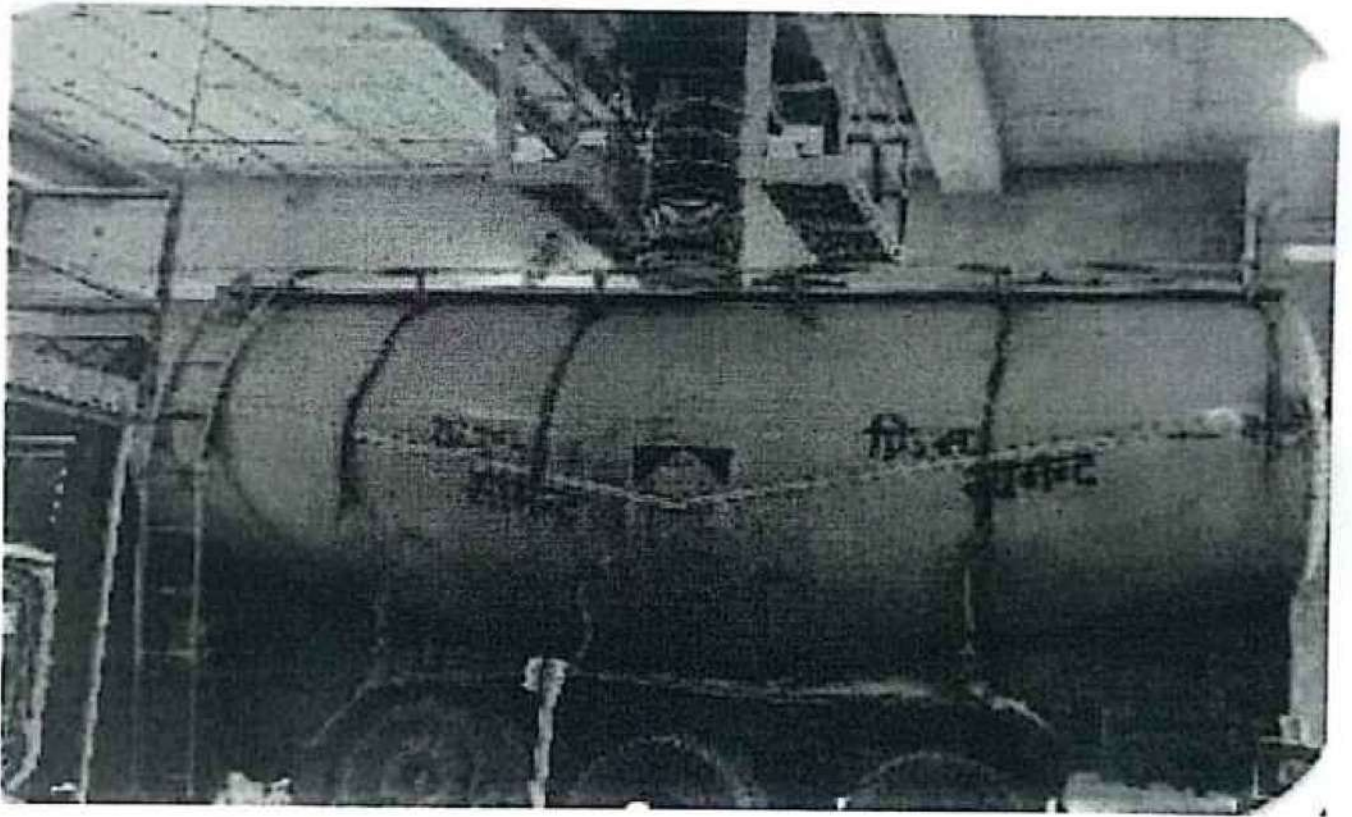
1511











PPGCL/Bara/ ENV/ 423

Date: 06.09.2024

To,

Sub Divisional Forest Officer
Social Forestry Forest Division
Pandit Madan Mohan Malviya Park (Minto Park)
Prayagraj, Uttar Pradesh 211001

Sub: Regarding compliance of order dated 22.05.2024 passed in Original Application No. 617/2022 Pushpendra vs. Government of Uttar Pradesh and others pending in Hon'ble National Green Tribunal, New Delhi.

Ref: Letter no-51/22-10 dated-08th August 2024 from office of Sub Divisional Forest Officer Prayagraj, Social Forestry Division Prayagraj

Dear Sir,

With reference to the above-mentioned subject and letter no-51/22-10 dated-08th August 2024 from office of Sub Divisional Forest Officer Prayagraj , Social Forestry Division Prayagraj , this is to inform that till FY 2023-24 we have planted around 3.49 lakh saplings of 9-10 species in various places of the plant like Coal handling plant, Ash pond area, Cooling tower area, DM plant area, Admin area and Township area which includes Neem, Peepal, Jamun, Karanja, Sheesham, Kadam, Gulmohar, Kachnar, Amaltas etc.

This is for your information and record please.

Thanking You,

Sincerely

For Prayagraj Power Generation Company Limited



S H Pandey

जवन प्रशासक व मंडल विभाग
सामाजिक वानिकी प्रभाग
प्रयमिसन

Regional Director office Social Forestry Forest Division Prayagraj

26/9/2024

Prayagraj Power Generation Company Limited

Registered Office : Shatabdi Bhawan, B 12 & 13, Sector 4, Gautam Budh Nagar, Noida, Uttar Pradesh - 201301
Phone: +91-120-6102000/6102208 LIN: U40101UP200/PLCU32835

Plant Address : P.O. Lohgara, Tehsil - Bara, Prayagraj (Allahabad), Uttar Pradesh - 212107
Phone: +91-7525006400/ 8528846666, Web:-ppgcl.co.in, Email:-ppgcl@ppgcl.co.in

1517



PPGCL/Bara/ ENV/450

Date: 11.11.2024

To,

Dr. V.B. Dwivedi (Director Horticulture)
Udyan Bhawan, 2 Sapru Marg
Lucknow, Uttar Pradesh 226001

Sub: Request for certification of green belt area of PPGCL.

Dear Sir,

With reference to the above-mentioned subject, Prayagraj Power Generation Company Limited (PPGCL) is a 3 x660 MW capacity coal fired supercritical thermal power plant at Bara tehsil of Prayagraj district in the state of Uttar Pradesh.

As per the Environment Clearance states that a green belt of adequate width and density shall be developed around the plant periphery covering 1/3 of total area preferably with local species.

We have planted saplings of different species in various places of the plant like Coal handling plant, Ash Pond area, Cooling tower area, DM plant area, Admin area and Township area which includes Neem, Peepal, Jamun, Karanja, Sheesham, Kadam, Gulmohar, Kachnar, Amaltas etc.

We request your kind intervention for enabling Compliance by certification of the green belt for compliance at PPGCL. Further based on your recommendation, we shall do continue to maintain the same as advised, for time to time, as part of compliance.

Thanking You,
Sincerely

For Prayagraj Power Generation Company Limited

S H Pandey
Chief O & M Services

Prayagraj Power Generation Company Limited

Registered Office : Shatabdi Bhawan, B 12 & 13, Sector 4, Gautam Budh Nagar, Noida, Uttar Pradesh - 201301
Phone: +91-120-6102000/6102208 CIN: U40101UP2007PLC032835

Plant Address : P.O. - Lohgara, Tehsil - Bara, Prayagraj (Allahabad), Uttar Pradesh - 212107
Phone: +91-7525006400/ 8528846666, Web:-ppgcl.co.in, Email:-ppgcl@ppgcl.co.in

1518

PPGCL

Prayagraj Power Generation Company Limited

PPGCL/Bara/ ENV/478

Date: 14.01.2025

To,

Divisional Director
Social Forestry
Forest Division
Prayagraj

Sub: Compliance of direction issued by Hon'ble National Green Tribunal in O.A No. 617/2022 Pushendra vs. Government of Uttar Pradesh and others in order dated-22.05.2024.

Ref: Letter no-G01304/NGT OA.No.617/2022/2025 dated-03rd January 2025 from Regional Office U.P. Pollution Control Board, Prayagraj

Dear Sir,

With reference to the above-mentioned subject and letter no- G01304/NGT OA.No.617/2022/2025 dated-03rd January 2025 from Regional Office U.P. Pollution Control Board, Prayagraj, the details of plantation/green belt report is enclosed as **Annexure-1**.

This is for your information and record please.

Thanking You,

Sincerely

For Prayagraj Power Generation Company Limited



S H Pandey
Chief O & M Services

Cc: The Collector, Prayagraj

The Chief Environment Officer (Circle-2), UPPCB Lucknow

The Regional Officer, UPPCB Prayagraj

Prayagraj Power Generation Company Limited

Registered Office : Shatabdi Bhawan, B 12 & 13, Sector 4, Gautam Budh Nagar, Noida, Uttar Pradesh - 201301

Phone: + 91-120-6102000/6102208 CIN: U40101UP2007PLC032835

Plant Address : P.O. - Lohgara, Tehsil - Bara, Prayagraj (Allahabad), Uttar Pradesh - 212107

Phone: + 91-7525006400/ 8528846666, Web:-ppgcl.co.in, Email:-ppgcl@ppgcl.co.in

Prayagraj Power Generation Co. Ltd. Bara, Prayagraj						Annexure-1	
Plantation report & Plan							
Details of Green Belt Development							
Sl. No.	Month/ Year	Area Location	Plant Species	Nos	Total Number of Sapling Planted	Total Number of Sapling Survived	Sapling Survival rate (%)
1	Year-2011-12	CHP, Township, School, DM Plant, Railway area, BTG area, L.Camp area	Neem	2100	17500	15500	88.6
			Pipal	700			
			Sheesham	2000			
			Karanj	2000			
			Jamun	1200			
			Arjun	1000			
			Chitwan	1000			
			Amaltas	1200			
			Amla	1000			
			Kadam	2000			
			Mango	1000			
			Cassia	500			
			Gulohar	800			
Bottle Brush	1000						
2	Year-2012-13	CHP, Township, School, DM Plant, Railway area, BTG area, L.Camp area	Neem	400	4411	3750	85.0
			Pipal	500			
			Sheesham	711			
			Karanj	400			
			Jamun	500			
			Arjun	500			
			Chitwan	300			
			Amaltas	600			
			Kadam	500			
			3	Year-2013-14			
Pipal	500						
Sheesham	5000						
Karanj	5000						
Jamun	6000						
Arjun	7000						
Chitwan	1000						
Amaltas	4000						
Amla	3000						
Kadam	7000						

			Mango	2000			
			Cassia	8000			
			Gulohar	8000			
			Bottle Brush	6000			
			Shagwan	10000			
			Kachnaar	12034			
4	Year-2014-15	CHP,Township, School,DM Plant,Railway area,BTG area,L.Camp area,50 KT Silo	Chitwan	2000	24113	20496	85
			Amaltas	1000			
			Amla	900			
			Kadam	1000			
			Mango	100			
			Cassia	800			
			Gulohar	1000			
			Bottle Brush	1000			
			Shagwan	1000			
			Kachnaar	813			
			Neem	1000			
			Pipal	400			
			Sheesham	1000			
			Karanj	1500			
			Jamun	900			
			Arjun	1000			
			Ashok Sita	1000			
			Bamboo	5000			
			Foxtail Palm	1500			
			Siras	1200			
5	Year-2015-16	DM Plant,Railway area,BTG area,L.Camp area,50 KT Silo,OHC,Old Camp Area,Grinding Unit	Kadam	500	8352	7016	84
			Mango	700			
			Cassia	800			
			Gulohar	1000			
			Bottle Brush	600			
			Shagwan	700			
			Kachnaar	500			
			Neem	448			
			Pipal	400			
			Sheesham	600			
			Karanj	1004			
			Jamun	600			
			Arjun	500			
6	Year-2016-17	Railway area,BTG area,L.Camp area,50 KT	Siras	1500	20090	17077	85
			Mango	500			
			Cassia	1200			

		Silo,OHC,Old Camp Area,Grinding Unit	Gulohar	1500			
			Bottle Brush	800			
			Shagwan	1400			
			Kachnaar	1000			
			Neem	1000			
			Pipal	590			
			Sheesham	1400			
			Karanj	1200			
			Jamun	800			
			Arjun	1800			
			Ashok Sita	1200			
			Bamboo	2000			
			Foxtail Palm	800			
			Amaltas	1400			
7	Year-2017-18	CHP,Township, School,DM Plant,Railway area,BTG area,L.Camp area,50 KT Silo,Ash Pond area	Washingtonia Palm	2000	44987	35990	80
			Juniprush	1500			
			Bamboo	4000			
			Gulohar	2000			
			Bottle Brush	3200			
			Shagwan	3087			
			Kachnaar	2300			
			Neem	2000			
			Pipal	1700			
			Sheesham	2500			
			Karanj	2000			
			Jamun	1000			
			Arjun	2000			
			Ashok Sita	1800			
			Sisra	2000			
			Imli	2000			
			Mango	1000			
			Cassia	2000			
			Exora tall	2600			
			Mahua	1000			
			Guava	3300			
8	Year-2018-19	CHP,Township, School,DM Plant,Railway area,BTG area,L.Camp area,50 KT Silo,Ash Pond area	Karanj	1000	29458	24156	82
			Jamun	1600			
			Kadam	1000			
			Mango	500			
			Cassia	6500			
			imli	1800			

			Guava	2200			
			Arjun	1900			
			Chitwan	1800			
			Amaltas	2200			
			Amla	1000			
			Shagwan	1000			
			Bamboo	1000			
			Gulmohar	1000			
			Bottle Brush	500			
			Shagwan	1042			
			Kachnaar	1500			
			Neem	400			
			Pipal	516			
			Sheesham	1000			
9	Year- 2019-20	Township, School,DM Plant,Railway area,BTG area,L.Camp area,50 KT Silo,Ash Pond area, Plant Boundary	Arjun	1500	33598	28390	84.5
			Chitwan	1200			
			Amaltas	2000			
			Amla	1100			
			Shagwan	1600			
			Bamboo	2898			
			Gulmohar	800			
			Bottle Brush	1200			
			Shagwan	1800			
			Bargad	1000			
			Kachnaar	1600			
			Neem	1700			
			Pipal	1000			
			Sheesham	1800			
			Karanj	1500			
			Jamun	1500			
			Kadam	1800			
			Sahtoot	1000			
			Mango	400			
			Cassia	1000			
			imli	800			
			Pakar	2400			
			Mahua	2000			
10	Year- 2020-21	CHP,Plant area (Fire station, DM Plant, within plant),Hospital & School,Township,Horticulture	Amla	200	14500	12325	85
			Shagwan	1000			
			Bamboo	500			
			Gulmohar	800			
			Bottle Brush	200			

			Shagwan	1000			
			Kachnaar	500			
			Neem	1500			
			Pipal	500			
			Sheesham	1500			
			Karanj	1500			
			Jamun	1400			
			Kadam	1000			
			Mango	800			
			Cassia	800			
			imli	500			
			Guava	800			
11	Year- 2021-22	CHP, Plant area (Fire station, DM Plant, within plant), Hospital & School, Township, Horticulture	Neem	3000	25000	21625	86.5
			Pipal	1000			
			Sheesham	2000			
			Karanj	1200			
			Jamun	1500			
			Kadam	2000			
			Mango	500			
			Cassia	1000			
			imli	500			
			Guava	800			
			Arjun	1000			
			Bargad	1000			
			Amaltas	1000			
			Amla	500			
			Shagwan	2000			
			Bamboo	4000			
			Gulmohar	1000			
			Kachnaar	1000			
12	Year- 2022-23	Township, School, DM Plant, Railway area, BTG area, L. Camp area, 50 KT Silo, Ash Pond area, Plant Boundary, etc.	Bargad	1000	20526	17652	86
			Kachnaar	1000			
			Neem	1200			
			Pipal	500			
			Sheesham	2000			
			Karanj	1300			
			Jamun	500			
			Kadam	800			
			Mango	200			
			Cassia	600			
			imli	526			
			Guava	300			

			Arjun	700			
			Bargad	1000			
			Amaltas	1500			
			Amla	700			
			Shagwan	2000			
			Bamboo	3500			
			Gulmohar	1200			
13	Year-2023-24	Township, School,DM Plant,Railway area,BTG area,L.Camp area,50 KT Silo,Ash Pond area, Plant Boundary, CHP area, etc.	Kachnaar	500	14288	.12859	90
			Neem	1500			
			Pipal	510			
			Sheesham	1500			
			Karanj	1500			
			Jamun	1400			
			Kadam	500			
			Mango	800			
			Cassia	800			
			imli	790			
			Guava	288			
			Amla	200			
			Conocarpas	1000			
			Shagwan	500			
			Bamboo	500			
			Gulmohar	800			
			Bottle Brush	200			
			Shagwan	1000			
14	Year-2024-25	Township, School,DM Plant,BTG area,50 KT Silo,Ash Pond-2 area, CHP area,Admin, Service Building,Hostels etc.	Jamun	1000	29018	27567	95
			Kadam	500			
			Mango	500			
			Cassia	500			
			Imli	500			
			Guava	500			
			Arjun	1000			
			Bargad	1000			
			Amaltas	1000			
			Amla	800			
			Shagwan	1200			
			Bamboo	3918			
			Gulmohar	500			
			Kachnaar	8000			
			Neem	1000			
			Pipal	500			
			Sheesham	1000			

			Karanj	700			
			Pakar	400			
			Conocarpas	1500			
			Juniprush	1000			
			Bottle Brush	1000			
			Washingtonia Palm	1000			
	Total				377375		

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PPGCL/Bara/ ENV/483

Date: 17.01.2025

To,

Sub Divisional Forest Officer
Social Forestry Forest Division
Pandit Madan Mohan Malviya Park (Minto Park)
Prayagraj, Uttar Pradesh 211001

Sub: Compliance of direction issued by Hon'ble National Green Tribunal in O.A No. 617/2022 Pushendra vs. Government of Uttar Pradesh in order dated-22.05.2024.

Ref: Letter no-184/22-10 dated-09th January 2025 from Sub Divisional Forest Officer, Social Forestry, Forest Division Prayagraj.

Dear Sir,

With reference to the above-mentioned subject and letter no- 184/22-10 dated-09th January 2025 from Sub Divisional Forest Officer, Social Forestry, Forest Division Prayagraj, the details of plantation/green belt report is enclosed as Annexure-1 and polygon map of planted plants is enclosed as Annexure-2.

This is for your information and record please.

Thanking You,

Sincerely

For Prayagraj Power Generation Company Limited

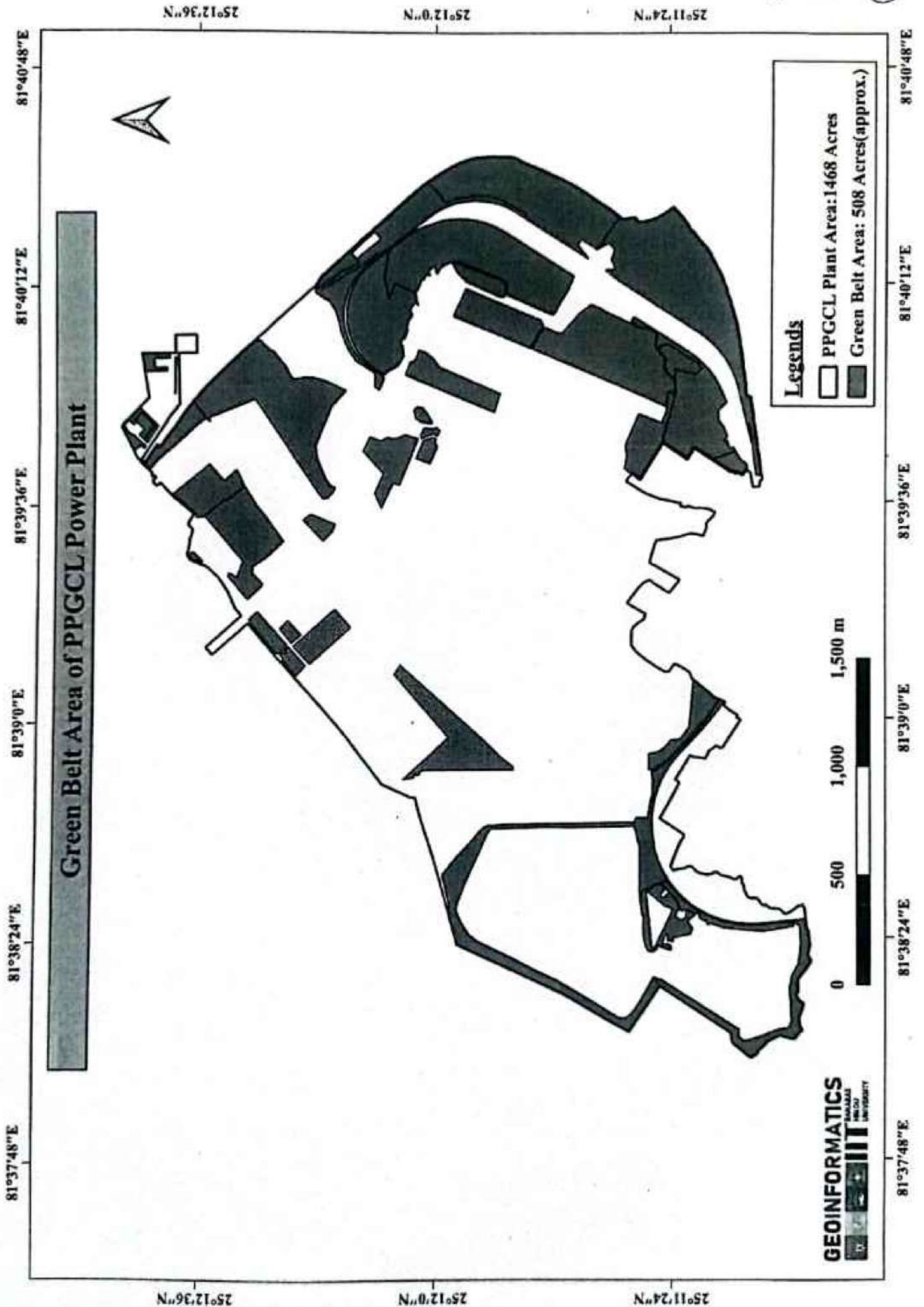
S H Pandey
Chief O & M Services

Cc: The Divisional Director, Social Forestry, Forest Division Prayagraj
The Regional Forest Officer , Shankargarh Prayagraj

Prayagraj Power Generation Company Limited

Registered Office : Shatabdi Bhawan, B 12 & 13, Sector 4, Gautam Budh Nagar, Noida, Uttar Pradesh - 201301
Phone: + 91-120-6102000/6102208 CIN: U40101UP2007PLC032835

Plant Address : P.O. - Lohgara, Tehsil - Bara, Prayagraj (Allahabad), Uttar Pradesh - 212107
Phone: + 91-7525006400/ 8528846666, Web:-ppgcl.co.in, Email:-ppgcl@ppgcl.co.in



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UTTAR PRADESH POLLUTION CONTROL BOARD

Building, No TC-12V Vibhuti Khand, Gomti Nagar, Lucknow-226010

Phone:0522-2720828,2720831, Fax:0522-2720764, Email: info@uppcb.com, Website: www.uppcb.com

CONSENT ORDER

Ref No. -
102087/UPPCB/Allahabad(LAB)/CTO/water/AL
LAHABAD/2020

Dated : 29/12/2020

To ,

Shri BRAJESH SINGH
M/s PRAYAGRAJ POWER GENERATION COMPANY LIMITED
Prayagraj Power Generation Company Limited PO- Lohgara, Tehsil- Bara,
.PRAYAGRAJ.212107
ALLAHABAD

Sub : Consent under Section 25/26 of The Water (Prevention and control of Pollution) Act, 1974 (as amended) for discharge of effluent to M/s. PRAYAGRAJ POWER GENERATION COMPANY LIMITED

Reference Application No :9358647

Dated :29/12/2020

1. For disposal of effluent into water body or drain or land under The Water (Prevention and control of Pollution) Act,1974 as amended (here in after referred as the act) M/s. PRAYAGRAJ POWER GENERATION COMPANY LIMITED is hereby authorized by the board for discharge of their industrial effluent generated through ETP for irrigation/river through drain and disposal of domestic effluent through septic tant/soak pit subject to general and special conditions mentioned in the annexure ,in refrence to their foresaid application .
2. This consent is valid for the period from 01/01/2021 to 31/12/2025 .
3. In spite of the conditions and provisions mentioned in this consent order UP Pollution Control Board reserves its right and powers to reconsider/amend any or all conditions under section 27(2) of the Water (Previntion and Controt of Pollution) Act, 1974 as amended .

This consent is being issued with the permission of competent authority .

Ajay Kumar Sharma
Digitally signed by
Ajay Kumar Sharr
Date: 2020.12.29
18:21:04 +05'30'

For and on behalf of U.P. Pollution Control Board

Chief Environmental Officer (circle-2)

Enclosed : As above
(condition of consent):

Copy to: Regional Officer, U.P. Pollution Control Board, Prayagraj with direction to send the compliance report of consent conditions on quarterly basis.

Ajay Kumar Sharma
Digitally signed by Ajay Kumar
Sharma
Date: 2020.12.29 18:21:21 +05'
Chief Environmental Officer (circle-2)

**Annexure to Consent issued to M/s.PRAYAGRAJ POWER GENERATION COMPANY LIMITED
vide**

Consent Order No. 9358647/ Water

Dated : 29/12/2020

CONDITIONS OF CONSENT

1. This consent is valid only for the approved production capacity of electricity generation -1980 MW (3x660 MW).
2. The quantity of maximum daily effluent discharge should not be more than the following :

Effluent Discharge Details			
S.No	Kind of Effluent	Maximum daily discharge, KL/day	Treatment facility and discharge point
1	Domestic	400 KLD treated effluent shall be reused for dust suppression and irrigation.	STP
2	Industrial	15000 KLD treated effluent shall be 100 % recycled in process, dust suppression and irrigation. Ash pond water shall be recycled through AWRS and shall maintain zero effluent discharge	ETP

3. Arrangement should be made for collection of water used in process and domestic effluent separately in closed water supply system. The treated domestic and industrial effluent if discharged outside the premises, if meets at the end of final discharge point, arrangement should be made for measurement of effluent and for collecting its sample. Except the effluent informed in the application for consent no other effluent should enter in the said arrangements for collection of effluent. It should also be ensured that domestic effluent should not be discharged in storm water drain .
- 4(a) The domestic effluent should be treated in treatment plant so that the should be in conformity with the following norms dated treated effluent .

Domestic Effluent		
S.No	Parameter	Standard
1	Total Suspended Solids	As per notification of MoEF&CC.
2	BOD	As per notification of MoEF&CC.
3	COD	As per notification of MoEF&CC.
4	Oil & Grease	As per notification of MoEF&CC.

- 4(b). The industrial effluent should be treated in treatment plant so that the treated effluent should be in conformity with the following norms. .

Industrial Effluent		
S.No	Parameter	Standard
1	Total Suspended Solids	100 mg/l
2	BOD	30 mg/l
3	COD	250 mg/l
4	Oil & Grease	10 mg/l

5. Effluent generated in all the processes, bleed water, cooling effluent and the effluent generated from washing of floor and equipments etc should be treated before its disposal with treated industrial effluent so that it should be according to the norms prescribed under The Environment (Protection) Act, 1986 or otherwise mandatory .
6. The other pollutant for which norms have not been prescribed, the same should not be more than the norms prescribed for the water used in manufacturing process of the industry .
7. The method for collecting industrial and domestic effluent and its analysis should be as per legal Indian standards and its subsequent amendments/standards prescribed under The Environment (Protection) Act, 1986.
8. The treated domestic and industrial effluent be mixed (as per the provisions of Condition No. 2) and disposed of on one disposal point. This common effluent disposal point should have arrangement for flow meter/V Notch for measuring effluent and its log book be maintained .
9. The Unit will file the renewal application at least 2 months prior to the expiry of this Order.

Specific Conditions:

1. This consent is valid for electricity generation -1980 MW (3x660 MW).
2. Thermal Power Plant shall ensure that water consumption does not exceed 3.5 cubic meter/MWh as laid down for Thermal Power Plant commissioned before 01.01.2017.
3. The industry shall install Electro Magnetic Flow meter at water withdrawal source, inlet of ETP and STP. The logbook of flow meter reading shall be maintained.
4. Industry shall treat DM plant, Back Wash, Cooling Tower Blow down effluent through RO based ETP. RO reject shall be used for Ash slurry and sent to Ash pond and recycle permeate in the process. Ash pond water shall be 100% recycled through AWRS and shall maintain zero effluent discharge.
5. Domestic effluent shall be treated through STP and treated water shall be used for irrigation and water sprinkling within the premises.
6. The industry shall operate and maintain Online Continuous Effluent Monitoring System effectively and data shall be transmitted to CPCB server. OCEMS system shall be calibrated on six monthly basis through recognized agency and calibration certificate should be submitted to UPPCB.
7. The industry shall comply with the conditions of Environmental Clearance issued by MoEF&CC Govt of India and its compliance report should be submitted to UPPCB regularly.
8. Industry shall comply with the conditions of NOC issued by the Board vide letter dated 10-03-2011.
9. Industry shall comply with the Fly Ash notification No. S.O. 254(E). dated 25-01-2016 of MoEF&CC Govt. of India. Proposal for fly ash utilization shall be submitted within 01 month and detail of Fly ash disposal shall be submitted on quarterly basis to UPPCB.
10. Hydrological studies shall be carried out every six months to assess the impact on ground water especially around the ash dykes. Specific mitigation shall be undertaken.
11. Industry shall install PTZ camera at AWRS and re-circulation points for surveillance of effective operation within 01 month and shall provide the URL and password to the Board.
12. Ground water shall be monitored by any NABL accredited laboratory on quarterly basis nearby ash dikes and analysis report with respect to heavy metals shall be sent to UPPCB.
13. Storm Water drain shall be kept separate in such manner that, industrial effluent does not get mixed with storm water.
14. Industry shall develop and maintain green belt as per the guidelines issued by the Board vide office order dated 16/02/2018, which is available on Board's Website- www.uppcb.com. The proposal for plantation in the coming monsoon shall be submitted within 01 month.
15. Industry shall comply with various provisions of Hazardous and Other waste (Management & Trans-boundary Movement) Rule 2016.
16. Industry shall submit environmental statement in prescribed format as per rule 14 of Environment (Protection) Act, 1986.
17. Industry shall abide by directions given by Hon'ble Courts, MoEF&CC, Central Pollution Control Board and UPPCB for protection and safe guard of environment from time to time.
18. Unit shall ensure the compliance of office memorandum dated 28-08-2019 issued by MoEF&CC regarding disposal of fly ash.
19. Industry shall comply with the Office memorandum no. H 48/273/C-1/NGT-83/2020 dated 27.02.2020 issued by UPPCB.
20. Consent fees if revised, shall be payable by industry from the date of its applicability.
21. Industry shall comply with the relevant provisions of Environmental Laws.
22. If closure order is issued by CPCB or UPPCB against the unit, then CTO issued earlier will remain suspended during the closure period and after ensuring the compliance and after revocation of closure order, the CTO will automatically be effective with additional conditions mentioned in the closure revocation order.

Issued with the permission of competent authority .

Ajay Kumar
Sharma

Digitally signed by
Ajay Kumar Sharma
Date: 2020.12.29
18:21:48 +05'30'

For and on behalf of U.P. Pollution Control Board .

Chief Environmental Officer (circle-2)



1532

UTTAR PRADESH POLLUTION CONTROL BOARD
Building, No TC-12V Vibhuti Khand, Gomti Nagar, Lucknow-226010

Phone:0522-2720828,2720831, Fax:0522-2720764, Email: info@uppcb.com, Website: www.uppcb.com

CONSENT ORDER

Ref No. -
102011/UPPCB/Allahabad(LAB)/CTO/air/ALLAHABAD/2020

Dated : 29/12/2020

To ,

Shri BRAJESH SINGH
M/s PRAYAGRAJ POWER GENERATION COMPANY LIMITED
Prayagraj Power Generation Company Limited PO- Lohgara, Tehsil- Bara,
.PRAYAGRAJ.212107
ALLAHABAD

Sub : Consent under section 21/22 of the Air (Prevention and control of Pollution) Act, 1981 (as amended) to M/s. PRAYAGRAJ POWER GENERATION COMPANY LIMITED

Reference Application No. 9352909

Dated : 29/12/2020

1. With reference to the application for consent for emission of air pollutants from the plant of M/s PRAYAGRAJ POWER GENERATION COMPANY LIMITED. under Air Act 1981. It is being authorised for said emissions, as per the standards, in environment, by the Board as per enclosed conditions .
 2. This consent is valid for the period from 01/01/2021 to 31/12/2025 .
 3. In spite of the conditions and provisions mentioned in this consent order UP Pollution Control Board reserves its right and powers to reconsider/amend any or all conditions under section 21 (6) of the Air (Prevention and Control of Pollution) Act, 1981 as amended.
- This consent is being issued with the permission of competent authority .

Ajay Kumar Sharma
Digitally signed by
Ajay Kumar Sharr
Date: 2020.12.29
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For and on behalf of U.P. Pollution Control Board

Chief Environmental Officer (circle-2)

Enclosed : As above
(condition of consent):

Copy to: Regional Officer, U.P. Pollution Control Board, Prayagraj with direction to send the compliance report of consent conditions on quarterly basis.

Ajay Kumar Sharma
Digitally signed by Ajay Kumar
Sharma
Date: 2020.12.29 18:18:30 +05'
Chief Environmental Officer (circle-2)

CONDITIONS OF CONSENT

1. This consent is valid only for the approved production capacity of electricity generation -1980 MW (3x660 MW).
2. This consent is valid only for products and quantity mentioned above. Industry shall obtain prior approval before making any modification in product/ process /fuel/ plant machinery failing which consent would be deemed void.
- 3(a) The maximum rate of emission of flue gas should not be more than the emission norms for the stacks.
- 3(b) Air Pollution Source Details.

Air Pollution Source Details					
S.No	Air Pollution Source	Type of Fuel	Stack No.	Parameters	Height
1	Boiler-1 (Cap. 2095 TPH) attached to 1x660 MW unit	Coal	01	Particulate Matter	275 meter from ground level with ESP.
2	Boiler-2 (Cap. 2095 TPH) attached to 1x660 MW unit	Coal	02	Particulate Matter	275 meter from ground level with ESP.
3	Boiler-3 (Cap. 2095 TPH) attached to 1x660 MW unit	Coal	03	Particulate Matter	275 meter from ground level with ESP.

- 3(c) The emissions by various stacks into the environment should be as per the norms of the Board .

Emission Quality Details Detail			
S.No	Stack No	Parameter	Standard
1	01	Particulate Matter	50 mg/Nm ³
2	01	Sulphur Dioxide	200 mg/Nm ³
3	01	Oxides of Nitrogen	300 mg/Nm ³
4	02	Particulate Matter	50 mg/Nm ³
5	02	Sulphur Dioxide	200 mg/Nm ³
6	02	Oxides of Nitrogen	300 mg/Nm ³
7	03	Particulate Matter	50 mg/Nm ³
8	03	Sulphur Dioxide	200 mg/Nm ³
9	03	Oxides of Nitrogen	300 mg/Nm ³

4. Quantity of other pollutants should also be as per the norms prescribed by the Board/MOEF & CC/or otherwise mandatory .
5. The equipment for air pollution control system and monitoring ,as proposed by the industry and approved by the Board should be installed in their premises itself .
6. The modification or installation in the existing pollution control equipments should be done only by prior approval of Board .
7. The operation of air pollution control system and maintenance be done in such a way that the quantity of pollutants should be in accordance with the standards prescribed by the Board/MoEF & CC/or otherwise mandatory .

8. Unit should do provisions for fugitive emissions chimney/stack as per the norms of the Board/MOEF & CC/or otherwise mandatory .
9. The unit should submit the stack emissions monitoring report within one month from issuance of consent order along with the point wise compliance report of the consent order . Further quarterly monitoring report should be submitted .

The Unit will file the renewal application at least 2 months prior to the expiry of this Order.

Specific Conditions:

1. This consent is valid for electricity generation -1980 MW (3x660 MW).
2. The industry shall comply with the Stack emission standards notified by MoEF&CC vide notification dated 07-12-2015 and Ambient air quality standard 2009.
3. The industry shall effectively operate and maintain Online Continuous Emission Monitoring System and data shall be transmitted to CPCB server. OCEMS shall be calibrated on 6 monthly basis through recognized agency and calibration certificate shall be submitted to UPPCB.
4. Bag filters at coal crusher house and dust suppression system at wagon tippler & transfer points shall be operated effectively and continuously.
5. The industry shall comply with the conditions of Environmental Clearance issued by MoEF&CC Govt of India.
6. Industry shall comply with the conditions of NOC issued by the Board vide letter dated 10-03-2011.
7. Industry shall comply with the Fly Ash notification No. S.O. 254(E). dated 25-01-2016 of MoEF&CC Govt. of India. Proposal for fly ash utilization shall be submitted within 01 month and detail of Fly ash disposal shall be submitted on quarterly basis to UPPCB.
8. Industry shall maintain effective dust separation /collection system at Coal Handling and Transportation point in such manner so that Ambient Air Quality is not affected at nearby places and Ambient air quality shall be monitored on regular basis and its report shall be submitted on quarterly basis to the UPPCB.
9. ESPs shall be maintained so as to achieve the emission standards as prescribed under Environment (Protection) Rules 1986. Industry shall submit the Stack emission and Ambient Air quality monitoring report of Board's Laboratory/NABL accredited Laboratory on quarterly basis.
10. Industry shall develop and maintain green belt as per the guidelines issued by the Board vide office order dated 16/02/2018, which is available on Board's Website- www.uppcb.com. The proposal for plantation in the coming monsoon shall be submitted within 01 month.
11. Bottom Ash shall be disposed as per guidelines of MoEF&CC and report shall be submitted to the Board with in 01 month.
12. Industry shall comply with various provisions of Hazardous and Other waste (Management & Trans-boundary Movement) Rule 2016. Detail of hazardous waste disposal shall be submitted in Form-10.
13. Noise level emanating from turbines shall not exceed the prescribed limit of 75 dBA for work zone in the premises.
14. Industry shall submit environmental statement in prescribed format as per rule 14 of Environment (Protection) Act, 1986.
15. Industry shall abide by directions given by Hon'ble Courts, MoEF&CC, Central Pollution Control Board and UPPCB for protection and safe guard of environment from time to time.
16. Unit shall ensure the compliance of office memorandum dated 28-08-2019 issued by MoEF&CC regarding disposal of fly ash.
17. Industry shall comply with the Office memorandum no. H 48/273/C-1/NGT-83/2020 dated 27.02.2020 issued by UPPCB.
18. Consent fees if revised, shall be payable by industry from the date of its applicability.
19. Industry shall comply with the relevant provisions of Environmental Laws.
20. If closure order is issued by CPCB or UPPCB against the unit, then CTO issued earlier will remain suspended during the closure period and after ensuring the compliance and after revocation of closure order, the CTO will automatically be effective with additional conditions mentioned in the closure revocation order.

Issued with the permission of competent authority .

**Ajay Kumar
Sharma**

For and on behalf of U.P. Pollution Control Board .

Digitally signed by Ajay
Kumar Sharma

Date: 2020.12.29

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11-11-15-8

Prayagraj Power Generation Company Ltd									
Plant	CGMS data								PPGCL
From Date	01.11.2024 00:00								
To Date	19.02.2025 17:57								
Address	Bhujwala								
Parameter	UNIT 01			UNIT 02			UNIT 03		
	Stack 1 2095 TPH	Stack 1 2095 TPH	Stack 1 2095 TPH	Stack 2 2095 TPH	Stack 2 2095 TPH	Stack 2 2095 TPH	Stack 3 2095 TPH	Stack 3 2095 TPH	Stack 3 2095 TPH
	Boiler 660MW	Boiler 660MW	Boiler 660MW	Boiler 660 MW	Boiler 660 MW	Boiler 660 MW	Boiler 660MW	Boiler 660MW	Boiler 660MW
Parameter	SO ₂	SO ₂	SO ₂	SO ₂	SO ₂	SO ₂	SO ₂	SO ₂	SO ₂
Unit	mg/Nm ³	mg/Nm ³	mg/Nm ³	mg/Nm ³	mg/Nm ³	mg/Nm ³	mg/Nm ³	mg/Nm ³	mg/Nm ³
01.02.2025 00:00	166.84	503.38	16.31	1.23	8.13	20	206.48		23.56
01.02.2025 00:15	165.53	498.84	16.24	72.02	187.4	20	206.2		23.57
01.02.2025 00:30	168.32	507.49	16.51	252.98	723.96	20	282.26		23.63
01.02.2025 00:45	169.85	512.98	16.82	263.88	811.34	20	295.9		24.13
01.02.2025 01:00	175.83	530.57	17.46	281.9	812.23	20	322.2		24.1
01.02.2025 01:15	171.82	519.34	17.07	244.87	854.18	20	285.82		23.53
01.02.2025 01:30	171.58	518.38	16.97	262.91	848.18	20	295.23		23.18
01.02.2025 01:45	178.48	532.33	17.26	283.37	851.11	20	272.49		23.28
01.02.2025 02:00	196.85	561.29	18.57	245.78	906.54	20	293.83		23.66
01.02.2025 02:15	178.87	537.07	17.71	278.6	882.19	20	292.5		23.43
01.02.2025 02:30	169.85	512.98	16.8	270.58	819.85	20	295.13		24.07
01.02.2025 02:45	174.26	528.38	17.22	277.87	861.75	20	277.83		23.5
01.02.2025 03:00	174.45	526.74	17.22	268.54	818.96	20	279.74		23.54
01.02.2025 03:15	173.87	523.8	17.17	295.88	787.92	20	302.18		24.1
01.02.2025 03:30	184.8	497.12	17.62	292.39	889.58	20	307.28		24.11
01.02.2025 03:45	184.8	507.38	18.37	310.55	778.99	20	297.6	300.57	24.23
01.02.2025 04:00	182.96	502.38	20.05	329.58	797.88	20	311.35	304.72	24
01.02.2025 04:15	187.87	506.55	20.47	303.02	836.03	20	305.38	303.87	23.81
01.02.2025 04:30	198.07	477.76	23.54	313.15	785.26	19.84	311.88	303.88	23.97
01.02.2025 04:45	187.58	505.4	18.99	300.62	850.62	20	305.21	305.43	23.47
01.02.2025 05:00	188.74	545	17.98	288.54	879.92	20	291.91		23.51
01.02.2025 05:15	177.08	533.98	17.72	300.8	840.76	20	293.47		23.9
01.02.2025 05:30	159.4	481.58	22.26	278.53	840.75	20	292.25		23.54
01.02.2025 05:45	186.28	501.28	17.29	284.25	819.07	20	300.85		23.98
01.02.2025 06:00	171.58	517.25	18.84	210.14	886.28	20	317.55		24.03
01.02.2025 06:15	164.12	495.27	18.07	278.93	851.76	20	301.88		24.07
01.02.2025 06:30	185.36	488.92	18.58	209.97	811.44	20	314.82		24.18
01.02.2025 06:45	185.62	500.39	18.22	282.42	834.33	20	320.98		24.33
01.02.2025 07:00	182.07	530.22	18	282.28	885.58	20	313.81		23.87
01.02.2025 07:15	201.87	608.88	20.37	296.54	892.33	20	311.82		24.04
01.02.2025 07:30	204.2	536	20.27	281.28	839.2	20	339.63		24.07
01.02.2025 07:45	196.48	582.87	19.60	288.8	872.27	20	314.82		24.13
01.02.2025 08:00	187.47	595.45	19.77	285.9	843.8	20	313.77		24.1
01.02.2025 08:15	190.11	573.98	19.13	284	954.33	20	305.74		23.79
01.02.2025 08:30	188.28	563.61	18.82	309.5	951.75	20	300.44		23.77
01.02.2025 08:45	188.83	572.11	18.82	296.24	932.06	20	303.43		23.77
01.02.2025 09:00	220.39	663.97	22.14	298.02	951.88	20	309.27		24.41
01.02.2025 09:15	218.54	609.42	22.94	308.13	940.26	20	306.52		24.03
01.02.2025 09:30	207.82	628.48	20.8	282.74	979.88	20	382.31		24.13
01.02.2025 09:45	218.36	652.19	21.76	278.03	922.52	20	396.79		24.64
01.02.2025 10:00	201.3	607.72	23.26	282.88	914.06	20	310.33		24.87
01.02.2025 10:15	249.87	751.2	24.86	267.9	962.85	21.5	388.87		26.3
01.02.2025 10:30	300.82	812.2	32.14	262.27	943.98	22.87	288.63		25.87
01.02.2025 10:45	305.74	3000	31.88	201.51	888.82	23.88	283.87		25.57
01.02.2025 11:00	272.29	818.81	26.51	260.88	931.78	20.18	281.43		24.8
01.02.2025 11:15	263.68	794.81	25.92	258.85	958.87	20.2	282.85		24.44
01.02.2025 11:30	271.43	818.38	26.52	288.36	931.83	20	275.93		24.13
01.02.2025 11:45	285.93	862.45	27.49	281.01	937.73	20.98	282.33		24.88
01.02.2025 12:00	318.08	927.29	29.7	269.88	848.18	20.88	318.43		25.84
01.02.2025 12:15	288.27	811.51	28.84	315.29	812.38	21.82	357.13		26
01.02.2025 12:30	281.64	877.3	27.83	323.88	855.33	20.87	358.67		26
01.02.2025 12:45	296.83	891.27	28.24	335.81	839.43	20.44	378.22		26.13
01.02.2025 13:00	271.43	818.81	26.35	338.27	793.2	20.27	380.3		26.22
01.02.2025 13:15	284.12	875.73	22.55	389.88	890.85	25.11	407.87		26.17
01.02.2025 13:30	191.11	176.87	19.03	432.84	725.81	22.7	416.88		26.98
01.02.2025 13:45	193.5	583.48	19.28	411.15	660.52	20.07	818.48	881.18	26.98
01.02.2025 14:00	204.98	587.02	20.84	389.44	713.48	20	418.38	848.18	26.38
01.02.2025 14:15	183.87	555.4	18.37	381.18	714	20	408.81	930.43	26.03
01.02.2025 14:30	188.54	568.32	18.65	388.49	728.8	20	385.84	817.74	26.45
01.02.2025 14:45	184.05	488.47	18.85	389.18	701.41	20	384.83	931.17	26.2
01.02.2025 15:00	178.01	513.32	21.8	372.14	768.82	20	385.28	871.42	26.33
01.02.2025 15:15	181.21	456.55	28.12	352.87	787.78	20	382.85	865.38	26.2
01.02.2025 15:30	170.83	515.32	18.4	298.58	876.79	20	388.48		25.73
01.02.2025 15:45	193.17	583.4	18.45	275.8	818.84	19.18	407.15		25.4
01.02.2025 16:00	208.38	700.58	24.85	266.17	855.2	19.53	395.81		25.24
01.02.2025 16:15	408.48	797.5	32.84	280.81	848	20	351.4		24.94
01.02.2025 16:30	362.17	909.33	31.7	291.17	872	20	322.77		25.17
01.02.2025 16:45	264.18	738.34	24.44	305.77	882.57	20	383.96		23.93
01.02.2025 17:00	284.28	737.38	24.28	302.7	845.38	20	288.28		24.81
01.02.2025 17:15	289.24	734.18	24.55	299.7	950.3	20	288.7		24.8
01.02.2025 17:30	231.78	889.34	23.44	288.85	988.23	20	288.82		24.84
01.02.2025 17:45	242.8	731.78	24.2	303.68	838	20	277.79		26.8
01.02.2025 18:00	241.99	728.8	24.25	304.84	898.58	20.18	278.75		26.44
01.02.2025 18:15	241.79	729.9	24.27	272.22	826.54	20.83	278.57		26.83
01.02.2025 18:30	245.29	739.18	24.57	278.78	828.12	20	277.83		26.87
01.02.2025 18:45	248.8	741.35	24.84	281.87	818.78	20	271.35		26.48
01.02.2025 19:00	242.92	732.71	24.35	283.64	814.28	20	271.11		26.96
01.02.2025 19:15	248.88	758.82	24.84	271.84	823.85	20	273.57		26.83
01.02.2025 19:30	239.85	722.78	24.18	282.17	888.18	20	284.47		26
01.02.2025 19:45	247.88	738.84	24.13	284.45	812.87	20	273.88		26
01.02.2025 20:00	255.93	771.81	25.8	277.63	851.32	20	288.48		26.83
01.02.2025 20:15	237.45	715.8	23.7	276.38	878.84	20	272.05		25.87
01.02.2025 20:30	225.44	678.83	22.75	281.35	834.71	20	278.51		25.8
01.02.2025 20:45	234.99	714.88	22.87	287.18	828.88	20	288.87		26
01.02.2025 21:00	227.28	688.26	22.81	275.48	898.07	20.82	275.48		25.83
01.02.2025 21:15	213.52	643.97	21.54	271.22	813.88	21.78	277.84		25.83
01.02.2025 21:30	208.71	628.8	20.83	278.88	854.41	20.37	282.2		25.83
01.02.2025 21:45	219.89	882.05	22	328.27	805.8	20.93	283.1		25.5
01.02.2025 22:00	196.85	585.57	18.42	298.84	817.14	20	288.27		25.43
01.02.2025 22:15	196.85	582.97	18.23	279.23	815.13	20	275.81		25.3
01.02.2025 22:30	218.3	632.96	21.64	219.3	848	20	271.77		25.12
01.02.2025 22:45	223.17	672.82	22.38	273.88	885.98	20	45.88		24.83

14/2/2025
 (Shasad Mahi)



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01-02-2025 22:00	208 75	529 8	23 73	254 39	319 84	20	2 27	3 36	24 56
01-02-2025 22:15	195 31	588 83	19 53	287 14	301 47	20	179 88	610	25 06
01-02-2025 22:30	188 89	570 24	18 94	271	857 27	20	261 8	968 09	25 52
01-02-2025 22:45	189 96	570 43	18 94	175 72	352 82	23	278 67	383 5	24 72
02-02-2025 00:00	195 77	590 24	19 65	1 4	8 16	20	279 51		24 86
02-02-2025 00:15	203 13	612 7	20 28	85 33	182 87	20	284 13		24 74
02-02-2025 00:30	191 81	579 34	19 1	270 36	787 64	20	284 98		24 5
02-02-2025 00:45	185 09	558 55	18 33	285 33	849 5	20	282 73		24 57
02-02-2025 01:00	194 20	586 08	19 45	283 83	882 02	20	283 95		24 76
02-02-2025 01:15	195 37	588 38	19 65	295 84	850 51	20	286 01		24 81
02-02-2025 01:30	188 1	588 67	18 64	295 76	880	20 07	295 16		24 81
02-02-2025 01:45	192 30	580 85	19 12	294 73	883 81	20	301 91		24 47
02-02-2025 02:00	196 47	592 21	19 71	312 53	896 63	21 72	300 08		24 74
02-02-2025 02:15	207 14	624 29	20 57	335 45	809 14	25 37	315 12		25
02-02-2025 02:30	221 21	667 29	21 26	378 49	719 75	25 37	321 87	995 77	25 35
02-02-2025 02:45	213 73	644 5	21 88	400 26	658 98	23 55	405 81	860 19	25 83
02-02-2025 03:00	198 8	599 86	19 66	446 43	479 27	22 73	444 49	902 89	26
02-02-2025 03:15	183 89	555 07	18 37	414 74	599 43	20 13	442 67	887 31	26
02-02-2025 03:30	153 35	483 27	15 29	416 71	540 31	20	435 3	825 14	25 87
02-02-2025 03:45	161 28	487 33	20 57	415 9	558 07	19 56	422 24	754 30	25 03
02-02-2025 04:00	150 34	454 38	21 33	408 82	574 33	19 83	414 34	801 19	25
02-02-2025 04:15	148 23	441 42	25 2	385 8	871	18 97	401 46	878 88	23 91
02-02-2025 04:30	141 54	427 43	25 82	358 83	711 44	18 16	366 15	978 88	23 26
02-02-2025 04:45	139 73	421 99	26 12	343 43	744 62	18 89	331 39	879 13	22 78
02-02-2025 05:00	144 83	437 98	25 04	326 17	801 87	19 54	308 78		22 73
02-02-2025 05:15	153 18	462 8	23 24	314 39	797 78	20	311 96		23 38
02-02-2025 05:30	167 83	505 6	17 53	319 48	812 3	20	327 03		23 54
02-02-2025 05:45	172 84	521 29	17 02	326 33	827 58	20	338 93		23 49
02-02-2025 06:00	185 32	569 38	18 82	352 98	848 08	20	347 74		23 86
02-02-2025 06:15	191 04	576 07	19 07	344 81	798 72	20	349 8		23 9
02-02-2025 06:30	189 12	570 89	18 69	351 21	845 06	20	350 13		23 97
02-02-2025 06:45	200 32	605 73	20 11	402 77	865 05	20	345 25		23 33
02-02-2025 07:00	208 16	628 13	20 94	375 57	747 06	20 11	343 03		23 73
02-02-2025 07:15	224 22	678 97	22 4	382 56	808 35	20 44	344 35		23 61
02-02-2025 07:30	218 46	661 34	22 01	382 3	746 95	20	351 9		23 56
02-02-2025 07:45	215 77	650 9	21 48	337 43	844 13	20	351 41		23 6
02-02-2025 08:00	208 94	633 22	20 9	315	709 12	20	347 82		23 45
02-02-2025 08:15	196 38	592 92	19 67	328 8	774 66	20	330 38		23 74
02-02-2025 08:30	189 25	570 68	18 84	308 49	813 9	20	337 33		23 59
02-02-2025 08:45	188 7	569 09	19 87	303 36	803 57	20	335 12		23 67
02-02-2025 09:00	204 22	616 04	20 42	281 19	884 43	20	344 01		23 84
02-02-2025 09:15	200 15	604 2	19 94	295 61	770 32	20	346 2		23 74
02-02-2025 09:30	215 29	649 41	21 49	319 81	727 57	20	333 9		23 8
02-02-2025 09:45	237 80	717 81	22 88	300 89	798 02	20	325 36		24
02-02-2025 10:00	227 23	685 03	22 9	326 23	794 52	20	323 25		24
02-02-2025 10:15	193 01	582 75	19 24	378 99	744 4	20 16	343 02	995 2	24 33
02-02-2025 10:30	188 5	583 89	18 59	355 03	835 5	20	361 05	988 61	24 82
02-02-2025 10:45	257 38	669 78	23 47	372 63	777 52	20 46	362	956 71	25 38
02-02-2025 11:00	299 72	883 42	28 48	389 13	640 31	20 32	357 24	961 88	25 8
02-02-2025 11:15	260 84	785 82	25 78	369 21	704 47	20 69	300 38	988 51	25 04
02-02-2025 11:30	196 04	591 01	20 28	382 38	841 82	20	345 9	575 15	24 07
02-02-2025 11:45	172 57	520 7	18 44	370 59	857 43	20	348 47	984 96	24 53
02-02-2025 12:00	182 3	490 67	20 96	309 37	809 36	20	348 38	989 99	24 53
02-02-2025 12:15	194 22	548 44	19 46	312 52	755 78	20 41	332 18	988 4	24 6
02-02-2025 12:30	218 86	660 59	21 96	354 23	734 17	22 17	319 37		24 17
02-02-2025 12:45	231 84	699 61	23 43	380 85	712 45	25 78	332 25		24 7
02-02-2025 13:00	237 17	715 06	23 78	409 45	668 01	27 88	373 81	982 74	25 17
02-02-2025 13:15	204 81	616 8	20 39	383 63	822 68	25 05	392 17	857 01	25 36
02-02-2025 13:30	201 2	607 09	20 12	424 43	505 27	23 79	406 93	825 13	25 87
02-02-2025 13:45	191 22	578 47	19 18	446 57	495 41	22 03	387 18	855 1	25 27
02-02-2025 14:00	188 12	568 06	18 85	435 31	549 77	20 55	372 27	818 23	25 39
02-02-2025 14:15	186	561 37	18 47	425 1	495 91	20	372 18	799 63	25 14
02-02-2025 14:30	174 28	526	17 48	418 95	479 58	20	352 89	754 8	25
02-02-2025 14:45	164 62	497 79	17 02	408 27	473 28	20	354 71	748 33	25
02-02-2025 15:00	164 91	497 25	17 58	413 27	473 74	20	355	745 15	24 65
02-02-2025 15:15	165 11	498 5	16 23	424 68	526 84	20	359 27	748 97	24 5
02-02-2025 15:30	164 34	495 61	16 07	418 67	492 3	20	359 89	747 16	24 77
02-02-2025 15:45	226 54	713 71	22 03	419 85	473 18	20	363 97	750 47	24 13
02-02-2025 16:00	260 27	784 73	25 49	406 70	497 76	20	378 57	754 34	24 54
02-02-2025 16:15	192 4	589 88	19 21	399 91	547 35	20	385 47	754 17	25 62
02-02-2025 16:30	167 23	475 67	21 15	413 88	508 3	20	381 28	761	24 6
02-02-2025 16:45	151 38	456 95	26 4	411 78	528 29	20	379 14	744 68	24 81
02-02-2025 17:00	148 98	444 54	25 33	400 8	531 82	20	381 73	742 9	24 47
02-02-2025 17:15	145 01	423 28	25 48	385 02	588 1	18 87	384 83	753 17	25
02-02-2025 17:30	143 3	433 19	24 85	327 15	654 53	17 22	391 92	781 1	25
02-02-2025 17:45	132 09	399	24 98	309 64	687 42	17	390 7	793 9	25
02-02-2025 18:00	140 18	424 64	24 72	291 33	768 97	17 67	381 4	826	25
02-02-2025 18:15	154 11	465 92	25 58	289 35	750 47	18	385 32	830 52	25
02-02-2025 18:30	160 58	485 94	26 82	312 80	746 49	18 26	387 24	881 86	25
02-02-2025 18:45	168 63	503 97	18 46	303 21	793 54	20	378 18	908 71	24 63
02-02-2025 19:00	180 1	543 98	17 74	285 09	773 1	20	348 12	940 81	23 82
02-02-2025 19:15	180 57	549 47	17 92	282 54	820 58	20	285 54	805	23 83
02-02-2025 19:30	183 57	554 51	18 16	306 95	781 29	20	275 86		23 5
02-02-2025 19:45	192 16	583 33	19 21	283 25	824 43	20	280 34		23 59
02-02-2025 20:00	185 8	559 74	18 47	294 38	796 42	20	277 26		23 9
02-02-2025 20:15	196 97	594 82	19 71	285 51	802 82	20	274 37		24 1
02-02-2025 20:30	205 47	620 64	20 36	328 68	751 57	20	266 47		24
02-02-2025 20:45	192 31	580 69	19 23	307 17	774 93	20	264 55		24 08
02-02-2025 21:00	198 54	598 84	19 8	380 01	792 54	20	264 23		24 27
02-02-2025 21:15	195 75	590 91	19 59	270 9	830 88	20	265 86		24 21
02-02-2025 21:30	180 89	548 34	18 03	289	747 71	20	257 48		24
02-02-2025 21:45	190 41	574 55	18 85	278 13	808 97	20	259 12		24 19
02-02-2025 22:00	192 16	589 03	18 54	273 43	801 27	20	272 8	1000	24 47
02-02-2025 22:15	203 84	614 75	20 39	272 09	817 24	20	273 33	973	24 47
02-02-2025 22:30	197 43	595 96	19 61	281 11	754 13	20	283 89	988 25	24 53



02-02-2025-22:45	183.19	552.34	18.2	330.01	675.99	20	50.44	157.09	23.85
02-02-2025-23:00	187.77	506.57	18.7	313.88	692.33	20	2.22	0.30	23.29
02-02-2025-23:15	188.98	570.18	18.95	260.65	757.77	20	183.99	579.11	24.14
02-02-2025-23:30	260.87	786.17	23.58	288.54	738.88	20	278.24	885.52	24.96
02-02-2025-23:45	228.77	889.95	23	214.61	428.57	20	311.19	918.76	25
03-02-2025-00:00	230.83	695.83	23.31	1.33	0.13	20	817.01	930.11	25
03-02-2025-00:15	248.2	748	24.83	84.48	178.67	20	877.84	930.83	25
03-02-2025-00:30	276.71	834.25	26.65	309.8	640.98	20	343.27	967.97	25.03
03-02-2025-00:45	238.08	717.9	23.88	341.12	644.24	20	371.98	883.27	25
03-02-2025-01:00	209.14	830.75	20.75	341.79	674.51	20	378.8	851.37	25
03-02-2025-01:15	197.37	597.9	18.9	341.47	658.77	20	574.45	860.23	25
03-02-2025-01:30	196.83	584.32	18.64	324.23	671.8	20	360.14	879.58	24.97
03-02-2025-01:45	201.95	609.34	20.13	319.51	695.44	20	363.85	882.16	25
03-02-2025-02:00	192.97	581.98	18.34	345.61	674.82	20	388.83	880.83	25
03-02-2025-02:15	182.23	548.95	18.24	353.02	677.51	20	373.33	887.2	25
03-02-2025-02:30	171.89	518.08	17.04	309.6	643.48	20	373.4	868.33	24.7
03-02-2025-02:45	180.25	588.24	18.88	370.86	694.33	20	364.8	887.73	24.13
03-02-2025-03:00	198.16	598.19	19.92	298.25	793.07	20	342.18	934.13	24.07
03-02-2025-03:15	196.87	504.1	18.57	304.84	722.84	20	325.21	910.96	24.1
03-02-2025-03:30	192.19	580.12	18.38	262.83	758.88	20	320.6	905.57	24.03
03-02-2025-03:45	203.53	614.61	20.42	281.1	783.88	20	305.48		24
03-02-2025-04:00	220.4	864.86	22.21	277.12	771.3	20	291.1		24.2
03-02-2025-04:15	228.59	889.32	23.08	261.38	861.83	20	265.67		24.25
03-02-2025-04:30	236.02	711.89	23.87	288.93	812.87	20	299.02		24.84
03-02-2025-04:45	213.68	645.15	21.35	311.38	784.18	20	304.89	994.82	24.64
03-02-2025-05:00	224.54	878.91	22.43	303.38	738.8	20	292.14		24.25
03-02-2025-05:15	229.78	693.08	23.18	288.46	849.11	20	288.95		23.91
03-02-2025-05:30	178.06	537.88	22.4	287.39	783.14	19.23	277.1		23
03-02-2025-05:45	157.51	475.88	20.64	292.3	709.51	18.97	286.31		23
03-02-2025-06:00	162.88	491.72	22.8	266.93	842.45	18.7	285.03		23.03
03-02-2025-06:15	187.35	505.34	17.29	271.8	847.83	18.7	288.53		23.03
03-02-2025-06:30	184.7	498.89	16.29	269.74	832.98	18.72	284.14		22.51
03-02-2025-06:45	173.78	524.8	17.26	290.14	798.44	18.63	282.89		22.72
03-02-2025-07:00	178.18	541.86	17.73	278.1	851.55	18.63	282.7		22.47
03-02-2025-07:15	183.51	483.12	18.05	287.94	781.35	18.57	288.77		22.54
03-02-2025-07:30	157.41	475.71	24.05	271.14	838.96	18.34	285.73		22.49
03-02-2025-07:45	157.54	475.77	25.53	273.81	841.9	18.21	280.87		22.43
03-02-2025-08:00	157.97	477.15	25.88	267.07	878.23	18.42	289.18		22.46
03-02-2025-08:15	148.41	461.87	27.33	278.98	757.96	18.23	307.12		22.7
03-02-2025-08:30	153.8	463.58	27.73	258.24	802.89	17.98	312.27		22.58
03-02-2025-08:45	155.58	478.19	28.93	278.6	785.8	18.03	306.13		22.46
03-02-2025-09:00	160.41	484.87	24.89	281.95	802.95	17.95	300.58		22.1
03-02-2025-09:15	158.35	477.85	25.41	285.51	851.51	18.59	295.98		22.34
03-02-2025-09:30	185.37	489.13	17.73	272.81	841.12	17.36	296.67		22.74
03-02-2025-09:45	189.84	512.42	17.56	277.5	733.66	18.83	283.8		22.88
03-02-2025-10:00	187.8	506.89	18.19	271.91	823.16	19.03	297.1		23.2
03-02-2025-10:15	172.27	518.01	17.11	250.01	858.82	19.54	304.79		23.2
03-02-2025-10:30	162.49	490.89	22.4	273.48	805.88	19.63	295		23.4
03-02-2025-10:45	223.34	602.55	22.42	239.57	887.3	19.73	292.7		24.34
03-02-2025-11:00	297.94	898.29	28.46	276.58	817.91	20	277.47		25
03-02-2025-11:15	253.12	783.16	24.85	248.37	889.35	20	277.35		24.86
03-02-2025-11:30	212.22	648.27	21.19	348.3	881.82	20	282.85		24.03
03-02-2025-11:45	205.95	621.6	20.72	282.33	823.1	20	274.45		24.32
03-02-2025-12:00	193.07	583.38	19.24	285.58	751.15	20	289		24.77
03-02-2025-12:15	195.98	591.14	18.69	288.37	736.28	20	310.3	897.45	25.93
03-02-2025-12:30	196.89	594.91	18.87	278.95	779.49	20	304.77	893.88	25
03-02-2025-12:45	198.06	597.88	18.81	274.01	723.07	20	311.83	883.41	25
03-02-2025-13:00	223.76	875.85	22.65	278.32	754.17	20	332.98	987.48	25
03-02-2025-13:15	249.01	758.88	24.93	315.5	780.17	20	347.4	977.77	25.4
03-02-2025-13:30	234.3	706.29	23.4	371.53	684.99	20	380.33	941.32	25.93
03-02-2025-13:45	212.57	841.38	21.26	380.35	630.8	20	384.89	911.27	26
03-02-2025-14:00	202.26	810.11	20.07	388.04	802.04	20	404.17	905.7	26.17
03-02-2025-14:15	172.61	521.28	17.19	325.57	623.74	20	400.35	905.89	26.78
03-02-2025-14:30	173.47	523.94	17.19	299.08	581.26	20	402.1	927.8	26.87
03-02-2025-14:45	165.78	500.35	16.95	290.93	657.58	20	388.6	941.44	26.83
03-02-2025-15:00	157.77	476.77	23.0	304.37	581.18	20	368.78	938.57	26.57
03-02-2025-15:15	168	508.18	18.97	213.83	848.15	18.7	383.33	935.13	26.87
03-02-2025-15:30	174.59	527.38	17.4	332.52	894.57	19.89	386.83	910.37	26.97
03-02-2025-15:45	160.27	484.14	18.75	381.81	575.81	19.97	418.45	888.42	26
03-02-2025-16:00	174.28	525.52	21.8	415.27	550.64	19.64	427.88	852.3	26
03-02-2025-16:15	234.2	708.28	23.4	367.17	828.38	20	407.27	851.05	26.37
03-02-2025-16:30	198.12	600.29	23.8	315.55	614.27	19.84	374.32	873.14	26.09
03-02-2025-16:45	143.98	441.38	28.58	317.87	581.58	18.52	349.85	926.31	25
03-02-2025-17:00	157.48	475.6	24.06	291.98	701.98	17.31	315.78	938.83	24.9
03-02-2025-17:15	170.88	515.86	17.4	277.28	793.01	19	388.17	940.14	24.73
03-02-2025-17:30	183.45	534.18	18.21	293.87	732.85	19.45	299.18	980.33	24.66
03-02-2025-17:45	181.76	548.85	18.18	258.96	889.89	20	290.88	981.87	24.48
03-02-2025-18:00	191.08	578.03	19.18	285.26	808.29	20	294.58		24.2
03-02-2025-18:15	200.73	605.73	20.04	271.09	856.32	20	299.33		24.38
03-02-2025-18:30	203.37	614.61	20.34	285.5	822.93	20	284.84	990.12	24.1
03-02-2025-18:45	210.77	635.75	21.1	282.25	898.35	20	289.15	995.4	24.11
03-02-2025-19:00	208.59	623.74	20.64	261.59	807.89	20	243.1	1000	24.1
03-02-2025-19:15	204.24	622.91	20.71	255.3	855.7	20	292.08		24.18
03-02-2025-19:30	193.1	582.82	19.31	281.25	731.48	20	288.54	894.88	24.24
03-02-2025-19:45	191.6	578.32	19.1	277.11	780.33	20	280.88	933.7	24.8
03-02-2025-20:00	204.78	618.2	20.44	237.55	866.75	20	275.13	989	24.13
03-02-2025-20:15	214.82	645.2	21.48	288.87	780.9	20	278.54	885.27	24.22
03-02-2025-20:30	205.84	621.79	20.64	268.85	849.8	20	280.67	885.42	24.34
03-02-2025-20:45	206.4	627.58	20.83	281.82	807.48	20	323.68	978.31	24.88
03-02-2025-21:00	203.28	613.88	20.37	258.37	843.47	20	305.6	965.46	24.68
03-02-2025-21:15	197.23	594.47	19.74	275.97	827.82	20	357.29	852.79	24.68
03-02-2025-21:30	194.13	585.15	19.53	284.22	781.38	20	316.8	964.44	24.68
03-02-2025-21:45	200.78	605.77	18.99	270.33	745.03	20	359.41	972.39	24.68
03-02-2025-22:00	199.98	603.2	19.88	282.84	843.89	20	366.89	855.31	24.68
03-02-2025-22:15	199.98	603.29	20.12	273.81	787.66	21.18	363.73	901.4	24.68



03-02-2025 22:30	179.09	540.85	17.74	301.62	809.29	20	367.42	838.08	24.97
03-02-2025 22:45	175.83	530.81	17.58	330.05	737.54	20	53.92	120.87	24.2
03-02-2025 23:00	187.41	506.01	23.05	290.09	719.86	20	1.84	0.4	23.8
03-02-2025 23:15	151.83	458.83	28.03	281.72	766.87	19.87	219.99	580.93	23.68
03-02-2025 23:30	155.18	468.88	24.41	238.18	878.91	20	315.03	905.52	24.11
03-02-2025 23:45	188.88	502.88	17.90	158.85	519.88	20	318.8	873.82	23.87
04-02-2025 00:00	181.35	547.95	18.03	1.51	0.32	20	372.6	990.85	23.85
04-02-2025 00:15	193.77	584.97	19.32	78.89	188.54	20	320.3	989.38	24
04-02-2025 00:30	185.54	589.74	19.59	209.71	840.18	20	329.19	993.93	24.37
04-02-2025 00:45	189.09	571.06	18.92	294.91	784.05	20	338.28	987.21	24.37
04-02-2025 01:00	183.43	563.57	18.17	253.89	857.88	20	331	990.88	24.4
04-02-2025 01:15	178.25	531.91	17.41	231.22	918.54	20	329.77	987.9	24.43
04-02-2025 01:30	189.44	511.2	18.83	268.33	855.43	20	320.73	992.2	24.28
04-02-2025 01:45	188.88	509.87	17.38	247.51	880.88	20	328.33	990.21	24.13
04-02-2025 02:00	183.49	499.84	23.5	248.18	807.12	20	325.74	879.56	24
04-02-2025 02:15	157.08	474.59	20.88	244.12	874.21	20	336.18	878.96	23.94
04-02-2025 02:30	153.5	483.5	27.8	233.58	878.22	20	338.21	987.1	23.73
04-02-2025 02:45	153.23	483.01	26.5	241.84	819.42	20	336.11	983.19	23.38
04-02-2025 03:00	158.13	471.15	25.22	228.89	890.3	20	328.43	986.13	23.27
04-02-2025 03:15	151.4	457.66	26.66	239.71	964.55	20	309.66	984.63	23.53
04-02-2025 03:30	151.59	457.29	27.09	237.98	923.37	20	315.55	988.51	23.28
04-02-2025 03:45	153.47	463.12	26.51	247.99	899.65	18.96	320.04	990.02	23.28
04-02-2025 04:00	155.15	488.37	29.87	240.81	916.79	20	327.64	989.4	23.53
04-02-2025 04:15	154.75	487.11	26.97	248.87	871.15	20	329.18	879.35	23.53
04-02-2025 04:30	151.12	456.47	27.33	248.38	887.67	20	323	984.66	23.42
04-02-2025 04:45	153.99	484.45	26.2	257.13	872.93	19.84	315.48	983.8	23.26
04-02-2025 05:00	158.53	478.2	25.9	249	883.59	19.03	316.72	987.72	23.24
04-02-2025 05:15	151.83	458.87	26.99	255.84	838.25	19.59	323.97	993.2	23.67
04-02-2025 05:30	148.06	441.03	26.91	232.88	798.29	19.74	318.2	997.75	23.33
04-02-2025 05:45	150.61	472.88	25.8	236.43	854.32	20	324.72	988.39	23.77
04-02-2025 06:00	163.92	501.25	21.98	229.51	922.64	20	326.71	873.18	23.84
04-02-2025 06:15	176.72	533.91	17.78	250.89	855.74	20	315.85	985.25	23.8
04-02-2025 06:30	171.25	517.2	17.03	264.09	829.36	20	339.6	981.37	24.07
04-02-2025 06:45	184.23	534.18	18.35	222.82	908.74	20	328.87	980.61	24
04-02-2025 07:00	185.26	589.21	19.54	279.31	796.48	20	321.18	879.13	23.93
04-02-2025 07:15	184.44	557.34	18.19	244.28	887.57	19.67	322.84	879.87	24.07
04-02-2025 07:30	172.93	522.83	17.13	271.54	897.92	20	320.15	879.3	24
04-02-2025 07:45	179.18	541.55	17.83	253.2	967.42	20	319.8	981.9	24
04-02-2025 08:00	185.32	562.12	18.02	248.8	951.14	20	313.34	987.8	24.08
04-02-2025 08:15	174.7	527.48	17.3	260.55	888.84	20	318.04	878.18	24
04-02-2025 08:30	179.52	542.26	17.89	267.5	899.49	20	317.47	980.77	23.97
04-02-2025 08:45	178.12	531.49	17.46	246.95	924.86	20	312.46	982.85	23.87
04-02-2025 09:00	172.88	522.15	18.86	282.85	902.69	20	320.85	988.94	24
04-02-2025 09:15	172.87	521.91	17.06	247.6	938.75	20	314.87	992	24
04-02-2025 09:30	172.73	521.02	17.12	248.98	957.59	20	310.35	987.2	24.06
04-02-2025 09:45	189	571.03	18.87	244.8	947.77	20	307.27	987.2	24
04-02-2025 10:00	206.2	622.33	20.6	231.83	933.04	20	309	987.2	24
04-02-2025 10:15	212.35	640.85	21.09	234.83	928.12	20	307.56	987.2	24.06
04-02-2025 10:30	238.9	720.75	23.67	255.66	888.14	20	302.37	987.2	24.12
04-02-2025 10:45	344.84	790.8	20.41	253.24	917.62	20.4	295.73	987.2	24.97
04-02-2025 11:00	334.38	868.36	30.79	245.78	948.17	22.71	286.53	987.2	25.67
04-02-2025 11:15	253.28	889.97	24.57	284.54	838.6	27.76	283.61	987.2	25.2
04-02-2025 11:30	237.43	716.19	24.11	335.55	785.56	28.23	307.23	987.2	25.36
04-02-2025 11:45	298.36	889.53	28.47	386.92	748.71	27.41	360.4	979.84	26.7
04-02-2025 12:00	264.26	796.73	25.92	486.67	701.57	27.13	375.87	857.33	25.8
04-02-2025 12:15	227.57	685.74	22.93	462.47	734.89	26.48	388.37	908.33	25.9
04-02-2025 12:30	205.2	819.12	20.43	411.6	727.18	23.36	361.51	960.18	26.25
04-02-2025 12:45	203.02	812.18	20.2	409.02	877.34	20.53	330.45	870.67	25
04-02-2025 13:00	204.57	818.01	20.36	420.91	718.97	20.22	325.82	874.23	25
04-02-2025 13:15	199.55	802.61	19.9	504.54	888.89	20.61	371.23	953.5	25.47
04-02-2025 13:30	181.24	547.18	18.03	494.78	874.88	20	375.7	978.82	25.62
04-02-2025 13:45	174.44	828.85	17.19	482.43	848.34	20	383.3	836.97	25.07
04-02-2025 14:00	174.1	506.37	17.15	437.46	630.36	20	332.81	855.17	25
04-02-2025 14:15	177.12	834.99	17.62	342.38	737.39	20	300.54	987.2	25
04-02-2025 14:30	183.67	852.96	18.01	278.25	815.44	20	287.84	987.2	24.78
04-02-2025 14:45	234.44	787	23.42	298.87	825.49	20	292.67	987.2	24.78
04-02-2025 15:00	274.19	827.01	20.56	294.18	882.02	21.51	281.01	987.2	25
04-02-2025 15:15	274.86	829.37	28.8	336.23	748.95	23.28	281.8	987.2	25.07
04-02-2025 15:30	251.74	759.8	24.88	329.05	804.04	22.18	304.13	987.2	25
04-02-2025 15:45	251.25	757.8	24.97	329.18	794.84	22.4	295.72	987.2	24.88
04-02-2025 16:00	240.46	729.09	23.89	317.33	832.5	23.87	294.46	987.2	24.86
04-02-2025 16:15	217.74	657.09	21.82	322.85	803.99	21.19	296.03	987.2	24.67
04-02-2025 16:30	242.58	731.77	24.48	284.68	889.32	20	284.54	987.2	24.31
04-02-2025 16:45	251.9	758.81	25.08	275.42	885.42	20	274.77	987.2	24.6
04-02-2025 17:00	277.88	837.96	28.74	271.58	881.3	20	280.85	987.2	24.36
04-02-2025 17:15	289.57	801.54	27.58	242.19	948.26	20.03	269.77	987.2	24.36
04-02-2025 17:30	283.26	794.3	26.89	270.82	895.1	20	277.18	987.2	24.26
04-02-2025 17:45	260.2	784.17	25.51	244.4	945.94	20	275.46	987.2	24.13
04-02-2025 18:00	282.8	892.27	27.23	255.08	854.08	20	268.57	984	23.97
04-02-2025 18:15	283.2	848.48	27.23	216.23	964.92	20	366.43	894.89	24.27
04-02-2025 18:30	297.88	895.02	28.19	261.4	890.17	20	274.83	991.8	24.67
04-02-2025 18:45	298.88	901.02	28.34	266.71	841.48	20	280.13	843.43	24.58
04-02-2025 19:00	295.13	874.67	28.15	283.87	934.92	20	272.27	992.27	24.07
04-02-2025 19:15	304.67	902.82	28.82	237.3	878.67	20	271.8	891.17	24.32
04-02-2025 19:30	298.8	894.85	28.18	219.48	888.03	20	268.78	1000	24.23
04-02-2025 19:45	276.48	833.14	26.73	290.8	897.09	20	268.47	984.73	24.03
04-02-2025 20:00	298.3	802.98	26.08	284.38	891.27	20	275.43	990.92	23.97
04-02-2025 20:15	263.86	795.73	26.78	281.59	895.84	20	273.53	1000	24.03
04-02-2025 20:30	260.59	784.85	26.36	293.99	884.02	20	280.88	987.2	24.03
04-02-2025 20:45	246.77	743.86	24.78	278.17	924.75	20	278.88	987.2	24.03
04-02-2025 21:00	248.27	743.06	24.68	280.77	901.58	20	268.52	987.2	24.03
04-02-2025 21:15	247.32	746.04	24.87	259.9	821.11	20	274.73	987.2	24.03
04-02-2025 21:30	238.5	719.54	23.88	247.21	890.34	20	276.16	987.2	24.03
04-02-2025 21:45	238.15	718.18	23.98	233.2	918.13	20	278.36	987.2	24.03
04-02-2025 22:00	248.34	748.18	24.71	237.18	916.63	20	279.12	987.2	24.03



04-02-2025 22:15	209.63	782.85	25.63	258.81	887.20	20	272.5		24.2
04-02-2025 22:30	208.47	790.1	24.9	261.4	885.1	20	271.58		24
04-02-2025 22:45	241.53	734.88	24.66	280.51	890.6	20	38.31	0.1	23.58
04-02-2025 23:00	215.88	771.77	25.3	235.96	902.67	20	3.54	1.4	23.97
04-02-2025 23:15	244.81	736.90	24.67	245.75	898.84	20	138.57	670.16	24.07
04-02-2025 23:30	231.58	716.48	23.92	278.87	938.77	20	273.18	961.87	24.03
04-02-2025 23:45	230.36	804.72	23.29	148.16	928.9	20	273.52		23.81
05-02-2025 00:00	235.54	710.63	23.72	1.83	8.07	20	267.7		23.48
05-02-2025 00:15	329.76	881.21	22.63	87.32	136.18	20	270.8		23.93
05-02-2025 00:30	227.4	587.8	22.24	243.47	715.37	20	278.92		23.6
05-02-2025 00:45	217.80	855.76	21.87	243.18	763.74	20	277.73		23.46
05-02-2025 01:00	223.54	874.06	22.27	298.8	688.31	20	271.93		23.23
05-02-2025 01:15	218.87	863.41	22.02	275.34	764.27	20	287.7		23.58
05-02-2025 01:30	203.50	814.48	20.31	283.34	787.34	20	368.48		23.59
05-02-2025 01:45	301.81	809.89	20.93	244.96	817.89	20	314.6		24.07
05-02-2025 02:00	320.23	864.24	21.72	250.14	879.24	20	327.77		24.27
05-02-2025 02:15	238.92	825.11	20.56	278.05	807.13	20	335.56		24.47
05-02-2025 02:30	208.52	818.51	20.41	247.36	842.95	20	332.25		24.07
05-02-2025 02:45	183.41	883.58	19.2	274.83	808.07	20	321.72		23.94
05-02-2025 03:00	278.68	857.42	21.74	273.47	783.7	20	312.83		23.77
05-02-2025 03:15	211.75	838.27	21.06	254.33	872.87	20	318.4		24.05
05-02-2025 03:30	208.78	828.02	20.7	284.18	787.92	20	318.87		24.03
05-02-2025 03:45	210.47	841.20	21.18	273.7	885.71	20	323.55		24.38
05-02-2025 04:00	221.28	867.3	22.03	305.53	737.27	20	333.93	855.78	25
05-02-2025 04:15	200.23	884.56	21.87	322.02	642.88	20	340.19	812.78	24.51
05-02-2025 04:30	218.09	858.04	21.87	296.28	758.44	20	330.25	842.15	24.51
05-02-2025 04:45	217.17	858.11	21.83	290.87	756.53	20	332.03	863.9	24.63
05-02-2025 05:00	233.39	876.45	22.35	299	788.81	20	329.97	844.22	23.8
05-02-2025 05:15	324.8	877.39	22.47	318.32	708.73	20	335.04	878.07	24
05-02-2025 05:30	322.87	869.55	22.3	342.28	699.18	20	318.13	878.92	23.63
05-02-2025 05:45	320.7	871.95	22.4	298.88	808.55	20	307.05		23.48
05-02-2025 06:00	234.67	707.69	23.48	308.25	693.89	19.97	281.81		23.83
05-02-2025 06:15	217.87	884.74	22.61	308.95	728.07	20	287.35		24.03
05-02-2025 06:30	218.35	861.54	21.97	308.8	748.45	20	293.04		24
05-02-2025 06:45	218.98	863.18	22.22	295.41	759.81	20	308.48		24.03
05-02-2025 07:00	230.25	894.52	22.95	308.74	790.7	20	329.15	990.55	24
05-02-2025 07:15	223.84	868.64	22.19	279.99	767.18	20	310.9	905.56	24.43
05-02-2025 07:30	213.17	843.81	21.27	269.57	844.37	20	303.45	979.08	23.87
05-02-2025 07:45	213.88	843.8	21.26	309.09	698.67	20	305.26	895.29	23.98
05-02-2025 08:00	228.89	712.54	23.72	298.88	724.08	20	328.12	877.48	24.35
05-02-2025 08:15	233.27	703.2	23.22	296.28	698.57	20	334.96	866.74	24.87
05-02-2025 08:30	223.58	875.07	22.53	304.55	698.06	20	321.49	966.71	24.41
05-02-2025 08:45	234.80	708.57	23.64	303.25	737.52	20	299.44	874.88	24.07
05-02-2025 09:00	245.25	760.47	24.34	288.8	764.47	20	297.07	908.81	24.03
05-02-2025 09:15	248.05	748.08	24.67	298.47	585.2	20	308.04	995.87	24.17
05-02-2025 09:30	250.23	754.2	24.77	291.25	824.64	20	299.57	909.36	24.3
05-02-2025 09:45	253.14	763.48	25.04	288.50	746.24	20	309.54	887.34	24.8
05-02-2025 10:00	263.24	785.25	25.8	287.71	748.29	20	310.1	875.58	25
05-02-2025 10:15	263.13	754.71	25.07	288.66	715.99	20	300.31	887.64	25
05-02-2025 10:30	266.68	740.01	25.61	281.69	714.47	21.43	292.73	878.93	25.9
05-02-2025 10:45	495.17		25.76	282.5	768.51	26.11	305.74	886.06	26.26
05-02-2025 11:00	392.03		32.8	283.15	781.15	26	298.83	887.42	26.03
05-02-2025 11:15	308.88	750.85	28.25	292.19	640.8	22.35	308.77	887.45	25.23
05-02-2025 11:30	223.42	874.34	22.48	305.49	670.26	20	308.95	886.67	25
05-02-2025 11:45	237.31	715.88	23.86	285.85	782.48	20	305.37	894.14	25
05-02-2025 12:00	234.82	875.89	22.47	281.44	765.28	20	302.53	903.14	25
05-02-2025 12:15	239.16	721.21	24.17	270.64	777.79	20	305.64	896.47	25
05-02-2025 12:30	217.8	837.87	21.91	294.85	680.29	20	313.15	868.8	25.1
05-02-2025 12:45	205.16	822.47	20.82	285.23	712.49	20.03	299.51	994.58	25
05-02-2025 13:00	209.31	691.32	22.91	322.03	674.28	24.98	285.97	962.58	25.03
05-02-2025 13:15	205.86	861.68	22.78	303.13	574.42	25.51	311.98	969.08	25.38
05-02-2025 13:30	204.78	824.77	20.58	341.4	592.93	20.71	331.21	838.84	25.65
05-02-2025 13:45	203.95	816.11	20.34	288.78	868.51	20	324.07	918.48	25.38
05-02-2025 14:00	201.12	867.11	22.2	278.04	725.48	20	317.26	823.76	25.08
05-02-2025 14:15	221.53	867.78	22.11	282.8	888.84	20	293.8	829.1	25.07
05-02-2025 14:30	223.96	876.26	22.68	294.98	893.12	20	287.47	860.83	25.04
05-02-2025 14:45	241.54	728.24	24.25	322.88	802	20	300.51	810.08	25.03
05-02-2025 15:00	281.15	838.88	27.04	299.29	671.12	22.45	318.8	843.27	25.3
05-02-2025 15:15	275.41	815.59	28.48	362.99	639.91	24.65	333.67	822.44	25.72
05-02-2025 15:30	232.12	703.34	23.21	388.28	591.47	22.74	330.15	832.21	25.54
05-02-2025 15:45	212.64	841.17	21.35	388.26	661.53	21.6	323.5	834.03	25.45
05-02-2025 16:00	197.94	687.28	19.81	389.9	582.35	20.1	317.82	848.03	25.2
05-02-2025 16:15	207.92	825	20.82	328.83	653.34	20	309.34	874.85	25
05-02-2025 16:30	214.84	847.68	21.43	300.85	677.25	20	308.88	882.82	25.13
05-02-2025 16:45	218.89	710.88	23.72	302.43	704.78	20	312.87	881.88	25.17
05-02-2025 17:00	213.11	763.45	21.21	302.42	749.15	20	323.7	880.81	25.48
05-02-2025 17:15	240.84	725.83	24.09	304.88	715.21	20	321.78	876.13	25.36
05-02-2025 17:30	223.23	703.87	23.65	314.65	705.05	20	314.85	884.57	25.25
05-02-2025 17:45	236.17	713.74	23.8	320.53	722.47	20	307.49	899	25.03
05-02-2025 18:00	247.85	747.53	24.83	308.25	748.29	20	314.37	879	25.32
05-02-2025 18:15	272.3	752.33	21.02	318.15	768.15	24.84	317.37	874.82	26.83
05-02-2025 18:30	406.93		33.4	318.48	772.55	25.18	315.88	872.87	26.07
05-02-2025 18:45	303.88	756.68	28.14	319.11	788.98	26.45	325.53	868.48	25.21
05-02-2025 19:00	258.8	724.92	25.28	314.45	725.89	28.08	324.83	876.8	25
05-02-2025 19:15	250.88	718.83	24.85	318.47	746.05	20	327.13	877.02	25.07
05-02-2025 19:30	237.39	713.91	23.88	310.67	806.05	20	318.85	871.77	25
05-02-2025 19:45	240.09	724.71	24.2	308.27	782.11	20	320.77	867.1	25.13
05-02-2025 20:00	244.06	738.18	24.47	301.48	818	20	322.01	845.97	25.1
05-02-2025 20:15	238.18	718.81	24.18	294.01	609.97	20.03	349.33	966.13	25
05-02-2025 20:30	219.4	729.86	24.01	310.87	784.34	20	348.34	964.45	25
05-02-2025 20:45	244.11	736.48	24.83	313.47	738.83	20	271.09	871.64	25
05-02-2025 21:00	206.52	774.24	23.24	298.34	784.81	20.01	248.68	870.04	25
05-02-2025 21:15	229.26	741.91	23.88	316.5	719.16	20	257.82	835	25
05-02-2025 21:30	238.95	710.84	24.14	317.84	770.34	20	268.45	833.79	25
05-02-2025 21:45	204.31	733.66	25.35	309.8	805.08	22.21	256.7	838.27	25



05-02-2025 22:00	246 15	742 87	24 87	344 86	885 18	28 87	287 27	912 73	25 44
05-02-2025 22:15	270 85	865 96	21 96	388 3	818 33	26 77	300 08	891 33	25 17
05-02-2025 22:30	182 78	581 3	18 24	406 03	598 38	23 27	295 27	896 58	25 1
05-02-2025 22:45	184 30	586 5	19 21	377 87	803 23	21 34	28 24	88 38	25
05-02-2025 23:00	198 9	807 35	20 04	343 83	586 13	20	2 18	0 2	24 93
05-02-2025 23:15	180 83	508 18	17 88	372 27	600 93	21 3	234 34	343 89	25
05-02-2025 23:30	158 25	478 59	23 44	368 2	598 38	20	208 22	870 83	24 87
05-02-2025 23:45	159 87	482 58	23 38	218 54	579 17	20	218 27	962 9	24 86
06-02-2025 00:00	179 29	541 38	19 04	1 37	0 33	20	270 23	994 31	24 87
06-02-2025 00:15	201 83	609 34	20 26	83 55	709 96	20	282 4	995	25 07
06-02-2025 00:30	218 14	852 37	23 18	243 19	834 56	20	282 98	997	24 77
06-02-2025 00:45	218 88	862 72	21 88	181 13	885 33	20	281 83	984	24 83
06-02-2025 01:00	241 68	709 08	24 28	359 05	939 49	20	311 35	994	25
06-02-2025 01:15	255 39	770 58	25 28	255 87	921 9	20	288 85	998	24 84
06-02-2025 01:30	292 27	768 87	24 83	271 85	943 42	20	278 42	987	24 51
06-02-2025 01:45	248 35	742 94	24 84	275 84	911 82	20	285 93		24 8
06-02-2025 02:00	247 01	744 8	24 83	277 13	924 88	20	285 2		24 71
06-02-2025 02:15	238 87	782 87	25 58	245 71	871	20	283 26	984 68	25 03
06-02-2025 02:30	234 48	782 72	25 49	287 58	874 33	20	278 22	978 48	25 03
06-02-2025 02:45	248 96	752 93	24 78	258 08	887 45	20	270 1	972 12	24 87
06-02-2025 03:00	287 88	807 92	26 12	240 73	905 8	20	288 09	967 95	25
06-02-2025 03:15	252 68	782 71	25 05	246 03	915 71	20	280 8	965 7	25 07
06-02-2025 03:30	294 21	764 9	25 2	250 87	889 18	20	279 74	964 64	24 83
06-02-2025 03:45	295 33	770 14	25 3	269	848 67	20	283 87	961 24	24 74
06-02-2025 04:00	293 84	765 24	25 23	248 78	958	20	285 83	968 73	24 87
06-02-2025 04:15	260 11	771 65	25 31	247 82	929 65	20	283 5	964 64	24 87
06-02-2025 04:30	246 74	744 37	24 78	234 27	905 32	20	306 85	950 83	24 87
06-02-2025 04:45	257 17	774 96	25 21	240 93	881 89	20	333 83	949 73	25
06-02-2025 05:00	294 99	798 85	25 87	242 35	915 76	20	305 24	958 17	24 83
06-02-2025 05:15	258 19	770 43	25 39	237 86	914 64	20	307 2	946 6	24 83
06-02-2025 05:30	263 39	763 77	25 18	244 4	924 89	20	325 44	955 81	24 74
06-02-2025 05:45	262 33	763 8	25 06	270 29	817 39	19 82	300 45	938 33	24 81
06-02-2025 06:00	249 26	751 02	24 86	257 91	886 58	19 6	308 09	947 63	24 53
06-02-2025 06:15	249 48	752 18	24 78	269 62	862 26	19 9	304 51	945 21	24 64
06-02-2025 06:30	238 98	720 68	24 06	252 43	870 09	20	289 03	949	24 53
06-02-2025 06:45	243 25	733 27	24 27	268 48	845 34	20	285 26	973 71	24 07
06-02-2025 07:00	247 09	745 13	24 35	245 23	900 74	20	296 32	965 32	24 42
06-02-2025 07:15	241 08	727 23	24 15	228 53	913	20	300 67	964 73	24 5
06-02-2025 07:30	232 42	730 45	23 49	262 7	840 43	19 93	299 46	964 86	24 29
06-02-2025 07:45	226 14	711 91	23 06	255 3	870 8	19 53	297 29	961 18	24 26
06-02-2025 08:00	237 32	735 3	23 8	241 63	895 5	20	305 1	955 37	24 33
06-02-2025 08:15	235	708 18	23 82	289 4	752 5	20	289 28	967 65	24 1
06-02-2025 08:30	225 83	681 5	22 82	260 45	815 43	20	288 22	979 33	24 18
06-02-2025 08:45	207 21	625 29	20 71	269 62	810 37	20	280 05	991 83	24
06-02-2025 09:00	205 09	618 18	20 61	283 4	837 43	21 5	278 7	985 09	24 03
06-02-2025 09:15	182 99	582 4	19 23	302 27	810 84	21 81	280 43	974 92	24 8
06-02-2025 09:30	182 74	551 02	18 11	329 33	729 91	21 03	296 83	965 55	24 74
06-02-2025 09:45	184 65	557 93	18 44	322 12	707 5	20 44	303 57	932 97	24 88
06-02-2025 10:00	207 12	612 54	20 53	311 88	708 74	20	311 37	927 85	24 76
06-02-2025 10:15	220 71	606 82	23 13	312 41	806 86	20 91	308 6	938	28
06-02-2025 10:30	219 99	603 79	22 11	339 05	852 79	20 72	322 37	918 07	24 87
06-02-2025 10:45	288 71	668 19	25 59	368 43	852 46	22 44	361 96	889 32	26 29
06-02-2025 11:00	367 02	980 25	31 95	380 54	812 98	22 07	373 32	879 5	26 87
06-02-2025 11:15	378 13	979 48	32 47	376 5	819 7	21 17	364 77	871 86	25 67
06-02-2025 11:30	379 17	940 34	17 85	380 78	838 33	20	370 33	820 48	26
06-02-2025 11:45	181 23	547 41	17 86	364 71	648 44	20	377 41	791 9	25 93
06-02-2025 12:00	174 92	527 6	19 46	379 09	616 18	20	387 04	756 69	25 54
06-02-2025 12:15	158 93	474 78	26 4	391 39	582 81	20	388 87	748 24	25 21
06-02-2025 12:30	155 38	469 63	26 48	384 42	628 71	20	389 95	744 48	25 1
06-02-2025 12:45	185 09	509 23	19 71	387 02	649 65	20	395 87	741 77	25 03
06-02-2025 13:00	177 23	534 6	17 51	387 37	643 63	20	396 27	743 07	25 07
06-02-2025 13:15	172 82	522 04	17 13	378 73	649 49	20	389 76	740 18	25 07
06-02-2025 13:30	185 03	498 85	18 1	394 46	630 99	20	390 17	767 82	25
06-02-2025 13:45	166 34	507 07	18 81	379 73	629 73	20	395 87	763 73	25
06-02-2025 14:00	175 25	530 88	17 33	368 24	663 62	20	392 15	775 12	25
06-02-2025 14:15	180 12	543 87	18 05	359 8	628 43	20	394 38	771 75	25 03
06-02-2025 14:30	168 87	510 19	18 95	363 72	623 35	20	389 86	770 45	25 03
06-02-2025 14:45	187 27	565 36	18 7	365 89	648 48	20	396 82	772 04	25 03
06-02-2025 15:00	186 33	562 76	18 6	368 56	634 98	20	399 75	751 18	25
06-02-2025 15:15	187 67	568 63	18 76	360 94	667 91	20	396 9	760 13	25 1
06-02-2025 15:30	165 19	499 47	20 07	388 42	872 05	20	394 65	758 46	25 03
06-02-2025 15:45	163 81	495 25	19 82	388 55	873 72	20	387 33	749 85	25 04
06-02-2025 16:00	171 78	518 7	17 45	392 29	864 81	20	403 13	744 43	25 1
06-02-2025 16:15	181 71	488 41	21 99	377 79	877 23	20	400 51	734 99	25
06-02-2025 16:30	136 29	477 83	25 66	385 37	683 65	20	400 83	726 1	25 03
06-02-2025 16:45	164 47	487 42	21 15	375 43	672 67	19 47	399 49	734 63	25
06-02-2025 17:00	168 79	510 01	21 8	360 75	675 89	25 77	431 3	737 96	25
06-02-2025 17:15	157 63	475 77	24 03	349 5	899 5	21 11	388 8	753 17	25
06-02-2025 17:30	160 43	483 75	21 38	301 19	799 83	20 48	391 29	779 77	25
06-02-2025 17:45	158 23	477 89	22 03	270 81	848 01	20 64	406 05	810 14	25
06-02-2025 18:00	185 03	558 52	18 45	234 35	870 39	20	402 45	843 48	24 77
06-02-2025 18:15	199 22	601 83	19 84	280 77	723 54	20	388 43	874 48	24 13
06-02-2025 18:30	218 98	637 66	22 03	265 04	877 33	20 1	347 73	826 26	23 88
06-02-2025 18:45	217 98	637 04	21 83	256 29	870 24	21 28	307 18	983 76	23 9
06-02-2025 19:00	227 8	666 11	22 87	255 21	823 96	20	277 82		23 4
06-02-2025 19:15	224 78	618 52	22 84	254 1	831 18	20	285 87		23 08
06-02-2025 19:30	224 85	678 37	22 53	273 22	831 96	21 86	264 16		
06-02-2025 19:45	228 83	693 24	23 04	252 72	914 23	23 54	259 11		
06-02-2025 20:00	229 47	682 16	23 18	280 77	831 7	30 14	258		
06-02-2025 20:15	229 52	691 83	23 07	237 71	838 06	21 51	248 45		
06-02-2025 20:30	224 66	677 95	22 82	236 54	818 88	22 87	247 89		
06-02-2025 20:45	234 82	708 39	23 88	232 77	921 18	21 04	248 03		
06-02-2025 21:00	227 03	684 5	22 87	248 48	820 58	20	247 86		
06-02-2025 21:15	214 43	647 27	21 34	224 88	862 97	21 83	258 64		
06-02-2025 21:30	210 07	623 35	21 07	244 68	878 13	20 76	263 58		



06-02-2025 21:45	223.89	875.95	27.82	265.85	876.26	21.11	250.43	991.11	25
06-02-2025 22:00	218.63	867.18	21.41	238.83	854.07	20	266.57	991.23	25
06-02-2025 22:15	207.40	825.76	20.06	237.83	838.71	20.9	282.16	991.74	24.97
06-02-2025 22:30	210.14	834.8	21.11	247.23	797.02	20.8	255.9	993.32	24.93
06-02-2025 22:45	245.84	735.59	24.4	274.71	757.1	25.17	27.94	104.98	24.2
06-02-2025 23:00	211.30	837.88	21.08	280.27	770.55	20.7	1.85	0.33	24.28
06-02-2025 23:15	200.57	804.87	20.04	272.15	851.55	20.91	231.84	948.07	24.93
06-02-2025 23:30	226.88	884.48	27.58	258.22	795.27	20.45	302.91	796.14	25
06-02-2025 23:45	244.48	737.88	24.48	189.09	497.43	22.06	318.15	837.57	25
07-02-2025 00:00	280.72	848.53	28.98	1.57	0.14	25.84	345.12	830.64	25.73
07-02-2025 00:15	257.96	777.87	25.33	308	115.44	21.09	380.54	808.78	26
07-02-2025 00:30	273.78	874.52	27.46	337.68	458.38	20	384.48	781.31	26
07-02-2025 00:45	293.43	813.37	29.33	351.28	483.8	20.38	379.31	790.54	25.81
07-02-2025 01:00	188.53	509.20	18.73	350.84	534.21	20	368.11	781.15	25.3
07-02-2025 01:15	182.89	551.02	18.51	385.78	578.63	20.18	378.32	754.59	25.3
07-02-2025 01:30	187.84	507.15	17.08	388.27	514.81	20	378.53	747.95	25.18
07-02-2025 01:45	157.52	475.97	21.32	368.35	542.95	20	388.53	743.52	25.23
07-02-2025 02:00	180.89	483.64	25.15	381.78	581.73	20	387.27	710.94	25.18
07-02-2025 02:15	152.16	460.18	23.55	381.20	541.55	20	382.38	693.52	25.21
07-02-2025 02:30	143.7	435.10	26.7	360.91	544.43	20	383.8	655.62	25
07-02-2025 02:45	157.33	475.42	23.25	372.44	652.88	20	379.89	639.47	25.07
07-02-2025 03:00	156.29	468.29	23.48	374.17	648.02	18.87	375.72	645.40	25
07-02-2025 03:15	144.47	438.45	25.8	368.39	583.87	19.03	381.51	681.48	24.53
07-02-2025 03:30	137.84	417.83	25.08	380.34	554.41	15.01	365.67	664.91	24.33
07-02-2025 03:45	178.67	427.8	25.13	371.47	543.99	18.54	378.23	660.19	24.83
07-02-2025 04:00	141.72	429.53	24.85	371.94	518.24	18.97	378.90	683.12	24.23
07-02-2025 04:15	170.62	395.4	24.35	387.37	558.02	15.64	369.6	673.5	24.13
07-02-2025 04:30	118.76	359.7	27.84	334.23	581.5	18.33	380.99	688.05	24
07-02-2025 04:45	127.52	388.52	24.45	320.88	588.26	18.49	410.4	722.1	24.37
07-02-2025 05:00	132.42	400.4	23.02	301.17	652.57	17.83	429.3	737.63	24
07-02-2025 05:15	139.31	381.08	22.31	288.77	673.11	18.73	429.91	772.63	24.13
07-02-2025 05:30	131.11	387.31	24.37	278.84	760.82	17.47	438.12	794.56	24.16
07-02-2025 05:45	161.99	489.33	20.03	254.03	842.8	18.52	437.83	810.96	24.07
07-02-2025 06:00	188.02	501.71	22.38	250.77	818.48	20	436.73	848.54	24.04
07-02-2025 06:15	184.24	501.71	19.06	282.12	820.94	20	428.92	863.54	24.15
07-02-2025 06:30	173.91	525.27	17.29	278.18	821.11	20	380.15	919.64	23.7
07-02-2025 06:45	197.87	397.29	19.78	258.30	780.49	20	368.33	951.59	24
07-02-2025 07:00	221.11	568.28	21.06	262.5	787.93	20	375.93	966.32	24.2
07-02-2025 07:15	214.90	548.58	21.25	286.47	808.93	20	375.58	953.33	24.9
07-02-2025 07:30	190.82	575.28	18.01	382.77	725.97	20	371.58	942.82	24.87
07-02-2025 07:45	173.89	524.89	17.55	254.73	812.89	20	372	947.9	24.97
07-02-2025 08:00	182.51	551.12	18.18	278.03	809.93	20	362.69	949.15	24.94
07-02-2025 08:15	188.18	561.71	18.88	267.89	773.73	20	365.78	945.38	24.89
07-02-2025 08:30	178.27	538	17.73	250.1	795.19	20	374.28	931.62	24.87
07-02-2025 08:45	177.28	535.11	17.02	284.09	732.1	20	381.64	934.93	24.73
07-02-2025 09:00	171.35	518.09	20.71	287.0	760.12	20	347.2	935.44	24.43
07-02-2025 09:15	168.57	509.09	16.46	288.48	759.54	20	351.5	921.79	24.27
07-02-2025 09:30	188.63	512.33	18.83	283.82	773.88	20	352.31	927.23	24.43
07-02-2025 09:45	196.68	503.47	19.73	257.89	809.87	20.4	343.11	950.03	24.84
07-02-2025 10:00	223.4	703.8	23.29	293	740.77	24.34	352.86	921.15	23.28
07-02-2025 10:15	265.72	800.79	28.07	335.35	806.78	25.72	380.34	901.58	25.81
07-02-2025 10:30	215.6	852.87	21.71	345.49	827.17	25.89	428.53	879.55	26.24
07-02-2025 10:45	207.29	825.24	20.82	335	599.91	21.83	421.57	834.4	25.98
07-02-2025 11:00	178.57	329.43	18.94	273.97	881.53	20	378.87	853.13	25.4
07-02-2025 11:15	199.58	602.13	19.81	280.27	895.83	20.03	357.27	882.8	25
07-02-2025 11:30	265.73	687.41	25.04	280.02	759.05	20	347.85	909.87	25
07-02-2025 11:45	418.38	33.57	33.57	255.37	789.05	28.44	324.89	931.06	26.2
07-02-2025 12:00	344.9	983.26	31.18	242.27	825.22	28.83	336.75	940.64	26.83
07-02-2025 12:15	308.95	815.15	28.59	258.75	781.03	25.13	327.83	950.2	25.37
07-02-2025 12:30	320.28	882.27	29.86	305.45	857.05	30.59	388.28	930.51	26.16
07-02-2025 12:45	277.47	836.19	28.80	343.52	792.3	31.07	395.87	990.3	26.73
07-02-2025 13:00	288.93	813.38	26.22	305.1	822.3	32.21	405.14	882.44	27
07-02-2025 13:15	258.02	771.68	25.32	430.27	507.8	29.97	405.72	815.2	27
07-02-2025 13:30	212.72	640.38	21.24	438.28	505.85	26.74	418.13	781.8	27
07-02-2025 13:45	200.26	694.04	18.99	434.53	503.64	23.29	410.29	770.43	27
07-02-2025 14:00	193.49	584.1	18.33	429.75	484.26	21.4	408.07	751.73	27
07-02-2025 14:15	178.86	839.9	17.9	429.78	484.71	20.8	397.38	732.24	27
07-02-2025 14:30	185.95	160.09	18.44	390.7	500.27	19	398.18	715.81	26.94
07-02-2025 14:45	188.06	567.85	18.77	401.71	484.7	20	402.56	724.8	26.63
07-02-2025 15:00	180.05	558.15	18.36	401.71	801.12	20	388.88	721.95	26.19
07-02-2025 15:15	168.73	503.49	21.02	380.05	541.1	20	381.71	741.85	26
07-02-2025 15:30	186.24	562.24	18.27	339.39	819.74	20	381.03	782.83	23.63
07-02-2025 15:45	173.42	523.18	17.12	335.74	815.01	20	358.85	788.67	25.03
07-02-2025 16:00	172.68	521.8	18.12	392.7	842.34	20	359.43	819.08	25
07-02-2025 16:15	181.47	548.05	18.05	251.7	780	20	348.55	852.78	25
07-02-2025 16:30	187.22	580.34	18.98	283.14	717.41	20	338.8	920.04	25
07-02-2025 16:45	180.67	545.51	19.27	261.37	748.02	20	335.72	965.28	25
07-02-2025 17:00	194.01	585.88	19.92	274.84	882.08	20.82	334.95	934.93	24.93
07-02-2025 17:15	208	638	20.81	322.47	855.98	24.35	331.67	931.67	24.8
07-02-2025 17:30	180.23	543.59	17.83	321.86	845.88	21.08	321.07	921.07	24.21
07-02-2025 17:45	188.85	800.26	19.88	278.48	712.74	20	313.9	943.2	24.32
07-02-2025 18:00	205.24	528.29	20.59	258.09	700.37	20	337.05	948.67	24.87
07-02-2025 18:15	222.92	871.35	22.41	249.83	781.45	20	332.1	945.58	24.58
07-02-2025 18:30	220.52	716.21	23.69	247.49	709.85	20	328.76	947.47	24.47
07-02-2025 18:45	244.23	737.24	24.63	274.89	782.04	20	317.12	943.34	24.34
07-02-2025 19:00	247.84	747.45	24.77	284.35	721.23	20	324.83	943.4	24.4
07-02-2025 19:15	253.34	758.2	24.86	256.91	792.2	20	313.09	943.09	24.4
07-02-2025 19:30	238.90	750.85	24.03	285.23	685.7	20	323.74	923.74	24.3
07-02-2025 19:45	237.79	717.16	24.07	247.99	882.02	20	328.17	928.17	24.3
07-02-2025 20:00	232.31	700.37	23.23	253	837.13	20	321.87	921.87	24.3
07-02-2025 20:15	240.09	743.46	24.83	273.12	756.23	20	326.19	924.19	24.3
07-02-2025 20:30	253.66	784.9	25.31	253.34	888.49	20	324.28	924.28	24.3
07-02-2025 20:45	278.97	880.14	25.97	268.43	800.2	20	328.55	928.55	24.3
07-02-2025 21:00	298.24	887.48	28.08	277.83	748.3	20	329.44	929.44	24.3
07-02-2025 21:15	301.14	894.98	28.58	270.74	838.64	20	327.48	927.48	24.3



07-02-2025 21:30	293.92	886.28	27.99	247.3	930.15	20	330.02	24.97
07-02-2025 21:45	298.42	899.61	28.38	250.23	934.87	20.07	331.75	24.93
07-02-2025 22:00	305.21	907.47	28.71	262.73	939.74	22.33	323.09	25
07-02-2025 22:15	317.9	917.11	29.21	288.51	970.35	23.47	340.43	25.2
07-02-2025 22:30	384.35	956.42	18.22	297.13	968.93	20.47	377.84	25.13
07-02-2025 22:45	302.61	811.14	20.09	278.37	930.88	20	26.56	24.03
07-02-2025 23:00	237.85	718.73	23.81	274.24	872.73	20.53	1.26	33.77
07-02-2025 23:15	229.33	690.92	22.95	320.62	846.65	21.55	263.35	24.72
07-02-2025 23:30	243.49	734.25	24.5	290.14	881.62	20.16	358.44	25
07-02-2025 23:45	254.26	768.7	25	200.6	450.03	20	378.58	24.95
08-02-2025 00:00	243.19	733.14	24.15	1.53	-0.24	20	364.68	24.18
08-02-2025 00:15	329.64	705.96	28	83.38	167.85	20.13	362.89	26.66
08-02-2025 00:30	357.28	803.48	31.08	265.47	710.17	20	362.11	24.88
08-02-2025 00:45	250.44	701.53	25.47	268.04	830.61	19.97	374.93	24.8
08-02-2025 01:00	230.55	723.43	23.77	357.36	832.19	19.47	372.85	25
08-02-2025 01:15	239.21	721.35	24.2	301.07	838.85	20	388.69	25
08-02-2025 01:30	234.57	707.44	23.74	271.07	822.03	20	350.52	25
08-02-2025 01:45	226.11	681.23	23.11	276.67	801.9	20	369.47	25
08-02-2025 02:00	222.35	669.81	22.47	284.3	871.47	20	366.48	24.07
08-02-2025 02:15	194.41	580.08	18.29	265.53	894.26	20	364.18	24.92
08-02-2025 02:30	167.81	507.58	18.3	262.38	898.43	20	361.45	24.84
08-02-2025 02:45	174.09	525.77	17.78	267.44	858.2	20	368.28	24.97
08-02-2025 03:00	174.72	527.38	20.39	281.03	868.38	20	375.34	24.93
08-02-2025 03:15	164.05	484.89	21.27	295.8	758.83	20	377.62	24.9
08-02-2025 03:30	177.1	534.4	17.87	259.68	832.17	20	425.08	25.18
08-02-2025 03:45	173.4	523.05	17.11	254.88	873.82	20	455.71	25.38
08-02-2025 04:00	176.57	532.97	17.63	278.77	804.71	20	424.71	25.42
08-02-2025 04:15	177.37	535.34	17.58	278.73	780.77	20	428.6	25.3
08-02-2025 04:30	178.47	533.09	17.57	265.23	772.6	20	404.82	25.07
08-02-2025 04:45	184.95	558.16	18.51	243.90	871.03	20	430.07	25.43
08-02-2025 05:00	199.1	597.44	19.87	297.31	752.98	20	432.73	25.7
08-02-2025 05:15	194.85	587.35	18.84	290.21	665.2	20	412.09	25
08-02-2025 05:30	187.46	566.2	18.65	250.7	779.32	20	388.22	24.87
08-02-2025 05:45	203.9	614.8	20.39	241.81	808.04	20	380.13	24.54
08-02-2025 06:00	213.49	644.72	21.29	245.9	840.13	20	378.62	24.43
08-02-2025 06:15	219.4	624.68	20.81	251.8	813.13	20	373.9	24.73
08-02-2025 06:30	210.25	623.86	20.86	218.2	809.77	20	391.07	24.9
08-02-2025 06:45	202.53	610.27	20.18	268.97	703.65	20	394.34	25
08-02-2025 07:00	204.2	615.8	20.63	247.3	773.05	20	397.76	25
08-02-2025 07:15	191.26	577.03	19.14	252.7	771.48	20	297.83	24.97
08-02-2025 07:30	190.44	574.81	19.04	248.47	782.17	20	385.52	24.73
08-02-2025 07:45	190.26	579.79	19.38	248.53	753.78	20	393.58	24.84
08-02-2025 08:00	190.35	574.78	18.95	240.83	749.07	20	383.98	24.68
08-02-2025 08:15	187.38	565.26	18.75	248.84	782.57	20	389.30	25
08-02-2025 08:30	187.21	565.25	18.64	242.85	783.4	20	381.97	25
08-02-2025 08:45	187.13	564.5	18.73	252.46	728.55	20	386.17	25
08-02-2025 09:00	187.68	566.43	18.66	256.23	730.2	20	394.33	25.03
08-02-2025 09:15	187.18	564.8	18.74	244.6	734.43	20	390.7	25.83
08-02-2025 09:30	181.75	548.18	18.09	248.75	783.23	20	384.74	25
08-02-2025 09:45	187.45	565.71	18.74	251.43	781.2	20	373.02	25
08-02-2025 10:00	201.65	607.48	20.14	257.97	772.18	20	365.13	25
08-02-2025 10:15	205.96	621.36	20.51	227.55	823.02	20	361.64	25.03
08-02-2025 10:30	197.22	595.59	19.79	237.89	821.29	20	350.57	25
08-02-2025 10:45	210.13	633.86	20.84	274.18	711.29	20	342.79	25
08-02-2025 11:00	220.83	666.8	21.98	232.87	812.4	20	352.7	25
08-02-2025 11:15	223.43	667.64	22.1	229.67	824.04	20	352.47	25.03
08-02-2025 11:30	224.49	677.33	22.66	241.34	857.39	20	342.3	25
08-02-2025 11:45	223.45	674.01	22.43	259.13	730.57	20	351.82	25.3
08-02-2025 12:00	281.25	787.57	25.8	267.62	775.02	21.08	355.49	25.43
08-02-2025 12:15	291.19	802.22	27.73	348.2	783.26	28.07	348.98	25.3
08-02-2025 12:30	297.74	897.63	28.08	380.73	884.81	31.53	370.25	25.9
08-02-2025 12:45	299.19	781.58	25.86	408.45	636.24	29.87	387.37	25.87
08-02-2025 13:00	243.06	733.07	24.15	451.73	616.03	25.47	388.8	25.97
08-02-2025 13:15	247.4	725.51	24.5	355.4	640.77	22.77	379.52	25.77
08-02-2025 13:30	215.56	650.32	21.68	314.5	607.37	20.47	360.9	26.03
08-02-2025 13:45	212.13	639.47	21.37	309.23	821.4	20	368.73	26.03
08-02-2025 14:00	232.8	642.12	21.33	288.36	873.47	20.03	378.05	26.08
08-02-2025 14:15	198.34	599.44	19.87	291.72	707.34	21.3	374.14	26.16
08-02-2025 14:30	197.25	595.43	19.7	326.04	688.59	22.58	376.64	26.28
08-02-2025 14:45	204.19	618.29	20.31	317.60	843.98	22.28	375.27	26.03
08-02-2025 15:00	225.31	679.71	22.41	290.11	691.57	20.58	368.58	26.1
08-02-2025 15:15	212.9	641.03	21.2	311.78	618.88	20	369.29	26.2
08-02-2025 15:30	218.92	659.98	21.8	251.43	833.41	20	380.47	25.97
08-02-2025 15:45	258.78	765.29	25.33	273.31	811.15	20	387.74	26.17
08-02-2025 16:00	280.97	819.35	26.92	272.1	798.95	20.40	372.15	26.16
08-02-2025 16:15	282.24	832.2	27.04	281.56	810.88	22.32	371.78	26.26
08-02-2025 16:30	256.22	803.48	26.02	284.5	897	24.3	383.54	26.03
08-02-2025 16:45	285.25	861	27.62	277.8	825.96	27.72	354.36	26.18
08-02-2025 17:00	277.32	805.18	26.69	249.37	801.71	28.38	361.8	26.14
08-02-2025 17:15	267.73	848.64	27.63	288.91	813.1	27.84	350.95	26.88
08-02-2025 17:30	276.48	824.53	26.81	267.8	828.07	25.93	337.4	26.64
08-02-2025 17:45	279.28	842.05	27.14	264.7	865.77	26.77	327.57	25.53
08-02-2025 18:00	290.68	837	27.96	282.62	797.58	26.61	325.76	26.13
08-02-2025 18:15	304.14	812.83	28.51	270.48	812.33	30.88	345.7	26.8
08-02-2025 18:30	450.51		35.67	268.51	881.27	29.88	343.3	26.5
08-02-2025 18:45	387.55	855	31.87	281.29	818.55	29.8	343.8	26.14
08-02-2025 19:00	295.37	781.97	26.4	257.71	873.51	27.01	329.08	26.83
08-02-2025 19:15	357.8	777.58	26.33	258.3	838.17	26.79	327.78	26.18
08-02-2025 19:30	248.81	744.72	24.66	252.98	804.74	27.44	319.72	26.64
08-02-2025 19:45	254.77	757.9	25.24	260.68	858.85	26.44	310.99	26.95
08-02-2025 20:00	270.67	813.29	26.46	261.1	833.92	26.27	308.83	26.07
08-02-2025 20:15	258.09	778.59	25.9	272.75	820.77	26.98	309.63	26.47
08-02-2025 20:30	253.61	762.84	25.19	261.01	861.97	25.11	311.28	26.8
08-02-2025 20:45	232.69	715.92	25.07	261.9	826.9	25.88	312.74	26.54
08-02-2025 21:00	262.31	769.48	26	275.4	761.88	25.17	314.2	26.5



08-02-2025 21:13	261.06	787.83	25.83	253.27	898.89	24.58	338.47	905.74	25.13
08-02-2025 21:30	248.01	748.73	24.61	238.14	833.73	24.23	308.93	905.15	25.05
08-02-2025 21:45	255.81	773.89	25.35	275.8	836.08	22.53	321.17	905.78	25.04
08-02-2025 22:00	263.8	795.74	25.82	275.67	824.77	21.24	326	928.82	25
08-02-2025 22:15	237.78	717.22	23.84	234.77	871.87	24.07	333.04	924.41	25
08-02-2025 22:30	223.33	678.28	22.41	232.8	841.44	23.08	324.45	947.53	24.93
08-02-2025 22:45	224.84	677.81	22.5	230.67	858.19	20.48	314.88	85.7	24.07
08-02-2025 23:00	235.22	710.08	23.25	232.23	805.03	20	3	3.54	24
08-02-2025 23:15	240.77	726.57	24.23	238.15	819.34	20.13	278.05	827.03	24.83
08-02-2025 23:30	225.88	681.76	22.83	235.11	847.83	20	342.82	901.09	25.11
08-02-2025 23:45	221.81	688.1	22.34	233.62	850.64	20	330.27	945.83	25
08-02-2025 00:00	231.65	688.87	22.96	237	811	20	347.88	378.23	25
08-02-2025 00:15	238.45	658.91	23.83	239.2	193.25	25	347.87	986.13	25
08-02-2025 00:30	203.37	618.35	20.41	224.83	811.92	20	332.17	373.1	25
08-02-2025 00:45	207.83	623.2	20.68	234	713.83	20	303.89	955.68	25
08-02-2025 01:00	214.7	647.63	21.33	248.96	795.13	20	342.09	924.87	24.77
08-02-2025 01:15	213.23	642.62	21.67	234.24	912.31	20	312.7	984.99	24.84
08-02-2025 01:30	208.34	628.45	20.83	224.83	914.48	20	345.88	378.53	24.74
08-02-2025 01:45	206.17	622.88	20.64	243.21	870.18	20	382.2	384.12	25.03
08-02-2025 02:00	203.67	615.05	20.38	241.78	860.96	20	373.1	368.22	25
08-02-2025 02:15	202.13	609.72	20.08	241.82	858.08	20	364.01	901.53	25.03
08-02-2025 02:30	192.29	588.17	19.14	241.85	856.76	20	385.87	381.41	25.07
08-02-2025 02:45	183.74	584.02	18.44	233.38	810.52	20	363.19	974.21	25
08-02-2025 03:00	200.52	604.86	20.04	234.58	915.25	20	385.82	971.26	25
08-02-2025 03:15	195.38	592.72	18.91	235.45	898.28	20	367.44	372.18	25.07
08-02-2025 03:30	189.38	571.88	18.02	251.8	833.04	20	385.71	351.98	25.29
08-02-2025 03:45	195.84	603.09	20.07	251.23	836.8	20.8	389.88	340.11	25
08-02-2025 04:00	200.28	604.57	19.89	254.83	838.22	20.34	390.91	905.11	25.4
08-02-2025 04:15	176.49	533.3	17.47	270.82	774.87	20	405.87	903.12	25.24
08-02-2025 04:30	176.85	533.98	17.54	244.01	888.81	20	386.41	908.05	25
08-02-2025 04:45	181.57	575.88	18.03	247.3	840.64	20	361.32	945.21	25
08-02-2025 05:00	220.85	685.56	22.88	230.82	871.83	20	381.95	373.3	25
08-02-2025 05:15	226.01	681.75	22.68	249.41	907.8	20	370.69	875.99	25.12
08-02-2025 05:30	218.49	661.47	22.04	235.53	891.24	20	382.98	977.16	25
08-02-2025 05:45	228.83	687.24	22.72	259.8	827.71	20	338.07	989.34	25
08-02-2025 06:00	236.38	694.38	22.97	251.53	874.24	20	336.35	384.63	25.28
08-02-2025 06:15	231.52	697.38	22.3	230.58	875.91	20	260.57	902.42	25.09
08-02-2025 06:30	217.41	655.41	21.84	250.87	907.23	20	254.85	975.53	25.03
08-02-2025 06:45	212.31	640.08	21.21	238.6	882.58	20	255.01	967.78	25.09
08-02-2025 07:00	211.37	638.02	21.16	229.82	930.75	20	263.92	965.32	25.2
08-02-2025 07:15	217.72	656.98	21.66	251.13	841.4	20	253.84	954.26	25.18
08-02-2025 07:30	220.19	663.89	22.11	237.99	902.83	20	252.35	964.74	25
08-02-2025 07:45	222.54	700.96	22.45	259.8	877.88	20	237.93	975.88	24.97
08-02-2025 08:00	236.21	711.8	22.53	238.38	912.56	20	254.33	995.27	25
08-02-2025 08:15	227.97	686.97	22.74	246.8	884.81	20	230.71	981.55	25
08-02-2025 08:30	217.16	654.96	21.66	256.09	853.84	20	233.2	971.18	25
08-02-2025 08:45	221.12	696.84	22.21	281.82	861.08	20	232.47	968.77	25
08-02-2025 09:00	228.25	691.17	22.91	237.12	917.78	20	236.01	966.81	25
08-02-2025 09:15	233.44	703.18	23.49	229.4	898.26	20	241.82	872.2	25
08-02-2025 09:30	231.23	697.18	23.33	239.05	882.73	20	238.91	988.45	25.07
08-02-2025 09:45	241.03	728.71	24.23	225.8	875.64	20	240	985.84	25
08-02-2025 10:00	226.38	754.89	24.84	262.13	817.73	20.07	236.41	995.27	25
08-02-2025 10:15	258.33	769.38	25.28	271	781.29	20.51	227.91	990.57	25.07
08-02-2025 10:30	254.33	767.3	25.23	230.73	910.52	20.1	238.32	24.96	
08-02-2025 10:45	262.89	796.82	25.8	227.8	913.9	20	238.1	34.83	
08-02-2025 11:00	276.11	811	26.83	232.08	847.09	20	245.77	25	
08-02-2025 11:15	285.88	786.15	25.99	235.42	913.57	20	235.4	24.93	
08-02-2025 11:30	285.46	800.4	25.82	230.25	885.72	20	229.48	25.33	
08-02-2025 11:45	281.75	849.06	27.27	258.19	740.9	20	223.88	25.33	
08-02-2025 12:00	285.58	840.52	27.34	229.39	892.64	20	232.92	25.04	
08-02-2025 12:15	277.89	827.88	26.82	233.92	895.13	20.28	227.45	25.1	
08-02-2025 12:30	272.4	834.14	26.59	238.49	858.7	20.33	233.85	25.18	
08-02-2025 12:45	281.87	848.79	27.12	250.33	803.37	21.17	229.71	25.41	
08-02-2025 13:00	284.58	848.83	27.19	267.4	792.83	20.22	225.99	991.51	25.77
08-02-2025 13:15	308.44	917.07	29.08	281.13	780.48	30.51	219.2	971.01	26.24
08-02-2025 13:30	261.2	787.8	25.62	304.63	843.95	31.22	294.18	914.82	26.38
08-02-2025 13:45	258.25	778.44	25.4	309.8	649.15	30.98	302.64	900.4	26.27
08-02-2025 14:00	264.6	778.63	25.89	311.87	639.25	28.14	320.41	847.78	26.44
08-02-2025 14:15	215.56	650.62	21.46	292.38	685.89	25.4	342.13	814.84	26.8
08-02-2025 14:30	187.71	567.17	18.88	309.6	551.28	22.44	342.97	889.92	26.87
08-02-2025 14:45	180.5	545.31	17.73	284.66	593.21	21.08	349.82	727.3	26.87
08-02-2025 15:00	178.48	542.07	18.74	277.27	827.4	20	337.43	703.67	26.83
08-02-2025 15:15	165.46	500.39	20.34	279.38	831.71	20.2	334.27	861.3	26.38
08-02-2025 15:30	159.9	483.42	21.84	276.77	864	20	327.1	878.33	26.83
08-02-2025 15:45	182.78	553.68	18.37	282.86	640.54	20	328.48	889.73	25.83
08-02-2025 16:00	195.79	590.94	19.31	284.77	731.27	20	334.8	894.3	25.96
08-02-2025 16:15	203.82	592.67	21.18	282.16	694.57	23.48	338.23	837.82	25.93
08-02-2025 16:30	227.34	642.27	20.2	305.88	635.48	26.59	334.89	700.81	27
08-02-2025 16:45	222.22	671.18	24.54	317.31	625.35	22.88	339.2	886.11	26.73
08-02-2025 17:00	147.74	448.88	24.98	356.19	852.92	20	343.67	832.83	25.8
08-02-2025 17:15	138.88	420.84	24.88	364.31	818.33	20	354.52	876.31	25.67
08-02-2025 17:30	131.44	397.64	24.92	340.3	634.48	20	342.85	866.3	25.2
08-02-2025 17:45	120.7	385.71	24.96	301.98	822.83	20	347.79	727.57	25
08-02-2025 18:00	140.71	425.89	23.45	309.64	827.63	20	330.65	748.34	25
08-02-2025 18:15	147.53	446.75	25.83	283.82	743.24	19.27	364.13	789.34	25.94
08-02-2025 18:30	171.43	517.23	18.17	225.51	893.58	19.43	352.04	850.26	26.3
08-02-2025 18:45	192.6	481	19.37	278.78	738.29	20	341.41	865.8	25.99
08-02-2025 19:00	203.43	614.05	20.27	228.39	889.13	20	344.43	879.14	25.93
08-02-2025 19:15	221.88	669.67	22.83	271.44	786.37	20	327.18	901.42	25.8
08-02-2025 19:30	238.63	851.77	21.8	254.31	818.23	20	308.81	873.08	25.7
08-02-2025 19:45	224.6	877.02	22.47	248.78	841.82	20	278.87	961.87	25.7
08-02-2025 20:00	225.07	879.17	22.87	252	868.07	20	267.81	898.25	25.7
08-02-2025 20:15	221.6	899.09	23.26	274	818.13	20	283.11	908	25.7
08-02-2025 20:30	228.81	890.72	23.17	252.31	890.84	20	279	898.3	24.87
08-02-2025 20:45	225.88	710.78	22.88	272.83	850.95	20.2	284.07	25	



09-02-2025 21:00	250.62	755.3	24.75	249.96	853.1	22.72	280.16	939	25
09-02-2025 21:15	264.53	797.33	25.8	291.44	785.44	27.49	270.43		25.13
09-02-2025 21:30	203.45	613.99	20.42	305.48	742.87	26.18	305	969.56	25.6
09-02-2025 21:45	200.92	605.88	19.91	318.47	834.51	23.35	335.57	941.07	26
09-02-2025 22:00	194.32	586.86	19.48	371.65	583.75	20.95	357.57	886.29	26.03
09-02-2025 22:15	183.62	553.85	18.27	343.7	631.7	20.4	336.09	864.37	26.18
09-02-2025 22:30	148.8	450.02	25.77	305.81	664.75	20	337.89	884.09	25.78
09-02-2025 22:45	150.16	453.49	25.98	294.43	655.23	20	17.79	29.84	24.53
09-02-2025 23:00	163.53	494.81	24.39	305.7	705.23	20	1.45	0.25	24.28
09-02-2025 23:15	150.68	455.45	28.78	291.95	667.28	20	304.1	628.68	24.9
09-02-2025 23:30	148.87	448.18	27.27	288.74	747.45	20	278.22	894.25	25.73
09-02-2025 23:45	143.07	431.98	28.58	177.92	452.88	20	288.97	958.83	25.08
10-02-2025 00:00	144.73	437.8	25.43	1.84	0.31	25	298.88	917.21	25
10-02-2025 00:15	139.34	421.48	25.34	60.14	171.88	20	271.93	978.57	24.9
10-02-2025 00:30	140.29	441.93	28.49	287.75	618.45	20	284.38	900.12	24.88
10-02-2025 00:45	152.87	461.7	23.79	305.45	625.3	20	283.43	962.8	24.87
10-02-2025 01:00	165.06	499.18	18.96	260.88	681.49	20	288.22	983.04	25
10-02-2025 01:15	158.48	478.17	21.29	253.81	788.86	20	285.71	982.87	24.86
10-02-2025 01:30	151.32	457.05	27.33	253.76	788.43	20	265.86	985.18	24.76
10-02-2025 01:45	159.82	482.62	21.84	247.23	821.17	20	205.08	985.63	25
10-02-2025 02:00	168.34	508.43	21.38	241.5	758.08	20	262.48	991.81	25
10-02-2025 02:15	161.98	489.04	23.95	270.28	770.82	20	265.18	988.85	25.07
10-02-2025 02:30	164.51	497.09	19.35	283.52	853.38	20	290.88	925.73	25.3
10-02-2025 02:45	168.35	511.35	16.82	278.84	883.27	20	327.31	832.04	25.28
10-02-2025 03:00	178.32	538.03	17.63	282.27	727.03	20	338.52	928.12	25.2
10-02-2025 03:15	177.28	535.03	17.6	284.91	717.24	20	343.8	833.83	25.1
10-02-2025 03:30	168.53	503.36	18.24	262.57	601.01	20	364.58	820.22	25.04
10-02-2025 03:45	170.44	523.41	17.12	288.22	718.85	20	389.17	899.17	25
10-02-2025 04:00	174.19	525.54	17.23	245.83	814.87	20	380.77	936.43	24.97
10-02-2025 04:15	178.62	541.8	17.75	238.27	747.57	20	354.18	931.49	24.87
10-02-2025 04:30	180.69	564.81	18.34	232.11	848.12	20	352.41	927.67	25
10-02-2025 04:45	200.86	606.49	19.88	236.54	795.1	20	348.58	934.52	24.79
10-02-2025 05:00	205.52	620.17	20.82	253.65	742.48	20	362.42	945.15	25
10-02-2025 05:15	196.79	683.72	19.87	244.06	792.42	20	364.71	875.22	25.1
10-02-2025 05:30	207.61	626.01	20.8	248.17	813.2	20	389.89	878.27	25.14
10-02-2025 05:45	202.12	610.42	20.23	260.26	778.1	20	371.16	963.49	25.03
10-02-2025 06:00	213.24	643.15	21.17	250.73	763.18	20	362.92	976.19	25
10-02-2025 06:15	205.65	619.47	20.88	252.81	818.88	20	355.23	994.88	25
10-02-2025 06:30	208.27	623.2	20.45	245.49	792.42	20	336.88	987.5	25
10-02-2025 06:45	210.45	635.49	20.97	230	814.55	20	331.89	992.36	25.03
10-02-2025 07:00	218.88	654.43	21.65	230.52	783.85	20	341.77	988.15	25.13
10-02-2025 07:15	218.48	658.97	21.85	242.13	819.15	20	321.5	986.99	25.23
10-02-2025 07:30	217.36	655.48	21.87	258.84	781.53	20	342.37	981.72	25.23
10-02-2025 07:45	221.6	667.8	22.23	245.78	799.99	20	341.41	977.03	25.07
10-02-2025 08:00	228.43	683.02	22.48	255.2	802.12	20	338.31	985.51	25
10-02-2025 08:15	222.74	671.3	22.24	250.47	791.13	20	348.49	887.43	25.06
10-02-2025 08:30	214.59	647.4	21.51	234.31	851.91	20	342.12	872.34	25.03
10-02-2025 08:45	221.23	667.47	22.17	239.08	775.72	20	334.84	888.43	25
10-02-2025 09:00	212.55	641.84	21.15	260.34	777.83	20	336.3	984.81	25
10-02-2025 09:15	205.31	615.42	20.47	253.84	772.87	20	342.41	889.21	25
10-02-2025 09:30	240.73	703.28	23.42	240.14	789.84	20	328.83	943.08	25
10-02-2025 09:45	262.92		31.73	258.22	798.84	20	324.58		25
10-02-2025 10:00	321.52	982.28	30.47	245.42	831.97	20	325.83	1000	24.87
10-02-2025 10:15	247.02	724.49	24.42	329.71	655.73	20	323.8	996.75	24.87
10-02-2025 10:30	234.27	652	21.66	233.66	823.4	20	321.84		25
10-02-2025 10:45	239.09	720.87	23.87	240.3	808.53	20	324.25		24.87
10-02-2025 11:00	235.88	705.34	23.59	232.76	797.23	20	323.72		25
10-02-2025 11:15	234.49	707.87	23.59	241.23	837.58	20	318.05		24.52
10-02-2025 11:30	237.03	714.28	24	234.82	824.37	20.03	311.32		24.14
10-02-2025 11:45	238.39	722.9	24.19	247.66	808.54	25.37	315.08		24.87
10-02-2025 12:00	250.83	736.84	24.97	248.88	770.91	25.91	318.3		26.23
10-02-2025 12:15	245.38	740.18	24.86	238.4	778.57	20.77	321.15		25.23
10-02-2025 12:30	267.8	807.31	28.13	234.77	817.48	24.81	329.15		25.59
10-02-2025 12:45	276	832.74	28.71	280.61	778.74	31.96	333.42		25.89
10-02-2025 13:00	284.21	851.12	27.91	300.17	678.37	31.88	364.73	889.67	26.07
10-02-2025 13:15	341.83	729.55	24.19	332.8	578.28	29.8	384.88	961.26	26.97
10-02-2025 13:30	303.96	621.48	20.88	302.75	587.8	25.81	388.88	827.88	26.84
10-02-2025 13:45	188.32	569.1	18.72	281.27	611.93	25.79	408.88	918.29	26.3
10-02-2025 14:00	174.21	625.97	19.13	242.89	702.89	20	402.58	918.92	26
10-02-2025 14:15	163.08	493.91	20.89	281.9	703.2	20.03	370.29	943.12	25.42
10-02-2025 14:30	164.53	508.95	18.48	261.4	708.53	20	330.1		25.07
10-02-2025 14:45	184.58	587.43	18.41	228.4	808.52	20	307.5		26.27
10-02-2025 15:00	236.83	715.22	23.78	267.25	678.35	20	298.29		25.7
10-02-2025 15:15	263.14	794.37	28	230.31	843.82	20.03	302.19		25.83
10-02-2025 15:30	270.84	818.75	28.4	225.8	837.74	20.25	298.11		25.77
10-02-2025 15:45	291.74	874.9	27.87	247	787.27	21.89	283.91		25.77
10-02-2025 16:00	303.21	959.38	30.45	238.22	827.81	23.26	278.77		25.8
10-02-2025 16:15	307.63	909.98	28.12	236.84	847.12	22.18	271.18		25.81
10-02-2025 16:30	288.87	884.88	27.8	241.15	788.88	22.73	270.84		25.84
10-02-2025 16:45	297.07	895.18	28.28	245.72	766.88	24.83	276.23		25.4
10-02-2025 17:00	273.75	815.81	26.48	241.92	791.44	25.14	272.81		25.88
10-02-2025 17:15	274.64	820.85	26.6	238.84	791.78	22.07	275.12		25.30
10-02-2025 17:30	271.08	817.47	28.28	238.38	878.81	21.2	281.3		25.13
10-02-2025 17:45	273.54	823.96	28.43	250.78	788.33	21.13	285.37		25.08
10-02-2025 18:00	280.99	816.2	28.98	222.95	838.31	21.38	288.04		25.87
10-02-2025 18:15	281.74	788.09	25.81	231.78	838.84	22.09	280.88		25.87
10-02-2025 18:30	258.55	773.75	25.41	238.84	888.43	20.4	254.8		25.8
10-02-2025 18:45	253.17	761.98	25.42	234.4	882.71	20	282.83		25
10-02-2025 19:00	259.81	775.33	25.59	248.22	803.4	20	283.3		25
10-02-2025 19:15	257.86	776.83	25.44	231.72	878.87	20.07	270.72		25
10-02-2025 19:30	222.24	670.45	22.22	253.87	771.8	20	269.73		25
10-02-2025 19:45	229.03	680.99	23.26	255.4	778.58	20.73	269.8		25
10-02-2025 20:00	230.73	684.76	22.86	228.87	872.83	20.82	278.28		25
10-02-2025 20:15	237.47	685.74	21.93	258.08	741.48	20.88	273.07		25
10-02-2025 20:30	232.24	640.48	21.92	233.85	881.07	20.78	283.63		25.03



10-02-2025 20:45	279.83	602.78	23.03	232.34	838.76	21.03	275.46	994	25
10-02-2025 21:00	247.09	743.14	24.64	236.4	799.17	25.55	267.99	994.93	25
10-02-2025 21:15	250.49	755.48	24.99	291.13	767.09	29.38	292.47	993.93	25.98
10-02-2025 21:30	210.07	634.28	20.91	318.86	705.86	27.78	307.12	966.76	24.97
10-02-2025 21:45	202.76	611.3	20.33	288.53	682.1	21.17	345.65	936.27	25.62
10-02-2025 22:00	235.41	687.29	23.2	303.38	848.15	21.35	383.37	879.57	25.87
10-02-2025 22:15	195.29	559.38	19.32	326.3	999.32	21.35	490.23	848.14	25
10-02-2025 22:30	161.04	487.02	19.01	313.68	643.95	20	393.99	850.9	25.1
10-02-2025 22:45	159.77	482.22	21.57	275.22	893.55	20	14.05	28.48	24.73
10-02-2025 23:00	178.4	478.33	26.3	270.2	893.58	20	1.51	0.42	24
10-02-2025 23:15	146.36	443.03	26.19	253.74	730.83	20	277.11	647.71	24.9
10-02-2025 23:30	154.01	475.22	25.88	255.07	609.98	20	327.02	883.84	24.73
10-02-2025 23:45	168.53	508.48	18.81	158.12	459.7	20	315.34	977.01	24.25
11-02-2025 00:00	163.76	554.37	18.39	1.39	8.20	20	317.54	991	24.09
11-02-2025 00:15	178.28	538.24	17.8	74.13	193.93	20	223	996	24.7
11-02-2025 00:30	176.38	532.56	17.55	249.8	682.3	20	338.04	991.67	24.8
11-02-2025 00:45	183.34	547.88	18.11	260.67	784.8	20	331.29		24.7
11-02-2025 01:00	191.85	579.47	19.03	249.23	848.1	20	328.02		24.97
11-02-2025 01:15	186.82	584.19	18.61	289.12	715.34	20	325.85		24.83
11-02-2025 01:30	195.42	600.3	18.47	285.82	805.42	20	329.87	999	25
11-02-2025 01:45	181.02	547.1	17.87	278.38	754.94	20	325.91	990.75	25
11-02-2025 02:00	179.75	541.54	17.87	277.74	759.93	20	315.54	995.25	25.03
11-02-2025 02:15	170.38	514.85	17.22	256.27	808.45	20	317.27	992	25.03
11-02-2025 02:30	163.76	502.86	16.4	277.81	746.98	20	319.87	981.54	25
11-02-2025 02:45	169.96	512.86	16.99	268.29	768.24	20	319.84	984.56	25.03
11-02-2025 03:00	164.89	557.71	18.35	258.03	827.97	20	317.27	990.38	25
11-02-2025 03:15	176.49	532.97	17.38	282.26	801.95	20	319.78	993.02	25
11-02-2025 03:30	181.82	548.84	18.18	259.14	862.5	20	322.47	990.25	25
11-02-2025 03:45	189.74	571.43	18.82	256.8	890	20	328.15	975.99	25.03
11-02-2025 04:00	209.08	635.66	20.66	285.91	744.18	20	334.99	965.26	25
11-02-2025 04:15	197.42	596.4	19.63	258.74	819.02	20	325.75	979.4	25.03
11-02-2025 04:30	199.1	571.04	19.01	274.94	788.51	20	330.5	972.8	25
11-02-2025 04:45	185.87	561.03	18.37	262.8	810.93	20	329.89	954.93	25
11-02-2025 05:00	193.12	582.99	19.22	290.28	849.81	20	338.25	970.25	25
11-02-2025 05:15	188.47	568.98	18.83	290.81	879.85	20	342.52	971.9	24.94
11-02-2025 05:30	174.86	529.34	17.44	282.5	759.92	20	322.22	981.05	24.27
11-02-2025 05:45	179.74	542.85	17.8	294.87	667.5	20	328.17	987.14	24.33
11-02-2025 06:00	184.71	587.96	19.66	270.05	760.97	20	334.86	980.93	24.47
11-02-2025 06:15	188.47	568.9	18.74	234.15	851.47	20	330.3	980.17	24.18
11-02-2025 06:30	178.61	528.48	17.71	263.45	809.89	20	327.64	992.13	24.73
11-02-2025 06:45	178.33	537.85	17.74	274.23	720.84	20	344.55	975.52	24.83
11-02-2025 07:00	199.2	601.54	19.72	243.27	809.39	20	346.76	975.63	24.63
11-02-2025 07:15	213.54	643.98	21.33	271.37	774.23	20	343.49	984.7	24.51
11-02-2025 07:30	204.58	629.83	20.8	272.73	740.23	20	338.81	992.67	24.54
11-02-2025 07:45	200.98	666.48	22.13	289	894.99	20	344.15	991.12	24.52
11-02-2025 08:00	231.35	695.66	22.88	262.03	688.48	20	346.25	988.96	24.67
11-02-2025 08:15	223.88	675.71	22.34	274.57	712.7	20	357.45	978.59	24.57
11-02-2025 08:30	218.87	654.22	21.83	259.6	739.95	20	350.1	988.85	24.41
11-02-2025 08:45	228.11	690.87	22.84	262.14	743.11	20	340.25	981.89	24.14
11-02-2025 09:00	238.88	720.4	23.86	258.35	818.77	20	332.83	985.83	24.27
11-02-2025 09:15	342.15	825.88	28.27	254.21	751.08	20	341.64	977.37	24.67
11-02-2025 09:30	435.16		34.78	254.56	747.58	20.44	335.03	980.54	25.8
11-02-2025 09:45	221.55	697.78	23.01	272.86	667.55	20	325.67	990.89	25.12
11-02-2025 10:00	232.21	709.36	23.43	263.39	727.3	20	320.37	981	24.3
11-02-2025 10:15	252.42	749.42	23.38	284.09	772.59	20	318.41		25
11-02-2025 10:30	243.8	725.27	24.34	278.01	733.01	20	324.93	995.45	24.83
11-02-2025 10:45	217.54	656.6	21.74	278.89	773.29	20	335.17	994.5	25
11-02-2025 11:00	227.32	686.48	22.78	244.88	817.55	20	280.73	998.12	24.76
11-02-2025 11:15	229.12	696.0	23.03	258.96	795.66	20	236.04	998.25	25.04
11-02-2025 11:30	232.84	705.72	23.7	261.55	745.18	20	241.28	997	25
11-02-2025 11:45	236.63	714.27	23.81	260.36	793.47	20	244.23		25
11-02-2025 12:00	246.94	746.94	24.62	271.03	770.49	20	243.35		25.07
11-02-2025 12:15	239.67	722.86	23.96	236.73	818.67	23.48	240.32		25.4
11-02-2025 12:30	233.93	705.85	23.45	293.87	712.65	31.04	234.81		25.85
11-02-2025 12:45	222.18	670.64	22.26	301.49	648.63	32.23	265.18	989.57	26.31
11-02-2025 13:00	223.77	679.5	22.36	277.69	694.54	29.56	276.53	971.26	26.34
11-02-2025 13:15	215.37	635.12	21.21	285.26	844.43	25.01	263.7	870.76	26.31
11-02-2025 13:30	228.88	690.96	23.05	225.81	764.43	20.98	247.4	886.9	26.07
11-02-2025 13:45	145.42	740.4	24.58	256.25	767.27	20.00	228.83	992.25	26.07
11-02-2025 14:00	281.81	813.33	26.98	272	701.47	21.1	231.17		26.3
11-02-2025 14:15	281.82	835.48	27.08	321.33	890.12	22.22	250.00		26.1
11-02-2025 14:30	278.23	828.18	27	241.14	785.57	23.71	253.2		26.27
11-02-2025 14:45	297.87	867.41	27.7	240.88	798.84	23.25	257.87		26.21
11-02-2025 15:00	298.77	857.49	28.09	267.76	747.24	24.18	255.43		26.1
11-02-2025 15:15	287.14	849.27	27.61	270.41	763.72	24.65	239.81		25.49
11-02-2025 15:30	281.37	848.48	27.02	251.34	820.8	22.23	249.27		26.18
11-02-2025 15:45	286.23	844.27	27.03	270.43	817.9	21.23	247.6		25.53
11-02-2025 16:00	293.88	860.56	27.67	270.26	788.86	23.7	256.8		26
11-02-2025 16:15	279.92	825.84	27.01	291.21	820.21	23.33	246.7		25.94
11-02-2025 16:30	279.87	822.54	26.84	272.13	787.43	22.82	241.77		25.99
11-02-2025 16:45	271.06	817.07	26.41	262.43	860.38	21.41	243.89		25.93
11-02-2025 17:00	281.85	803.32	26.97	267.75	842.03	20.87	209.27		25.56
11-02-2025 17:15	280.03	767.5	25.6	242.14	881.97	21.85	202.59		25.8
11-02-2025 17:30	253.79	785.87	25.26	289.03	800.88	22.18	210.27		25.77
11-02-2025 17:45	248.7	780.15	25.47	279.07	798.83	21.5	209.07		25.51
11-02-2025 18:00	258.96	754.92	25.88	245.98	810.43	21.43	208.1		25
11-02-2025 18:15	251.98	751.01	25.03	262.48	848.79	21.89	203.81		25
11-02-2025 18:30	251.14	746.28	24.96	302.1	733.8	21.57	219		25
11-02-2025 18:45	249.7	752.33	24.81	300.23	764.77	21.07	212.89		25
11-02-2025 19:00	260.92	745.02	25.57	301.37	767.97	22	213.29		25
11-02-2025 19:15	250.44	755.59	24.96	275.13	869.58	23.47	211.98		25
11-02-2025 19:30	239.88	723.87	24.26	278.13	848.98	24.62	217.38		25
11-02-2025 19:45	252.34	761.73	25.09	287.35	822.94	25.13	221.82		25.1
11-02-2025 20:00	253.87	760.11	25.72	298.78	809.63	25.4	218.76		25.1
11-02-2025 20:15	248.46	742.65	25	271.98	850.68	26.76	227		25.07



11-02-2025 20:30	230.37	711.68	23.74	288.08	858.98	26.4	238.82	399	25.07
11-02-2025 20:45	234.52	729.89	25.4	287.54	858.12	27.15	237.54	398	25
11-02-2025 21:00	239.98	751.87	23.95	283.81	846.11	31.12	244.17	394.85	25.1
11-02-2025 21:15	198.49	599.51	19.72	545.7	780.84	11.2	215.45	393.87	25.23
11-02-2025 21:30	501.29	627.29	20.11	347.82	754.84	30.96	210.22	374.99	25.34
11-02-2025 21:45	203.85	614.8	20.41	310.94	694.25	31	298	547.74	25.57
11-02-2025 22:00	208.48	623.22	20.71	383.1	627.23	32.13	308.2	548.4	25.66
11-02-2025 22:15	196.91	594.07	19.61	382.4	584.6	29.58	298.73	548.5	25.81
11-02-2025 22:30	194.47	557.07	18.36	328.41	692.96	21.3	264.28	565.79	25
11-02-2025 22:45	205.98	623.71	20.68	293.04	739.87	20	2.8	0.4	24.24
11-02-2025 23:00	248.22	720	24.88	287.29	839.78	20	2.84	0.25	24.58
11-02-2025 23:15	243.82	735.56	24.71	301.03	767.93	21.77	197.2	621.41	24.87
11-02-2025 23:30	298	787.67	24.56	298.83	868.1	23.8	280.3	699.5	25.23
11-02-2025 23:45	264.98	790.03	25.85	388.32	853.53	22.19	264.43	698.23	25.2
12-02-2025 00:00	235.78	710.43	23.43	1.58	0.38	27.23	265.73	681.74	25.38
12-02-2025 00:15	230.31	635.39	21.02	71.12	189.84	22.68	268.58	686.63	25.19
12-02-2025 00:30	209.39	630.63	20.92	298.51	787.95	24.67	261.98	681.74	25.26
12-02-2025 00:45	208.92	630.12	20.95	295.36	820.57	24.01	255.84	681.74	25.07
12-02-2025 01:00	219.08	649.73	21.87	260.46	897.75	24.53	253.92	681.74	25.16
12-02-2025 01:15	198.73	602.47	19.85	265.67	826.92	24.97	268.83	681.74	25.38
12-02-2025 01:30	187.33	565.47	18.82	291.9	822.26	24.68	269.52	681.74	25.28
12-02-2025 01:45	188.35	567.86	18.5	275.37	825.2	22.67	263.01	681.74	25.41
12-02-2025 02:00	204.25	615.66	20.36	274.39	837.3	21.19	247.83	681.74	25.13
12-02-2025 02:15	188.94	584.31	18.53	268.5	810.57	21.72	251.44	681.74	25.14
12-02-2025 02:30	180.16	543.86	17.62	283.8	810.17	21.33	261.39	681.74	25.29
12-02-2025 02:45	182.24	550.38	18.19	262.47	837.23	20.33	263.15	681.74	25.12
12-02-2025 03:00	187.73	567.06	18.74	272.08	828.86	20	251.29	681.74	24.7
12-02-2025 03:15	173.78	524.28	17.2	282.8	823.13	20.15	254.45	681.74	24.72
12-02-2025 03:30	172.89	521.04	17.52	273.18	814.45	19.07	253.81	681.74	24.77
12-02-2025 03:45	162.8	551.46	18.18	266.1	791.75	20.72	253.24	681.74	24.9
12-02-2025 04:00	221.23	655.28	22.17	326.12	795.13	27.71	236.11	681.74	25.58
12-02-2025 04:15	199.34	601.18	19.94	345.77	820.41	28.98	388.88	681.74	26.3
12-02-2025 04:30	200.32	604.89	20.05	349.5	597.5	24.88	419.73	681.74	26.13
12-02-2025 04:45	170.21	514.2	16.94	326.42	595.62	20.3	406.15	681.74	26
12-02-2025 05:00	168.48	508.76	20.32	280.97	751.4	20	379.83	681.74	25
12-02-2025 05:15	144.11	435.88	25.30	280.05	702.94	20	345.87	681.74	24.97
12-02-2025 05:30	153.62	464.02	25.06	262.73	722.03	20	314.27	681.74	24.18
12-02-2025 05:45	172.85	522.54	18.98	263.23	854.16	20	288.45	681.74	23.79
12-02-2025 06:00	193.86	563.1	19.27	288.9	795.27	20	277.38	681.74	23.54
12-02-2025 06:15	197.18	594.93	19.68	273.01	837.88	20	287.6	681.74	23.64
12-02-2025 06:30	170.79	515.98	17.94	286.44	730.2	20	286.36	681.74	24.2
12-02-2025 06:45	172.07	519.87	17.02	278.55	851.17	20	291.04	681.74	24.1
12-02-2025 07:00	184.64	557.89	18.32	282.76	810.57	20	288.88	681.74	24.14
12-02-2025 07:15	177.32	534.74	17.60	291.91	882.98	20	285.22	681.74	24.2
12-02-2025 07:30	178.35	538.39	17.63	283.8	890.13	20	277.69	681.74	23.83
12-02-2025 07:45	176.39	532	17.55	274.27	818.9	20	272.79	681.74	24.24
12-02-2025 08:00	185.39	598.09	18.22	288.97	796.20	20	274.77	681.74	24.30
12-02-2025 08:15	180.4	574.29	18.18	287.42	725.85	20	272.53	681.74	24.47
12-02-2025 08:30	178.29	543.13	17.78	235.60	800.11	20	289.77	681.74	24.27
12-02-2025 08:45	165.51	490.64	17.76	263.85	774.05	20	287.0	681.74	24.23
12-02-2025 09:00	167.14	604.83	24.43	273.10	770.98	20	289	681.74	24.30
12-02-2025 09:15	163.49	483.6	21.87	296.44	743.55	20.45	282.3	681.74	24.87
12-02-2025 09:30	174.87	528.68	17.88	270.59	788.44	20	288.03	681.74	24.79
12-02-2025 09:45	168.25	607.66	18.81	275.96	822.22	20	287.58	681.74	25
12-02-2025 10:00	177.05	634.34	18.25	248.32	823.88	20	270.8	681.74	25.02
12-02-2025 10:15	180.95	548.38	18.04	258.94	851.48	20	270.81	681.74	25.3
12-02-2025 10:30	264.94	673.42	23.68	257.48	607.10	27.01	271.57	681.74	26.47
12-02-2025 10:45	274.29	792.37	30.82	261.8	791.42	32.07	258.62	681.74	26.6
12-02-2025 11:00	264.27	792.37	27.49	250.31	837.29	25.8	259.89	681.74	25.41
12-02-2025 11:15	175.07	528.54	17.39	250.97	871.74	20	258.23	681.74	25.1
12-02-2025 11:30	167.17	504.58	16.57	242.29	852.75	20	258.43	681.74	25.23
12-02-2025 11:45	176.54	523.65	17.48	263.97	759.43	20.03	254.15	681.74	25.59
12-02-2025 12:00	186.45	563.18	18.49	247.03	826.06	20.22	252.23	681.74	26
12-02-2025 12:15	180.99	548.79	17.88	259.57	789.20	22.43	254.28	681.74	25
12-02-2025 12:30	188.13	567.7	18.69	299.44	781.8	28.69	254.18	681.74	26.03
12-02-2025 12:45	225.76	681.14	22.83	306.67	750.7	30.93	251.77	681.74	26.30
12-02-2025 13:00	235.17	709.44	23.65	310.22	657.72	32.14	229.47	681.74	26.89
12-02-2025 13:15	239.36	721.49	23.98	280.89	664.41	30.78	320.71	681.74	26.3
12-02-2025 13:30	227.91	687.2	25.78	308.27	596.58	31.87	337.4	681.74	26.97
12-02-2025 13:45	238.27	688.1	23.02	287.78	708.67	28.23	306.38	681.74	26.51
12-02-2025 14:00	238.24	721.41	23.59	292.30	656.85	23.01	319.31	681.74	26.13
12-02-2025 14:15	226.77	684.23	22.9	302.11	728.68	28.08	265.79	681.74	26.42
12-02-2025 14:30	221.05	667.91	22.19	319.17	705.18	28.85	295.88	681.74	26.25
12-02-2025 14:45	204.68	653.94	22.01	363.97	610.68	30.82	334.09	681.74	26.88
12-02-2025 15:00	190.6	675.4	19.96	377.81	820.74	27.97	347.97	681.74	26.83
12-02-2025 15:15	178.35	519.13	17.76	379.98	382.64	26.99	279.59	681.74	27
12-02-2025 15:30	185.01	498.88	18.02	379.53	882.1	24.8	383.67	681.74	27
12-02-2025 15:45	188.30	569.44	17.25	380.40	548.88	23.04	387.84	681.74	27
12-02-2025 16:00	159.64	481.85	24.04	387.39	533.3	20.78	376.5	681.74	27
12-02-2025 16:15	147.41	465.58	25.9	317.88	577.18	20.1	387.48	681.74	26.87
12-02-2025 16:30	142.18	438.28	28.40	279.19	688.41	20	311.3	681.74	26.5
12-02-2025 16:45	175.89	536.86	18.86	271.81	721.4	20	319.12	681.74	26.71
12-02-2025 17:00	198.13	591.63	19.72	248.68	629.31	20	294.84	681.74	26.14
12-02-2025 17:15	205.05	620.47	20.25	380.18	750.91	20	276.67	681.74	26.82
12-02-2025 17:30	218.15	618.31	21.91	268.88	882.02	23	272.29	681.74	25.18
12-02-2025 17:45	229.81	619.58	22.82	298.17	897.41	20	284.44	681.74	25.11
12-02-2025 18:00	238.28	721.76	24.1	246.57	896.72	20	281.18	681.74	25
12-02-2025 18:15	227.98	672.78	22.37	250.87	788.55	20.03	265.14	681.74	25.80
12-02-2025 18:30	221.78	669.31	22.28	238.15	843.64	20	274.87	681.74	25.27
12-02-2025 18:45	234.98	708.16	23.82	280.21	822.03	20	281.58	681.74	25.26
12-02-2025 19:00	233.05	709.52	23.23	278.69	777.4	20	231.31	681.74	25.10
12-02-2025 19:15	214.41	675.83	22.93	248.29	888.86	20	253.47	681.74	25.82
12-02-2025 19:30	222.24	675.18	22.87	275.91	812.24	20	260.81	681.74	25.97
12-02-2025 19:45	220.3	684.23	22.12	270.25	799.62	20	269.72	681.74	25
12-02-2025 20:00	228.6	677.03	22.72	287.43	838.58	20	251.13	681.74	25

12-02-2025 20:15	259.95	533.45	25.25	258.7	432.13	25	248.81	816.24	25
12-02-2025 20:30	252.48	513.8	25.18	257.38	428.16	25	243.32	805.11	25
12-02-2025 20:45	236.55	473.32	25.11	254.17	411.18	25	245.48	801.13	24.93
12-02-2025 21:00	220.17	444.26	25.02	255.54	419.73	25	242.23	804.89	24.97
12-02-2025 21:15	218.11	441.18	25.00	235.73	359.48	25.86	273.54	839.7	25.03
12-02-2025 21:30	190.91	403.58	25.05	236.4	357.57	25.83	282.37	835.83	25
12-02-2025 21:45	203.48	413.9	25.34	254.58	396.34	25	273.64	840.8	24.95
12-02-2025 22:00	218.15	438.12	25.82	285.58	445.38	26.1	272.85	872.09	25.03
12-02-2025 22:15	178.73	355.85	25.78	214.54	344.7	26.06	302.55	845.29	25.13
12-02-2025 22:30	181.7	355.44	25.38	281.64	414.43	26	296.72	819.55	24.97
12-02-2025 22:45	188.25	315.96	18.42	268.48	413.51	26	211	5.33	24
12-02-2025 23:00	198.81	305.34	19.86	268.42	398.54	26	1.48	0.41	24.07
12-02-2025 23:15	207.35	325.54	20.54	263.47	391.85	26	225.58	587.84	24.58
12-02-2025 23:30	202.42	311.37	20.18	272.27	379.17	26	267.25	613.54	24.79
12-02-2025 23:45	214.35	345.58	21.41	285.2	417.23	26	282.04	661.7	24.67
13-02-2025 00:00	224.24	415.85	22.33	1.51	5.27	26	279.59	767.64	24.37
13-02-2025 00:15	204.53	418.48	20.48	81.26	212.37	26	265.33	790.12	24.17
13-02-2025 00:30	201.53	414.1	20.28	229.8	342.55	26	264.77	1050	24.33
13-02-2025 00:45	204.55	417.29	20.51	235.54	418.88	26	275.11	1082.72	24.82
13-02-2025 01:00	215.35	434.83	21.14	219.42	449.87	26	286.77	1092.85	25.15
13-02-2025 01:15	206.14	404.83	20.84	247.53	489.41	26	285.39	1082.29	25.16
13-02-2025 01:30	206.48	422.77	20.89	231.4	488.52	26	282.4	1052.55	24.77
13-02-2025 01:45	205.62	404.85	20.93	232.58	468.73	26	277.06	1048.45	24.93
13-02-2025 02:00	208.43	408.73	20.76	254.8	445.43	26	284.58	1012	25.03
13-02-2025 02:15	206.68	403.17	20.74	262.64	419.38	26.2	217.51	1045.11	25.06
13-02-2025 02:30	183.54	408.77	18.81	302.57	483.26	22.43	354.73	1171.89	25.00
13-02-2025 02:45	149.86	401.55	24.58	308.13	447.39	22.1	425.48	1158.14	26.24
13-02-2025 03:00	146.43	442.58	24.89	335.37	406.28	22.75	411.4	1112.87	25.23
13-02-2025 03:15	142.59	430.85	23.48	298.18	353.18	25	396.86	1098	25.51
13-02-2025 03:30	138.25	418.1	23.88	271.27	358.33	25	389.11	1022.07	25.07
13-02-2025 03:45	142.36	429.81	25.94	312.77	441.59	25	378.32	1022.07	25.07
13-02-2025 04:00	155.33	468.85	23.73	323.13	483.71	26	337.55	1035.48	24.64
13-02-2025 04:15	148.38	448.8	25.49	337.89	395.35	26	289.51	1036.56	24.27
13-02-2025 04:30	149.83	452.48	27.12	253.65	406.5	26	260.33	1045.19	24.39
13-02-2025 04:45	150.29	454.84	25.81	223.71	415.71	26	294.33	1071.7	24.23
13-02-2025 05:00	158.86	462.74	25.88	225.79	444.57	26	247.73	1055.87	24.33
13-02-2025 05:15	157.26	474.64	24.69	236.53	471.56	26	250.23	1044.23	24.53
13-02-2025 05:30	154.25	468.38	26.34	238.35	427.12	26	259.79	1059.11	24.99 D
13-02-2025 05:45	171.8	518.8	17	228.17	405.59	26	265.97	1051.7	24.8 D
13-02-2025 06:00	188.67	567.57	18.67	215.8	323.55	26	252.27	1048.81	24.47 D
13-02-2025 06:15	182.43	515.4	18.07	232.87	323.55	26	252.57	1048.81	24.47 D
13-02-2025 06:30	186.63	563.43	18.9	225.9	451.91	26	258.93	1074.47	24.37 D
13-02-2025 06:45	181.8	548.17	18.57	223.6	421.33	26	252.2	1042.31	24.53 D
13-02-2025 07:00	196.5	593.07	18.7	237.9	453.67	26	254	1078.1	24.6 D
13-02-2025 07:15	187.87	568.83	18.8	226.47	477.12	26	262.3	1078.14	24.77 D
13-02-2025 07:30	193.33	582.87	18.5	218.87	431.94	26	265	1055.28	24.87 D
13-02-2025 07:45	187.5	586.2	18.77	223.23	460.59	26	260.9	1044.2	25 D
13-02-2025 08:00	202	611.7	20.07	227.5	418.71	26	262.13	1066	25.03 D
13-02-2025 08:15	187.87	568.91	18.8	213.7	400.85	26	267.27	1068	25 D
13-02-2025 08:30	184.23	555.4	18.47	240.77	443.2	26	271.3	1086.76	25 D
13-02-2025 08:45	188.43	568.18	18.77	234.97	414.6	26	276.2	1095.86	25.17 D
13-02-2025 09:00	200.7	605.12	20.2	201.83	420.25	26	272.93	1085.47	25.23 D
13-02-2025 09:15	196.83	603.77	18.7	240.93	416.93	26	282.43	1099.85	24.17 D
13-02-2025 09:30	199.83	602.77	19.58	223.03	422.89	26	275.4	1077.17	25.17 D
13-02-2025 09:45	208.67	628.3	20.73	238.97	416.04	26	269.77	1072.53	25 D
13-02-2025 10:00	228.6	677.86	22.8	293.57	420.12	26	264.53	1042.1	25.38 D
13-02-2025 10:15	214.57	646.23	21.47	242.47	414.87	26.03	264.57	1090.12	25.3 D
13-02-2025 10:30	211.17	638.1	21.3	215.43	491.53	21.37	282.37	1052.38	26.7 D
13-02-2025 10:45	247.8	705.43	29.17	214.2	481.38	26.4	251.8	1074.53	26.5 D
13-02-2025 11:00	200.87	621.8	22.8	217.4	415.55	30.4	251.5	1079.13	26.3 D
13-02-2025 11:15	204.43	615.8	29.23	263.8	418	31.1	250.23	1063.27	25.73 D
13-02-2025 11:30	222.17	673.97	26.7	266.8	426.26	30.57	289.2	1012.8	26.3 D
13-02-2025 11:45	279	820.83	28.83	280.37	751.6	27.8	337.13	1011.82	26.8 D
13-02-2025 12:00	264.56	798.33	23.56	290.33	715.67	28.89	350.22	1071.12	26.87 D

[Signature]
 14/2/2025
 (Harad Malviya)





REGIONAL LABORATORY PRAYAGRAJ
UTTAR PRADESH POLLUTION CONTROL BOARD
 Sector-10, Yojna No.-3 Avas Vikas Parishad Colony, Jhusi, Prayagraj



TEST REPORT: WASTE WATER LABORATORY

Ref No: 30476706/Allahabad/2025

Date: 17/02/2025

- 1- Name of Industry: PRAYAGRAJ POWER GENERATION COMPANY LTD, Prayagraj Power Generation Company Ltd , PO- Lohgara, Tehsil-Bara, Prayagraj, PRAYAGRAJ, 212107
- 2- Address of Industry: Prayagraj Power Generation Company Ltd , PO- Lohgara, Tehsil-Bara, Prayagraj, PRAYAGRAJ, 212107
- 3- District: Prayagraj
- 4- Description about sampling point: Outlet of ETP
- 5- Type of Sample (Grab/Composite/Integrated): Grab
- 6- Sample Collected By: Sri Kaushal Kumar AEE & -- --
- 7- Colour and Odour: Colorless Odourless
- 8- Quantity and Packing: 2 liter jericin, MPN Bottle
- 9- Date of Sample Collection: 13/02/2025
- 10- Analysis Indented by: RO Allahabad
- 11- Date of sample receipt in Lab: 13/02/2025
- 12- Period of Analysis: 4 Days
- 13- ULR Number: --
- 14- Sampling Plan/Ref. No.: Quarterly
- 15- Sampling Method Ref.: APHA 24th Edition 2023- 1060 A, B, C, Page No.- 42- 52, Collection & Preservation of Samples

S. N.	Parameter/Method Name	Unit	Results	Standard	Detection Range
1	pH, APHA 24th Ed. 4500B: 2023	-	7.51	5.5-9.0	02-12
2	Suspended Solids , APHA 24th Ed. 2540 D Total Suspended Solids dried at 103-105 °C 2023	mg/l	28	<100 mg/L	10-20000 mg/l
3	BOD, APHA 24th Ed. 3 day 27 °C IS 3025 (Part 44): 1993 Bio 2023	mg/l	8.2	30 mg/L	1.0 -50000 mg/l
4	COD, APHA 24th Ed. 5220 B Open Reflux Method 2023	mg/l	14	250 mg/L	5.0 -100000 mg/l

Reference- (1) General Standards for discharge of environmental pollutants are as part-A Effluent (Schedule-VI). The Environment (Protection) Rules, 1986 source: www.cpcb.nic.in/GeneralStandards.pdf. Besides these standards, refer EPA standards for specific purpose

Note: 1. The results in the Test Report relate only to the items tested. 2. The report shall not be reproduced-except in full, without the written permission of laboratory. 3. The test report pertains to the sample as received in Lab.

Remark: NA

Analysed by-
[Sandeep Giri(JRF)]

Authorized by

Rajesh Singh (SA) Digitally signed by Rajesh Singh Date: 2025.02.17 16:33:09 +05:30

SURESH CHANDRA SHUKLA Digitally signed by SURESH CHANDRA SHUKLA Date: 2025.02.17 16:33:09 +05:30

Regional Officer

UPPCB/CL/7.8.2	Issue No.: 01	Issue Date: 17.02.2025	Page No.: Page 1 of 2
Amendment No.: 00	Amendment Date.: 17.02.2025	Approved by: TM	Issued by: QM



REGIONAL LABORATORY PRAYAGRAJ
UTTAR PRADESH POLLUTION CONTROL BOARD
 Sector-10, Yojna No.-3 Avas Vikas Parishad Colony, Jhusi, Prayagraj



TEST REPORT: WASTE WATER LABORATORY

Ref No: 30476664/Allahabad/2025

Date: 17/02/2025

- 1- Name of Industry: PRAYAGRAJ POWER GENERATION COMPANY LIMITED, Prayagraj Power Generation Company Limited PO- Lohgara, Tehsil- Bara, ,PRAYAGRAJ,212107
- 2- Address of Industry: Prayagraj Power Generation Company Limited PO- Lohgara, Tehsil- Bara, ,PRAYAGRAJ,212107
- 3- District: Prayagraj
- 4- Description about sampling point: Outlet of STP
- 5- Type of Sample (Grab/Composite/Integrated): Grab
- 6- Sample Collected By: Sri Kaushal Kumar AEE & -- --
- 7- Colour and Odour: Colorless Odourless
- 8- Quantity and Packing: 2 liter jerican, MPN Bottle
- 9- Date of Sample Collection: 13/02/2025
- 10- Analysis Indented by: RO Allahabad
- 11- Date of sample receipt in Lab: 13/02/2025
- 12- Period of Analysis: 4 Days
- 13- ULR Number: --
- 14- Sampling Plan/Ref. No.: Quarterly
- 15- Sampling Method Ref.: APHA 24th Edition 2023- 1060 A, B, C, Page No.- 42- 52, Collection & Preservation of Samples

S. N.	Parameter/Method Name	Unit	Results	Standard	Detection Range
1	pH, APHA 24th Ed. 4500B: 2023	-	7.32	6.5-9.0	02-12
2	Suspended Solids , APHA 24th Ed. 2540 D Total Suspended Solids dried at 103-105 °C 2023	mg/l	84	<100 mg/L	10-20000 mg/l
3	BOD, APHA 24th Ed. 3 day 27 °C IS 3025 (Part 44): 1993 Bio 2023	mg/l	24.8	30 mg/L	1.0 -50000 mg/l
4	COD, APHA 24th Ed. 5220 B Open Reflux Method 2023	mg/l	102	--	5.0 -100000 mg/l

Reference- (1) General Standards for discharge of environmental pollutants are as part-A Effluent (Schedule-VI). The Environment (Protection) Rules, 1986 source: www.cpcb.nic.in/GeneralStandards.pdf. Besides these standards, refer EPA standards for specific purpose

Note: 1 The results in the Test Report relate only to the items tested. 2. The report shall not be reproduced-except in full, without the written permission of laboratory. 3. The test report pertains to the sample as received in Lab.

Remark: NA

Analysed by-
 [Dr Anup Kumar Gupta (JRF)]

Authorized by

Rajesh Singh (SA) Digitally signed by Rajesh Singh Date: 2025.02.17 18:34:29 +05:30'

SURESH CHANDRA SHUKLA Digitally signed by SURESH CHANDRA SHUKLA Date: 2025.02.17 18:34:30 +05:30'

Regional Officer

UPPCB/CL/7.8.2	Issue No.: 01	Issue Date: 17.02.2025	Page No.: Page 1 of 2
Amendment No.:00	Amendment Date.:17.02.2025	Approved by: TM	Issued by: QM

Prayagraj Power Generation Company Ltd
CAAQMS-01(Near Horticulture)

PPGCL

PPGCL PMID	AQ1_PPQCL PM2.5	AQ1_PPQCL SO2	AQ1_PPQCL NO	AQ1_PPQCL NO2	AQ1_PPQCL NOX	AQ1_PPQCL CO	AQ1_PPQCL PM	AQ1_PPQCL RH	AQ1_PPQCL WB	AQ1_PPQCL TEMP	AQ1_PPQCL WIND	AQ1_PPQCL WV	AQ1_PPQCL WS
µg/m3	µg/m3	µg/m3	µg/m3	µg/m3	µg/m3	mg/m3	mm	%	mm	degC	km/h	km/h	m/s
01-02-2025 01:00	138.12	72.78	21.08	27.68	0.93	27.45	1.37	0.00	75.78	17.42	18.18	240.40	0.40
01-02-2025 02:00	128.68	87.77	19.83	26.24	0.91	26.04	1.35	0.00	75.48	18.33	17.88	237.21	0.47
01-02-2025 03:00	115.70	85.87	18.98	26.34	1.01	26.04	1.23	0.00	78.74	16.03	18.50	214.70	0.45
01-02-2025 04:00	112.85	84.44	18.48	30.33	1.18	29.85	1.40	0.00	83.06	16.76	15.91	208.81	0.42
01-02-2025 05:00	109.85	85.72	21.05	31.35	1.27	30.78	1.84	0.00	85.27	12.49	15.40	230.84	0.38
01-02-2025 06:00	133.21	88.91	20.94	30.48	1.21	29.97	1.57	0.00	86.50	10.35	15.44	252.94	0.36
01-02-2025 07:00	137.70	72.61	22.10	30.05	0.97	29.78	1.50	0.00	85.06	8.11	18.02	148.23	0.35
01-02-2025 08:00	133.95	88.95	22.85	32.65	1.07	32.28	1.48	0.00	83.95	22.23	19.10	18.18	0.38
01-02-2025 09:00	119.80	80.24	21.38	30.60	0.90	30.40	1.38	0.00	78.81	243.28	18.44	317.75	0.31
01-02-2025 10:00	98.32	80.19	20.02	32.33	0.91	32.12	1.33	0.00	71.76	254.98	20.48	232.91	1.07
01-02-2025 11:00	88.07	80.09	18.55	31.06	0.83	30.92	1.14	0.00	57.41	256.94	23.04	239.26	1.25
01-02-2025 12:00	79.80	68.18	19.89	23.83	1.06	23.48	1.54	0.00	47.01	257.38	25.24	224.83	1.82
01-02-2025 13:00	75.07	77.34	21.84	28.41	0.86	26.25	0.90	0.00	47.02	254.94	26.15	210.32	1.83
01-02-2025 14:00	84.99	72.51	20.75	27.41	0.81	27.30	0.86	0.00	45.23	252.25	26.91	217.89	1.38
01-02-2025 15:00	56.20	51.09	19.80	26.23	0.86	26.07	1.15	0.00	44.25	249.49	27.11	208.44	1.46
01-02-2025 16:00	53.10	25.55	18.91	25.28	0.83	25.13	1.05	0.00	41.77	242.74	27.11	212.30	1.41
01-02-2025 17:00	50.38	12.77	21.30	23.81	0.80	23.81	0.84	0.00	45.71	228.48	26.78	222.05	1.05
01-02-2025 18:00	56.39	22.70	18.97	22.51	0.80	22.41	0.92	0.00	52.62	186.88	25.07	218.40	0.54
01-02-2025 19:00	72.47	34.80	18.87	28.75	0.80	28.65	0.98	0.00	58.53	23.86	23.05	214.14	2.49
01-02-2025 20:00	74.00	39.72	14.74	27.23	0.83	27.11	0.98	0.00	60.71	18.15	22.25	200.38	0.52
01-02-2025 21:00	86.44	43.74	20.50	25.78	0.86	25.61	1.02	0.00	91.72	17.41	21.40	255.28	0.40
01-02-2025 22:00	89.21	43.15	18.38	25.37	0.84	25.23	1.02	0.00	84.97	17.40	20.15	269.35	0.29
01-02-2025 23:00	78.11	42.78	18.06	33.21	1.05	32.87	1.23	0.00	68.07	17.40	19.09	222.01	0.41
02-02-2025 00:00	84.84	47.33	14.79	34.37	1.34	33.74	1.45	0.00	71.85	17.40	18.08	222.01	0.41
02-02-2025 01:00	98.15	53.68	21.91	38.18	1.91	36.98	1.22	0.00	74.20	17.40	17.65	166.33	0.34
02-02-2025 02:00	106.52	51.80	20.53	45.79	3.37	43.12	1.17	0.00	76.33	17.40	17.33	146.18	0.42
02-02-2025 03:00	85.50	48.56	18.26	39.76	1.90	38.57	1.20	0.00	76.25	17.40	17.47	178.96	0.40
02-02-2025 04:00	84.87	48.14	18.83	32.00	1.18	31.52	1.20	0.00	77.19	18.38	17.12	192.12	0.40
02-02-2025 05:00	81.56	45.21	20.82	33.11	1.89	32.23	1.11	0.00	76.02	17.40	18.12	18.58	0.39
02-02-2025 06:00	81.06	41.77	20.41	36.50	2.27	34.94	1.14	0.00	81.44	17.72	15.51	123.04	0.37
02-02-2025 07:00	95.71	48.71	20.81	37.28	2.59	35.59	1.47	0.00	82.04	90.73	15.68	180.59	0.48
02-02-2025 08:00	131.82	36.05	21.26	35.29	2.84	33.15	1.54	0.00	83.79	228.98	15.53	137.64	0.42
02-02-2025 09:00	133.13	65.48	21.31	38.28	2.74	35.24	1.59	0.00	82.00	244.05	18.14	15.91	0.37
02-02-2025 10:00	148.72	78.38	20.28	35.69	1.21	35.18	1.90	0.00	71.28	263.01	21.70	236.60	0.42
02-02-2025 11:00	121.54	80.48	19.29	28.73	0.87	28.56	1.30	0.00	57.37	258.54	24.20	243.27	0.58
02-02-2025 12:00	101.87	86.08	19.70	25.13	0.81	25.02	1.12	0.00	49.27	254.52	25.84	232.02	1.39
02-02-2025 13:00	84.93	86.54	21.67	29.36	0.80	29.28	0.97	0.00	47.92	254.99	26.46	241.65	1.21
02-02-2025 14:00	89.18	71.40	20.83	32.05	0.80	31.95	0.92	0.00	47.36	251.61	27.34	230.90	0.79
02-02-2025 15:00	81.15	81.18	19.57	28.33	0.80	28.23	0.96	0.00	46.39	246.73	27.93	228.02	0.58
02-02-2025 16:00	63.62	54.85	18.70	18.94	0.80	18.84	0.98	0.00	45.02	240.01	28.07	157.54	0.52
02-02-2025 17:00	56.68	46.28	21.35	18.83	0.90	18.84	0.79	0.00	45.18	227.51	27.28	161.35	0.82
02-02-2025 18:00	56.28	39.67	19.67	20.12	0.80	20.02	0.84	0.00	50.46	188.24	25.70	157.85	0.41
02-02-2025 19:00	61.20	42.19	18.06	28.96	0.80	28.86	0.80	0.00	58.49	25.18	22.80	179.60	0.41
02-02-2025 20:00	78.05	42.85	18.19	34.83	0.80	34.73	1.02	0.00	63.90	17.95	22.05	128.36	0.41
02-02-2025 21:00	85.88	44.05	20.43	35.57	0.86	35.41	1.06	0.00	67.11	17.40	20.50	115.54	0.36
02-02-2025 22:00	81.91	43.35	17.84	38.31	0.86	38.13	1.09	0.00	70.97	17.40	19.56	82.62	0.41
02-02-2025 23:00	76.37	30.37	15.53	34.86	0.96	34.71	1.09	0.00	74.03	17.40	18.72	82.71	0.41
03-02-2025 00:00	72.72	38.89	13.88	36.98	1.05	36.83	1.12	0.00	77.27	17.40	18.18	81.54	0.42
03-02-2025 01:00	89.23	40.18	21.31	35.55	1.25	34.97	1.48	0.00	80.74	17.40	17.77	32.05	0.38
03-02-2025 02:00	64.23	35.18	19.54	32.42	1.15	31.96	1.05	0.00	82.52	17.18	18.76	340.07	0.44
03-02-2025 03:00	60.38	33.58	18.45	33.03	1.20	32.93	0.96	0.00	84.63	17.70	18.76	340.07	0.44
03-02-2025 04:00	52.09	34.03	17.98	31.06	1.19	30.99	0.98	0.00	85.83	18.52	18.05	328.00	0.49
03-02-2025 05:00	50.98	29.98	20.98	31.45	1.22	30.94	0.78	0.00	86.72	14.87	15.64	78.14	0.48
03-02-2025 06:00	36.55	26.16	19.99	29.88	1.05	29.84	0.98	0.00	87.57	17.20	15.28	2.35	0.48
03-02-2025 07:00	38.99	24.57	29.13	30.24	1.21	29.72	0.97	0.00	88.18	77.40	14.58	344.91	0.48
03-02-2025 08:00	39.55	22.73	21.81	30.43	1.18	29.97	1.00	0.00	90.58	231.18	14.81	347.85	0.38
03-02-2025 09:00	41.40	28.38	22.48	31.74	1.06	31.37	1.00	0.00	83.48	247.88	16.60	21.14	0.52
03-02-2025 10:00	44.81	42.17	21.82	29.91	0.96	29.85	1.11	0.00	81.41	255.45	19.52	32.26	0.68
03-02-2025 11:00	53.56	56.00	20.89	27.13	0.80	27.03	1.05	0.00	68.53	258.73	21.87	357.20	0.81
03-02-2025 12:00	51.23	63.08	20.48	22.13	0.80	22.03	1.01	0.00	59.67	258.37	23.90	29.33	0.50
03-02-2025 13:00	40.06	59.09	21.28	18.28	0.80	18.18	1.05	0.00	48.04	255.60	25.64	107.48	0.29
03-02-2025 14:00	40.42	48.61	20.09	18.83	0.80	18.73	1.11	0.00	41.50	254.49	28.68	152.38	0.98
03-02-2025 15:00	35.67	40.89	18.88	17.37	0.80	17.27	0.78	0.00	37.58	251.57	27.11	148.58	0.70
03-02-2025 16:00	29.71	34.83	17.89	16.33	0.80	16.23	0.88	0.00	40.08	245.71	28.77	149.39	0.67
03-02-2025 17:00	32.96	30.71	20.08	19.07	0.80	18.92	0.80	0.00	44.45	232.18	25.99	141.41	0.82
03-02-2025 18:00	34.32	30.15	17.52	22.72	0.90	22.62	0.89	0.00	47.92	193.41	24.56	110.83	0.45
03-02-2025 19:00	43.78	30.87	15.28	37.00	0.81	36.78	0.91	0.00	55.35	27.58	21.43	88.36	0.52
03-02-2025 20:00	47.48	27.47	13.15	40.88	0.98	40.50	0.84	0.00	62.56	18.77	19.84	88.36	0.52
03-02-2025 21:00	54.55	28.31	30.71	39.88	1.05	39.81	1.10	0.00	68.04	18.72	19.02	88.36	0.52
03-02-2025 22:00	79.77	33.65	18.46	37.00	1.27	36.52	1.20	0.00	69.88	18.44	18.96	38.13	0.48
03-02-2025 23:00	78.60	34.40	18.29	39.99	3.41	36.88	1.22	0.00	72.63	18.12	18.18	24.20	0.50
04-02-2025 00:00	78.20	32.65	15.18	45.23	3.42	42.81	1.33	0.00	74.04	18.08	17.73	80.11	0.50
04-02-2025 01:00	81.79	31.85	21.50	38.95	1.85	34.70	1.08	0.00	74.89	18.13	17.02	87.23	0.52
04-02-2025 02:00	42.93	28.69	20.56	38.38	1.41	37.65	1.04	0.00	76.98	18.28	16.97	76.07	0.43
04-02-2025 03:00	51.04	26.20	20.47	38.19	1.84	37.29	1.00	0.00	79.54	18.41	15.52	329.98	0.53
04-02-2025 04:00	43.40	23.29	20.35	35.85	1.85	34.70	1.08	0.00	81.32	18.42	15.79	38.58	0.53
04-02-2025 05:00	58.55	22.38	20.87	35.72	2.41	34.01	1.02	0.00	83.68	17.40	15.51	348.18	0.53
04-02-2025 06:00													

04-02-2025 12:00	82.13	81.01	18.72	24.54	0.87	24.37	0.98	0.90	50.25	255.93	25.28	191.67	0.93
04-02-2025 13:00	41.09	88.12	21.39	25.78	0.87	25.81	0.94	0.80	47.37	254.11	28.07	195.78	0.55
04-02-2025 14:00	20.51	56.54	20.29	19.95	0.85	19.82	0.98	0.80	45.53	252.28	27.29	143.30	0.40
04-02-2025 15:00	10.32	46.84	19.18	15.28	0.82	19.14	0.78	0.80	43.18	248.18	27.80	142.51	0.54
04-02-2025 16:00	5.18	40.72	18.28	20.00	0.81	19.89	0.66	0.80	44.22	242.11	27.47	154.18	0.89
04-02-2025 17:00	2.38	34.40	21.18	20.29	0.80	20.18	0.83	0.80	45.97	229.97	26.73	148.05	0.51
04-02-2025 18:00	30.81	32.63	18.88	34.56	0.80	24.48	0.90	0.80	51.52	187.12	25.37	59.07	0.29
04-02-2025 19:00	84.88	33.48	18.98	48.89	1.17	48.42	0.98	0.80	59.87	28.38	22.68	25.95	0.40
04-02-2025 20:00	110.83	40.31	15.22	64.81	2.29	83.32	1.60	0.80	65.08	17.49	21.57	97.14	0.36
04-02-2025 21:00	132.56	42.82	20.49	53.58	1.78	52.48	1.51	0.80	69.33	17.49	20.29	103.40	0.41
04-02-2025 22:00	124.20	38.42	18.20	51.19	1.87	50.27	1.44	0.80	72.59	17.40	19.50	103.36	0.41
04-02-2025 23:00	115.90	36.81	15.82	47.74	1.52	48.92	1.32	0.80	74.78	17.40	19.09	103.36	0.40
05-02-2025 00:00	114.38	34.51	14.37	37.87	1.21	37.87	1.23	0.80	78.64	17.81	18.84	82.21	0.24
05-02-2025 01:00	113.76	34.01	21.23	36.45	1.38	35.78	1.28	0.80	78.91	17.94	18.47	48.78	0.40
05-02-2025 02:00	102.25	33.79	18.81	37.49	1.04	38.83	1.28	0.80	80.99	17.99	17.82	27.72	0.48
05-02-2025 03:00	85.50	31.68	19.05	38.78	1.28	37.70	1.14	0.80	82.30	18.20	17.48	88.94	0.39
05-02-2025 04:00	96.07	28.88	18.52	47.78	3.02	44.84	1.14	0.80	83.38	18.10	17.30	45.03	0.30
05-02-2025 05:00	87.65	25.50	21.20	45.82	2.99	43.34	1.05	0.80	83.82	18.97	17.48	9.20	0.42
05-02-2025 06:00	99.81	22.08	20.80	38.70	1.40	36.87	0.97	0.80	84.23	18.04	17.17	218.40	0.48
05-02-2025 07:00	107.80	22.11	21.20	38.11	1.70	35.11	0.99	0.80	85.15	18.18	16.83	119.80	0.21
05-02-2025 08:00	99.88	23.31	21.88	38.02	1.22	35.50	0.99	0.80	84.83	225.80	17.63	89.83	0.41
05-02-2025 09:00	87.82	28.88	21.48	32.32	1.21	31.81	1.02	0.80	81.87	240.87	18.40	81.17	0.33
05-02-2025 10:00	83.88	33.08	20.38	23.68	1.13	25.25	1.09	0.80	70.28	251.19	21.87	103.78	0.57
05-02-2025 11:00	84.82	36.53	19.43	21.74	0.89	21.55	1.01	0.80	60.09	255.78	23.46	117.60	0.81
05-02-2025 12:00	73.38	42.02	18.83	21.02	0.87	20.88	1.14	0.80	58.23	258.89	24.64	119.78	0.78
05-02-2025 13:00	72.87	48.14	21.28	18.22	0.82	18.10	0.88	0.80	52.44	257.44	23.69	111.99	0.97
05-02-2025 14:00	74.81	38.15	20.80	14.96	0.80	14.80	0.83	0.80	50.83	255.45	26.30	88.88	1.06
05-02-2025 15:00	88.14	18.80	20.15	17.22	0.80	17.12	0.78	0.80	60.84	251.11	26.72	88.95	0.94
05-02-2025 16:00	85.01	20.08	19.09	17.75	0.80	17.65	0.74	0.80	54.86	244.79	26.19	94.34	1.30
05-02-2025 17:00	71.01	27.38	21.09	20.58	0.80	20.28	0.84	0.80	57.44	220.77	25.32	88.68	0.80
05-02-2025 18:00	80.72	28.73	18.30	20.99	0.83	20.87	0.83	0.80	60.83	193.97	24.44	83.13	1.04
05-02-2025 19:00	78.00	28.70	16.81	22.86	0.80	22.70	0.86	0.80	67.50	29.08	22.88	81.99	0.48
05-02-2025 20:00	81.47	28.07	15.35	27.58	0.87	27.41	0.87	0.80	74.03	17.81	21.29	58.27	0.44
05-02-2025 21:00	84.11	24.14	21.27	25.92	0.81	25.81	1.11	0.80	78.83	17.84	21.02	72.93	0.54
05-02-2025 22:00	78.95	22.88	18.71	24.80	0.82	24.78	1.26	0.80	78.49	17.71	20.09	79.00	0.88
05-02-2025 23:00	79.81	25.33	16.35	22.80	0.81	22.70	1.00	0.80	72.18	17.53	19.58	86.38	1.43
06-02-2025 00:00	80.32	27.14	14.48	21.33	0.80	21.23	1.08	0.80	72.10	17.57	18.80	88.89	1.08
06-02-2025 01:00	80.87	26.73	20.95	23.19	0.85	22.84	0.97	0.80	70.78	17.53	17.58	89.67	1.21
06-02-2025 02:00	78.70	25.88	19.18	22.23	0.83	22.90	1.03	0.80	65.29	17.87	15.17	23.55	0.38
06-02-2025 03:00	58.91	23.89	17.99	29.00	0.99	28.71	0.81	0.80	67.71	17.87	15.17	50.70	0.44
06-02-2025 04:00	54.26	19.81	17.74	31.34	1.03	31.01	0.85	0.80	69.78	18.01	14.33	80.68	0.57
06-02-2025 05:00	53.78	17.96	21.73	31.09	1.02	30.77	0.79	0.80	68.75	17.84	13.75	88.13	0.47
06-02-2025 06:00	51.88	16.84	21.82	30.89	1.00	30.38	0.82	0.80	68.85	18.11	13.51	88.13	0.47
06-02-2025 07:00	49.94	16.77	24.25	31.39	1.03	31.06	0.83	0.80	71.22	102.95	12.81	12.82	0.41
06-02-2025 08:00	55.58	19.62	26.55	31.82	1.02	31.50	0.81	0.80	72.81	233.41	12.90	23.88	0.45
06-02-2025 09:00	54.27	21.51	21.47	31.92	1.04	31.58	0.79	0.80	67.97	247.84	15.38	26.02	0.77
06-02-2025 10:00	82.58	28.45	21.22	29.03	1.00	28.74	0.74	0.80	57.97	282.98	18.44	54.87	0.98
06-02-2025 11:00	58.04	40.53	19.87	22.31	0.91	22.10	0.71	0.80	41.85	265.03	21.00	72.04	1.21
06-02-2025 12:00	63.86	52.41	18.08	19.93	0.80	19.74	0.88	0.80	35.89	268.22	22.23	80.93	1.29
06-02-2025 13:00	74.70	87.11	20.37	20.17	0.80	19.88	0.78	0.80	34.51	295.38	23.28	82.78	1.26
06-02-2025 14:00	78.55	78.21	17.10	18.98	0.89	18.37	0.85	0.80	33.82	283.10	23.87	87.84	1.51
06-02-2025 15:00	68.78	72.23	14.12	17.82	0.87	17.45	0.71	0.80	33.56	259.00	24.38	84.84	1.48
06-02-2025 16:00	87.57	82.27	12.86	19.08	0.87	18.89	0.70	0.80	34.39	252.08	24.39	79.04	1.25
06-02-2025 17:00	81.80	49.80	18.91	20.86	0.98	20.77	0.66	0.80	35.58	239.84	23.55	70.33	0.80
06-02-2025 18:00	52.02	48.83	17.10	22.47	0.88	22.30	0.68	0.80	39.01	203.89	22.40	70.18	0.72
06-02-2025 19:00	58.58	48.02	14.55	33.52	0.93	33.29	0.74	0.80	48.75	33.88	19.48	36.91	0.49
06-02-2025 20:00	81.51	38.35	11.85	37.50	1.04	37.18	0.69	0.80	53.14	17.79	17.48	11.73	0.39
06-02-2025 21:00	88.12	34.31	20.58	35.84	1.09	36.25	0.82	0.80	57.08	17.81	18.45	344.98	0.69
06-02-2025 22:00	82.01	30.85	18.26	34.60	1.09	34.21	0.77	0.80	61.34	17.58	15.87	11.80	0.37
06-02-2025 23:00	59.30	25.86	16.70	30.41	1.17	38.84	0.84	0.80	64.35	17.40	14.78	8.80	0.40
07-02-2025 00:00	64.37	21.98	18.78	40.17	1.14	39.73	0.99	0.80	65.72	17.73	14.41	27.19	0.38
07-02-2025 01:00	59.71	20.37	22.09	32.91	1.02	32.59	0.78	0.80	64.87	17.77	14.83	55.47	0.48
07-02-2025 02:00	54.79	21.98	22.65	31.82	0.96	31.54	0.74	0.80	68.35	17.59	14.04	18.81	0.38
07-02-2025 03:00	47.48	20.19	24.52	29.88	1.02	29.54	0.71	0.80	70.83	18.08	13.06	12.42	0.42
07-02-2025 04:00	36.45	18.16	28.82	29.34	0.99	29.05	0.71	0.80	72.70	18.09	12.94	31.33	0.38
07-02-2025 05:00	38.40	14.78	21.04	30.98	0.94	30.71	0.74	0.80	70.72	17.81	12.85	78.15	0.47
07-02-2025 06:00	40.34	15.35	19.15	30.18	0.91	29.84	0.78	0.80	69.03	17.83	12.89	70.93	0.58
07-02-2025 07:00	49.02	17.17	17.10	29.80	0.95	29.38	0.80	0.80	70.48	187.09	12.12	80.51	0.37
07-02-2025 08:00	48.02	18.30	14.12	32.10	1.00	31.80	1.02	0.80	69.80	233.31	12.78	44.94	0.48
07-02-2025 09:00	52.34	23.70	20.22	30.88	0.99	30.57	0.88	0.80	64.50	251.20	15.09	35.36	0.72
07-02-2025 10:00	87.46	35.88	18.30	26.20	1.02	26.88	0.97	0.80	53.11	283.44	18.29	77.27	1.13
07-02-2025 11:00	69.81	44.38	17.74	21.72	0.90	21.53	0.78	0.80	42.09	268.14	20.51	75.82	1.20
07-02-2025 12:00	72.76	57.54	18.82	18.27	0.80	18.08	0.78	0.80	38.43	267.87	21.46	74.98	1.80
07-02-2025 13:00	43.18	49.51	22.78	18.41	0.87	18.24	0.70	0.80	34.92	288.99	22.41	89.33	1.52
07-02-2025 14:00	29.07	40.08	22.97	17.77	0.86	17.81	0.88	0.80	35.39	264.30	23.04	71.99	1.44
07-02-2025 15:00	29.48	44.18	20.23	18.09	0.90	17.85	0.77	0.80	30.07	260.08	23.45	68.74	1.42
07-02-2025 16:00	41.88	42.88	17.68	18.16	0.87	17.89	0.78	0.80	34.88	253.13	23.75	87.64	1.23
07-02-2025 17:00	51.97	38.49	18.83	18.78	0.88	18.60	0.71	0.80	38.82	241.09	23.22	70.50	1.22
07-02-2025 18:00	53.60	34.80	16.32	20.82	0.88	20.63	0.79	0.80	38.45	205.70	21.89	70.10	0.91
07-02-2025 19:00	49.37	29.71	13.44	32.34	0.83	32.11	0.70	0.80	45.58	34.25	18.82	38.54	0.40
07-02-2025 20:00	53.37	24.91	11.96	36.84	1.05	36.50	0.75	0.80	51.29	17.41	18.84	87.35	0.41
07-02-2025 21:00													

08-02-2025 07:00	29.64	11.30	13.95	24.79	0.66	24.63	0.75	0.00	71.94	113.48	11.76	20.28	0.34
08-02-2025 08:00	35.60	9.97	10.73	25.12	0.66	24.96	0.89	0.00	72.13	236.62	12.47	20.84	0.36
08-02-2025 09:00	40.45	14.45	20.40	28.42	0.85	26.28	0.94	0.00	68.85	254.35	15.22	32.78	0.58
08-02-2025 10:00	41.60	26.80	19.09	25.65	0.87	25.48	0.81	0.00	55.06	260.73	18.75	70.88	0.79
08-02-2025 11:00	58.23	32.98	10.04	21.08	0.81	20.97	0.70	0.00	44.14	264.34	21.04	92.78	1.23
08-02-2025 12:00	57.80	36.42	19.88	17.43	0.60	17.33	0.83	0.00	39.53	264.97	22.42	91.28	1.05
08-02-2025 13:00	52.42	40.07	23.30	17.29	0.80	17.15	0.79	0.00	35.72	264.20	23.41	68.81	1.31
08-02-2025 14:00	50.84	40.33	24.62	17.38	0.60	17.28	0.77	0.00	33.18	261.59	24.21	75.80	1.22
08-02-2025 15:00	39.51	36.73	21.08	18.55	0.80	18.45	0.68	0.00	29.81	257.07	25.06	78.47	1.02
08-02-2025 16:00	34.91	35.24	18.41	18.30	0.80	18.20	0.71	0.00	30.93	249.87	25.43	81.67	0.94
08-02-2025 17:00	39.45	34.37	19.78	20.42	0.80	20.32	0.67	0.00	32.50	238.03	25.14	87.28	0.83
08-02-2025 18:00	41.14	33.64	17.00	28.32	0.96	28.07	0.77	0.00	38.29	199.74	23.31	91.57	0.70
08-02-2025 19:00	48.13	32.30	13.60	42.84	0.96	42.57	0.81	0.00	45.83	30.69	19.94	93.90	0.52
08-02-2025 20:00	71.91	29.01	10.62	52.28	1.31	51.68	0.82	0.00	52.70	18.77	17.73	92.31	0.52
08-02-2025 21:00	82.37	28.68	20.15	51.31	1.20	50.81	0.92	0.00	57.48	18.77	18.64	84.59	0.50
08-02-2025 22:00	68.26	26.28	18.04	45.67	1.12	45.25	0.89	0.00	59.40	17.41	16.45	353.14	0.39
08-02-2025 23:00	68.78	24.70	17.17	44.92	1.25	44.37	0.98	0.00	63.71	17.54	15.68	344.63	0.44
09-02-2025 00:00	71.64	25.48	17.34	38.75	1.24	38.21	1.03	0.00	65.70	17.82	15.28	336.83	0.50
09-02-2025 01:00	75.28	24.94	21.70	35.14	1.17	34.66	0.94	0.00	67.19	17.88	14.51	347.18	0.48
09-02-2025 02:00	70.89	21.32	21.83	31.82	1.10	31.42	0.97	0.00	69.23	18.13	13.94	337.65	0.50
09-02-2025 03:00	79.45	20.31	23.53	29.11	1.03	28.79	0.83	0.00	68.81	17.79	13.86	1.50	0.37
09-02-2025 04:00	80.73	21.63	25.82	28.50	0.93	28.27	0.77	0.00	67.29	17.78	14.05	5.75	0.38
09-02-2025 05:00	82.67	19.20	21.76	27.71	0.96	27.44	0.81	0.00	68.01	18.00	13.51	11.99	0.46
09-02-2025 06:00	49.69	14.90	20.87	27.48	0.97	27.22	0.66	0.00	69.66	17.79	13.22	8.87	0.46
09-02-2025 07:00	48.94	13.58	19.87	30.68	0.98	30.38	0.76	0.00	68.25	198.18	13.48	355.75	0.48
09-02-2025 08:00	69.76	18.41	17.78	30.32	0.95	30.08	0.84	0.00	66.22	230.53	14.18	6.99	0.39
09-02-2025 09:00	66.53	25.03	21.10	35.92	1.08	35.54	0.92	0.00	62.27	250.63	17.28	55.94	0.61
09-02-2025 10:00	70.30	33.82	20.87	31.96	0.96	31.70	0.88	0.00	54.74	258.15	20.87	68.47	0.60
09-02-2025 11:00	63.41	38.55	22.29	24.54	0.84	24.40	0.74	0.00	44.48	259.54	23.20	127.49	0.53
09-02-2025 12:00	58.80	45.12	23.41	21.33	0.81	21.22	0.72	0.00	40.85	258.58	24.85	118.37	0.54
09-02-2025 13:00	56.18	47.29	20.52	19.85	0.82	19.73	0.74	0.00	37.48	259.23	25.94	78.59	0.73
09-02-2025 14:00	52.05	46.63	17.02	18.51	0.81	18.40	0.88	0.00	36.12	256.34	27.05	79.63	0.77
09-02-2025 15:00	47.79	42.01	13.89	17.95	0.82	17.83	0.79	0.00	33.08	252.94	27.89	75.41	0.95
09-02-2025 16:00	41.94	36.65	11.81	18.58	0.82	18.48	0.85	0.00	29.87	246.64	27.92	94.96	0.82
09-02-2025 17:00	32.66	34.55	19.98	17.82	0.82	17.70	0.75	0.00	33.13	235.50	26.92	95.10	1.02
09-02-2025 18:00	37.18	37.59	17.64	20.95	0.82	20.84	0.75	0.00	30.23	201.77	25.34	95.81	0.59
09-02-2025 19:00	53.31	37.15	15.00	34.34	0.88	34.18	0.81	0.00	48.30	37.53	21.72	88.48	0.40
09-02-2025 20:00	75.25	32.69	11.45	35.52	0.95	35.28	0.79	0.00	57.20	17.42	18.46	35.80	0.34
09-02-2025 21:00	73.50	28.53	19.99	30.38	0.97	30.11	0.84	0.00	60.33	17.49	18.47	30.15	0.39
09-02-2025 22:00	74.58	25.34	17.59	29.32	1.02	29.00	0.93	0.00	63.26	17.40	17.78	28.28	0.41
09-02-2025 23:00	157.21	25.64	15.47	40.57	1.49	39.77	1.07	0.00	66.70	17.81	18.98	12.45	0.43
10-02-2025 00:00	153.81	26.65	14.69	32.69	1.07	32.32	0.96	0.00	67.74	17.96	18.71	355.05	0.48
10-02-2025 01:00	117.83	26.71	21.20	28.97	1.00	28.37	0.91	0.00	68.83	17.42	18.29	36.36	0.29
10-02-2025 02:00	80.91	22.82	20.63	28.82	1.04	28.49	0.80	0.00	70.23	17.40	15.82	31.71	0.49
10-02-2025 03:00	71.65	17.84	20.74	30.51	1.03	30.19	0.81	0.00	72.11	17.40	15.02	22.51	0.38
10-02-2025 04:00	87.63	17.40	21.67	26.11	1.04	27.77	0.83	0.00	71.94	17.40	15.13	348.04	0.38
10-02-2025 05:00	68.15	17.20	21.35	26.92	1.05	26.57	0.78	0.00	72.60	17.51	14.43	351.61	0.43
10-02-2025 06:00	99.09	14.52	22.57	27.30	1.01	27.00	0.76	0.00	74.27	17.65	14.07	15.02	0.45
10-02-2025 07:00	78.77	14.40	28.18	28.26	1.01	27.95	0.80	0.00	73.89	107.37	14.06	34.71	0.34
10-02-2025 08:00	61.33	15.10	28.79	30.22	1.05	29.87	0.76	0.00	73.41	230.86	14.58	42.19	0.37
10-02-2025 09:00	55.38	21.80	19.86	33.32	1.00	33.02	0.77	0.00	64.86	247.71	18.13	358.02	0.53
10-02-2025 10:00	57.81	31.78	17.37	29.16	0.91	28.95	0.82	0.00	56.08	257.07	20.88	33.87	0.29
10-02-2025 11:00	52.85	37.17	15.82	24.78	0.88	24.60	0.80	0.00	48.67	257.76	23.58	151.08	0.44
10-02-2025 12:00	49.99	41.20	14.97	21.84	0.88	21.67	0.91	0.00	43.13	257.01	25.66	151.46	0.45
10-02-2025 13:00	48.81	43.09	21.46	19.85	0.86	19.80	0.72	0.00	39.43	256.00	27.00	56.98	0.47
10-02-2025 14:00	48.05	42.83	19.12	20.90	0.83	20.78	0.76	0.00	41.35	254.02	27.66	285.17	0.51
10-02-2025 15:00	48.54	39.27	17.04	21.98	0.84	21.85	0.81	0.00	40.86	249.82	27.84	208.02	0.70
10-02-2025 16:00	40.67	34.97	15.86	17.22	0.83	17.09	0.88	0.00	35.06	243.81	28.17	164.35	0.67
10-02-2025 17:00	34.41	32.60	20.68	18.10	0.88	17.92	0.84	0.00	35.84	232.51	27.67	120.31	0.61
10-02-2025 18:00	43.30	32.70	18.67	23.22	0.91	23.02	0.83	0.00	41.17	197.75	26.14	172.42	0.35
10-02-2025 19:00	53.56	31.52	16.28	43.28	0.99	42.99	0.82	0.00	48.33	34.85	22.80	162.07	0.41
10-02-2025 20:00	76.28	30.03	13.19	71.11	6.16	65.65	0.96	0.00	65.85	17.40	21.23	127.71	0.39
10-02-2025 21:00	102.17	28.39	20.58	64.99	4.13	61.55	1.09	0.00	60.82	17.40	18.83	115.75	0.42
10-02-2025 22:00	103.27	24.78	17.73	55.42	2.47	53.65	1.06	0.00	64.26	17.40	18.59	115.74	0.42
10-02-2025 23:00	91.87	25.08	18.51	50.33	1.78	48.25	1.03	0.00	68.81	17.40	17.64	74.60	0.38
11-02-2025 00:00	134.35	22.49	14.24	45.94	2.20	44.64	1.12	0.00	71.49	17.40	17.48	35.14	0.38
11-02-2025 01:00	127.29	21.18	21.68	38.48	1.73	37.45	1.09	0.00	74.59	17.41	18.54	37.62	0.31
11-02-2025 02:00	118.33	22.63	20.48	30.11	1.86	29.75	1.02	0.00	75.85	17.40	18.41	23.91	0.41
11-02-2025 03:00	89.19	20.91	20.04	32.12	1.67	31.18	0.82	0.00	75.78	17.40	18.38	47.36	0.33
11-02-2025 04:00	76.71	19.16	20.51	48.43	1.79	47.34	0.84	0.00	74.97	17.40	18.40	8.78	0.36
11-02-2025 05:00	64.77	17.24	20.82	43.35	1.14	42.91	0.82	0.00	75.72	17.40	18.10	343.18	0.37
11-02-2025 06:00	52.53	11.28	20.74	31.84	0.99	31.54	0.80	0.00	77.84	17.40	15.26	332.58	0.38
11-02-2025 07:00	56.43	10.17	21.82	29.51	1.05	29.16	0.92	0.00	80.77	106.65	14.29	338.28	0.44
11-02-2025 08:00	53.18	11.53	23.40	29.22	1.11	28.82	0.84	0.00	82.27	231.39	15.09	1.70	0.38
11-02-2025 09:00	55.78	20.63	21.12	27.79	0.87	27.61	0.76	0.00	75.00	248.61	18.67	37.29	0.55
11-02-2025 10:00	50.43	32.54	20.24	25.34	0.83	25.21	0.77	0.00	63.11	255.88	22.04	7.65	0.80
11-02-2025 11:00	48.97	34.43	19.50	22.04	0.80	21.84	0.88	0.00	53.48	256.83	24.67	18.34	0.67
11-02-2025 12:00	51.20	36.65	19.65	19.51	0.80	19.41	0.83	0.00	46.57	256.60	28.91	32.26	0.82
11-02-2025 13:00	49.07	45.52	20.87	17.89	0.80	17.78	0.82	0.00	35.62	254.65	28.11	64.50	0.78
11-02-2025 14:00	40.50	61.09	20.41	14.90	0.62	14.68	0.90	0.00	28.81	252.36	29.42	74.12	0.86
11-02-2025 15:00	39.45	73.93	19.78	15.13	0.60	15.05</							

11-02-2025 02:00	41.14	33.64	17.00	28.32	0.96	28.07	0.77	0.00	38.29	109.74	23.31	81.57	0.70
12-02-2025 03:00	48.13	32.30	13.80	42.84	0.96	42.57	0.81	0.00	45.63	30.69	19.94	93.80	0.52
13-02-2025 04:00	71.91	29.01	10.82	52.78	1.31	51.68	0.82	0.00	52.70	18.77	17.73	92.31	0.52
12-02-2025 05:00	82.37	28.68	20.15	51.31	1.20	50.81	0.92	0.00	57.48	18.77	18.64	84.59	0.50
12-02-2025 06:00	88.38	28.28	18.04	45.67	1.12	45.25	0.89	0.00	59.40	17.41	18.45	353.14	0.39
12-02-2025 07:00	68.78	24.70	17.17	44.92	1.25	44.37	0.98	0.00	63.71	17.54	15.88	344.63	0.44
12-02-2025 08:00	71.84	25.48	17.34	38.75	1.24	38.21	1.03	0.00	65.70	17.82	15.28	338.83	0.50
12-02-2025 09:00	75.38	24.84	21.70	35.14	1.17	34.68	0.94	0.00	67.19	17.98	14.51	347.18	0.48
12-02-2025 10:00	70.89	21.92	21.93	31.82	1.10	31.47	0.87	0.00	69.23	18.13	13.94	337.65	0.50
12-02-2025 11:00	79.45	20.31	23.53	29.11	1.03	28.79	0.83	0.00	68.81	17.79	13.88	1.50	0.37
12-02-2025 12:00	80.73	21.63	25.82	28.50	0.93	28.27	0.77	0.00	67.29	17.78	14.05	5.75	0.38
12-02-2025 13:00	62.67	19.20	21.78	27.71	0.96	27.44	0.81	0.00	68.01	18.00	13.51	11.99	0.48
12-02-2025 14:00	49.69	14.90	20.87	27.48	0.97	27.22	0.86	0.00	69.68	17.79	13.22	8.87	0.48
12-02-2025 15:00	38.68	13.57	21.20	38.01	0.98	35.73	0.81	0.00	71.70	17.98	15.02	14.05	0.49
12-02-2025 16:00	38.14	17.58	19.77	34.57	1.01	34.36	0.81	0.00	73.08	17.66	14.43	14.69	0.44
12-02-2025 17:00	33.13	11.28	20.18	35.02	1.00	34.72	0.79	0.00	72.20	113.47	14.26	15.08	0.38
12-02-2025 18:00	35.09	10.80	21.51	35.11	1.01	34.80	0.83	0.00	70.55	230.70	15.11	33.81	0.48
12-02-2025 19:00	39.37	17.99	21.48	34.14	1.00	33.85	0.79	0.00	83.74	248.55	17.50	47.15	0.78
12-02-2025 20:00	41.18	27.78	21.84	24.71	0.98	24.43	0.79	0.00	51.98	261.05	20.17	61.19	1.15
12-02-2025 21:00	60.43	35.21	24.35	31.77	0.80	31.67	0.81	0.00	59.81	18.03	23.33	64.43	0.53
12-02-2025 22:00	86.87	27.74	26.39	30.41	0.80	30.31	0.79	0.00	86.01	17.83	22.37	90.52	1.07
12-02-2025 23:00	82.27	21.54	27.01	30.48	0.80	30.38	0.83	0.00	66.68	17.91	20.89	79.47	0.84
13-02-2025 00:00	84.65	18.89	26.42	30.98	0.81	30.25	0.99	0.00	89.80	18.45	18.05	62.41	0.51
13-02-2025 01:00	67.11	18.78	21.18	36.98	0.92	36.35	0.94	0.00	73.81	17.98	18.12	67.47	0.52
13-02-2025 02:00	57.58	18.06	19.70	33.34	0.92	33.13	0.98	0.00	75.44	18.14	17.37	67.80	0.57
13-02-2025 03:00	50.21	15.45	18.05	31.71	0.90	31.51	0.94	0.00	74.40	18.04	16.71	68.85	0.79
13-02-2025 04:00	46.77	15.54	17.32	33.38	1.13	32.93	1.01	0.00	71.32	18.02	16.17	62.73	0.71
13-02-2025 05:00	38.68	13.57	21.20	38.01	0.98	35.73	0.81	0.00	71.70	17.98	15.02	14.05	0.49
13-02-2025 06:00	36.14	12.58	19.77	34.67	1.01	34.38	0.81	0.00	73.08	17.66	14.43	14.69	0.44
13-02-2025 07:00	33.13	11.28	20.18	35.02	1.00	34.72	0.79	0.00	72.20	113.47	14.26	15.08	0.38
13-02-2025 08:00	35.09	10.80	21.51	35.11	1.01	34.80	0.83	0.00	70.55	230.70	15.11	33.81	0.48
13-02-2025 09:00	39.37	17.99	21.48	34.14	1.00	33.85	0.79	0.00	83.74	248.55	17.50	47.15	0.78
13-02-2025 10:00	41.18	27.78	21.84	24.71	0.98	24.43	0.79	0.00	51.98	261.05	20.17	61.19	1.15
13-02-2025 11:00	42.13	32.09	22.60	23.22	0.87	23.05	0.72	0.00	41.25	263.85	22.37	75.32	1.27
13-02-2025 12:00	46.84	42.30	22.58	21.31	0.82	21.19	0.70	0.00	36.85	264.92	23.73	74.02	1.38
13-02-2025 13:00	81.04	62.89	20.10	20.63	0.83	20.50	0.73	0.00	32.97	264.94	24.45	81.70	1.45
13-02-2025 14:00	108.92	68.17	17.96	12.85	0.82	12.73	0.80	0.00	33.48	262.80	24.86	77.30	1.28
13-02-2025 15:00	46.53	30.89	18.47	16.89	0.80	16.79	0.58	0.00	35.83	258.02	25.28	71.08	1.39
13-02-2025 16:00	34.04	30.64	15.19	15.15	0.80	15.00	0.55	0.00	36.38	251.50	25.36	79.88	1.26
13-02-2025 17:00	13.61	37.17	21.74	13.93	0.80	13.83	3.70	0.00	38.30	239.70	24.76	89.04	1.29
13-02-2025 18:00	19.42	29.39	18.57	21.87	0.80	21.57	2.80	0.00	42.52	205.41	23.57	77.44	0.80
13-02-2025 19:00	42.58	25.41	15.90	23.96	0.81	23.85	0.75	0.00	48.57	40.40	21.54	70.75	0.84
13-02-2025 20:00	51.41	21.01	13.78	29.82	0.83	29.89	0.83	0.00	55.41	17.74	18.55	67.12	0.51
13-02-2025 21:00	57.01	17.35	20.15	36.92	0.89	36.73	0.79	0.00	59.80	17.76	18.30	61.40	0.41
13-02-2025 22:00	74.20	14.60	18.02	35.23	0.91	35.02	0.81	0.00	63.07	18.02	17.37	30.13	0.41
13-02-2025 23:00	106.15	12.80	16.10	33.20	0.91	33.00	0.85	0.00	64.98	17.91	16.57	38.14	0.40
14-02-2025 00:00	95.67	9.42	15.24	31.97	0.91	31.75	0.85	0.00	64.41	18.13	16.28	32.41	0.42
14-02-2025 01:00	67.14	7.27	21.52	31.60	0.92	31.38	0.74	0.00	64.67	17.97	15.73	31.13	0.43
14-02-2025 02:00	51.42	8.88	21.32	31.41	0.94	31.17	0.70	0.00	65.97	18.09	15.08	25.74	0.40
14-02-2025 03:00	35.63	7.49	21.28	31.03	0.94	30.79	0.76	0.00	67.99	17.83	14.44	21.87	0.40
14-02-2025 04:00	27.48	7.27	22.83	30.71	0.92	30.48	0.75	0.00	66.71	17.85	14.53	22.67	0.42
14-02-2025 05:00	22.95	8.26	22.57	30.30	0.92	30.08	0.72	0.00	65.27	17.97	14.03	15.68	0.35
14-02-2025 06:00	18.89	7.37	22.52	29.91	0.91	29.71	0.75	0.00	64.57	18.06	13.62	358.51	0.40
14-02-2025 07:00	18.87	6.72	25.50	31.07	0.90	30.87	0.79	0.00	62.82	115.98	13.66	10.45	0.35
14-02-2025 08:00	22.35	7.90	28.98	31.65	0.90	31.45	0.74	0.00	63.24	232.27	14.44	41.38	0.42
14-02-2025 09:00	29.26	12.26	22.52	32.68	0.92	32.68	0.83	0.00	55.72	250.78	17.59	47.34	0.87
14-02-2025 10:00	33.61	20.92	22.31	28.49	0.87	28.32	0.83	0.00	48.29	260.26	20.61	45.87	0.88
14-02-2025 11:00	38.33	24.79	21.58	23.86	0.92	23.74	0.88	0.00	34.78	262.09	23.21	70.64	1.13
14-02-2025 12:00	42.89	28.20	20.83	16.71	0.94	16.48	1.07	0.00	31.20	263.36	24.54	72.80	1.52
14-02-2025 13:00	42.54	21.99	19.35	18.40	0.88	18.21	0.78	0.00	29.17	262.99	25.51	74.88	1.59
14-02-2025 14:00	42.05	34.53	15.21	16.88	0.86	16.73	0.88	0.00	29.68	260.48	26.15	72.99	1.32

[Signature]
 14/2/2025
 (Shard Malviya)



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Prayagraj Power Generation Company Ltd

PPGCL

CAAQMS-02(Near School /ITI)

	AQ2_PPGCL CO_PPGCL mg/m3	AQ2_PPGCL NO2_PPGCL ug/m3	AQ2_PPGCL NO_PPGCL ug/m3	AQ2_PPGCL NOX_PPGCL ug/m3	AQ2_PPGCL PM10_PPGCL ug/m3	AQ2_PPGCL PM2.5 ug/m3	AQ2_PPGCL SO2_PPGCL ug/m3
01-02-2025 01:00	0.01	10.55	15.00	25.65	43.12	79.07	11.07
01-02-2025 02:00	0.01	11.05	15.00	25.64	43.06	63.51	10.96
01-02-2025 03:00	0.02	10.36	15.00	24.65	43.04	40.81	10.95
01-02-2025 04:00	0.01	11.10	15.00	26.31	43.02	23.19	11.13
01-02-2025 05:00	0.01	11.36	15.00	26.34	43.81	19.21	11.11
01-02-2025 06:00	0.04	10.25	15.00	24.91	46.44	16.86	11.43
01-02-2025 07:00	0.05	10.62	15.00	24.27	46.64	11.85	11.52
01-02-2025 08:00	0.03	10.26	15.00	25.28	44.82	10.39	11.84
01-02-2025 09:00	0.04	10.04	15.00	25.60	43.91	56.21	10.88
01-02-2025 10:00	0.00	9.76	15.00	23.60	43.46	65.30	10.60
01-02-2025 11:00	0.00	10.09	15.00	23.64	43.23	43.91	10.24
01-02-2025 12:00	0.00	10.58	15.00	24.64	43.12	35.22	9.76
01-02-2025 13:00	0.00	10.37	15.00	25.32	43.06	26.33	10.99
01-02-2025 14:00	0.00	10.25	15.00	24.81	43.03	96.10	10.63
01-02-2025 15:00	0.00	10.27	15.00	26.19	43.02	68.55	10.35
01-02-2025 16:00	0.00	10.21	15.00	25.97	43.01	73.69	10.15
01-02-2025 17:00	0.00	10.34	15.00	24.77	44.48	60.14	10.97
01-02-2025 18:00	0.00	10.13	15.00	24.01	48.10	72.10	10.76
01-02-2025 19:00	0.00	10.62	15.00	24.31	45.55	77.58	10.55
01-02-2025 20:00	0.00	10.75	15.00	24.67	44.33	45.59	10.42
01-02-2025 21:00	0.00	10.56	15.00	26.15	43.82	31.03	11.04
01-02-2025 22:00	0.00	10.71	15.00	24.66	43.41	63.79	10.79
01-02-2025 23:00	0.00	10.54	15.00	25.50	43.20	44.05	10.65
02-02-2025 00:00	0.00	11.08	15.00	25.45	43.11	38.16	10.54
02-02-2025 01:00	0.00	10.95	15.00	24.92	43.05	32.13	11.03
02-02-2025 02:00	0.00	9.97	15.00	25.99	43.03	19.34	10.90
02-02-2025 03:00	0.00	10.29	15.00	25.84	43.01	21.42	10.83
02-02-2025 04:00	0.00	10.06	15.00	24.99	43.01	18.29	10.90
02-02-2025 05:00	0.00	10.66	15.00	24.61	45.01	19.87	11.01
02-02-2025 06:00	0.01	10.04	15.00	26.65	49.93	26.35	11.01
02-02-2025 07:00	0.00	10.08	15.00	25.06	46.47	28.34	11.14
02-02-2025 08:00	0.01	10.29	15.00	25.77	44.29	25.40	11.90
02-02-2025 09:00	0.00	9.84	15.00	24.99	43.77	28.14	10.96
02-02-2025 10:00	0.00	9.70	15.00	25.44	43.39	18.03	10.64
02-02-2025 11:00	0.00	9.56	15.00	25.96	43.20	18.14	10.41
02-02-2025 12:00	0.00	10.45	15.00	25.39	43.10	44.33	10.20
02-02-2025 13:00	0.00	10.22	15.00	24.02	43.05	36.22	11.01
02-02-2025 14:00	0.00	10.67	15.00	25.80	43.02	30.12	10.78
02-02-2025 15:00	0.00	11.21	15.00	25.99	43.09	29.73	10.54
02-02-2025 16:00	0.00	10.16	15.00	25.15	46.66	19.33	9.81
02-02-2025 17:00	0.00	10.81	15.00	24.49	44.85	70.08	11.14
02-02-2025 18:00	0.00	9.98	15.00	24.20	44.74	46.90	11.25
02-02-2025 19:00	0.00	10.69	15.00	24.43	43.87	70.78	11.11
02-02-2025 20:00	0.00	10.37	15.00	23.67	43.57	53.00	11.07
02-02-2025 21:00	0.00	10.65	15.00	25.52	43.29	35.54	11.01
02-02-2025 22:00	0.00	9.60	15.00	25.08	43.14	44.24	10.87
02-02-2025 23:00	0.00	10.15	15.00	24.75	43.07	36.07	10.71
03-02-2025 00:00	0.00	10.64	15.00	25.74	43.04	23.30	10.62
03-02-2025 01:00	0.01	11.01	15.00	24.57	43.02	22.39	11.02

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03-02-2025 02:00	0.00	11.52	15.00	24.25	43.01	23.61	10.83
03-02-2025 03:00	0.00	10.08	15.00	24.07	43.02	17.45	10.76
03-02-2025 04:00	0.00	10.67	15.00	24.32	43.01	20.08	10.82
03-02-2025 05:00	0.00	9.64	15.00	23.93	43.15	39.79	11.12
03-02-2025 06:00	0.01	9.90	15.00	24.98	49.27	26.62	11.06
03-02-2025 07:00	0.01	10.39	15.00	24.67	47.11	16.58	11.14
03-02-2025 08:00	0.03	10.19	15.00	24.36	45.06	12.48	11.51
03-02-2025 09:00	0.02	11.62	15.00	24.39	44.12	16.36	11.30
03-02-2025 10:00	0.03	10.45	15.00	24.73	43.63	21.24	11.07
03-02-2025 11:00	0.00	9.84	15.00	25.00	46.10	14.43	10.40
03-02-2025 12:00	0.00	10.32	15.00	24.31	45.53	20.27	8.85
03-02-2025 13:00	0.00	9.75	15.00	24.89	55.30	7.51	9.88
03-02-2025 14:00	0.00	10.38	15.00	25.62	49.15	3.76	8.34
03-02-2025 15:00	0.00	10.06	15.00	24.87	46.08	1.88	7.27
03-02-2025 16:00	0.00	10.94	15.00	23.31	44.54	0.94	6.79
03-02-2025 17:00	0.00	10.33	15.00	25.24	43.77	0.47	11.10
03-02-2025 18:00	0.00	9.58	15.00	26.79	43.39	0.24	11.10
03-02-2025 19:00	0.00	10.25	15.00	24.89	43.19	3.27	11.47
03-02-2025 20:00	0.00	9.61	15.00	23.80	43.10	10.20	11.82
03-02-2025 21:00	0.00	11.09	15.00	23.88	43.05	8.94	11.01
03-02-2025 22:00	0.00	9.95	15.00	26.34	43.02	17.45	10.97
03-02-2025 23:00	0.00	11.36	15.00	24.52	43.01	20.08	10.86
04-02-2025 00:00	0.00	10.21	15.00	24.91	43.15	39.79	10.78
04-02-2025 01:00	0.01	10.28	15.00	25.28	49.27	26.62	10.90
04-02-2025 02:00	0.02	10.50	15.00	26.24	47.11	16.58	10.76
04-02-2025 03:00	0.01	9.19	15.00	24.72	45.06	12.48	10.71
04-02-2025 04:00	0.02	10.31	15.00	25.75	44.12	16.36	10.73
04-02-2025 05:00	0.01	10.13	15.00	25.55	43.63	21.24	11.03
04-02-2025 06:00	0.01	10.55	15.00	25.11	46.10	14.43	11.01
04-02-2025 07:00	0.00	10.16	15.00	25.26	45.53	20.27	11.02
04-02-2025 08:00	0.00	10.66	15.00	25.13	44.27	39.25	11.14
04-02-2025 09:00	0.01	10.64	15.00	25.32	43.63	49.08	10.97
04-02-2025 10:00	0.00	10.83	15.00	24.73	43.32	33.22	10.66
04-02-2025 11:00	0.00	11.55	15.00	23.95	43.16	32.12	10.88
04-02-2025 12:00	0.00	10.20	15.00	24.66	43.08	33.43	10.47
04-02-2025 13:00	0.00	10.74	15.00	25.70	43.04	73.15	10.90
04-02-2025 14:00	0.00	10.04	15.00	25.91	43.02	60.36	10.51
04-02-2025 15:00	0.00	10.14	15.00	25.90	43.01	152.62	10.00
04-02-2025 16:00	0.00	10.22	15.00	26.96	43.01	109.69	9.64
04-02-2025 17:00	0.00	10.41	15.00	24.99	43.00	71.31	11.02
04-02-2025 18:00	0.00	11.02	15.00	24.41	43.00	38.19	11.04
04-02-2025 19:00	0.00	9.72	15.00	25.40	43.00	24.27	11.49
04-02-2025 20:00	0.00	10.27	15.00	22.99	43.00	129.27	11.93
04-02-2025 21:00	0.00	9.99	15.00	24.15	43.00	82.69	11.07
04-02-2025 22:00	0.00	11.24	15.00	25.87	43.00	54.34	11.05
04-02-2025 23:00	0.00	10.19	15.00	25.25	43.00	30.03	11.03
05-02-2025 00:00	0.00	9.46	15.00	24.87	43.10	17.01	10.98
05-02-2025 01:00	0.00	9.53	15.00	24.47	47.53	23.01	11.13
05-02-2025 02:00	0.00	10.68	15.00	25.25	45.47	24.37	11.01
05-02-2025 03:00	0.00	10.32	15.00	25.73	44.24	28.57	10.87
05-02-2025 04:00	0.00	11.15	15.00	23.73	43.65	29.78	10.85
05-02-2025 05:00	0.00	10.77	15.00	25.23	44.29	25.40	11.06
05-02-2025 06:00	0.00	10.87	15.00	26.99	43.77	28.14	10.91
05-02-2025 07:00	0.00	10.10	15.00	24.63	43.39	18.03	10.80
05-02-2025 08:00	0.00	9.88	15.00	25.18	43.20	18.14	10.84
05-02-2025 09:00	0.00	10.21	15.00	24.55	43.10	44.33	



05-02-2025 10:00	0.00	11.39	15.00	25.73	43.05	36.22	10.86
05-02-2025 11:00	0.00	10.28	15.00	25.40	43.02	30.12	10.61
05-02-2025 12:00	0.00	10.29	15.00	23.86	43.09	29.73	10.50
05-02-2025 13:00	0.00	10.95	15.00	23.89	46.66	19.33	10.96
05-02-2025 14:00	0.00	10.46	15.00	25.91	44.85	70.08	10.57
05-02-2025 15:00	0.00	9.20	15.00	23.67	44.74	46.90	10.05
05-02-2025 16:00	0.00	10.55	15.00	26.71	43.87	70.78	9.71
05-02-2025 17:00	0.00	10.73	15.00	25.20	43.57	53.00	10.94
05-02-2025 18:00	0.00	10.76	15.00	24.33	43.29	35.54	10.95
05-02-2025 19:00	0.00	10.57	15.00	24.40	43.14	44.24	11.55
05-02-2025 20:00	0.00	10.30	15.00	24.68	43.07	36.07	11.91
05-02-2025 21:00	0.00	10.82	15.00	24.95	43.04	23.30	11.06
05-02-2025 22:00	0.00	10.11	15.00	26.11	43.02	22.39	11.05
05-02-2025 23:00	0.00	10.56	15.00	24.03	43.01	23.61	10.98
06-02-2025 00:00	0.00	10.91	15.00	23.91	43.15	15.16	10.89
06-02-2025 01:00	0.01	9.83	15.00	24.09	49.65	15.26	11.00
06-02-2025 02:00	0.01	10.04	15.00	25.37	46.32	14.77	10.81
06-02-2025 03:00	0.02	10.36	15.00	24.70	44.67	11.36	10.68
06-02-2025 04:00	0.03	10.10	15.00	24.86	44.06	17.00	10.66
06-02-2025 05:00	0.02	10.77	15.00	24.57	45.88	21.11	11.16
06-02-2025 06:00	0.03	9.94	15.00	26.90	44.44	20.12	11.11
06-02-2025 07:00	0.02	10.74	15.00	24.36	43.72	14.82	11.03
06-02-2025 08:00	0.02	11.24	15.00	25.63	43.36	10.15	10.81
06-02-2025 09:00	0.00	10.15	15.00	24.52	43.18	10.41	10.99
06-02-2025 10:00	0.00	10.13	15.00	24.82	43.09	56.95	10.80
06-02-2025 11:00	0.01	10.64	15.00	24.79	43.05	38.08	10.82
06-02-2025 12:00	0.02	10.06	15.00	23.69	43.16	30.98	10.95
06-02-2025 13:00	0.02	10.30	15.00	23.05	49.10	25.29	11.06
06-02-2025 14:00	0.01	10.42	15.00	24.25	49.32	26.12	10.73
06-02-2025 15:00	0.00	10.81	15.00	23.63	46.16	15.95	10.16
06-02-2025 16:00	0.00	11.23	15.00	25.16	44.58	19.44	9.54
06-02-2025 17:00	0.00	10.42	15.00	24.96	43.79	15.48	10.93
06-02-2025 18:00	0.00	9.93	15.00	25.16	43.40	17.59	10.85
06-02-2025 19:00	0.00	10.47	15.00	24.65	43.20	15.63	11.34
06-02-2025 20:00	0.00	10.40	15.00	23.99	43.10	24.74	11.60
06-02-2025 21:00	0.00	11.19	15.00	25.38	43.05	28.80	11.00
06-02-2025 22:00	0.00	9.33	15.00	23.66	43.03	69.71	10.89
06-02-2025 23:00	0.00	9.95	15.00	25.82	43.01	82.82	10.89
07-02-2025 00:00	0.00	10.32	15.00	23.64	43.18	61.84	10.96
07-02-2025 01:00	0.02	10.41	15.00	24.91	50.57	46.27	11.14
07-02-2025 02:00	0.02	10.25	15.00	25.54	48.88	38.94	11.18
07-02-2025 03:00	0.01	10.01	15.00	24.25	45.94	32.58	11.09
07-02-2025 04:00	0.01	9.84	15.00	24.74	44.53	19.81	10.95
07-02-2025 05:00	0.00	10.15	15.00	24.52	43.77	15.96	10.95
07-02-2025 06:00	0.00	10.00	15.00	24.76	43.39	13.37	10.56
07-02-2025 07:00	0.00	10.61	15.00	24.73	43.19	17.55	10.03
07-02-2025 08:00	0.00	10.25	15.00	25.40	43.10	113.84	9.49
07-02-2025 09:00	0.00	10.15	15.00	27.00	43.05	78.47	10.95
07-02-2025 10:00	0.00	10.62	15.00	26.27	43.02	41.90	10.76
07-02-2025 11:00	0.00	10.11	15.00	25.57	43.01	40.22	10.73
07-02-2025 12:00	0.00	9.54	15.00	23.75	43.09	25.55	10.91
07-02-2025 13:00	0.01	10.37	15.00	25.64	43.26	89.28	11.02
07-02-2025 14:00	0.00	10.81	15.00	27.03	43.13	48.25	10.97
07-02-2025 15:00	0.00	10.48	15.00	24.87	43.06	28.41	10.80
07-02-2025 16:00	0.00	11.38	15.00	24.47	43.04	22.83	10.70
07-02-2025 17:00	0.00	10.12	15.00	26.29	46.19	15.05	



07-02-2025 18:00	0.00	10.26	15.00	25.81	46.09	19.39	11.08
07-02-2025 19:00	0.00	9.96	15.00	24.95	48.25	13.04	11.19
07-02-2025 20:00	0.00	9.66	15.00	23.03	46.49	20.34	11.20
07-02-2025 21:00	0.00	10.38	15.00	24.88	43.87	70.78	9.71
07-02-2025 22:00	0.25	9.87	15.00	23.82	43.57	53.00	10.94
07-02-2025 23:00	0.30	10.83	15.00	25.66	43.29	35.54	10.95
08-02-2025 00:00	0.28	10.64	15.00	25.22	43.14	44.24	11.55
08-02-2025 01:00	0.05	9.85	15.00	26.98	43.07	36.07	11.91
08-02-2025 02:00	0.05	9.85	15.00	25.09	43.04	23.30	11.06
08-02-2025 03:00	0.00	9.71	15.00	24.18	43.02	22.39	11.05
08-02-2025 04:00	0.00	9.97	15.00	25.41	43.01	23.61	10.98
08-02-2025 05:00	0.00	9.96	15.00	23.89	43.15	15.16	10.89
08-02-2025 06:00	0.00	11.27	15.00	24.43	49.65	15.26	11.00
08-02-2025 07:00	0.00	10.29	15.00	26.67	46.32	14.77	10.81
08-02-2025 08:00	0.00	9.76	15.00	23.57	44.67	11.36	10.68
08-02-2025 09:00	0.00	9.79	15.00	23.91	44.06	17.00	10.66
08-02-2025 10:00	0.00	10.17	15.00	25.50	45.88	21.11	11.16
08-02-2025 11:00	0.00	10.79	15.00	23.27	44.44	20.12	11.11
08-02-2025 12:00	0.00	9.78	15.00	27.03	43.72	14.82	11.03
08-02-2025 13:00	0.00	11.37	15.00	26.21	43.36	10.15	10.81
08-02-2025 14:00	0.00	10.85	15.00	24.93	43.18	10.41	10.99
08-02-2025 15:00	0.00	10.45	15.00	24.96	43.09	56.95	10.80
08-02-2025 16:00	0.00	9.81	15.00	24.75	43.05	38.08	10.82
08-02-2025 17:00	0.00	10.75	15.00	24.74	43.16	30.98	10.95
08-02-2025 18:00	0.00	9.95	15.00	24.03	49.10	25.29	11.06
08-02-2025 19:00	0.00	10.62	15.00	26.38	49.32	26.12	10.73
08-02-2025 20:00	0.00	9.55	15.00	25.89	46.16	15.95	10.16
08-02-2025 21:00	0.00	11.08	15.00	24.99	44.58	19.44	9.54
08-02-2025 22:00	0.00	10.37	15.00	24.11	43.79	15.48	10.93
08-02-2025 23:00	0.00	10.29	15.00	24.99	43.40	17.59	10.85
09-02-2025 00:00	0.00	10.41	15.00	26.07	43.20	15.63	11.34
09-02-2025 01:00	0.03	10.50	15.00	25.10	43.10	24.74	11.60
09-02-2025 02:00	0.07	9.47	15.00	25.98	43.05	28.80	11.00
09-02-2025 03:00	0.09	10.27	15.00	25.63	43.03	69.71	10.89
09-02-2025 04:00	0.10	10.27	15.00	22.96	43.01	82.82	10.89
09-02-2025 05:00	0.08	10.01	15.00	24.38	43.18	61.84	10.96
09-02-2025 06:00	0.09	10.83	15.00	25.62	50.57	46.27	11.14
09-02-2025 07:00	0.05	10.70	15.00	25.09	48.88	38.94	11.18
09-02-2025 08:00	0.03	10.45	15.00	24.35	45.94	32.58	11.09
09-02-2025 09:00	0.01	10.57	15.00	24.80	44.53	19.81	10.95
09-02-2025 10:00	0.03	10.84	15.00	24.84	43.87	70.78	9.71
09-02-2025 11:00	0.07	11.43	15.00	24.35	43.57	53.00	10.94
09-02-2025 12:00	0.08	11.00	15.00	23.22	43.29	35.54	10.95
09-02-2025 13:00	0.03	9.81	15.00	23.18	43.14	44.24	11.55
09-02-2025 14:00	0.00	11.02	15.00	24.83	43.07	36.07	11.91
09-02-2025 15:00	0.00	10.12	15.00	24.03	43.04	23.30	11.06
09-02-2025 16:00	0.00	10.58	15.00	25.08	43.02	22.39	11.05
09-02-2025 17:00	0.00	9.65	15.00	24.44	43.01	23.61	10.98
09-02-2025 18:00	0.00	11.14	15.00	25.92	43.15	15.16	10.89
09-02-2025 19:00	0.00	10.95	15.00	26.86	49.65	15.26	11.00
09-02-2025 20:00	0.00	10.40	15.00	24.29	46.32	14.77	10.81
09-02-2025 21:00	0.00	10.18	15.00	25.08	44.67	11.36	10.68
09-02-2025 22:00	0.00	10.43	15.00	24.47	44.06	17.00	10.66
09-02-2025 23:00	0.00	9.64	15.00	25.87	45.88	21.11	11.16
10-02-2025 00:00	0.00	9.95	15.00	24.53	44.44	20.12	11.03
10-02-2025 01:00	0.03	10.66	15.00	26.05	43.72	14.82	11.03



10-02-2025 02:00	0.05	10.75	15.00	23.19	43.36	10.15	10.81
10-02-2025 03:00	0.04	10.29	15.00	25.63	43.18	10.41	10.99
10-02-2025 04:00	0.05	9.32	15.00	23.38	43.09	56.95	10.80
10-02-2025 05:00	0.08	10.36	15.00	23.46	43.05	38.08	10.82
10-02-2025 06:00	0.12	9.50	15.00	26.30	43.16	30.98	10.95
10-02-2025 07:00	0.15	10.39	15.00	24.40	49.10	25.29	11.06
10-02-2025 08:00	0.11	10.93	15.00	23.81	49.32	26.12	10.73
10-02-2025 09:00	0.11	10.50	15.00	24.46	46.16	15.95	10.16
10-02-2025 10:00	0.07	10.02	15.00	24.53	44.58	19.44	9.54
10-02-2025 11:00	0.03	10.52	15.00	24.23	43.79	15.48	10.93
10-02-2025 12:00	0.03	9.77	15.00	26.21	43.40	17.59	10.85
10-02-2025 13:00	0.01	10.34	15.00	26.29	43.20	15.63	11.34
10-02-2025 14:00	0.00	11.05	15.00	25.23	43.10	24.74	11.60
10-02-2025 15:00	0.00	10.27	15.00	23.66	43.05	28.80	11.00
10-02-2025 16:00	0.00	11.51	15.00	25.43	43.03	69.71	10.89
10-02-2025 17:00	0.00	10.60	15.00	23.32	43.01	82.82	10.89
10-02-2025 18:00	0.00	10.60	15.00	25.29	43.18	61.84	10.96
10-02-2025 19:00	0.00	10.99	15.00	24.88	50.57	46.27	11.14
10-02-2025 20:00	0.00	11.23	15.00	24.71	48.88	38.94	11.18
10-02-2025 21:00	0.00	10.53	15.00	24.09	45.94	32.58	11.09
10-02-2025 22:00	0.00	9.41	15.00	24.74	44.53	19.81	10.95
10-02-2025 23:00	0.00	10.08	15.00	24.62	43.77	28.14	10.91
11-02-2025 00:00	0.00	10.39	15.00	26.98	43.39	18.03	10.80
11-02-2025 01:00	0.00	10.76	15.00	24.19	43.20	18.14	10.84
11-02-2025 02:00	0.02	11.03	15.00	26.15	43.10	44.33	11.09
11-02-2025 03:00	0.01	10.55	15.00	24.07	43.05	36.22	10.86
11-02-2025 04:00	0.00	10.72	15.00	24.05	43.02	30.12	10.61
11-02-2025 05:00	0.02	9.82	15.00	25.11	43.09	29.73	10.50
11-02-2025 06:00	0.03	10.90	15.00	25.19	46.66	19.33	10.96
11-02-2025 07:00	0.07	9.84	15.00	25.13	44.85	70.08	10.57
11-02-2025 08:00	0.09	10.19	15.00	26.02	44.74	46.90	10.05
11-02-2025 09:00	0.09	9.59	15.00	25.03	43.87	70.78	9.71
11-02-2025 10:00	0.05	9.95	15.00	25.60	43.57	53.00	10.94
11-02-2025 11:00	0.00	10.12	15.00	24.38	43.29	35.54	10.95
11-02-2025 12:00	0.00	9.96	15.00	26.29	43.14	44.24	11.55
11-02-2025 13:00	0.01	10.40	15.00	26.67	43.07	36.07	11.91
11-02-2025 14:00	0.00	10.16	15.00	23.75	43.04	23.30	11.06
11-02-2025 15:00	0.01	10.81	15.00	24.54	43.02	22.39	11.05
11-02-2025 16:00	0.00	11.24	15.00	24.43	43.01	23.61	10.98
11-02-2025 17:00	0.00	10.17	15.00	24.91	43.15	15.16	10.89
11-02-2025 18:00	0.00	10.32	15.00	25.55	49.65	15.26	11.00
11-02-2025 19:00	0.00	10.62	15.00	24.88	46.32	14.77	10.81
11-02-2025 20:00	0.00	10.50	15.00	24.26	44.67	11.36	10.68
11-02-2025 21:00	0.00	10.67	15.00	24.79	44.06	17.00	10.66
11-02-2025 22:00	0.00	9.73	15.00	25.64	45.88	21.11	11.16
11-02-2025 23:00	0.00	10.82	15.00	25.31	44.44	20.12	11.11
12-02-2025 00:00	0.00	10.63	15.00	23.90	43.72	14.82	11.03
12-02-2025 01:00	0.02	10.57	15.00	25.00	43.77	28.14	10.91
12-02-2025 02:00	0.04	9.05	15.00	24.27	43.39	18.03	10.80
12-02-2025 03:00	0.05	9.78	15.00	26.04	43.20	18.14	10.84
12-02-2025 04:00	0.02	10.44	15.00	24.08	43.10	44.33	11.09
12-02-2025 05:00	0.05	10.72	15.00	25.94	43.05	36.22	10.86
12-02-2025 06:00	0.09	10.59	15.00	25.63	43.02	30.12	10.61
12-02-2025 07:00	0.08	11.11	15.00	24.14	43.09	29.73	10.50
12-02-2025 08:00	0.04	10.87	15.00	25.04	46.66	19.33	10.50
12-02-2025 09:00	0.03	10.54	15.00	23.41	44.85	70.08	10.50



12-02-2025 10:00	0.02	10.43	15.00	25.06	44.74	46.90	10.05
12-02-2025 11:00	0.02	10.07	15.00	23.84	43.87	70.78	9.71
12-02-2025 12:00	0.01	9.79	15.00	23.07	43.57	53.00	10.94
12-02-2025 13:00	0.00	10.30	15.00	24.39	43.29	35.54	10.95
12-02-2025 14:00	0.00	10.99	15.00	25.74	43.14	44.24	11.55
12-02-2025 15:00	0.00	9.65	15.00	26.67	43.07	36.07	11.91
12-02-2025 16:00	0.00	10.21	15.00	25.02	43.04	23.30	11.06
12-02-2025 17:00	0.00	10.82	15.00	26.46	43.02	22.39	11.05
12-02-2025 18:00	0.00	10.59	15.00	25.77	43.01	23.61	10.98
12-02-2025 19:00	0.00	10.37	15.00	24.92	43.15	15.16	10.89
12-02-2025 20:00	0.00	10.17	15.00	24.45	49.65	15.26	11.00
12-02-2025 21:00	0.00	10.05	15.00	24.97	46.32	14.77	10.81
12-02-2025 22:00	0.00	10.44	15.00	24.19	44.67	11.36	10.68
12-02-2025 23:00	0.00	9.81	15.00	25.92	44.06	17.00	10.66
13-02-2025 00:00	0.00	9.86	15.00	26.03	45.88	21.11	11.16
13-02-2025 01:00	0.01	10.52	15.00	24.36	44.44	20.12	11.11
13-02-2025 02:00	0.00	10.27	15.00	25.14	43.72	14.82	11.03
13-02-2025 03:00	0.02	10.37	15.00	24.36	44.87	17.30	10.94
13-02-2025 04:00	0.04	10.59	15.00	24.80	44.05	22.61	10.79
13-02-2025 05:00	0.02	10.36	15.00	25.78	43.54	23.53	11.04
13-02-2025 06:00	0.02	9.93	15.00	26.09	43.27	19.22	10.95
13-02-2025 07:00	0.03	10.18	15.00	24.42	43.13	21.09	10.99
13-02-2025 08:00	0.05	10.82	15.00	23.40	43.07	79.97	11.13
13-02-2025 09:00	0.04	11.40	15.00	23.55	43.04	51.77	11.14
13-02-2025 10:00	0.04	10.57	15.00	25.04	43.02	26.80	11.00
13-02-2025 11:00	0.04	11.07	15.00	24.91	43.62	22.28	10.79
13-02-2025 12:00	0.03	10.56	15.00	23.82	43.46	12.89	10.62
13-02-2025 13:00	0.04	11.24	15.00	24.84	46.71	67.23	11.25
13-02-2025 14:00	0.02	10.39	15.00	26.81	45.86	45.13	11.18
13-02-2025 15:00	0.01	9.77	15.00	23.15	44.47	54.61	10.29
13-02-2025 16:00	0.00	10.53	15.00	25.55	45.27	51.78	9.37
13-02-2025 17:00	0.00	10.32	15.00	25.44	44.51	35.91	10.95
13-02-2025 18:00	0.00	9.93	15.00	24.04	44.28	67.90	10.93
13-02-2025 19:00	0.00	10.88	15.00	24.95	43.95	43.37	11.59
13-02-2025 20:00	0.00	10.14	15.00	25.07	43.52	131.92	12.08
13-02-2025 21:00	0.00	10.49	15.00	23.86	43.26	89.28	11.02
13-02-2025 22:00	0.00	9.73	15.00	22.89	43.13	48.25	10.97
13-02-2025 23:00	0.00	10.20	15.00	24.48	43.06	28.41	10.80
14-02-2025 00:00	0.00	10.20	15.00	24.04	43.04	22.83	10.70
14-02-2025 01:00	0.04	10.81	15.00	24.58	46.19	15.05	11.19
14-02-2025 02:00	0.03	10.68	15.00	24.69	46.09	19.39	11.08
14-02-2025 03:00	0.04	10.42	15.00	26.05	48.25	13.04	11.19
14-02-2025 04:00	0.01	9.85	15.00	23.62	46.49	20.34	11.20
14-02-2025 05:00	0.03	9.75	15.00	23.42	44.75	24.93	11.10
14-02-2025 06:00	0.02	9.92	15.00	24.74	43.87	25.13	10.81
14-02-2025 07:00	0.01	10.42	15.00	24.65	43.43	22.59	10.45
14-02-2025 08:00	0.01	11.11	15.00	24.28	43.22	17.72	10.33
14-02-2025 09:00	0.02	10.28	15.00	23.70	43.11	38.46	11.12
14-02-2025 10:00	0.02	10.45	15.00	23.72	43.06	33.05	11.18
14-02-2025 11:00	0.03	10.60	15.00	25.44	43.03	21.75	11.26
14-02-2025 12:00	0.03	10.44	15.00	24.35	43.01	42.82	11.45
14-02-2025 13:00	0.00	10.41	15.00	24.73	45.03	29.84	11.01
14-02-2025 14:00	0.00	10.71	15.00	25.93	44.51	34.66	10.84
14-02-2025 15:00	0.00	10.18	15.00	26.39	43.76	26.14	10.20

14/2/2025

Shawad
Nobliga



Prayagraj Power Generation Company Ltd

PPGCL

CAAQMS-03(Behind CHP Area)

	AQ3_PPGCL CO_PPGCL mg/m3	AQ3_PPGCL NO2_PPGCL ug/m3	AQ3_PPGCL NO_PPGCL ug/m3	AQ3_PPGCL NOX_PPGCL ug/m3	AQ3_PPGCL PM10_PPGCL ug/m3	AQ3_PPGCL PM2.5 ug/m3	AQ3_PPGCL SO2_PPGCL ug/m3
01-02-2025 00:00	1.09	8.19	3.93	11.10	136.09	39.37	13.16
01-02-2025 00:15	1.10	7.71	4.02	10.70	138.09	39.37	14.23
01-02-2025 00:30	1.10	8.13	4.03	10.89	129.73	39.37	17.22
01-02-2025 00:45	1.11	7.99	4.08	10.82	127.15	39.17	16.47
01-02-2025 01:00	1.08	8.02	3.89	11.06	127.15	38.01	16.07
01-02-2025 01:15	1.09	8.10	3.90	10.80	127.15	38.01	16.34
01-02-2025 01:30	1.10	8.00	4.01	10.60	120.72	38.01	16.11
01-02-2025 01:45	1.09	8.02	3.90	11.38	118.11	36.87	16.80
01-02-2025 02:00	1.09	8.00	3.91	11.08	118.11	29.50	14.42
01-02-2025 02:15	1.10	7.95	4.00	11.24	118.11	29.50	14.52
01-02-2025 02:30	1.08	8.11	3.87	11.09	117.12	29.50	15.14
01-02-2025 02:45	1.12	8.07	4.15	10.56	116.72	30.05	15.59
01-02-2025 03:00	1.10	8.04	3.98	10.89	116.72	33.62	15.13
01-02-2025 03:15	1.10	7.98	4.00	11.08	116.72	33.62	15.93
01-02-2025 03:30	1.10	8.00	4.00	10.83	136.29	33.62	16.80
01-02-2025 03:45	1.09	7.92	3.94	10.51	144.24	32.93	17.95
01-02-2025 04:00	1.09	8.13	3.96	11.25	144.24	28.42	16.55
01-02-2025 04:15	1.08	8.17	3.88	11.44	144.24	28.42	16.82
01-02-2025 04:30	1.11	7.82	4.05	10.74	156.99	28.42	17.78
01-02-2025 04:45	1.09	7.95	3.91	10.99	162.17	30.02	18.51
01-02-2025 05:00	1.09	8.04	3.95	10.77	162.17	39.48	18.09
01-02-2025 05:15	1.08	8.16	3.85	11.58	162.17	39.48	18.10
01-02-2025 05:30	1.09	8.04	3.96	10.35	160.43	39.48	18.24
01-02-2025 05:45	1.11	7.90	4.08	11.43	159.72	40.39	19.95
01-02-2025 06:00	1.15	8.01	4.34	10.80	159.72	46.32	18.34
01-02-2025 06:15	1.12	8.05	4.12	11.00	159.72	46.32	18.58
01-02-2025 06:30	1.12	8.00	4.10	11.26	152.74	46.32	19.29
01-02-2025 06:45	1.15	8.07	4.33	11.25	149.90	45.09	18.76
01-02-2025 07:00	1.12	7.95	4.15	10.62	149.90	37.11	18.26
01-02-2025 07:15	1.06	8.08	3.75	11.14	149.90	37.11	18.23
01-02-2025 07:30	1.10	8.22	4.01	11.09	147.79	37.11	20.16
01-02-2025 07:45	1.09	8.00	3.92	11.39	146.92	37.65	19.39
01-02-2025 08:00	1.10	8.08	4.03	10.86	146.92	40.87	19.13
01-02-2025 08:15	1.11	8.04	4.07	10.77	146.92	40.87	18.64
01-02-2025 08:30	1.08	7.98	3.86	11.35	128.92	40.87	18.44
01-02-2025 08:45	1.10	7.81	4.01	11.06	121.61	40.87	20.36
01-02-2025 09:00	1.12	7.89	4.10	11.65	121.61	40.86	19.48
01-02-2025 09:15	1.15	7.89	4.36	11.09	121.61	40.86	18.99
01-02-2025 09:30	1.13	7.97	4.18	10.83	105.32	40.86	19.70
01-02-2025 09:45	1.09	8.09	3.93	11.15	98.70	40.15	18.79
01-02-2025 10:00	1.09	7.90	3.96	11.02	98.70	35.58	17.04
01-02-2025 10:15	1.10	8.17	4.01	11.33	98.70	35.58	17.77
01-02-2025 10:30	1.11	8.18	4.05	10.84	96.87	35.58	18.72
01-02-2025 10:45	1.12	8.14	4.13	10.65	96.13	34.81	19.64

14/2/2025
 (Sharan
 Mahiya)



01-02-2025 11:00	1.12	8.07	4.14	11.11	96.13	30.24	17.77
01-02-2025 11:15	1.09	8.22	3.92	10.91	96.13	30.24	18.20
01-02-2025 11:30	1.08	7.96	3.87	11.49	80.52	30.24	17.84
01-02-2025 11:45	1.11	7.96	4.10	10.96	74.18	30.18	18.15
01-02-2025 12:00	1.11	8.02	4.08	10.97	74.18	29.86	17.15
01-02-2025 12:15	1.12	8.11	4.14	10.86	74.18	29.86	17.53
01-02-2025 12:30	1.09	8.13	3.91	11.43	66.53	29.86	17.96
01-02-2025 12:45	1.08	7.94	3.88	10.52	63.41	28.76	17.79
01-02-2025 13:00	1.07	7.94	3.83	11.30	63.41	22.26	16.86
01-02-2025 13:15	1.13	8.42	4.19	10.80	63.41	22.26	17.13
01-02-2025 13:30	1.10	7.96	4.01	10.62	57.31	22.26	16.96
01-02-2025 13:45	1.09	7.89	3.90	10.79	54.83	22.67	17.50
01-02-2025 14:00	1.06	8.16	3.72	10.75	54.83	25.12	15.93
01-02-2025 14:15	1.12	8.05	4.12	11.25	54.83	25.12	14.01
01-02-2025 14:30	1.10	8.09	3.98	10.76	43.23	25.12	13.73
01-02-2025 14:45	1.13	7.80	4.21	11.10	38.52	25.10	14.90
01-02-2025 15:00	1.10	7.87	4.00	11.34	38.52	24.99	14.68
01-02-2025 15:15	1.11	7.92	4.08	10.79	38.52	24.99	14.61
01-02-2025 15:30	1.09	8.05	3.95	11.45	43.63	24.99	15.44
01-02-2025 15:45	1.09	8.06	3.95	11.30	45.71	24.79	15.90
01-02-2025 16:00	1.08	8.02	3.85	11.11	45.71	23.60	14.82
01-02-2025 16:15	1.11	7.81	4.04	10.88	45.71	23.60	14.65
01-02-2025 16:30	1.09	7.93	3.94	11.05	50.05	23.60	15.11
01-02-2025 16:45	1.06	7.98	3.76	10.97	51.82	23.97	15.24
01-02-2025 17:00	1.09	7.97	3.92	10.74	51.82	26.13	13.84
01-02-2025 17:15	1.10	8.12	4.01	11.30	51.82	26.13	13.91
01-02-2025 17:30	1.10	7.95	3.98	11.18	56.17	26.13	13.80
01-02-2025 17:45	1.09	7.86	3.94	10.90	57.94	25.33	14.73
01-02-2025 18:00	1.09	8.06	3.92	10.76	57.94	20.60	13.55
01-02-2025 18:15	1.10	8.14	4.02	10.85	57.94	20.60	13.92
01-02-2025 18:30	1.12	7.87	4.12	10.78	64.71	20.60	14.59
01-02-2025 18:45	1.09	7.93	3.97	11.00	67.46	21.04	14.80
01-02-2025 19:00	1.08	7.90	3.85	10.62	67.46	23.66	13.80
01-02-2025 19:15	1.09	7.88	3.90	11.88	67.46	23.66	13.63
01-02-2025 19:30	1.12	8.12	4.14	11.04	68.39	23.66	14.79
01-02-2025 19:45	1.11	8.07	4.07	11.81	68.76	23.98	15.02
01-02-2025 20:00	1.11	8.14	4.08	11.22	68.76	25.88	14.08
01-02-2025 20:15	1.08	8.09	3.84	11.32	68.76	25.88	13.75
01-02-2025 20:30	1.10	7.89	4.00	11.24	68.07	25.88	15.93
01-02-2025 20:45	1.10	7.67	4.01	10.89	67.79	26.02	15.31
01-02-2025 21:00	1.09	7.86	3.95	11.02	67.79	26.88	15.10
01-02-2025 21:15	1.12	8.20	4.13	10.38	67.79	26.88	14.28
01-02-2025 21:30	1.11	8.13	4.09	10.65	71.40	26.88	15.61
01-02-2025 21:45	1.11	7.87	4.09	10.84	72.87	26.02	15.85
01-02-2025 22:00	1.10	8.11	3.98	11.18	72.87	20.95	15.18
01-02-2025 22:15	1.08	8.01	3.87	11.37	72.87	20.95	15.38
01-02-2025 22:30	1.10	8.04	4.00	11.90	75.82	20.95	15.34
01-02-2025 22:45	1.06	8.10	3.70	11.48	77.02	21.80	16.68
01-02-2025 23:00	1.09	7.90	3.93	10.93	77.02	26.83	15.74
01-02-2025 23:15	1.12	7.92	4.12	11.02	77.02	26.83	16.53



01-02-2025 23:30	1.09	7.99	3.93	11.33	79.55	28.83	16.87
01-02-2025 23:45	1.08	8.20	3.86	10.77	80.58	28.34	16.85
02-02-2025 00:00	1.13	8.18	4.19	11.04	80.58	37.28	16.33
02-02-2025 00:15	1.13	8.16	4.20	11.02	80.58	37.28	16.16
02-02-2025 00:30	1.08	7.97	3.86	10.83	92.60	37.28	14.94
02-02-2025 00:45	1.10	8.03	4.01	10.77	97.48	38.62	15.27
02-02-2025 01:00	1.05	8.11	3.64	10.94	97.48	32.67	15.18
02-02-2025 01:15	1.08	8.12	3.84	11.41	97.48	32.67	15.28
02-02-2025 01:30	1.11	7.92	4.05	10.59	91.22	32.67	15.27
02-02-2025 01:45	1.10	7.90	4.02	10.52	88.68	32.66	15.93
02-02-2025 02:00	1.08	7.85	3.87	10.79	88.68	32.58	13.50
02-02-2025 02:15	1.08	7.87	3.88	11.01	88.68	32.58	13.02
02-02-2025 02:30	1.09	8.20	3.93	11.17	81.43	32.58	13.18
02-02-2025 02:45	1.12	7.99	4.11	10.38	78.48	32.81	13.03
02-02-2025 03:00	1.11	8.19	4.07	10.57	78.48	34.31	13.61
02-02-2025 03:15	1.11	8.00	4.04	11.19	78.48	34.31	13.92
02-02-2025 03:30	1.11	7.92	4.05	11.29	88.38	34.31	14.29
02-02-2025 03:45	1.09	7.95	3.96	11.38	92.40	33.71	15.97
02-02-2025 04:00	1.09	8.04	3.91	11.28	92.40	29.81	14.71
02-02-2025 04:15	1.12	7.98	4.13	11.03	92.40	29.81	14.83
02-02-2025 04:30	1.10	7.86	3.97	10.88	108.45	29.81	15.62
02-02-2025 04:45	1.09	7.79	3.90	10.76	114.97	31.19	16.77
02-02-2025 05:00	1.12	8.02	4.13	11.42	114.97	40.17	15.90
02-02-2025 05:15	1.09	7.88	3.93	10.86	114.97	40.17	16.26
02-02-2025 05:30	1.09	7.96	3.95	10.81	186.88	40.17	16.96
02-02-2025 05:45	1.10	8.03	4.02	10.93	216.09	42.71	16.90
02-02-2025 06:00	1.09	7.86	3.92	11.04	216.09	59.22	17.04
02-02-2025 06:15	1.07	7.99	3.82	11.13	216.09	59.22	17.34
02-02-2025 06:30	1.12	7.92	4.15	10.94	189.36	59.22	17.93
02-02-2025 06:45	1.11	8.23	4.07	10.60	178.51	57.79	19.00
02-02-2025 07:00	1.07	8.04	3.82	10.98	178.51	48.46	17.41
02-02-2025 07:15	1.13	7.97	4.18	11.26	178.51	48.46	17.19
02-02-2025 07:30	1.09	8.09	3.94	10.56	160.06	48.46	17.67
02-02-2025 07:45	1.12	8.07	4.16	10.91	152.57	46.63	19.24
02-02-2025 08:00	1.11	8.17	4.06	10.90	152.57	34.71	18.04
02-02-2025 08:15	1.08	7.99	3.89	10.85	152.57	34.71	17.56
02-02-2025 08:30	1.12	8.15	4.12	10.86	153.66	34.71	17.98
02-02-2025 08:45	1.09	7.94	3.97	10.23	154.11	36.24	18.68
02-02-2025 09:00	1.10	8.05	3.97	11.06	154.11	46.14	17.03
02-02-2025 09:15	1.12	7.92	4.11	10.98	154.11	46.14	16.53
02-02-2025 09:30	1.13	8.10	4.18	11.11	145.08	46.14	17.32
02-02-2025 09:45	1.10	7.98	4.02	11.21	141.41	45.21	17.81
02-02-2025 10:00	1.10	8.09	3.97	10.82	141.41	39.15	16.98
02-02-2025 10:15	1.12	7.97	4.12	10.93	141.41	39.15	16.60
02-02-2025 10:30	1.09	8.05	3.91	10.85	129.02	39.15	17.22
02-02-2025 10:45	1.10	7.93	4.00	11.12	123.98	39.15	16.80
02-02-2025 11:00	1.10	8.14	3.99	11.14	123.98	39.14	16.07
02-02-2025 11:15	1.11	8.01	4.03	11.08	123.98	39.14	16.37
02-02-2025 11:30	1.10	7.91	3.98	10.76	107.50	39.14	16.45
02-02-2025 11:45	1.12	7.84	4.17	10.44	100.80	38.36	16.93



02-02-2025 12:00	1.11	8.06	4.07	10.73	100.80	33.32	15.22
02-02-2025 12:15	1.08	8.13	3.87	11.55	100.80	33.32	16.08
02-02-2025 12:30	1.08	8.02	3.89	11.17	87.21	33.32	16.41
02-02-2025 12:45	1.10	8.07	3.98	11.01	81.69	32.50	16.75
02-02-2025 13:00	1.11	8.19	4.08	11.00	81.69	27.15	15.63
02-02-2025 13:15	1.10	7.96	3.98	11.02	81.69	27.15	15.64
02-02-2025 13:30	1.13	7.84	4.20	11.17	67.33	27.15	16.03
02-02-2025 13:45	1.08	8.11	3.88	10.93	61.49	26.17	16.43
02-02-2025 14:00	1.07	7.93	3.77	10.82	61.49	20.31	14.01
02-02-2025 14:15	1.10	8.27	4.01	10.75	61.49	20.31	12.68
02-02-2025 14:30	1.08	8.08	3.85	10.68	72.62	20.31	14.29
02-02-2025 14:45	1.08	8.15	3.90	11.03	77.15	20.96	13.70
02-02-2025 15:00	1.07	8.04	3.78	10.68	77.15	24.81	13.80
02-02-2025 15:15	1.11	7.86	4.06	11.40	77.15	24.81	14.32
02-02-2025 15:30	1.09	7.71	3.92	10.74	73.07	24.81	14.81
02-02-2025 15:45	1.09	8.19	3.96	11.04	71.42	24.08	15.35
02-02-2025 16:00	1.12	8.01	4.15	11.08	71.42	19.70	14.19
02-02-2025 16:15	1.12	7.99	4.11	11.16	71.42	19.70	14.42
02-02-2025 16:30	1.09	7.93	3.93	11.18	72.78	19.70	15.17
02-02-2025 16:45	1.14	8.16	4.26	11.36	73.33	20.18	15.55
02-02-2025 17:00	1.07	7.84	3.81	11.22	73.33	23.03	13.69
02-02-2025 17:15	1.08	8.21	3.89	10.85	73.33	23.03	14.17
02-02-2025 17:30	1.10	7.73	3.99	10.95	65.09	23.03	14.34
02-02-2025 17:45	1.12	7.88	4.14	11.42	61.75	22.50	14.64
02-02-2025 18:00	1.13	8.18	4.17	11.32	61.75	19.42	13.84
02-02-2025 18:15	1.12	7.72	4.11	11.10	61.75	19.42	13.98
02-02-2025 18:30	1.12	7.82	4.16	10.44	60.87	19.42	14.16
02-02-2025 18:45	1.10	8.10	4.00	10.41	60.52	19.87	14.86
02-02-2025 19:00	1.09	7.85	3.91	10.97	60.52	22.54	13.37
02-02-2025 19:15	1.10	7.90	3.97	11.28	60.52	22.54	13.80
02-02-2025 19:30	1.07	8.16	3.79	10.53	69.86	22.54	14.13
02-02-2025 19:45	1.12	8.05	4.15	11.70	73.65	23.89	14.14
02-02-2025 20:00	1.09	8.13	3.96	11.15	73.65	31.87	13.40
02-02-2025 20:15	1.08	8.00	3.84	10.96	73.65	31.87	14.04
02-02-2025 20:30	1.10	8.07	4.01	11.00	83.65	31.87	14.19
02-02-2025 20:45	1.10	7.81	3.99	11.23	87.71	31.69	14.72
02-02-2025 21:00	1.09	7.93	3.94	10.87	87.71	30.62	13.81
02-02-2025 21:15	1.10	8.09	3.99	11.05	87.71	30.62	13.79
02-02-2025 21:30	1.08	8.23	3.84	11.25	94.90	30.62	14.55
02-02-2025 21:45	1.13	7.87	4.18	10.34	97.83	30.62	14.78
02-02-2025 22:00	1.11	8.01	4.05	10.56	97.83	30.62	14.66
02-02-2025 22:15	1.07	8.18	3.82	11.04	97.83	30.62	14.34
02-02-2025 22:30	1.11	7.75	4.04	11.31	94.60	30.62	14.53
02-02-2025 22:45	1.09	7.88	3.96	10.85	93.28	30.62	14.49
02-02-2025 23:00	1.11	7.91	4.10	10.77	93.28	30.58	14.58
02-02-2025 23:15	1.11	7.90	4.04	11.14	93.28	30.58	14.91
02-02-2025 23:30	1.10	8.08	3.97	10.23	91.27	30.58	15.20
02-02-2025 23:45	1.07	7.90	3.81	11.40	90.45	30.35	16.17
03-02-2025 00:00	1.14	8.08	4.25	11.20	90.45	28.97	15.78
03-02-2025 00:15	1.11	8.14	4.05	11.01	90.45	28.97	15.44



03-02-2025 00:30	1.09	8.18	3.92	11.40	90.08	28.97	12.72
03-02-2025 00:45	1.11	8.00	4.04	11.51	89.93	28.23	13.64
03-02-2025 01:00	1.07	8.26	3.77	10.21	89.93	23.82	14.23
03-02-2025 01:15	1.09	7.76	3.95	10.73	89.93	23.82	13.66
03-02-2025 01:30	1.08	8.03	3.88	10.51	79.18	23.82	13.86
03-02-2025 01:45	1.08	8.13	3.88	10.97	74.81	25.00	13.65
03-02-2025 02:00	1.13	8.20	4.19	11.31	74.81	32.61	12.21
03-02-2025 02:15	1.12	7.86	4.15	11.12	74.81	32.61	11.14
03-02-2025 02:30	1.11	7.95	4.07	10.63	69.52	32.61	11.44
03-02-2025 02:45	1.11	8.01	4.04	11.21	67.38	31.38	12.96
03-02-2025 03:00	1.09	7.92	3.91	11.19	67.38	23.38	12.65
03-02-2025 03:15	1.10	7.89	4.03	11.34	67.38	23.38	12.79
03-02-2025 03:30	1.09	8.02	3.94	11.21	68.40	23.38	14.87
03-02-2025 03:45	1.11	8.04	4.06	11.22	68.82	23.62	15.17
03-02-2025 04:00	1.11	7.96	4.07	11.42	68.82	25.18	14.49
03-02-2025 04:15	1.10	7.90	4.00	11.26	68.82	25.18	14.66
03-02-2025 04:30	1.09	8.10	3.96	10.90	73.80	25.18	15.69
03-02-2025 04:45	1.10	7.99	4.01	10.86	75.82	26.25	16.52
03-02-2025 05:00	1.08	7.97	3.85	10.35	75.82	33.20	15.71
03-02-2025 05:15	1.11	8.08	4.05	11.14	75.82	33.20	15.94
03-02-2025 05:30	1.14	7.85	4.24	11.12	72.23	33.20	15.86
03-02-2025 05:45	1.10	8.11	4.02	10.54	70.77	32.30	16.78
03-02-2025 06:00	1.14	8.07	4.26	11.06	70.77	26.52	15.92
03-02-2025 06:15	1.09	8.00	3.91	10.87	70.77	26.52	16.13
03-02-2025 06:30	1.11	8.30	4.07	10.55	65.44	26.52	16.98
03-02-2025 06:45	1.09	7.95	3.93	10.79	63.28	25.92	18.47
03-02-2025 07:00	1.12	7.73	4.14	10.79	63.28	22.04	17.41
03-02-2025 07:15	1.06	8.06	3.76	10.83	63.28	22.04	17.05
03-02-2025 07:30	1.11	7.94	4.06	10.69	61.73	22.04	17.77
03-02-2025 07:45	1.11	8.12	4.10	11.42	61.11	22.51	18.14
03-02-2025 08:00	1.12	7.98	4.12	11.11	61.11	25.59	17.77
03-02-2025 08:15	1.10	8.02	3.98	11.62	61.11	25.59	16.89
03-02-2025 08:30	1.08	7.95	3.86	11.13	60.56	25.59	17.19
03-02-2025 08:45	1.10	8.00	3.98	9.87	60.34	25.57	18.12
03-02-2025 09:00	1.08	8.05	3.90	10.81	60.34	25.44	16.84
03-02-2025 09:15	1.06	7.91	3.76	11.14	60.34	25.44	16.97
03-02-2025 09:30	1.09	8.13	3.90	10.35	66.40	25.44	17.77
03-02-2025 09:45	1.13	8.08	4.22	11.35	68.86	24.70	18.47
03-02-2025 10:00	1.12	8.02	4.14	11.08	68.86	19.89	17.10
03-02-2025 10:15	1.08	8.03	3.87	10.82	68.86	19.89	16.27
03-02-2025 10:30	1.10	8.04	4.01	11.75	83.12	19.89	16.51
03-02-2025 10:45	1.11	7.83	4.09	11.10	88.91	22.60	16.38
03-02-2025 11:00	1.08	8.02	3.88	10.93	88.91	38.64	16.41
03-02-2025 11:15	1.10	8.09	4.00	11.11	88.91	38.64	15.98
03-02-2025 11:30	1.12	8.06	4.11	11.33	80.12	38.64	17.24
03-02-2025 11:45	1.10	8.17	4.01	11.38	76.55	36.96	16.40
03-02-2025 12:00	1.12	8.13	4.13	10.93	76.55	26.04	15.18
03-02-2025 12:15	1.10	7.91	4.00	10.46	76.55	26.04	15.38
03-02-2025 12:30	1.11	8.04	4.04	11.07	64.28	26.04	14.90
03-02-2025 12:45	1.08	7.89	3.89	10.89	59.29	26.88	16.13



03-02-2025 13:00	1.11	7.92	4.03	10.77	59.29	32.32	14.15
03-02-2025 13:15	1.11	8.07	4.07	11.21	59.29	32.32	15.15
03-02-2025 13:30	1.11	7.87	4.10	10.82	55.03	32.32	14.99
03-02-2025 13:45	1.07	7.93	3.83	10.64	53.29	31.24	15.49
03-02-2025 14:00	1.03	8.17	3.55	10.96	53.29	24.19	13.88
03-02-2025 14:15	1.11	8.04	4.08	11.18	53.29	24.19	12.74
03-02-2025 14:30	1.12	7.91	4.13	11.27	51.03	24.19	14.22
03-02-2025 14:45	1.10	8.06	3.98	11.00	50.11	24.91	14.58
03-02-2025 15:00	1.09	7.89	3.97	11.06	50.11	29.55	13.08
03-02-2025 15:15	1.10	8.15	3.99	11.24	50.11	29.55	13.42
03-02-2025 15:30	1.11	8.21	4.08	11.13	44.67	29.55	14.63
03-02-2025 15:45	1.11	8.09	4.09	10.81	42.46	28.48	14.12
03-02-2025 16:00	1.08	7.94	3.87	10.87	42.46	22.17	13.74
03-02-2025 16:15	1.09	7.89	3.95	11.49	42.46	22.17	13.57
03-02-2025 16:30	1.12	7.95	4.14	11.12	45.09	22.17	14.48
03-02-2025 16:45	1.08	7.92	3.86	11.26	46.16	21.53	14.00
03-02-2025 17:00	1.08	8.04	3.88	11.06	46.16	17.71	12.40
03-02-2025 17:15	1.08	7.99	3.89	11.11	46.16	17.71	13.24
03-02-2025 17:30	1.09	8.01	3.91	11.35	52.50	17.71	13.33
03-02-2025 17:45	1.08	7.81	3.84	10.71	55.07	17.98	14.34
03-02-2025 18:00	1.09	7.91	3.95	10.72	55.07	19.62	13.08
03-02-2025 18:15	1.14	8.22	4.25	11.13	55.07	19.62	13.37
03-02-2025 18:30	1.08	8.01	3.86	11.12	57.60	19.62	13.42
03-02-2025 18:45	1.10	7.99	4.03	10.77	58.63	19.74	13.85
03-02-2025 19:00	1.11	8.08	4.05	11.18	58.63	20.40	13.50
03-02-2025 19:15	1.11	8.13	4.10	11.05	58.63	20.40	13.78
03-02-2025 19:30	1.12	8.12	4.11	11.32	64.23	20.40	14.40
03-02-2025 19:45	1.11	8.07	4.05	11.10	66.51	21.01	14.47
03-02-2025 20:00	1.05	8.08	3.70	10.78	66.51	24.66	13.30
03-02-2025 20:15	1.10	7.87	3.97	10.72	66.51	24.66	14.22
03-02-2025 20:30	1.10	7.89	4.02	10.69	67.52	24.66	13.43
03-02-2025 20:45	1.07	7.95	3.80	11.23	67.92	24.55	14.43
03-02-2025 21:00	1.07	8.01	3.82	10.99	67.92	23.94	13.61
03-02-2025 21:15	1.09	7.86	3.92	11.40	67.92	23.94	14.22
03-02-2025 21:30	1.09	7.87	3.91	10.88	73.28	23.94	14.32
03-02-2025 21:45	1.10	7.82	3.97	10.99	75.45	24.34	15.40
03-02-2025 22:00	1.10	7.84	3.99	10.75	75.45	26.72	14.23
03-02-2025 22:15	1.06	7.86	3.73	10.87	75.45	26.72	14.64
03-02-2025 22:30	1.10	7.89	4.00	11.22	71.92	26.72	14.99
03-02-2025 22:45	1.11	7.91	4.05	10.71	70.49	26.72	15.99
03-02-2025 23:00	1.10	8.23	4.00	10.75	70.49	26.74	15.49
03-02-2025 23:15	1.09	7.91	3.91	11.27	70.49	26.74	14.44
03-02-2025 23:30	1.12	8.01	4.12	11.76	68.50	26.74	15.78
03-02-2025 23:45	1.07	8.08	3.82	11.28	67.69	26.42	16.68
04-02-2025 00:00	1.12	7.78	4.13	10.88	67.69	24.52	15.10
04-02-2025 00:15	1.12	7.87	4.12	11.30	67.69	24.52	15.91
04-02-2025 00:30	1.13	8.00	4.19	10.66	98.91	24.52	12.25
04-02-2025 00:45	1.08	7.87	3.85	10.70	111.59	25.76	11.49
04-02-2025 01:00	1.06	8.29	3.71	11.16	111.59	33.08	10.57
04-02-2025 01:15	1.08	7.79	3.86	10.42	111.59	33.08	11.01



04-02-2025 01:30	1.12	8.15	4.10	10.91	107.32	33.08	10.68
04-02-2025 01:45	1.10	8.01	4.01	11.38	105.58	33.51	12.16
04-02-2025 02:00	1.08	8.10	3.87	10.64	105.58	36.25	9.91
04-02-2025 02:15	1.09	7.79	3.94	11.05	105.58	36.25	9.55
04-02-2025 02:30	1.10	8.03	4.00	11.59	100.07	36.25	10.18
04-02-2025 02:45	1.08	7.98	3.84	10.45	97.83	35.87	11.35
04-02-2025 03:00	1.09	8.08	3.96	11.12	97.83	33.62	10.20
04-02-2025 03:15	1.11	8.22	4.06	11.07	97.83	33.62	11.21
04-02-2025 03:30	1.10	8.06	4.00	11.03	83.91	33.62	12.32
04-02-2025 03:45	1.06	8.13	3.76	10.95	78.25	33.49	13.64
04-02-2025 04:00	1.11	7.81	4.05	11.38	78.25	32.67	12.14
04-02-2025 04:15	1.11	8.09	4.09	10.82	78.25	32.67	12.88
04-02-2025 04:30	1.12	8.21	4.11	10.64	76.83	32.67	13.16
04-02-2025 04:45	1.11	8.09	4.05	10.79	76.25	31.91	14.71
04-02-2025 05:00	1.11	7.72	4.06	11.20	76.25	27.40	13.16
04-02-2025 05:15	1.09	7.83	3.93	11.07	76.25	27.40	12.97
04-02-2025 05:30	1.13	8.05	4.20	10.71	69.95	27.40	13.75
04-02-2025 05:45	1.11	8.08	4.07	11.08	67.39	27.11	14.21
04-02-2025 06:00	1.14	8.06	4.26	10.98	67.39	25.37	12.76
04-02-2025 06:15	1.07	7.90	3.80	10.75	67.39	25.37	14.08
04-02-2025 06:30	1.14	8.15	4.26	10.82	71.52	25.37	14.31
04-02-2025 06:45	1.12	8.25	4.16	10.85	73.20	25.37	14.61
04-02-2025 07:00	1.06	7.90	3.76	10.95	73.20	25.42	14.29
04-02-2025 07:15	1.10	8.12	4.02	10.73	73.20	25.42	14.11
04-02-2025 07:30	1.09	7.96	3.94	11.21	64.03	25.42	14.40
04-02-2025 07:45	1.11	8.09	4.05	11.28	60.30	25.06	14.82
04-02-2025 08:00	1.10	8.00	4.00	11.13	60.30	22.92	15.19
04-02-2025 08:15	1.15	8.03	4.32	11.20	60.30	22.92	14.59
04-02-2025 08:30	1.09	7.98	3.96	10.49	66.79	22.92	14.58
04-02-2025 08:45	1.09	8.27	3.95	10.64	69.43	24.38	15.20
04-02-2025 09:00	1.10	7.82	4.01	11.06	69.43	33.01	14.71
04-02-2025 09:15	1.09	8.01	3.93	11.23	69.43	33.01	13.98
04-02-2025 09:30	1.09	7.93	3.92	11.45	69.84	33.01	15.12
04-02-2025 09:45	1.10	8.13	3.98	10.52	70.01	32.21	15.79
04-02-2025 10:00	1.13	7.97	4.17	11.14	70.01	27.44	14.36
04-02-2025 10:15	1.09	8.15	3.94	11.29	70.01	27.44	14.59
04-02-2025 10:30	1.09	7.97	3.95	10.69	63.48	27.44	14.20
04-02-2025 10:45	1.12	7.96	4.13	10.86	60.83	27.42	13.81
04-02-2025 11:00	1.11	8.10	4.07	11.27	60.83	27.30	13.70
04-02-2025 11:15	1.14	7.88	4.24	10.98	60.83	27.30	13.88
04-02-2025 11:30	1.09	7.98	3.95	10.65	61.14	27.30	13.54
04-02-2025 11:45	1.11	7.92	4.06	10.97	61.27	26.43	13.99
04-02-2025 12:00	1.12	7.76	4.14	11.01	61.27	21.30	13.50
04-02-2025 12:15	1.09	8.01	3.95	11.36	61.27	21.30	13.95
04-02-2025 12:30	1.10	7.96	3.98	10.97	56.08	21.30	13.97
04-02-2025 12:45	1.10	7.97	3.98	10.71	53.98	21.55	14.77
04-02-2025 13:00	1.08	8.15	3.85	11.36	53.98	23.02	12.88
04-02-2025 13:15	1.09	7.93	3.92	10.69	53.98	23.02	13.14
04-02-2025 13:30	1.06	8.05	3.73	11.28	56.67	23.02	13.34
04-02-2025 13:45	1.08	7.94	3.87	10.47	57.76	22.36	13.85



04-02-2025 14:00	1.11	8.02	4.05	11.05	57.76	18.45	11.33
04-02-2025 14:15	1.12	7.95	4.11	11.52	57.76	18.45	10.22
04-02-2025 14:30	1.11	7.72	4.06	11.24	54.73	18.45	10.75
04-02-2025 14:45	1.07	7.95	3.79	10.66	53.49	18.07	11.29
04-02-2025 15:00	1.07	7.88	3.82	10.86	53.49	15.79	10.24
04-02-2025 15:15	1.10	8.06	4.00	10.87	53.49	15.79	10.54
04-02-2025 15:30	1.09	8.20	3.92	10.78	55.78	15.79	11.67
04-02-2025 15:45	1.11	8.09	4.05	11.29	56.70	16.96	12.40
04-02-2025 16:00	1.11	8.17	4.06	11.24	56.70	23.94	11.81
04-02-2025 16:15	1.10	8.21	4.00	11.10	56.70	23.94	10.68
04-02-2025 16:30	1.11	7.75	4.07	11.38	55.21	23.94	11.43
04-02-2025 16:45	1.09	7.97	3.93	11.35	54.61	23.28	11.27
04-02-2025 17:00	1.08	8.01	3.88	11.07	54.61	19.37	10.85
04-02-2025 17:15	1.11	8.05	4.06	11.45	54.61	19.37	11.24
04-02-2025 17:30	1.09	7.97	3.96	10.93	59.00	19.37	11.12
04-02-2025 17:45	1.10	8.20	3.97	11.03	60.79	19.03	12.13
04-02-2025 18:00	1.09	8.02	3.96	11.09	60.79	17.01	11.35
04-02-2025 18:15	1.12	8.02	4.14	10.64	60.79	17.01	10.99
04-02-2025 18:30	1.10	7.98	4.02	11.38	62.60	17.01	12.17
04-02-2025 18:45	1.11	8.17	4.05	11.44	63.34	17.91	11.57
04-02-2025 19:00	1.09	7.89	3.96	11.62	63.34	23.27	11.07
04-02-2025 19:15	1.11	7.91	4.06	10.79	63.34	23.27	10.54
04-02-2025 19:30	1.09	8.15	3.95	11.71	58.78	23.27	12.58
04-02-2025 19:45	1.08	7.97	3.85	11.51	56.93	23.26	12.50
04-02-2025 20:00	1.07	8.17	3.81	11.11	56.93	23.22	11.83
04-02-2025 20:15	1.08	8.15	3.88	11.24	56.93	23.22	11.43
04-02-2025 20:30	1.11	8.09	4.05	10.90	64.11	23.22	10.72
04-02-2025 20:45	1.12	8.01	4.16	10.80	67.02	23.42	11.88
04-02-2025 21:00	1.11	8.07	4.09	10.57	67.02	24.58	11.80
04-02-2025 21:15	1.08	8.12	3.84	11.28	67.02	24.58	12.43
04-02-2025 21:30	1.08	8.02	3.87	11.22	102.30	24.58	12.78
04-02-2025 21:45	1.09	8.10	3.94	11.08	116.64	27.18	13.28
04-02-2025 22:00	1.10	7.87	4.01	10.94	116.64	42.58	13.45
04-02-2025 22:15	1.13	8.24	4.18	11.08	116.64	42.58	12.32
04-02-2025 22:30	1.06	7.98	3.76	10.80	138.19	42.58	12.53
04-02-2025 22:45	1.09	7.92	3.95	10.94	146.94	42.40	13.05
04-02-2025 23:00	1.14	7.97	4.27	10.77	146.94	41.31	12.58
04-02-2025 23:15	1.14	8.03	4.29	10.70	146.94	41.31	13.81
04-02-2025 23:30	1.07	8.16	3.82	10.99	144.30	41.31	14.22
04-02-2025 23:45	1.08	7.98	3.89	11.11	143.23	40.74	14.19
05-02-2025 00:00	1.12	8.05	4.13	10.74	143.23	37.34	13.88
05-02-2025 00:15	1.13	8.18	4.20	11.02	143.23	37.34	16.44
05-02-2025 00:30	1.10	8.13	3.98	11.17	127.72	37.34	13.08
05-02-2025 00:45	1.08	8.00	3.89	10.84	121.41	36.24	13.70
05-02-2025 01:00	1.09	7.98	3.92	10.49	121.41	29.76	13.17
05-02-2025 01:15	1.09	8.03	3.97	11.56	121.41	29.76	13.07
05-02-2025 01:30	1.10	8.01	3.99	10.41	110.19	29.76	14.10
05-02-2025 01:45	1.08	8.14	3.83	10.75	105.63	30.33	14.64
05-02-2025 02:00	1.08	7.80	3.87	10.97	105.63	34.03	12.39
05-02-2025 02:15	1.11	7.82	4.04	10.77	105.63	34.03	10.34



05-02-2025 02:30	1.11	7.78	4.08	11.27	97.96	34.03	11.23
05-02-2025 02:45	1.10	8.10	4.00	11.03	94.84	34.00	12.09
05-02-2025 03:00	1.12	8.27	4.16	10.73	94.84	33.81	12.90
05-02-2025 03:15	1.11	8.05	4.04	10.72	94.84	33.81	12.39
05-02-2025 03:30	1.06	8.03	3.75	11.62	95.82	33.81	13.71
05-02-2025 03:45	1.06	7.82	3.72	10.74	96.22	33.18	15.39
05-02-2025 04:00	1.10	8.24	3.97	10.92	96.22	29.10	14.36
05-02-2025 04:15	1.08	7.77	3.89	10.90	96.22	29.10	14.27
05-02-2025 04:30	1.12	8.07	4.14	10.87	89.62	29.10	15.15
05-02-2025 04:45	1.09	8.05	3.95	10.87	86.94	29.01	15.97
05-02-2025 05:00	1.09	7.86	3.94	11.60	86.94	28.44	15.18
05-02-2025 05:15	1.10	8.01	3.98	11.46	86.94	28.44	15.12
05-02-2025 05:30	1.08	7.96	3.86	10.86	91.87	28.44	15.91
05-02-2025 05:45	1.12	8.00	4.13	11.08	93.87	28.34	15.25
05-02-2025 06:00	1.08	8.01	3.85	11.23	93.87	27.66	14.88
05-02-2025 06:15	1.08	7.95	3.89	10.90	93.87	27.66	15.30
05-02-2025 06:30	1.10	7.96	4.00	11.21	79.90	27.66	16.51
05-02-2025 06:45	1.08	8.01	3.88	11.66	74.23	27.78	16.22
05-02-2025 07:00	1.07	8.09	3.78	10.93	74.23	28.50	15.62
05-02-2025 07:15	1.15	8.00	4.30	11.32	74.23	28.50	16.19
05-02-2025 07:30	1.10	7.99	3.99	11.55	79.71	28.50	17.11
05-02-2025 07:45	1.12	7.94	4.12	10.76	81.93	28.94	16.77
05-02-2025 08:00	1.11	7.96	4.08	11.39	81.93	31.57	16.69
05-02-2025 08:15	1.09	7.97	3.92	10.98	81.93	31.57	16.59
05-02-2025 08:30	1.11	8.10	4.10	11.04	80.72	31.57	17.49
05-02-2025 08:45	1.11	8.01	4.05	10.84	80.23	31.55	17.13
05-02-2025 09:00	1.10	7.93	3.99	11.03	80.23	31.41	17.37
05-02-2025 09:15	1.09	7.78	3.92	11.01	80.23	31.41	15.53
05-02-2025 09:30	1.07	8.07	3.83	11.12	84.12	31.41	16.58
05-02-2025 09:45	1.08	7.99	3.89	11.39	85.70	30.66	16.70
05-02-2025 10:00	1.09	8.04	3.95	11.51	85.70	26.19	15.05
05-02-2025 10:15	1.10	7.98	3.99	11.01	85.70	26.19	15.33
05-02-2025 10:30	1.12	8.07	4.16	10.48	75.85	26.19	15.58
05-02-2025 10:45	1.09	8.18	3.94	10.86	71.85	26.70	16.31
05-02-2025 11:00	1.10	8.00	4.01	11.10	71.85	29.76	14.46
05-02-2025 11:15	1.11	8.07	4.08	10.39	71.85	29.76	14.09
05-02-2025 11:30	1.12	8.00	4.12	11.05	73.06	29.76	15.11
05-02-2025 11:45	1.10	7.94	3.99	10.97	73.54	29.11	15.93
05-02-2025 12:00	1.11	8.07	4.06	11.05	73.54	25.29	14.43
05-02-2025 12:15	1.14	7.92	4.28	10.84	73.54	25.29	14.91
05-02-2025 12:30	1.11	7.92	4.06	11.06	64.97	25.29	14.72
05-02-2025 12:45	1.11	7.97	4.10	11.02	61.49	25.42	15.35
05-02-2025 13:00	1.07	8.06	3.80	11.22	61.49	26.17	13.98
05-02-2025 13:15	1.11	7.96	4.04	11.27	61.49	26.17	14.78
05-02-2025 13:30	1.09	7.90	3.90	10.89	62.60	26.17	14.97
05-02-2025 13:45	1.12	8.06	4.16	10.74	63.05	25.37	16.18
05-02-2025 14:00	1.08	8.01	3.85	11.20	63.05	20.59	13.68
05-02-2025 14:15	1.10	8.03	4.00	11.02	63.05	20.59	12.76
05-02-2025 14:30	1.10	7.92	3.99	10.99	60.06	20.59	13.45
05-02-2025 14:45	1.10	7.97	4.01	11.87	58.85	20.19	14.32



05-02-2025 15:00	1.11	8.27	4.04	10.37	58.85	17.83	13.92
05-02-2025 15:15	1.10	7.98	4.01	10.94	58.85	17.83	13.63
05-02-2025 15:30	1.11	8.28	4.07	11.23	59.00	17.83	13.92
05-02-2025 15:45	1.10	8.08	4.03	11.36	59.06	17.52	13.74
05-02-2025 16:00	1.09	8.00	3.94	10.98	59.06	15.69	13.80
05-02-2025 16:15	1.08	8.10	3.87	11.25	59.06	15.69	13.96
05-02-2025 16:30	1.10	7.87	4.00	11.01	62.52	15.69	13.57
05-02-2025 16:45	1.09	7.68	3.91	10.36	63.92	16.33	13.86
05-02-2025 17:00	1.11	7.83	4.09	10.91	63.92	20.10	13.21
05-02-2025 17:15	1.11	8.09	4.05	11.41	63.92	20.10	12.49
05-02-2025 17:30	1.08	7.94	3.87	10.92	68.81	20.10	13.34
05-02-2025 17:45	1.09	8.15	3.92	10.74	70.80	20.71	14.09
05-02-2025 18:00	1.13	7.81	4.18	10.78	70.80	24.36	13.15
05-02-2025 18:15	1.13	7.88	4.19	11.52	70.80	24.36	13.26
05-02-2025 18:30	1.11	8.04	4.07	11.22	63.10	24.36	13.72
05-02-2025 18:45	1.10	7.94	4.03	10.81	59.97	24.51	14.26
05-02-2025 19:00	1.08	8.02	3.89	11.07	59.97	25.39	13.27
05-02-2025 19:15	1.09	7.87	3.94	11.75	59.97	25.39	14.25
05-02-2025 19:30	1.10	8.14	3.98	10.64	70.77	25.39	14.32
05-02-2025 19:45	1.11	7.93	4.05	10.82	75.16	26.09	14.20
05-02-2025 20:00	1.05	8.24	3.67	10.94	75.16	30.25	13.88
05-02-2025 20:15	1.14	7.82	4.29	10.97	75.16	30.25	13.98
05-02-2025 20:30	1.11	7.78	4.09	10.87	85.32	30.25	15.21
05-02-2025 20:45	1.08	8.22	3.84	10.72	89.44	30.32	15.70
05-02-2025 21:00	1.10	7.99	4.03	11.07	89.44	30.73	14.08
05-02-2025 21:15	1.07	8.09	3.83	10.72	89.44	30.73	14.04
05-02-2025 21:30	1.11	8.21	4.05	11.24	90.00	30.73	15.66
05-02-2025 21:45	1.08	7.95	3.89	10.97	90.23	31.08	15.95
05-02-2025 22:00	1.12	7.94	4.10	10.95	90.23	33.13	14.26
05-02-2025 22:15	1.10	7.95	4.00	11.22	90.23	33.13	15.11
05-02-2025 22:30	1.11	8.21	4.09	11.07	101.37	33.13	14.87
05-02-2025 22:45	1.11	8.07	4.06	11.05	105.90	32.56	15.90
05-02-2025 23:00	1.10	8.21	4.02	10.89	105.90	29.17	14.59
05-02-2025 23:15	1.10	8.15	4.00	10.82	105.90	29.17	15.46
05-02-2025 23:30	1.09	7.87	3.91	10.94	93.24	29.17	15.71
05-02-2025 23:45	1.07	7.92	3.81	11.57	88.09	28.71	16.03
06-02-2025 00:00	1.11	8.00	4.06	10.81	88.09	26.01	15.19
06-02-2025 00:15	1.13	7.96	4.18	11.07	88.09	26.01	16.48
06-02-2025 00:30	1.09	7.94	3.95	10.95	85.10	26.01	10.95
06-02-2025 00:45	1.08	7.89	3.89	11.50	83.89	25.73	12.14
06-02-2025 01:00	1.11	8.08	4.09	10.75	83.89	24.12	11.39
06-02-2025 01:15	1.10	7.94	4.03	11.04	83.89	24.12	10.76
06-02-2025 01:30	1.09	8.04	3.94	11.03	66.97	24.12	11.44
06-02-2025 01:45	1.09	7.86	3.94	10.94	60.10	23.51	10.83
06-02-2025 02:00	1.12	8.13	4.12	11.21	60.10	19.58	10.86
06-02-2025 02:15	1.08	7.94	3.85	10.97	60.10	19.58	10.13
06-02-2025 02:30	1.12	8.11	4.13	11.36	67.46	19.58	10.61
06-02-2025 02:45	1.09	8.22	3.95	11.05	70.45	19.94	12.44
06-02-2025 03:00	1.11	7.91	4.08	10.28	70.45	22.27	11.22
06-02-2025 03:15	1.14	8.00	4.26	10.84	70.45	22.27	11.51



06-02-2025 03:30	1.12	8.05	4.14	11.59	65.47	22.27	12.94
06-02-2025 03:45	1.12	8.20	4.10	11.36	63.45	21.66	14.52
06-02-2025 04:00	1.08	7.98	3.86	10.91	63.45	17.75	13.59
06-02-2025 04:15	1.12	8.25	4.10	10.98	63.45	17.75	13.07
06-02-2025 04:30	1.10	7.92	4.03	11.32	56.45	17.75	13.31
06-02-2025 04:45	1.08	7.99	3.84	11.24	53.61	17.45	13.84
06-02-2025 05:00	1.09	7.92	3.92	11.03	53.61	15.52	14.63
06-02-2025 05:15	1.08	7.88	3.88	10.98	53.61	15.52	13.46
06-02-2025 05:30	1.08	7.89	3.84	11.12	63.86	15.52	14.75
06-02-2025 05:45	1.12	7.95	4.15	11.36	68.03	16.74	14.79
06-02-2025 06:00	1.09	7.86	3.96	11.05	68.03	24.67	15.10
06-02-2025 06:15	1.12	8.22	4.12	11.10	68.03	24.67	14.70
06-02-2025 06:30	1.08	8.01	3.84	10.89	54.80	24.67	15.81
06-02-2025 06:45	1.14	7.91	4.29	10.82	49.42	23.96	17.04
06-02-2025 07:00	1.13	7.90	4.20	10.94	49.42	19.32	15.10
06-02-2025 07:15	1.11	7.92	4.07	10.91	49.42	19.32	15.85
06-02-2025 07:30	1.10	7.94	4.00	10.69	49.42	19.32	16.33
06-02-2025 07:45	1.08	8.10	3.85	10.76	49.42	19.73	16.13
06-02-2025 08:00	1.09	7.97	3.95	11.12	49.42	22.40	16.24
06-02-2025 08:15	1.10	7.96	3.98	11.03	49.42	22.40	14.68
06-02-2025 08:30	1.10	7.97	3.97	10.74	55.10	22.40	16.36
06-02-2025 08:45	1.10	7.94	3.98	11.34	57.41	22.63	16.91
06-02-2025 09:00	1.10	8.20	3.99	10.53	57.41	24.10	16.05
06-02-2025 09:15	1.13	7.90	4.19	10.83	57.41	24.10	16.17
06-02-2025 09:30	1.10	7.99	3.99	11.67	51.14	24.10	15.88
06-02-2025 09:45	1.08	7.95	3.87	11.06	48.60	24.01	15.91
06-02-2025 10:00	1.11	7.87	4.04	11.04	48.60	23.43	15.20
06-02-2025 10:15	1.13	8.05	4.23	11.24	48.60	23.43	15.06
06-02-2025 10:30	1.10	8.12	3.98	11.03	56.81	23.43	15.89
06-02-2025 10:45	1.09	8.15	3.95	11.06	60.14	23.74	15.73
06-02-2025 11:00	1.08	8.04	3.83	11.08	60.14	25.71	14.58
06-02-2025 11:15	1.10	8.13	3.98	11.39	60.14	25.71	14.43
06-02-2025 11:30	1.08	7.93	3.89	11.24	53.88	25.71	15.43
06-02-2025 11:45	1.14	8.14	4.23	10.85	51.34	26.09	15.49
06-02-2025 12:00	1.11	7.96	4.08	11.31	51.34	28.54	14.94
06-02-2025 12:15	1.09	7.87	3.91	10.73	51.34	28.54	14.53
06-02-2025 12:30	1.10	8.01	4.01	11.18	53.67	28.54	14.69
06-02-2025 12:45	1.08	7.85	3.88	11.09	54.63	27.54	15.69
06-02-2025 13:00	1.09	7.86	3.91	11.44	54.63	21.02	13.88
06-02-2025 13:15	1.07	8.28	3.82	11.42	54.63	21.02	13.56
06-02-2025 13:30	1.11	7.76	4.06	10.97	50.30	21.02	13.34
06-02-2025 13:45	1.08	8.13	3.88	11.64	48.55	20.57	14.50
06-02-2025 14:00	1.09	8.14	3.96	11.25	48.55	17.66	11.91
06-02-2025 14:15	1.14	7.82	4.23	11.16	48.55	17.66	11.89
06-02-2025 14:30	1.08	7.99	3.84	11.45	48.71	17.66	12.59
06-02-2025 14:45	1.10	8.04	4.02	11.01	48.78	17.48	12.33
06-02-2025 15:00	1.09	8.09	3.92	11.18	48.78	16.37	11.79
06-02-2025 15:15	1.13	7.87	4.17	10.71	48.78	16.37	11.75
06-02-2025 15:30	1.09	8.09	3.96	11.13	56.73	16.37	12.13
06-02-2025 15:45	1.11	8.07	4.10	10.98	59.96	16.84	11.86



06-02-2025 16:00	1.10	7.87	3.98	10.46	59.96	19.61	12.07
06-02-2025 16:15	1.10	7.99	4.02	11.07	59.96	19.61	12.35
06-02-2025 16:30	1.10	8.07	4.00	11.05	60.26	19.61	12.59
06-02-2025 16:45	1.12	7.93	4.12	10.79	60.38	19.21	12.18
06-02-2025 17:00	1.11	8.00	4.07	11.37	60.38	16.83	11.02
06-02-2025 17:15	1.10	7.79	3.98	11.27	60.38	16.83	11.74
06-02-2025 17:30	1.08	8.14	3.88	11.29	45.56	16.83	12.26
06-02-2025 17:45	1.09	8.07	3.95	10.59	39.54	16.93	12.38
06-02-2025 18:00	1.07	7.84	3.78	10.59	39.54	17.56	12.02
06-02-2025 18:15	1.12	8.29	4.12	10.78	39.54	17.56	10.89
06-02-2025 18:30	1.11	8.02	4.09	11.43	40.77	17.56	11.53
06-02-2025 18:45	1.13	7.92	4.20	10.91	41.26	17.38	12.51
06-02-2025 19:00	1.09	8.20	3.92	10.80	41.26	16.18	12.49
06-02-2025 19:15	1.09	8.25	3.92	10.77	41.26	16.18	12.40
06-02-2025 19:30	1.10	7.84	4.00	11.14	51.94	16.18	12.47
06-02-2025 19:45	1.08	7.85	3.89	10.02	56.28	16.73	12.93
06-02-2025 20:00	1.13	8.06	4.20	10.45	56.28	20.27	13.02
06-02-2025 20:15	1.12	8.11	4.15	11.03	56.28	20.27	13.03
06-02-2025 20:30	1.09	7.94	3.96	10.99	52.21	20.27	13.29
06-02-2025 20:45	1.11	7.89	4.07	10.75	50.56	21.05	14.51
06-02-2025 21:00	1.11	7.89	4.03	10.84	50.56	25.70	13.19
06-02-2025 21:15	1.09	8.24	3.90	10.44	50.56	25.70	13.17
06-02-2025 21:30	1.12	7.86	4.11	10.46	48.07	25.70	14.60
06-02-2025 21:45	1.11	7.94	4.07	10.74	47.06	24.90	15.43
06-02-2025 22:00	1.09	7.90	3.95	10.22	47.06	20.13	13.99
06-02-2025 22:15	1.11	8.02	4.05	10.91	47.06	20.13	14.41
06-02-2025 22:30	1.09	7.95	3.93	10.97	46.75	20.13	15.34
06-02-2025 22:45	1.13	7.76	4.17	10.78	46.63	19.87	16.20
06-02-2025 23:00	1.10	8.06	4.00	11.17	46.63	18.32	15.49
06-02-2025 23:15	1.10	8.08	3.98	10.92	46.63	18.32	15.43
06-02-2025 23:30	1.12	8.13	4.11	11.49	51.46	18.32	16.89
06-02-2025 23:45	1.11	8.22	4.08	11.29	53.43	19.06	17.68
07-02-2025 00:00	1.08	7.87	3.88	11.15	53.43	23.46	17.22
07-02-2025 00:15	1.10	8.09	4.02	10.69	53.43	23.46	17.74
07-02-2025 00:30	1.13	8.07	4.23	10.87	54.34	23.46	15.75
07-02-2025 00:45	1.12	8.12	4.12	10.93	54.71	24.19	15.68
07-02-2025 01:00	1.07	8.01	3.82	11.37	54.71	28.51	15.17
07-02-2025 01:15	1.10	8.05	3.98	11.10	54.71	28.51	14.86
07-02-2025 01:30	1.09	8.00	3.95	10.21	44.95	28.51	15.42
07-02-2025 01:45	1.09	8.15	3.91	11.14	40.98	27.51	16.22
07-02-2025 02:00	1.10	8.02	4.02	10.52	40.98	20.97	14.56
07-02-2025 02:15	1.13	8.04	4.18	10.91	40.98	20.97	14.04
07-02-2025 02:30	1.10	8.16	3.97	10.56	47.23	20.97	14.94
07-02-2025 02:45	1.10	7.91	3.98	11.42	49.77	21.20	15.08
07-02-2025 03:00	1.09	7.95	3.90	10.98	49.77	22.68	14.42
07-02-2025 03:15	1.09	8.10	3.93	11.16	49.77	22.68	16.22
07-02-2025 03:30	1.06	7.97	3.76	11.18	36.70	22.68	16.86
07-02-2025 03:45	1.13	7.86	4.23	10.90	31.39	22.08	17.37
07-02-2025 04:00	1.09	8.22	3.95	11.22	31.39	18.18	17.68
07-02-2025 04:15	1.10	7.84	4.00	10.93	31.39	18.18	18.27



07-02-2025 04:30	1.07	8.02	3.80	11.31	33.46	18.18	18.08
07-02-2025 04:45	1.10	7.91	3.97	11.07	34.30	18.27	18.92
07-02-2025 05:00	1.10	7.87	3.97	11.13	34.30	18.75	18.21
07-02-2025 05:15	1.10	7.73	3.98	10.98	34.30	18.75	18.18
07-02-2025 05:30	1.11	8.05	4.05	10.81	34.63	18.75	19.78
07-02-2025 05:45	1.11	8.02	4.06	11.72	34.76	18.94	19.65
07-02-2025 06:00	1.13	7.87	4.23	10.41	34.76	20.15	20.35
07-02-2025 06:15	1.08	8.07	3.88	11.27	34.76	20.15	20.23
07-02-2025 06:30	1.07	7.99	3.83	11.33	39.70	20.15	20.45
07-02-2025 06:45	1.09	8.04	3.96	11.18	41.71	20.57	21.08
07-02-2025 07:00	1.10	8.21	4.01	11.90	41.71	23.33	20.47
07-02-2025 07:15	1.08	8.09	3.84	10.94	41.71	23.33	20.25
07-02-2025 07:30	1.07	7.70	3.83	11.21	50.09	23.33	21.01
07-02-2025 07:45	1.08	8.20	3.85	11.08	53.50	23.57	21.18
07-02-2025 08:00	1.08	7.92	3.86	11.20	53.50	25.19	21.08
07-02-2025 08:15	1.09	7.91	3.92	10.83	53.50	25.19	21.43
07-02-2025 08:30	1.13	8.13	4.17	10.86	60.37	25.19	22.01
07-02-2025 08:45	1.11	7.91	4.06	11.57	63.16	24.84	21.61
07-02-2025 09:00	1.12	8.08	4.12	10.75	63.16	21.09	21.09
07-02-2025 09:15	1.11	8.09	4.08	11.14	63.16	21.09	19.42
07-02-2025 09:30	1.09	7.91	3.95	11.10	62.91	21.09	18.99
07-02-2025 09:45	1.09	8.15	3.91	10.75	62.81	21.61	19.69
07-02-2025 10:00	1.12	7.97	4.14	10.50	62.81	24.72	20.35
07-02-2025 10:15	1.09	8.02	3.91	11.02	62.81	24.72	20.74
07-02-2025 10:30	1.09	8.01	3.91	11.31	63.61	24.72	20.38
07-02-2025 10:45	1.10	8.12	3.97	11.09	63.94	24.81	20.61
07-02-2025 11:00	1.11	8.21	4.05	10.73	63.94	25.31	19.61
07-02-2025 11:15	1.10	7.88	3.97	11.16	63.94	25.31	18.70
07-02-2025 11:30	1.13	7.76	4.18	10.80	54.36	25.31	19.11
07-02-2025 11:45	1.10	8.10	4.02	10.90	50.48	25.31	18.85
07-02-2025 12:00	1.10	8.00	4.03	11.29	50.48	25.32	18.12
07-02-2025 12:15	1.14	7.89	4.27	10.72	50.48	25.32	17.13
07-02-2025 12:30	1.08	8.05	3.89	10.81	51.96	25.32	17.76
07-02-2025 12:45	1.08	8.01	3.89	11.08	52.57	24.57	17.29
07-02-2025 13:00	1.07	7.83	3.78	10.96	52.57	20.18	17.24
07-02-2025 13:15	1.11	8.06	4.08	10.86	52.57	20.18	17.04
07-02-2025 13:30	1.11	7.94	4.06	10.79	49.58	20.18	16.39
07-02-2025 13:45	1.09	7.94	3.95	10.85	48.36	19.76	17.54
07-02-2025 14:00	1.12	7.85	4.11	11.15	48.36	17.25	14.81
07-02-2025 14:15	1.07	8.23	3.78	10.97	48.36	17.25	14.25
07-02-2025 14:30	1.12	7.91	4.10	10.75	40.97	17.25	14.84
07-02-2025 14:45	1.10	8.06	4.02	11.16	37.97	17.21	14.97
07-02-2025 15:00	1.09	7.98	3.94	11.26	37.97	16.94	14.11
07-02-2025 15:15	1.10	7.99	4.00	11.49	37.97	16.94	14.59
07-02-2025 15:30	1.09	7.94	3.94	11.05	33.39	16.94	15.41
07-02-2025 15:45	1.12	8.07	4.13	10.94	31.52	16.73	16.26
07-02-2025 16:00	1.11	7.88	4.05	10.59	31.52	15.49	14.73
07-02-2025 16:15	1.12	8.09	4.16	10.77	31.52	15.49	15.08
07-02-2025 16:30	1.14	8.08	4.24	11.03	30.42	15.49	15.13
07-02-2025 16:45	1.08	7.97	3.87	11.11	29.97	15.40	15.04



07-02-2025 17:00	1.09	8.13	3.97	11.72	29.97	14.86	13.81
07-02-2025 17:15	1.15	8.13	4.35	10.77	29.97	14.86	13.36
07-02-2025 17:30	1.11	8.14	4.07	10.95	33.45	14.86	14.22
07-02-2025 17:45	1.13	8.03	4.21	11.16	34.86	14.92	14.60
07-02-2025 18:00	1.13	7.84	4.19	10.63	34.86	15.28	13.38
07-02-2025 18:15	1.08	8.19	3.87	11.27	34.86	15.28	14.13
07-02-2025 18:30	1.07	7.90	3.81	11.35	36.02	15.28	14.39
07-02-2025 18:45	1.11	8.06	4.05	11.09	36.50	16.53	15.26
07-02-2025 19:00	1.11	8.15	4.08	11.17	36.50	23.96	14.46
07-02-2025 19:15	1.10	7.72	3.97	10.38	36.50	23.96	14.82
07-02-2025 19:30	1.09	8.11	3.96	10.98	43.00	23.96	16.22
07-02-2025 19:45	1.08	8.00	3.84	10.73	45.64	23.29	15.56
07-02-2025 20:00	1.06	7.95	3.76	11.54	45.64	19.34	14.94
07-02-2025 20:15	1.09	8.01	3.91	10.99	45.64	19.34	14.11
07-02-2025 20:30	1.10	7.91	4.02	10.92	38.12	19.34	15.28
07-02-2025 20:45	1.11	8.09	4.09	11.18	35.06	19.25	15.35
07-02-2025 21:00	1.06	8.09	3.75	11.22	35.06	18.72	15.24
07-02-2025 21:15	1.11	7.89	4.07	11.14	35.06	18.72	15.20
07-02-2025 21:30	1.10	7.94	3.97	10.84	38.16	18.72	15.90
07-02-2025 21:45	1.10	8.06	4.00	10.62	39.42	19.14	16.34
07-02-2025 22:00	1.13	8.07	4.17	11.20	39.42	21.62	15.43
07-02-2025 22:15	1.08	7.91	3.89	11.40	39.42	21.62	15.14
07-02-2025 22:30	1.07	8.03	3.77	10.88	35.01	21.62	16.47
07-02-2025 22:45	1.14	8.01	4.24	10.88	33.22	21.11	16.50
07-02-2025 23:00	1.10	7.84	4.00	10.91	33.22	18.09	15.87
07-02-2025 23:15	1.14	7.95	4.27	11.28	33.22	18.09	16.04
07-02-2025 23:30	1.10	8.24	4.00	10.69	34.22	18.09	17.18
07-02-2025 23:45	1.11	8.29	4.04	11.27	34.63	18.22	17.92
08-02-2025 00:00	1.09	8.19	3.96	11.33	34.63	19.01	17.78
08-02-2025 00:15	1.11	7.93	4.06	11.12	34.63	19.01	16.07
08-02-2025 00:30	1.11	7.98	4.08	10.69	39.76	19.01	16.99
08-02-2025 00:45	1.11	7.94	4.04	10.59	41.85	18.67	17.05
08-02-2025 01:00	1.10	7.91	3.99	11.41	41.85	18.62	14.65
08-02-2025 01:15	1.09	7.98	3.90	11.04	41.85	16.62	15.57
08-02-2025 01:30	1.11	8.06	4.06	10.76	37.69	16.62	15.52
08-02-2025 01:45	1.10	7.89	3.98	10.40	36.00	17.10	16.47
08-02-2025 02:00	1.09	8.01	3.97	10.91	36.00	20.28	14.56
08-02-2025 02:15	1.13	7.98	4.19	10.83	36.00	20.28	13.85
08-02-2025 02:30	1.11	8.11	4.05	11.44	37.55	20.28	13.78
08-02-2025 02:45	1.10	7.98	4.01	11.12	38.18	19.91	15.43
08-02-2025 03:00	1.15	7.95	4.34	10.95	38.18	17.57	15.56
08-02-2025 03:15	1.11	8.06	4.06	10.42	38.18	17.57	16.49
08-02-2025 03:30	1.11	8.06	4.09	11.30	25.46	17.57	17.09
08-02-2025 03:45	1.09	7.90	3.94	10.89	20.29	17.56	15.93
08-02-2025 04:00	1.13	8.09	4.19	10.74	20.29	17.50	16.52
08-02-2025 04:15	1.10	7.86	3.98	11.03	20.29	17.50	17.69
08-02-2025 04:30	1.10	8.19	3.98	11.31	27.69	17.50	17.57
08-02-2025 04:45	1.11	8.09	4.10	11.64	30.69	17.25	17.85
08-02-2025 05:00	1.11	7.82	4.09	10.69	30.69	15.66	18.09
08-02-2025 05:15	1.11	7.80	4.06	10.98	30.69	15.66	19.49



08-02-2025 05:30	1.14	7.89	4.23	11.52	26.30	15.66	20.92
08-02-2025 05:45	1.10	7.75	4.01	10.77	24.52	16.54	20.79
08-02-2025 06:00	1.09	8.10	3.94	10.79	24.52	22.30	19.07
08-02-2025 06:15	1.10	7.95	3.97	11.04	24.52	22.30	19.40
08-02-2025 06:30	1.10	7.70	4.01	10.88	31.12	22.30	19.87
08-02-2025 06:45	1.12	8.08	4.16	11.16	33.81	21.69	20.82
08-02-2025 07:00	1.09	8.10	3.97	10.84	33.81	17.78	19.62
08-02-2025 07:15	1.07	8.01	3.80	10.92	33.81	17.78	19.08
08-02-2025 07:30	1.10	7.82	4.01	11.01	38.62	17.78	19.16
08-02-2025 07:45	1.11	8.04	4.08	11.01	40.57	18.32	19.73
08-02-2025 08:00	1.08	8.16	3.89	10.75	40.57	21.82	18.65
08-02-2025 08:15	1.08	8.04	3.86	11.59	40.57	21.82	20.25
08-02-2025 08:30	1.14	8.12	4.29	10.75	42.44	21.82	19.84
08-02-2025 08:45	1.12	7.94	4.12	11.29	43.20	21.71	20.55
08-02-2025 09:00	1.13	7.93	4.20	11.24	43.20	20.98	19.81
08-02-2025 09:15	1.08	8.22	3.88	11.35	43.20	20.98	18.85
08-02-2025 09:30	1.08	8.14	3.88	10.74	40.83	20.98	18.79
08-02-2025 09:45	1.11	8.01	4.07	11.43	39.87	21.21	20.51
08-02-2025 10:00	1.06	8.22	3.74	11.33	39.87	22.72	19.73
08-02-2025 10:15	1.08	7.89	3.86	10.97	39.87	22.72	20.07
08-02-2025 10:30	1.11	7.90	4.06	11.14	45.30	22.72	19.44
08-02-2025 10:45	1.12	8.14	4.11	11.14	47.51	22.24	20.67
08-02-2025 11:00	1.09	8.13	3.95	11.40	47.51	19.11	18.88
08-02-2025 11:15	1.11	8.01	4.04	11.01	47.51	19.11	17.92
08-02-2025 11:30	1.07	8.21	3.79	10.95	41.16	19.11	18.71
08-02-2025 11:45	1.08	8.15	3.86	11.20	38.59	18.74	17.97
08-02-2025 12:00	1.10	7.94	4.03	10.67	38.59	16.37	17.14
08-02-2025 12:15	1.09	7.89	3.93	10.88	38.59	16.37	17.26
08-02-2025 12:30	1.11	7.94	4.05	10.53	40.67	16.37	17.03
08-02-2025 12:45	1.11	7.79	4.09	11.40	41.52	16.24	18.02
08-02-2025 13:00	1.11	7.88	4.08	10.69	41.52	15.42	16.13
08-02-2025 13:15	1.09	7.96	3.96	10.66	41.52	15.42	16.43
08-02-2025 13:30	1.07	8.06	3.80	11.48	44.41	15.42	17.05
08-02-2025 13:45	1.08	7.97	3.89	11.55	45.59	15.82	17.87
08-02-2025 14:00	1.13	8.09	4.18	11.03	45.59	18.17	14.46
08-02-2025 14:15	1.10	7.94	4.01	10.96	45.59	18.17	13.37
08-02-2025 14:30	1.10	8.10	3.97	11.35	35.70	18.17	13.97
08-02-2025 14:45	1.05	8.12	3.65	10.85	31.69	17.91	14.17
08-02-2025 15:00	1.07	8.07	3.78	11.32	31.69	16.24	12.59
08-02-2025 15:15	1.10	8.11	3.98	10.66	31.69	16.24	13.84
08-02-2025 15:30	1.10	7.89	4.03	10.35	40.73	16.24	14.48
08-02-2025 15:45	1.08	7.98	3.89	11.27	44.40	16.29	14.45
08-02-2025 16:00	1.09	7.95	3.96	10.83	44.40	16.56	13.20
08-02-2025 16:15	1.08	8.14	3.84	10.91	44.40	16.56	13.06
08-02-2025 16:30	1.12	7.93	4.12	10.86	28.94	16.56	13.38
08-02-2025 16:45	1.11	8.12	4.09	10.95	22.66	16.61	13.98
08-02-2025 17:00	1.11	8.05	4.08	10.26	22.66	16.95	13.81
08-02-2025 17:15	1.10	8.06	3.98	11.07	22.66	16.95	12.87
08-02-2025 17:30	1.10	8.10	4.01	11.34	29.58	16.95	14.15
08-02-2025 17:45	1.11	8.03	4.09	11.02	32.38	16.98	14.58



08-02-2025 18:00	1.15	7.88	4.35	10.79	32.38	17.18	12.94
08-02-2025 18:15	1.12	8.01	4.12	11.33	32.38	17.18	14.01
08-02-2025 18:30	1.10	8.34	4.00	10.87	35.52	17.18	14.22
08-02-2025 18:45	1.16	8.01	4.39	10.79	36.80	17.85	15.12
08-02-2025 19:00	1.10	8.11	3.99	11.04	36.80	21.81	13.60
08-02-2025 19:15	1.11	8.00	4.04	11.56	36.80	21.81	13.66
08-02-2025 19:30	1.08	8.06	3.90	11.05	47.77	21.81	13.96
08-02-2025 19:45	1.09	7.99	3.92	10.82	52.23	21.75	15.35
08-02-2025 20:00	1.10	7.90	3.98	11.41	52.23	21.43	13.54
08-02-2025 20:15	1.12	7.94	4.14	11.34	52.23	21.43	13.62
08-02-2025 20:30	1.09	7.95	3.91	11.24	58.06	21.43	14.63
08-02-2025 20:45	1.13	8.04	4.20	11.12	60.43	21.86	14.62
08-02-2025 21:00	1.12	7.85	4.11	11.30	60.43	24.43	13.32
08-02-2025 21:15	1.12	7.78	4.11	10.46	60.43	24.43	13.71
08-02-2025 21:30	1.11	8.15	4.09	10.94	54.79	24.43	15.55
08-02-2025 21:45	1.10	7.67	4.02	11.48	52.50	23.94	15.21
08-02-2025 22:00	1.10	8.06	4.02	11.07	52.50	20.99	14.12
08-02-2025 22:15	1.08	7.99	3.87	10.87	52.50	20.99	13.95
08-02-2025 22:30	1.12	8.09	4.15	11.32	65.12	20.99	15.04
08-02-2025 22:45	1.09	8.01	3.96	11.59	70.24	21.17	15.74
08-02-2025 23:00	1.10	8.20	3.98	10.94	70.24	22.24	15.12
08-02-2025 23:15	1.08	8.14	3.85	11.15	70.24	22.24	15.72
08-02-2025 23:30	1.11	7.97	4.06	10.99	73.95	22.24	15.59
08-02-2025 23:45	1.11	8.04	4.04	10.76	75.46	22.31	15.73
09-02-2025 00:00	1.07	8.12	3.80	11.65	75.46	22.70	14.94
09-02-2025 00:15	1.11	8.08	4.09	10.88	75.46	22.70	14.62
09-02-2025 00:30	1.06	7.98	3.75	11.60	65.47	22.70	16.71
09-02-2025 00:45	1.08	8.02	3.86	10.96	61.41	22.74	18.21
09-02-2025 01:00	1.12	8.11	4.12	10.90	61.41	23.03	16.00
09-02-2025 01:15	1.11	7.99	4.05	10.96	61.41	23.03	16.14
09-02-2025 01:30	1.11	7.80	4.04	10.98	55.12	23.03	17.01
09-02-2025 01:45	1.08	7.82	3.89	11.14	52.57	23.45	18.18
09-02-2025 02:00	1.09	7.86	3.90	10.83	52.57	26.19	15.94
09-02-2025 02:15	1.08	7.94	3.89	11.16	52.57	26.19	14.50
09-02-2025 02:30	1.10	7.88	4.02	10.95	52.45	26.19	15.24
09-02-2025 02:45	1.09	7.97	3.93	10.96	52.40	25.43	16.47
09-02-2025 03:00	1.10	8.06	4.01	10.73	52.40	20.50	16.45
09-02-2025 03:15	1.08	7.84	3.87	10.49	52.40	20.50	16.59
09-02-2025 03:30	1.11	7.87	4.09	11.31	44.39	20.50	16.26
09-02-2025 03:45	1.09	8.09	3.95	11.24	41.13	20.27	18.19
09-02-2025 04:00	1.09	7.98	3.93	11.25	41.13	18.77	16.99
09-02-2025 04:15	1.10	7.95	3.99	11.65	41.13	18.77	17.36
09-02-2025 04:30	1.07	8.02	3.80	11.39	37.43	18.77	18.75
09-02-2025 04:45	1.09	8.04	3.94	10.35	35.93	19.41	19.58
09-02-2025 05:00	1.10	7.97	4.00	11.03	35.93	23.54	19.13
09-02-2025 05:15	1.11	8.06	4.05	11.25	35.93	23.54	18.48
09-02-2025 05:30	1.10	8.06	4.00	11.09	37.82	23.54	18.97
09-02-2025 05:45	1.10	7.85	3.97	11.19	38.59	22.85	19.52
09-02-2025 06:00	1.08	7.93	3.87	11.37	38.59	18.75	18.78
09-02-2025 06:15	1.08	8.00	3.89	11.03	38.59	18.75	19.10



09-02-2025 06:30	1.13	7.97	4.18	11.24	35.18	18.75	19.99
09-02-2025 06:45	1.07	8.05	3.81	11.28	33.80	18.56	21.79
09-02-2025 07:00	1.13	7.94	4.20	11.23	33.80	17.35	20.91
09-02-2025 07:15	1.09	8.03	3.93	11.27	33.80	17.35	21.25
09-02-2025 07:30	1.12	8.06	4.16	11.27	41.26	17.35	21.82
09-02-2025 07:45	1.07	8.10	3.82	11.17	44.30	17.94	22.16
09-02-2025 08:00	1.10	7.94	4.03	11.02	44.30	21.79	20.28
09-02-2025 08:15	1.12	7.98	4.12	10.56	44.30	21.79	20.10
09-02-2025 08:30	1.10	7.92	4.02	10.50	47.59	21.79	20.17
09-02-2025 08:45	1.13	7.91	4.18	11.29	48.93	21.60	20.18
09-02-2025 09:00	1.10	8.02	4.01	11.26	48.93	20.34	18.40
09-02-2025 09:15	1.10	7.97	4.01	10.73	48.93	20.34	19.17
09-02-2025 09:30	1.11	8.03	4.05	10.94	48.85	20.34	19.15
09-02-2025 09:45	1.10	8.12	4.02	10.73	48.82	20.32	19.29
09-02-2025 10:00	1.11	8.05	4.04	11.19	48.82	20.19	17.65
09-02-2025 10:15	1.09	8.10	3.94	11.00	48.82	20.19	19.07
09-02-2025 10:30	1.10	8.03	4.03	11.26	50.98	20.19	18.49
09-02-2025 10:45	1.10	7.79	4.02	10.84	51.86	20.84	18.28
09-02-2025 11:00	1.10	8.08	4.01	10.84	51.86	25.08	17.40
09-02-2025 11:15	1.10	8.05	3.98	11.32	51.86	25.08	16.90
09-02-2025 11:30	1.09	8.03	3.93	11.13	54.12	25.08	17.44
09-02-2025 11:45	1.06	7.88	3.72	10.80	55.04	24.57	17.37
09-02-2025 12:00	1.10	7.99	3.98	10.84	55.04	21.22	17.51
09-02-2025 12:15	1.08	7.94	3.89	10.51	55.04	21.22	17.01
09-02-2025 12:30	1.10	7.96	4.00	10.61	48.56	21.22	16.70
09-02-2025 12:45	1.12	7.83	4.15	10.45	45.92	21.44	17.44
09-02-2025 13:00	1.08	7.87	3.90	10.89	45.92	22.88	16.58
09-02-2025 13:15	1.11	8.15	4.05	11.19	45.92	22.88	15.19
09-02-2025 13:30	1.05	7.84	3.67	11.37	41.52	22.88	16.49
09-02-2025 13:45	1.08	7.90	3.89	11.16	39.74	22.32	16.71
09-02-2025 14:00	1.10	8.07	3.97	11.05	39.74	18.99	14.91
09-02-2025 14:15	1.10	8.03	3.97	11.37	39.74	18.99	12.40
09-02-2025 14:30	1.08	8.02	3.85	10.74	45.64	18.99	12.97
09-02-2025 14:45	1.08	7.96	3.86	10.91	48.04	18.59	13.98
09-02-2025 15:00	1.13	8.32	4.17	11.26	48.04	16.22	13.11
09-02-2025 15:15	1.09	7.92	3.91	11.23	48.04	16.22	13.46
09-02-2025 15:30	1.09	7.97	3.96	10.58	40.78	16.22	14.26
09-02-2025 15:45	1.11	8.04	4.07	11.28	37.83	16.16	14.32
09-02-2025 16:00	1.10	7.97	4.00	11.20	37.83	15.86	13.75
09-02-2025 16:15	1.10	7.90	4.00	10.73	37.83	15.86	14.87
09-02-2025 16:30	1.09	7.90	3.91	11.18	38.63	15.86	14.58
09-02-2025 16:45	1.10	8.02	3.99	10.61	38.96	15.76	14.18
09-02-2025 17:00	1.10	8.03	3.99	11.50	38.96	15.14	13.60
09-02-2025 17:15	1.07	7.94	3.83	10.82	38.96	15.14	13.70
09-02-2025 17:30	1.10	7.96	4.01	10.94	42.22	15.14	13.69
09-02-2025 17:45	1.13	7.87	4.23	11.46	43.54	15.06	13.92
09-02-2025 18:00	1.14	8.06	4.25	11.47	43.54	14.58	13.75
09-02-2025 18:15	1.11	8.17	4.07	10.64	43.54	14.58	13.05
09-02-2025 18:30	1.10	7.80	4.02	10.97	41.52	14.58	14.48
09-02-2025 18:45	1.11	8.08	4.05	10.77	40.70	15.01	13.99



09-02-2025 19:00	1.10	8.00	4.02	10.88	40.70	17.56	13.04
09-02-2025 19:15	1.08	7.73	3.90	11.27	40.70	17.56	13.83
09-02-2025 19:30	1.09	8.24	3.93	11.45	47.83	17.56	14.20
09-02-2025 19:45	1.08	8.01	3.85	11.07	50.73	18.01	14.79
09-02-2025 20:00	1.11	7.97	4.05	10.89	50.73	20.66	14.33
09-02-2025 20:15	1.09	8.10	3.92	10.68	50.73	20.66	14.90
09-02-2025 20:30	1.07	7.94	3.82	11.08	60.70	20.66	15.39
09-02-2025 20:45	1.11	7.97	4.04	11.21	64.75	21.22	15.15
09-02-2025 21:00	1.11	8.03	4.06	11.72	64.75	24.51	14.18
09-02-2025 21:15	1.08	8.06	3.88	10.83	64.75	24.51	14.48
09-02-2025 21:30	1.10	8.01	4.02	10.83	66.39	24.51	14.81
09-02-2025 21:45	1.09	8.01	3.90	10.83	67.05	24.86	15.43
09-02-2025 22:00	1.13	8.16	4.20	10.85	67.05	26.97	15.82
09-02-2025 22:15	1.08	8.06	3.88	11.22	67.05	26.97	15.92
09-02-2025 22:30	1.11	8.14	4.05	10.89	59.25	26.97	16.62
09-02-2025 22:45	1.10	8.08	4.03	11.25	56.08	26.03	17.20
09-02-2025 23:00	1.11	8.03	4.05	10.74	56.08	20.46	17.61
09-02-2025 23:15	1.09	8.02	3.90	10.70	56.08	20.46	16.70
09-02-2025 23:30	1.10	7.83	3.99	11.42	58.94	20.46	16.80
09-02-2025 23:45	1.10	8.19	3.97	11.08	60.10	20.78	17.39
10-02-2025 00:00	1.06	8.04	3.75	11.26	60.10	22.85	17.41
10-02-2025 00:15	1.12	8.14	4.13	10.93	60.10	22.65	17.36
10-02-2025 00:30	1.08	7.79	3.89	10.56	51.09	22.65	13.34
10-02-2025 00:45	1.11	7.89	4.07	11.14	47.43	23.28	14.74
10-02-2025 01:00	1.12	7.83	4.13	10.60	47.43	27.00	13.03
10-02-2025 01:15	1.08	7.76	3.86	11.18	47.43	27.00	12.13
10-02-2025 01:30	1.11	8.01	4.07	11.13	37.66	27.00	12.98
10-02-2025 01:45	1.07	7.82	3.83	10.82	33.69	26.14	13.76
10-02-2025 02:00	1.12	7.88	4.15	10.73	33.69	20.53	12.01
10-02-2025 02:15	1.09	8.05	3.92	11.18	33.69	20.53	11.51
10-02-2025 02:30	1.10	8.10	4.03	11.08	44.73	20.53	12.13
10-02-2025 02:45	1.07	8.21	3.82	11.13	49.21	20.14	12.79
10-02-2025 03:00	1.08	7.94	3.88	10.79	49.21	17.54	11.40
10-02-2025 03:15	1.09	8.00	3.93	11.31	49.21	17.54	11.70
10-02-2025 03:30	1.08	8.06	3.90	11.04	42.26	17.54	13.46
10-02-2025 03:45	1.12	8.01	4.13	10.98	39.43	17.38	14.98
10-02-2025 04:00	1.09	8.15	3.95	11.30	39.43	16.34	13.56
10-02-2025 04:15	1.10	7.96	3.99	11.07	39.43	16.34	14.42
10-02-2025 04:30	1.08	8.13	3.84	10.74	41.77	16.34	14.65
10-02-2025 04:45	1.09	8.02	3.93	11.00	42.73	16.61	14.90
10-02-2025 05:00	1.10	8.00	4.03	11.11	42.73	18.42	15.07
10-02-2025 05:15	1.12	7.82	4.12	11.09	42.73	18.42	15.16
10-02-2025 05:30	1.08	7.92	3.90	11.02	41.03	18.42	15.56
10-02-2025 05:45	1.10	7.96	4.00	11.52	40.34	18.30	15.63
10-02-2025 06:00	1.09	8.01	3.91	10.95	40.34	17.50	15.33
10-02-2025 06:15	1.08	7.73	3.89	10.89	40.34	17.50	14.93
10-02-2025 06:30	1.10	7.87	3.98	10.84	38.76	17.50	16.17
10-02-2025 06:45	1.10	7.89	3.98	10.61	38.12	18.05	16.55
10-02-2025 07:00	1.13	8.02	4.18	11.22	38.12	21.64	15.13
10-02-2025 07:15	1.12	8.08	4.10	10.48	38.12	21.64	16.14



10-02-2025 07:30	1.10	8.15	4.02	10.33	38.58	21.64	17.99
10-02-2025 07:45	1.07	7.94	3.79	11.01	38.77	21.30	17.61
10-02-2025 08:00	1.10	8.12	4.03	11.12	38.77	19.26	16.79
10-02-2025 08:15	1.08	7.98	3.86	10.99	38.77	19.26	16.10
10-02-2025 08:30	1.09	7.89	3.94	11.13	39.81	19.26	16.53
10-02-2025 08:45	1.07	8.04	3.83	11.53	40.23	20.36	16.13
10-02-2025 09:00	1.06	7.77	3.73	10.91	40.23	27.52	15.49
10-02-2025 09:15	1.09	8.09	3.93	10.39	40.23	27.52	15.29
10-02-2025 09:30	1.13	8.00	4.21	10.76	43.46	27.52	16.29
10-02-2025 09:45	1.13	8.18	4.18	11.85	44.77	26.66	16.87
10-02-2025 10:00	1.12	8.00	4.10	10.84	44.77	21.08	15.28
10-02-2025 10:15	1.09	7.78	3.94	11.15	44.77	21.08	15.30
10-02-2025 10:30	1.12	7.98	4.11	10.74	49.08	21.08	16.56
10-02-2025 10:45	1.11	7.84	4.07	10.57	50.84	20.75	16.58
10-02-2025 11:00	1.09	8.03	3.93	11.46	50.84	18.55	14.77
10-02-2025 11:15	1.15	8.05	4.34	11.09	50.84	18.55	14.79
10-02-2025 11:30	1.11	7.77	4.05	11.00	44.57	18.55	15.13
10-02-2025 11:45	1.11	8.22	4.09	11.06	42.03	19.08	15.63
10-02-2025 12:00	1.09	7.93	3.96	11.29	42.03	22.54	14.77
10-02-2025 12:15	1.09	8.17	3.94	10.93	42.03	22.54	14.52
10-02-2025 12:30	1.11	8.03	4.07	10.95	45.82	22.54	15.25
10-02-2025 12:45	1.12	7.92	4.15	10.82	47.36	22.09	14.39
10-02-2025 13:00	1.12	8.02	4.13	11.19	47.36	19.12	14.24
10-02-2025 13:15	1.10	8.05	3.99	10.79	47.36	19.12	13.04
10-02-2025 13:30	1.10	8.10	3.98	11.04	44.68	19.12	12.76
10-02-2025 13:45	1.10	7.86	4.01	11.48	43.59	19.26	13.93
10-02-2025 14:00	1.11	8.00	4.09	10.94	43.59	20.20	12.73
10-02-2025 14:15	1.08	8.13	3.90	10.96	43.59	20.20	10.88
10-02-2025 14:30	1.11	8.08	4.08	10.66	41.77	20.20	11.98
10-02-2025 14:45	1.11	7.97	4.03	11.19	41.04	20.70	12.00
10-02-2025 15:00	1.09	8.21	3.92	11.15	41.04	23.95	11.51
10-02-2025 15:15	1.09	7.96	3.96	11.30	41.04	23.95	10.93
10-02-2025 15:30	1.13	8.08	4.23	10.78	39.48	23.95	12.62
10-02-2025 15:45	1.07	8.12	3.81	10.77	38.85	23.19	13.05
10-02-2025 16:00	1.11	8.14	4.07	11.07	38.85	18.65	11.84
10-02-2025 16:15	1.11	8.21	4.05	11.25	38.85	18.65	11.75
10-02-2025 16:30	1.06	8.15	3.75	11.14	38.84	18.65	11.77
10-02-2025 16:45	1.06	7.98	3.76	11.22	38.84	18.68	12.45
10-02-2025 17:00	1.10	8.21	4.02	11.09	38.84	18.87	11.37
10-02-2025 17:15	1.09	8.06	3.95	10.62	38.84	18.87	11.63
10-02-2025 17:30	1.09	7.90	3.95	10.83	37.11	18.87	11.12
10-02-2025 17:45	1.09	7.97	3.93	10.97	36.41	18.48	12.28
10-02-2025 18:00	1.11	7.96	4.05	11.14	36.41	16.20	11.80
10-02-2025 18:15	1.11	7.88	4.08	10.64	36.41	16.20	11.10
10-02-2025 18:30	1.06	7.99	3.74	11.14	50.13	16.20	12.29
10-02-2025 18:45	1.12	8.31	4.11	10.47	55.70	17.45	12.56
10-02-2025 19:00	1.10	8.05	4.03	10.92	55.70	24.86	11.99
10-02-2025 19:15	1.11	8.00	4.09	10.99	55.70	24.86	11.78
10-02-2025 19:30	1.09	8.00	3.90	11.17	104.82	24.86	13.06
10-02-2025 19:45	1.14	8.06	4.25	11.41	124.77	25.56	12.29



10-02-2025 20:00	1.13	8.21	4.19	11.08	124.77	29.68	11.70
10-02-2025 20:15	1.11	8.05	4.04	10.57	124.77	29.68	11.85
10-02-2025 20:30	1.07	7.91	3.79	11.05	111.02	29.68	11.97
10-02-2025 20:45	1.11	8.13	4.10	11.45	105.43	30.09	13.04
10-02-2025 21:00	1.12	8.34	4.13	10.84	105.43	32.51	12.49
10-02-2025 21:15	1.11	8.13	4.06	11.14	105.43	32.51	11.28
10-02-2025 21:30	1.10	8.09	4.03	11.35	96.72	32.51	12.23
10-02-2025 21:45	1.10	8.08	4.02	10.66	93.18	31.98	12.72
10-02-2025 22:00	1.10	7.90	4.01	10.33	93.18	28.86	11.82
10-02-2025 22:15	1.08	7.87	3.87	11.08	93.18	28.86	12.30
10-02-2025 22:30	1.11	8.02	4.07	11.39	91.52	28.86	12.49
10-02-2025 22:45	1.09	8.00	3.94	10.82	90.84	28.54	13.97
10-02-2025 23:00	1.07	8.15	3.80	11.08	90.84	26.64	12.58
10-02-2025 23:15	1.11	8.12	4.04	10.88	90.84	26.64	12.84
10-02-2025 23:30	1.10	8.14	3.98	11.26	81.25	26.64	14.26
10-02-2025 23:45	1.12	7.97	4.11	11.49	77.36	27.02	15.18
11-02-2025 00:00	1.10	8.15	4.02	11.04	77.36	29.25	13.46
11-02-2025 00:15	1.08	7.91	3.90	10.27	77.36	29.25	14.67
11-02-2025 00:30	1.08	7.86	3.89	10.74	74.62	29.25	15.09
11-02-2025 00:45	1.11	8.09	4.05	11.53	73.51	28.22	15.73
11-02-2025 01:00	1.09	8.28	3.95	11.49	73.51	22.12	13.23
11-02-2025 01:15	1.14	7.89	4.30	10.93	73.51	22.12	13.90
11-02-2025 01:30	1.11	8.02	4.09	10.55	65.62	22.12	14.20
11-02-2025 01:45	1.08	8.19	3.84	10.79	62.78	22.22	14.65
11-02-2025 02:00	1.09	7.86	3.95	10.51	62.78	22.82	14.07
11-02-2025 02:15	1.06	8.05	3.75	11.21	62.78	22.82	12.55
11-02-2025 02:30	1.09	8.09	3.90	10.90	56.19	22.82	13.07
11-02-2025 02:45	1.10	7.83	3.98	11.06	53.51	22.90	12.68
11-02-2025 03:00	1.09	7.94	3.93	10.37	53.51	23.44	13.31
11-02-2025 03:15	1.11	8.05	4.04	10.60	53.51	23.44	13.29
11-02-2025 03:30	1.10	8.30	3.98	10.47	42.91	23.44	14.95
11-02-2025 03:45	1.10	7.89	3.98	10.91	38.61	23.20	16.41
11-02-2025 04:00	1.09	7.95	3.94	11.04	38.61	21.63	14.96
11-02-2025 04:15	1.13	7.87	4.17	10.44	38.61	21.63	15.97
11-02-2025 04:30	1.09	7.92	3.96	10.33	40.46	21.63	16.65
11-02-2025 04:45	1.08	8.05	3.86	11.40	41.21	22.35	17.06
11-02-2025 05:00	1.12	7.77	4.11	11.42	41.21	26.63	16.76
11-02-2025 05:15	1.06	8.02	3.73	11.15	41.21	26.63	15.84
11-02-2025 05:30	1.12	7.81	4.15	10.76	41.14	26.63	17.45
11-02-2025 05:45	1.10	7.99	4.02	10.59	41.12	25.81	17.87
11-02-2025 06:00	1.10	8.18	3.99	10.74	41.12	20.92	16.65
11-02-2025 06:15	1.12	7.78	4.13	11.01	41.12	20.92	16.88
11-02-2025 06:30	1.08	8.09	3.89	10.87	39.16	20.92	17.93
11-02-2025 06:45	1.09	7.78	3.95	10.95	38.36	20.94	18.39
11-02-2025 07:00	1.08	7.99	3.87	11.06	38.36	21.03	17.81
11-02-2025 07:15	1.12	7.95	4.16	10.50	38.36	21.03	18.27
11-02-2025 07:30	1.10	7.73	3.98	10.40	36.73	21.03	17.96
11-02-2025 07:45	1.13	8.07	4.21	11.19	36.06	20.57	18.05
11-02-2025 08:00	1.11	8.16	4.07	11.05	36.06	17.84	17.80
11-02-2025 08:15	1.09	7.96	3.92	10.88	36.06	17.84	17.33



11-02-2025 08:30	1.09	7.96	3.96	10.87	41.74	17.84	18.35
11-02-2025 08:45	1.09	8.07	3.91	11.42	44.04	18.77	18.39
11-02-2025 09:00	1.10	8.08	3.97	10.71	44.04	24.29	17.20
11-02-2025 09:15	1.14	7.99	4.27	11.32	44.04	24.29	16.75
11-02-2025 09:30	1.06	7.91	3.76	11.61	42.43	24.29	16.92
11-02-2025 09:45	1.08	8.23	3.86	11.37	41.77	23.62	17.31
11-02-2025 10:00	1.10	7.87	4.00	10.95	41.77	19.64	16.17
11-02-2025 10:15	1.05	7.96	3.69	10.98	41.77	19.64	15.69
11-02-2025 10:30	1.10	7.85	4.00	10.90	39.80	19.64	17.06
11-02-2025 10:45	1.10	8.14	4.01	11.21	39.00	19.48	16.81
11-02-2025 11:00	1.10	7.90	4.01	10.92	39.00	18.50	15.54
11-02-2025 11:15	1.10	7.88	3.99	11.06	39.00	18.50	16.44
11-02-2025 11:30	1.10	8.00	3.99	11.08	39.27	18.50	16.57
11-02-2025 11:45	1.09	7.96	3.91	10.80	39.38	18.43	17.04
11-02-2025 12:00	1.12	7.86	4.12	10.97	39.38	18.01	15.62
11-02-2025 12:15	1.11	7.97	4.09	11.26	39.38	18.01	15.62
11-02-2025 12:30	1.09	8.01	3.96	11.19	39.85	18.01	16.20
11-02-2025 12:45	1.09	7.95	3.94	10.92	40.04	17.72	15.88
11-02-2025 13:00	1.08	8.09	3.88	10.87	40.04	16.02	15.23
11-02-2025 13:15	1.12	8.07	4.11	10.50	40.04	16.02	14.51
11-02-2025 13:30	1.09	7.89	3.92	11.59	35.43	16.02	15.23
11-02-2025 13:45	1.12	7.87	4.11	10.91	33.55	15.94	16.08
11-02-2025 14:00	1.11	8.02	4.06	11.52	33.55	15.50	13.29
11-02-2025 14:15	1.11	8.06	4.06	10.66	33.55	15.50	12.57
11-02-2025 14:30	1.12	7.97	4.16	10.84	32.00	15.50	13.31
11-02-2025 14:45	1.09	7.96	3.91	11.38	31.36	16.17	13.09
11-02-2025 15:00	1.14	8.19	4.25	10.43	31.36	20.14	12.48
11-02-2025 15:15	1.12	8.17	4.15	10.72	31.36	20.14	13.05
11-02-2025 15:30	1.12	7.99	4.15	11.11	34.10	20.14	14.16
11-02-2025 15:45	1.10	8.11	4.02	10.24	35.22	19.77	13.85
11-02-2025 16:00	1.10	7.94	4.01	11.36	35.22	17.58	13.82
11-02-2025 16:15	1.09	8.12	3.93	11.10	35.22	17.58	13.17
11-02-2025 16:30	1.06	8.12	3.74	11.28	38.50	17.58	14.98
11-02-2025 16:45	1.13	7.95	4.20	10.85	39.83	17.41	14.58
11-02-2025 17:00	1.11	8.14	4.06	10.56	39.83	16.37	13.07
11-02-2025 17:15	1.09	8.00	3.93	10.70	39.83	16.37	13.16
11-02-2025 17:30	1.09	8.04	3.93	12.00	46.15	16.37	14.56
11-02-2025 17:45	1.11	7.94	4.08	11.47	48.72	16.42	14.37
11-02-2025 18:00	1.10	8.16	4.01	11.05	48.72	16.75	13.20
11-02-2025 18:15	1.13	7.91	4.17	11.45	48.72	16.75	14.23
11-02-2025 18:30	1.10	8.01	3.99	10.56	43.81	16.75	14.64
11-02-2025 18:45	1.07	8.10	3.82	11.14	41.82	17.22	14.70
11-02-2025 19:00	1.06	7.96	3.73	11.12	41.82	19.99	12.93
11-02-2025 19:15	1.11	7.65	4.08	11.12	41.82	19.99	12.93
11-02-2025 19:30	1.10	8.11	4.01	10.86	45.45	19.99	13.99
11-02-2025 19:45	1.05	8.00	3.64	10.45	46.93	19.89	14.15
11-02-2025 20:00	1.09	7.97	3.92	10.91	46.93	19.29	13.03
11-02-2025 20:15	1.11	7.92	4.08	10.99	46.93	19.29	12.98
11-02-2025 20:30	1.13	8.02	4.23	10.53	51.64	19.29	14.05
11-02-2025 20:45	1.12	7.94	4.12	11.19	53.56	20.11	14.13



11-02-2025 21:00	1.05	8.07	3.69	10.90	53.56	24.96	13.24
11-02-2025 21:15	1.09	8.01	3.93	11.03	53.56	24.96	13.21
11-02-2025 21:30	1.10	8.07	4.00	10.52	49.11	24.96	13.65
11-02-2025 21:45	1.08	8.31	3.86	11.57	47.31	24.71	14.34
11-02-2025 22:00	1.08	8.00	3.84	11.47	47.31	23.22	14.90
11-02-2025 22:15	1.08	7.97	3.88	10.96	47.31	23.22	14.24
11-02-2025 22:30	1.11	7.96	4.05	10.68	57.79	23.22	15.07
11-02-2025 22:45	1.10	7.82	4.01	10.93	62.05	23.09	15.97
11-02-2025 23:00	1.11	7.96	4.05	10.83	62.05	22.34	14.44
11-02-2025 23:15	1.14	8.18	4.29	10.57	62.05	22.34	15.54
11-02-2025 23:30	1.11	7.85	4.10	10.88	60.57	22.34	16.13
11-02-2025 23:45	1.11	8.19	4.07	11.31	59.96	22.18	16.04
12-02-2025 00:00	1.10	7.86	4.01	10.72	59.96	21.23	15.88
12-02-2025 00:15	1.11	7.95	4.07	11.16	59.96	21.23	16.25
12-02-2025 00:30	1.13	7.88	4.22	11.07	48.04	21.23	13.22
12-02-2025 00:45	1.10	7.84	4.03	11.11	43.19	21.20	13.25
12-02-2025 01:00	1.09	8.05	3.91	11.08	43.19	20.99	13.45
12-02-2025 01:15	1.07	8.18	3.81	11.36	43.19	20.99	13.02
12-02-2025 01:30	1.12	7.90	4.12	11.07	46.40	20.99	13.64
12-02-2025 01:45	1.07	8.09	3.77	10.65	47.70	20.52	14.29
12-02-2025 02:00	1.11	8.00	4.08	11.37	47.70	17.49	13.04
12-02-2025 02:15	1.10	8.18	3.99	10.92	47.70	17.49	11.39
12-02-2025 02:30	1.10	8.11	3.97	10.98	43.52	17.49	12.93
12-02-2025 02:45	1.10	8.09	4.03	10.86	41.82	17.85	12.45
12-02-2025 03:00	1.11	8.12	4.04	10.83	41.82	19.96	12.37
12-02-2025 03:15	1.12	7.97	4.11	11.29	41.82	19.96	14.13
12-02-2025 03:30	1.15	8.00	4.30	11.65	38.28	19.96	14.47
12-02-2025 03:45	1.08	8.07	3.85	11.64	36.84	20.75	14.91
12-02-2025 04:00	1.11	8.16	4.04	10.64	36.84	25.87	14.37
12-02-2025 04:15	1.09	8.09	3.94	11.38	36.84	25.87	14.56
12-02-2025 04:30	1.08	8.06	3.89	10.98	37.68	25.87	15.31
12-02-2025 04:45	1.11	8.12	4.10	11.14	38.03	25.78	15.99
12-02-2025 05:00	1.08	7.81	3.85	10.78	38.03	25.17	15.76
12-02-2025 05:15	1.07	7.90	3.83	10.90	38.03	25.17	15.91
12-02-2025 05:30	1.08	7.77	3.88	11.45	33.90	25.17	16.19
12-02-2025 05:45	1.13	7.94	4.19	11.38	32.23	24.35	16.48
12-02-2025 06:00	1.12	8.34	4.10	10.81	32.23	19.48	16.93
12-02-2025 06:15	1.12	8.03	4.12	10.75	32.23	19.48	16.19
12-02-2025 06:30	1.08	8.00	3.87	10.90	42.16	19.48	16.82
12-02-2025 06:45	1.09	7.97	3.93	11.60	46.20	19.95	16.89
12-02-2025 07:00	1.12	8.04	4.12	11.39	46.20	22.72	17.26
12-02-2025 07:15	1.11	8.14	4.04	11.14	46.20	22.72	16.81
12-02-2025 07:30	1.11	7.83	4.07	11.66	42.06	22.72	16.98
12-02-2025 07:45	1.09	8.03	3.94	11.10	40.38	22.13	16.32
12-02-2025 08:00	1.11	8.03	4.08	11.34	40.38	18.63	16.97
12-02-2025 08:15	1.09	7.80	3.92	11.16	40.38	18.63	16.32
12-02-2025 08:30	1.08	7.87	3.90	10.85	46.91	18.63	17.51
12-02-2025 08:45	1.08	8.01	3.87	11.74	49.56	18.40	17.97
12-02-2025 09:00	1.08	8.03	3.87	10.93	49.56	17.04	18.07
12-02-2025 09:15	1.11	8.22	4.05	10.95	49.56	17.04	17.69



12-02-2025 09:30	1.10	8.08	4.02	10.75	50.80	17.04	18.07
12-02-2025 09:45	1.09	7.96	3.93	11.19	51.30	18.26	17.30
12-02-2025 10:00	1.10	8.23	4.00	10.85	51.30	25.53	16.22
12-02-2025 10:15	1.07	7.94	3.80	11.10	51.30	25.53	16.30
12-02-2025 10:30	1.11	8.10	4.07	10.58	49.28	25.53	16.67
12-02-2025 10:45	1.12	8.13	4.11	10.62	48.46	24.89	17.09
12-02-2025 11:00	1.09	7.80	3.95	10.60	48.46	21.11	16.75
12-02-2025 11:15	1.12	7.99	4.13	10.99	48.46	21.11	15.24
12-02-2025 11:30	1.08	7.86	3.90	11.60	44.73	21.11	16.31
12-02-2025 11:45	1.10	8.06	3.99	11.30	43.21	20.68	17.12
12-02-2025 12:00	1.06	7.79	3.74	10.89	43.21	18.11	15.55
12-02-2025 12:15	1.13	7.96	4.17	10.71	43.21	18.11	15.04
12-02-2025 12:30	1.11	8.09	4.04	11.57	38.75	18.11	15.17
12-02-2025 12:45		8.06	30.51	10.26	36.93	18.38	16.19
12-02-2025 13:00	1.09	7.99	74.90	10.37	36.93	20.32	14.19
12-02-2025 13:15	1.11	7.93	4.03	11.14	36.93	20.32	14.19
12-02-2025 13:30	1.09	8.12	3.96	11.24	33.81	20.32	14.96
12-02-2025 13:45	1.10	8.02	3.99	10.75	32.55	19.98	15.59
12-02-2025 14:00	1.08	8.09	3.94	11.54	32.55	17.60	13.09
12-02-2025 14:15	1.07	8.02	3.90	11.19	32.55	17.60	12.76
12-02-2025 14:30	1.10	8.15	4.00	10.97	32.70	17.60	12.62
12-02-2025 14:45	1.10	8.01	4.01	10.75	32.76	17.33	13.44
12-02-2025 15:00	1.13	7.98	4.12	10.83	32.76	15.54	11.83
12-02-2025 15:15	1.07	8.14	3.91	10.91	32.76	15.54	13.56
12-02-2025 15:30	1.12	8.18	4.06	10.86	31.35	15.54	14.15
12-02-2025 15:45	1.12	8.00	4.05	11.15	30.77	15.74	14.05
12-02-2025 16:00	1.08	8.07	3.95	10.73	30.77	17.05	12.74
12-02-2025 16:15	1.07	8.08	3.90	10.63	30.77	17.05	13.67
12-02-2025 16:30	1.10	8.01	4.00	10.96	42.74	17.05	13.84
12-02-2025 16:45	1.10	7.89	4.01	10.86	47.59	16.89	13.96
12-02-2025 17:00	1.08	7.99	3.94	10.92	47.59	15.89	13.80
12-02-2025 17:15	1.09	7.94	3.96	10.94	47.59	15.89	12.70
12-02-2025 17:30	1.11	8.01	4.04	10.97	53.39	15.89	13.33
12-02-2025 17:45	1.11	7.97	4.03	10.47	55.74	16.08	14.29
12-02-2025 18:00	1.10	8.03	3.99	11.21	55.74	19.11	12.74
12-02-2025 18:15	1.08	8.11	3.93	10.89	55.74	47.59	12.18
12-02-2025 18:30	1.09	8.10	3.97	10.51	51.97	50.24	11.31
12-02-2025 18:45	1.11	8.09	4.02	10.56	50.43	48.22	11.66
12-02-2025 19:00	1.10	8.05	4.00	10.79	50.43	35.07	11.18
12-02-2025 19:15	1.07	8.05	3.90	10.90	50.43	35.07	12.95
12-02-2025 19:30	1.07	7.95	3.90	11.44	49.62	35.07	12.68
12-02-2025 19:45	1.09	8.04	3.98	10.88	49.29	34.69	13.51
12-02-2025 20:00	1.13	8.16	4.09	10.53	49.29	32.21	13.44
12-02-2025 20:15	1.12	8.26	4.08	11.04	49.29	32.21	12.79
12-02-2025 20:30	1.11	7.95	4.05	10.73	61.11	32.21	14.31
12-02-2025 20:45	1.09	8.07	3.98	10.67	65.91	31.94	14.53
12-02-2025 21:00	1.11	8.10	4.04	10.82	65.91	30.15	12.39
12-02-2025 21:15	1.11	7.88	4.02	10.48	65.91	30.15	12.65
12-02-2025 21:30	1.07	8.00	3.90	11.19	58.87	30.15	14.05
12-02-2025 21:45	1.11	8.08	4.03	10.72	56.01	29.39	14.78



23

12-02-2025 22:00	1.12	7.81	4.08	11.21	56.01	24.51	14.68
12-02-2025 22:15	1.09	7.98	3.95	10.97	56.01	24.51	14.44
12-02-2025 22:30	1.09	7.98	3.97	11.23	59.62	24.51	14.38
12-02-2025 22:45	1.08	8.23	3.93	10.71	61.08	24.36	14.09
12-02-2025 23:00	1.08	7.93	3.94	11.09	61.08	23.38	13.32
12-02-2025 23:15	1.11	7.92	4.03	10.78	61.08	23.38	14.36
12-02-2025 23:30	1.11	7.87	4.02	10.62	58.10	23.38	14.08
12-02-2025 23:45	1.08	8.09	3.94	11.03	56.89	22.84	16.04
13-02-2025 00:00	1.12	8.02	4.08	10.82	56.89	19.37	14.55
13-02-2025 00:15	1.12	8.02	4.02	10.87	56.89	19.37	15.43
13-02-2025 00:30	1.09	8.02	3.96	10.45	57.35	19.37	14.19
13-02-2025 00:45	1.09	7.99	3.88	11.24	57.54	20.27	13.51
13-02-2025 01:00	1.08	7.96	3.95	10.97	57.54	26.11	12.42
13-02-2025 01:15	1.08	7.97	3.97	10.70	57.54	26.11	13.58
13-02-2025 01:30	1.11	7.94	3.93	10.98	60.42	26.11	12.82
13-02-2025 01:45	1.11	8.07	4.02	10.46	61.59	25.27	13.83
13-02-2025 02:00	1.12	7.93	4.05	11.17	61.59	19.78	13.16
13-02-2025 02:15	1.10	7.81	4.01	10.94	61.59	19.78	10.90
13-02-2025 02:30	1.10	7.66	4.01	10.86	49.65	19.78	12.22
13-02-2025 02:45	1.06	8.04	3.87	10.78	44.79	19.69	13.74
13-02-2025 03:00	1.09	8.05	3.98	10.97	44.79	19.06	13.30
13-02-2025 03:15	1.11	7.96	4.03	10.67	44.79	19.06	12.72
13-02-2025 03:30	1.10	7.96	3.99	11.42	47.20	19.06	13.61
13-02-2025 03:45	1.12	8.00	4.07	10.82	48.17	18.73	13.95
13-02-2025 04:00	1.10	7.99	3.99	10.92	48.17	16.58	14.52
13-02-2025 04:15	1.09	7.91	3.97	11.12	48.17	16.58	15.81
13-02-2025 04:30	1.14	7.93	4.13	11.21	39.98	16.58	14.99
13-02-2025 04:45	1.12	8.06	4.06	10.41	36.65	16.71	16.39
13-02-2025 05:00	1.09	8.07	3.98	10.80	36.65	17.53	15.42
13-02-2025 05:15	1.09	7.81	3.95	11.52	36.65	17.53	16.04
13-02-2025 05:30	1.09	8.01	3.96	10.84	37.87	17.53	16.97
13-02-2025 05:45	1.10	7.82	4.00	11.23	38.37	17.78	18.17
13-02-2025 06:00	1.13	7.95	4.11	11.12	38.37	19.38	17.30
13-02-2025 06:15	1.10	8.08	3.99	10.95	38.37	19.38	17.76
13-02-2025 06:30	1.07	8.21	3.89	10.91	42.17	19.38	18.15
13-02-2025 06:45	1.08	8.05	3.95	10.97	43.72	19.35	18.42
13-02-2025 07:00	1.12	7.90	4.07	10.54	43.72	19.22	18.51
13-02-2025 07:15	1.09	7.88	3.96	10.75	43.72	19.22	17.65
13-02-2025 07:30	1.10	7.94	3.99	11.08	45.24	19.22	18.00
13-02-2025 07:45	1.11	8.17	4.02	11.17	45.85	18.97	19.30
13-02-2025 08:00	1.10	7.90	3.99	10.92	45.85	17.37	18.49
13-02-2025 08:15	1.10	7.99	4.01	10.70	45.85	17.37	18.06
13-02-2025 08:30	1.10	8.02	3.99	10.55	43.44	17.37	18.32
13-02-2025 08:45	1.11	7.98	4.02	10.71	42.46	17.93	19.28
13-02-2025 09:00	1.08	8.14	3.92	11.19	42.46	21.61	18.11
13-02-2025 09:15	1.12	8.07	4.07	11.08	42.46	21.61	17.46
13-02-2025 09:30	1.12	8.01	4.08	11.32	39.91	21.61	17.69
13-02-2025 09:45	1.07	7.96	3.91	10.71	38.87	21.11	18.66
13-02-2025 10:00	1.10	8.00	4.01	10.92	38.87	18.18	16.55
13-02-2025 10:15	1.08	8.10	3.94	11.01	38.87	18.18	18.00



13-02-2025 10:30	1.09	7.88	3.98	11.39	39.39	18.18	18.59
13-02-2025 10:45	1.07	8.05	3.90	10.62	39.61	17.84	17.84
13-02-2025 11:00	1.10	7.94	4.01	11.58	39.61	15.85	16.98
13-02-2025 11:15	1.04	7.81	3.81	10.73	39.61	15.85	16.50
13-02-2025 11:30	1.10	7.97	4.01	10.71	38.36	15.85	17.31
13-02-2025 11:45	1.11	7.96	4.03	11.37	37.85	15.76	17.27
13-02-2025 12:00	1.08	8.03	3.93	10.56	37.85	15.20	15.97
13-02-2025 12:15	1.10	8.24	3.98	11.29	37.85	15.20	15.65
13-02-2025 12:30	1.09	7.89	3.98	10.96	50.40	15.20	16.10
13-02-2025 12:45	1.09	8.20	3.98	11.20	55.49	16.46	15.76
13-02-2025 13:00	1.11	8.07	4.05	10.86	55.49	23.91	14.32
13-02-2025 13:15	1.09	8.10	3.96	11.57	55.49	23.91	14.19
13-02-2025 13:30	1.07	7.95	3.91	11.06	64.78	23.91	13.84
13-02-2025 13:45	1.07	7.87	3.90	10.88	68.56	23.33	14.46
13-02-2025 14:00	1.14	8.08	4.14	10.70	68.56	19.87	11.98
13-02-2025 14:15	1.12	8.14	4.08	11.10	68.56	19.87	12.06
13-02-2025 14:30	1.09	8.00	3.95	11.70	52.21	19.87	12.22
13-02-2025 14:45	1.10	8.17	4.00	10.86	45.56	19.46	13.66
13-02-2025 15:00	1.09	8.12	3.97	11.28	45.56	17.03	12.01
13-02-2025 15:15	1.13	8.24	4.11	11.04	45.56	17.03	12.05
13-02-2025 15:30	1.10	8.04	4.01	10.97	46.15	17.03	12.78
13-02-2025 15:45	1.08	8.16	3.94	11.09	46.38	16.87	13.50
13-02-2025 16:00	1.11	8.28	4.03	10.32	46.38	15.94	11.70
13-02-2025 16:15	1.12	7.87	4.05	10.97	46.38	15.94	11.73
13-02-2025 16:30	1.13	7.83	4.11	10.79	41.83	15.94	12.31
13-02-2025 16:45	1.11	7.92	4.05	11.00	39.98	15.81	12.92

[Signature]
14/2/2025
(Sharad Kalhija)



कार्यालय उप प्रभागीय वनाधिकारी प्रयागराज, सामाजिक वानिकी प्रभाग, प्रयागराज।
पत्रांक २२३ / 22-10 दिनांक, प्रयागराज, फरवरी, 14 2025।

सेवा में,

प्रभागीय निदेशक,
सा0वा0 प्रभाग,
प्रयागराज।

विषय:- मा0 एन0जी0टी0 विचाराधीन ओ0ए0 नं0 617/2022 पुष्पेन्द्र बनाम स्टेट ऑफ यू0पी0 व अन्य में पारित आदेश दिनांक 22.05.2024 के अनुपालन के सम्बन्ध में।

सन्दर्भ:- प्रयागराज पावर जनरेशन का0लि0 बारा प्रयागराज का पत्रांक PPGCL/Bara/ ENV/483 दिनांक 17.01.2025।

महोदय,

उपरोक्त विषयक प्रकरण में अवगत कराना है कि ओरिजिनल अपलीकेशन संख्या 617/2022 पुष्पेन्द्र बनाम स्टेट ऑफ यू0पी0 व अन्य मा0 राष्ट्रीय हरित अधिकरण, नई दिल्ली में विचाराधीन है। विषयक अपलीकेशन में मा0 राष्ट्रीय हरित अधिकरण, नई दिल्ली द्वारा सुनवाई के उपरान्त दिनांक 22.04.2024 आदेश पारित किया गया है। तथा अल्ट्राटेक सीमेन्ट लिमिटेड/(U.T.C.L) उक्त के क्रम में प्रयागराज पावर जनरेशन का0लि0 बारा प्रयागराज द्वारा किये गये वृक्षारोपण/हरित पट्टिका की रिपोर्ट मय पालीगान मैप एवं रोपित पौधों की रिपोर्ट क्षेत्रीय वन अधिकारी शंकरगढ के माध्यम से इस कार्यालय को प्राप्त कराया गया है विवरण निम्नानुसार है-

प्रयागराज पावर जनरेशन कम्पनी लिमिटेड, /PPGCL

क्र0सं0	वर्ष	रोपित पौध संख्या	जीवित पौध संख्या	सफलता प्रतिशत
1	2011-12	17500	15500	88.6
2	2012-13	4411	3750	85.0
3	2013-14	91534	74143	81.0
4	2014-15	24113	20496	85.0
5	2015-16	8352	7016	84.0
6	2016-17	20090	17077	85.0
7	2017-18	44987	35990	80.0
8	2018-19	29458	24156	82.0
9	2019-20	33598	28390	84.5
10	2020-21	14500	12325	85.0
11	2021-22	25000	21625	86.5
12	2022-23	20526	17652	86.0
13	2023-24	14288	12859	90.0
14	2024-25	29018	27567	95.0
	कुल	377375		

1586

अल्ट्राटेक सीमेन्ट लिमिटेड / (U.T.C.L)

क्र०सं०	वर्ष	रोपित पौध संख्या	जीवित पौध संख्या	सफलता प्रतिशत
1	2019-20	14500	11500	79.0
2	2020-21	4000	3100	77.0
3	2021-22	4000	3070	76.76
4	2022-23	11775	10250	87.0
5	2023-24	1000	900	90.0
6	2024-25	12000	11500	95.8
	कुल	35,475		

अतः उपरोक्त के क्रम में क्षेत्रीय वन अधिकारी शंकरगढ़ प्रयागराज द्वारा उपलब्ध कराये गये वृक्षारोपण रिपोर्ट एवं स्थल का पालीगान मैप संलग्न कर श्रीगान जी की सेवा में सूचनार्थ एवं आवश्यक कार्यवाही हेतु प्रेषित है।

संलग्नक उपरोक्तानुसार

भद्रवीया
(संगीता)
उप प्रभागीय वनाधिकारी
प्रयागराज

PPGCL/Bara/ ENV/ 478

Date: 14.01.2025

To,

Divisional Director
Social Forestry
Forest Division
Prayagraj

Sub: Compliance of direction Issued by Hon'ble National Green Tribunal in O.A No. 617/2022 Pushendra vs. Government of Uttar Pradesh and others in order dated-22.05.2024.

Ref: Letter no-G01304/NGT OA.No.617/2022/2025 dated-03rd January 2025 from Regional Office U.P. Pollution Control Board, Prayagraj

Dear Sir,


With reference to the above-mentioned subject and letter no- G01304/NGT OA.No.617/2022/2025 dated-03rd January 2025 from Regional Office U.P. Pollution Control Board, Prayagraj, the details of plantation/green belt report is enclosed as Annexure-1.

This is for your information and record please.

Thanking You,

Sincerely

For Prayagraj Power Generation Company Limited


S H Pandey
Chief O & M Services

Cc: The Collector, Prayagraj

The Chief Environment Officer (Circle-2), UPPCB Lucknow

The Regional Officer, UPPCB Prayagraj

Prayagraj Power Generation Company Limited

Registered Office : Shatabdi Bhawan, B 12 & 13, Sector 4, Gautam Budh Nagar, Noida, Uttar Pradesh - 201301
Phone: + 91-120-6102000/6102208 CIN: U40101UP2007PLC032835

Plant Address : P.O. - Lohgara, Tehsil - Bara, Prayagraj (Allahabad), Uttar Pradesh - 212107
Phone: + 91-7525005400/ 8528846666, Web:-ppgcl.co.in, Email:-ppgcl@ppgcl.co.in

Prayagraj Power Generation Co. Ltd. Bara, Prayagraj					Annexure-1		
Plantation report & Plan							
Details of Green Belt Development							
Sl. No.	Month/Year	Area Location	Plant Species	Nos	Total Number of Sapling Planted	Total Number of Sapling Survived	Sapling Survival rate (%)
1	Year-2011-12	CHP, Township, School, DM Plant, Railway area, BTG area, L.Camp area	Neem	2100	17500	15500	88.6
			Pipal	700			
			Sheesham	2000			
			Karanj	2000			
			Jamun	1200			
			Arjun	1000			
			Chitwan	1000			
			Amaltas	1200			
			Amla	1000			
			Kadam	2000			
			Mango	1000			
			Cassia	500			
			Gulohar	800			
Bottle Brush	1000						
2	Year-2012-13	CHP, Township, School, DM Plant, Railway area, BTG area, L.Camp area	Neem	400	4411	3750	85.0
			Pipal	500			
			Sheesham	711			
			Karanj	400			
			Jamun	500			
			Arjun	500			
			Chitwan	300			
			Amaltas	600			
			Kadam	500			
3	Year-2013-14	CHP, Township, School, DM Plant, Railway area, BTG area, L.Camp area	Neem	7000	91534	74143	81
			Pipal	500			
			Sheesham	5000			
			Karanj	5000			
			Jamun	6000			
			Arjun	7000			
			Chitwan	1000			
			Amaltas	4000			
			Amla	3000			
			Kadam	7000			

			Mango	2000			
			Cassia	8000			
			Gulohar	8000			
			Bottle Brush	6000			
			Shagwan	10000			
			Kachnaar	12034			
4	Year-2014-15	CHP, Township, School, DM Plant, Railway area, BTG area, L.Camp area, 50 KT Silo	Chitwan	2000	24113	20496	85
			Amaltas	1000			
			Amla	900			
			Kadam	1000			
			Mango	100			
			Cassia	800			
			Gulohar	1000			
			Bottle Brush	1000			
			Shagwan	1000			
			Kachnaar	813			
			Neem	1000			
			Pipal	400			
			Sheesham	1000			
			Karanj	1500			
			Jamun	900			
			Arjun	1000			
			Ashok Sita	1000			
			Bamboo	5000			
			Foxtail Palm	1500			
			Siras	1200			
5	Year-2015-16	DM Plant, Railway area, BTG area, L.Camp area, 50 KT Silo, OHC, Old Camp Area, Grinding Unit	Kadam	500	8352	7016	84
			Mango	700			
			Cassia	800			
			Gulohar	1000			
			Bottle Brush	600			
			Shagwan	700			
			Kachnaar	500			
			Neem	448			
			Pipal	400			
			Sheesham	600			
			Karanj	1004			
			Jamun	600			
			Arjun	500			
6	Year-2016-17	Railway area, BTG area, L.Camp area, 50 KT	Siras	1500	20090	17077	85
			Mango	500			
			Cassia	1200			

		Silo,OHC,Old Camp Area,Grinding Unit	Gulohar	1500			
			Bottle Brush	800			
			Shagwan	1400			
			Kachnaar	1000			
			Neem	1000			
			Pipal	590			
			Sheesham	1400			
			Karanj	1200			
			Jamun	800			
			Arjun	1800			
			Ashok Sita	1200			
			Bamboo	2000			
			Foxtail Palm	800			
			Amaltas	1400			
7	Year-2017-18	CHP,Township, School,DM Plant,Railway area,BTG area,L.Camp area,50 KT Silo,Ash Pond area	Washingtonia Palm	2000	44987	35990	80
			Juniprush	1500			
			Bamboo	4000			
			Gulohar	2000			
			Bottle Brush	3200			
			Shagwan	3087			
			Kachnaar	2300			
			Neem	2000			
			Pipal	1700			
			Sheesham	2500			
			Karanj	2000			
			Jamun	1000			
			Arjun	2000			
			Ashok Sita	1800			
			Sisra	2000			
			Imli	2000			
			Mango	1000			
			Cassia	2000			
			Exora tall	2600			
			Mahua	1000			
			Guava	3300			
8	Year-2018-19	CHP,Township, School,DM Plant,Railway area,BTG area,L.Camp area,50 KT Silo,Ash Pond area	Karanj	1000	29458	24156	82
			Jamun	1600			
			Kadam	1000			
			Mango	500			
			Cassia	6500			
			imli	1800			

			Guava	2200			
			Arjun	1900			
			Chitwan	1800			
			Amaltas	2200			
			Amla	1000			
			Shagwan	1000			
			Bamboo	1000			
			Gulmohar	1000			
			Bottle Brush	500			
			Shagwan	1042			
			Kachnaar	1500			
			Neem	400			
			Pipal	516			
			Sheesham	1000			
9	Year- 2019-20	Township, School, DM Plant, Railway area, BTG area, L Camp area, 50 KT Silo, Ash Pond area, Plant Boundary	Arjun	1500	33598	78390	84.5
			Chitwan	1700			
			Amaltas	2000			
			Amla	1100			
			Shagwan	1600			
			Bamboo	2898			
			Gulmohar	800			
			Bottle Brush	1200			
			Shagwan	1800			
			Bargad	1000			
			Kachnaar	1600			
			Neem	1700			
			Pipal	1000			
			Sheesham	1800			
			Karanj	1500			
			Jamun	1500			
			Kadam	1800			
			Sahtoot	1000			
			Mango	400			
			Cassia	1000			
			imli	800			
			Pakar	2400			
			Mahua	2000			
10	Year- 2020-21	CHP, Plant area (Fire station, DM Plant, within plant), Hospital & School, Township, Horticulture	Amla	200	14500	12325	85
			Shagwan	1000			
			Bamboo	500			
			Gulmohar	800			
			Bottle Brush	200			

			Shagwan	1000			
			Kachnaar	500			
			Neem	1500			
			Pipal	500			
			Sheesham	1500			
			Karanj	1500			
			Jamun	1400			
			Kadam	1000			
			Mango	800			
			Cassia	800			
			imli	500			
			Guava	800			
11	Year-2021-22	CHP, Plant area (Fire station, DM Plant, within plant), Hospital & School, Township, Horticulture	Neem	3000	25000	21625	86.5
			Pipal	1000			
			Sheesham	2000			
			Karanj	1200			
			Jamun	1500			
			Kadam	2000			
			Mango	500			
			Cassia	1000			
			imli	500			
			Guava	800			
			Arjun	1000			
			Bargad	1000			
			Amaltas	1000			
			Amla	500			
			Shagwan	2000			
			Bamboo	4000			
			Gulmohar	1000			
			Kachnaar	1000			
12	Year-2022-23	Township, School, DM Plant, Railway area, BTG area, L. Camp area, 50 KT Silo, Ash Pond area, Plant Boundary, etc.	Bargad	1000	20526	17652	86
			Kachnaar	1000			
			Neem	1200			
			Pipal	500			
			Sheesham	2000			
			Karanj	1300			
			Jamun	500			
			Kadam	800			
			Mango	200			
			Cassia	600			
			imli	526			
			Guava	300			

			Arjun	700			
			Bargad	1000			
			Amaltas	1500			
			Amla	700			
			Shagwan	2000			
			Bamboo	3500			
			Gulmohar	1200			
13	Year-2023-24	Township, School,DM Plant,Railway area,BTG area,L.Camp area,50 KT Silo,Ash Pond area, Plant Boundary, CHP area, etc.	Kachnaar	500	14288	12859	90
			Neem	1500			
			Pipal	510			
			Sheesham	1500			
			Karanj	1500			
			Jamun	1400			
			Kadam	500			
			Mango	800			
			Cassia	800			
			imll	790			
			Guava	288			
			Amla	200			
			Conocarpas	1000			
			Shagwan	500			
			Bamboo	500			
			Gulmohar	800			
			Bottle Brush	200			
			Shagwan	1000			
14	Year-2024-25	Township, School,DM Plant,BTG area,50 KT Silo,Ash Pond-2 area, CHP area,Admin, Service Building,Hostels etc.	Jamun	1000	29018	27567	95
			Kadam	500			
			Mango	500			
			Cassia	500			
			imll	500			
			Guava	500			
			Arjun	1000			
			Bargad	1000			
			Amaltas	1000			
			Amla	800			
			Shagwan	1200			
			Bamboo	3918			
			Gulmohar	500			
			Kachnaar	8000			
			Neem	1000			
			Pipal	500			
			Sheesham	1000			

1594

			Karanj	700			
			Pakar	400			
			Conocarpas	1500			
			Juniprush	1000			
			Bottle Brush	1000			
			Washingtonia Palm	1000			
			Total			377375	

कार्यालय क्षेत्रीय वन अधिकारी शंकरगढ़ रेंज प्रयागराज
पत्रांक 47/154 दिनांक शंकरगढ़ रेंज 16, सितम्बर 2024

सेवा में

उप प्रभागीय वनाधिकारी

सा 0 वा 0 प्रभाग

प्रयागराज ।

विषय।-

अल्ड्राटेक सीमेन्ट लिमिटेड / (U.T.C.L) बारा प्रयागराज
पृष्कारोपण के सम्बन्ध में ।

संदर्भ:-

आपका पत्रांक 58/22-10 दिनांक 16.08.2024 ।

महोदया

उपरोक्त विषयक संदर्भित पत्र के क्रम में अवगत
कराना है कि शंकरगढ़ रेंज से मांगी गयी वांछित सूचना
संलग्नक आपकी सेवा में प्रेषित है ।

संलग्नक:- उपरोक्तानुसार ।

भवदीय



क्षेत्रीय वन अधिकारी
शंकरगढ़ रेंज-प्रयागराज

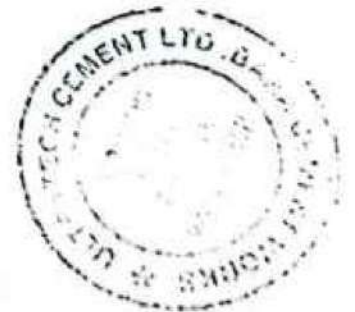
Plantation Report & PLAN;

Details of Green Belt Development

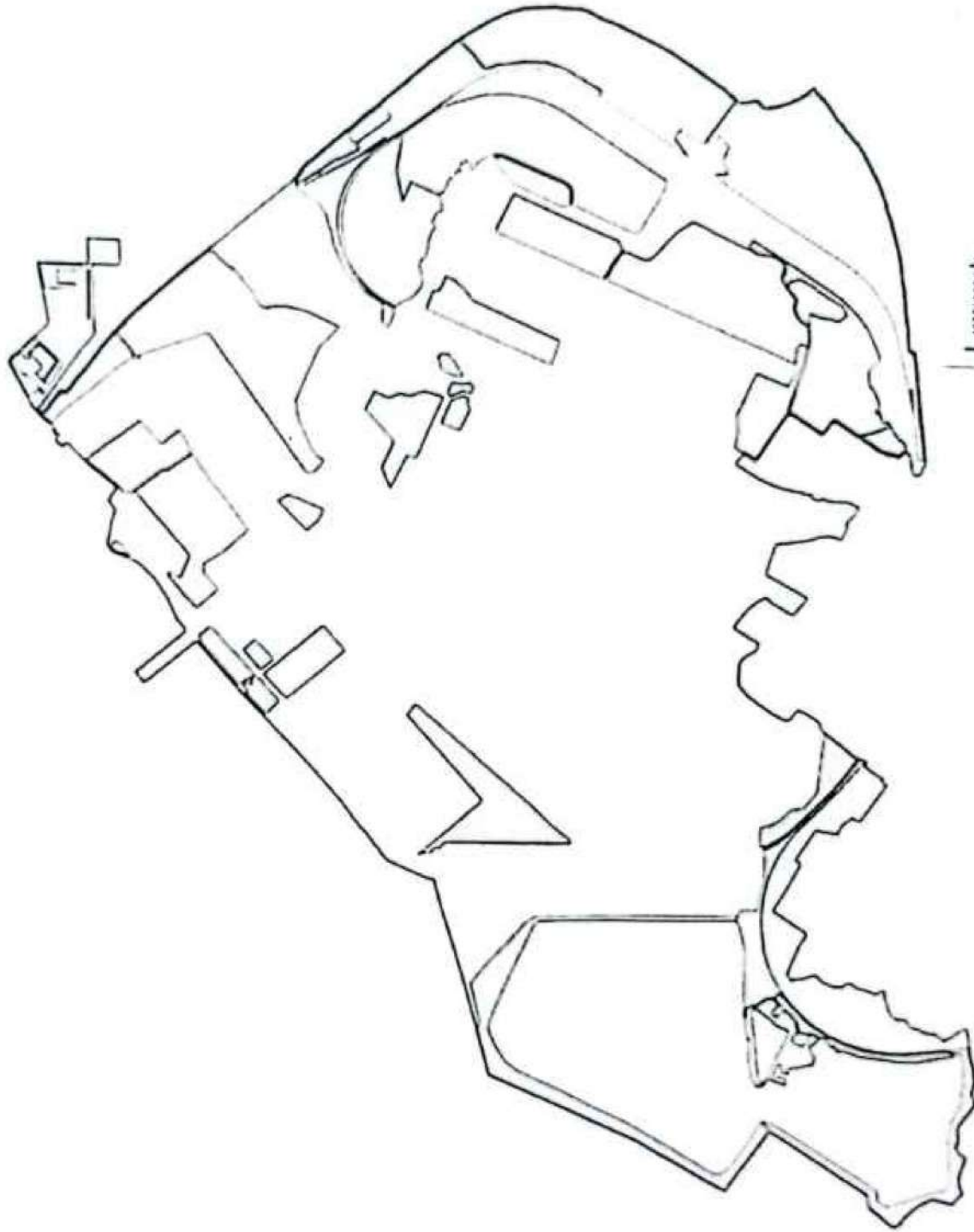
Si. No.	Month	Area Location	Plant Species	Nos.	Total Number of Sapling planted	Total Number of Sapling survived	Sapling survival rate
1	FY 19-20	Plant Premises	Sa lin	1000	14500	11500	79%
			Neem	1000			
			Sheesham	1000			
			Aoun	1000			
			Karan	1000			
			Pakad	1000			
			Jamun	1000			
			pee al	1000			
			Amrood	1000			
			Amala	1000			
			Apam	500			
			Casia Semia	1000			
			Chitwan	1000			
			Amaltas	1000			
			Kadamb	1000			
			Ashok	1000			
			2	FY20-21			
Sheesham	200						
Arjun	200						
Karanj	200						
Pakad	200						
Jamun	100						
Sagaun TREE	1,700						
Casia Samia	100						
Amarood	100						
Mango	100						
Chitwan Tree	100						
Amaltas Tree	100						
Kadamb Tree	100						
Ashok Tree	200						
Mixed Fruit	200						
Maulshree	300						



2	FY 21-22	Plant Premises	Jamun 500 Amarood 500 Mango 500 Mixed Fruit 500 katahal 200 Amala 200	4000	3070	76.76%
4	FY22-23	Plant Premises	mango 1550 Sheesham 2500 cornocorpurs, 1000 karanj 2500 kadamb 1200 Ashok 2500 Nibu 525	1 1775	10250	87%
5	FY23-24	Plant Premises	1500 sq meter area will be developed by using MIYAWAKI system. Remaining area will be developed as green belt by this year Work is under process	1000	900	90%
			NEEM 500 KADAMB 500 AMALTAS 500 MANGO 1000 KARANJ, SHEESHAM 500 ARJUN MAULSHREE 500 LOCAL SPECIES 500 Dubai tree 1200	5200	4300	82.69%
	FY-24-25	Plant Premises	NEEM 2000 Sheesham 3000 Amarood 2300 MANGO 50 KARANJ, 4500 ARJUN MAULSHREE 150	12000	11500	95.8%



Green Belt Area of PPGCI, Power Plant



- Legends**
- PPGCI Plant Area, Hot Area
 - Green Belt Area, 500 Meters Approx.



SCIENTIFIC
1:10000

3 Landuse Landcover Area

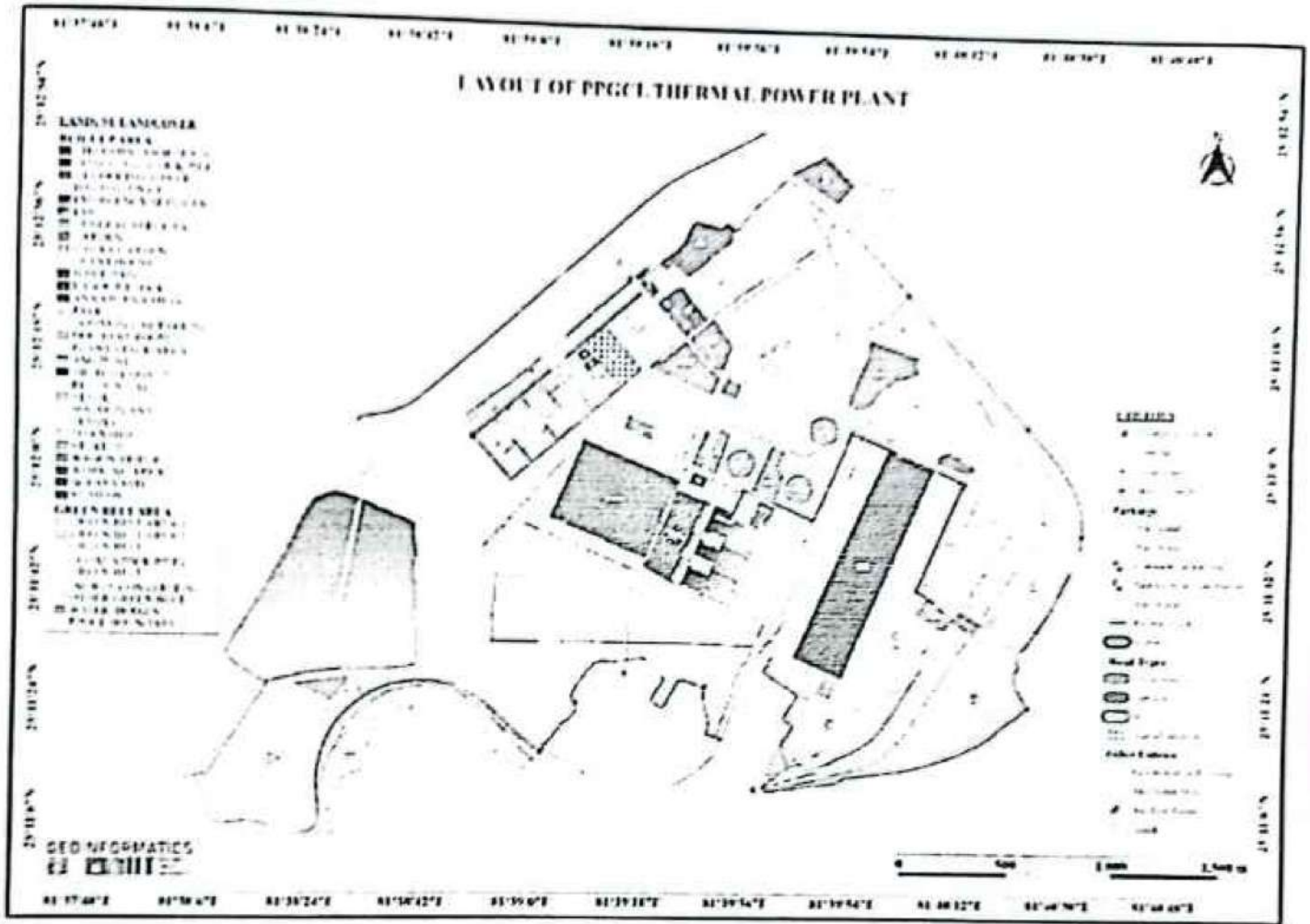
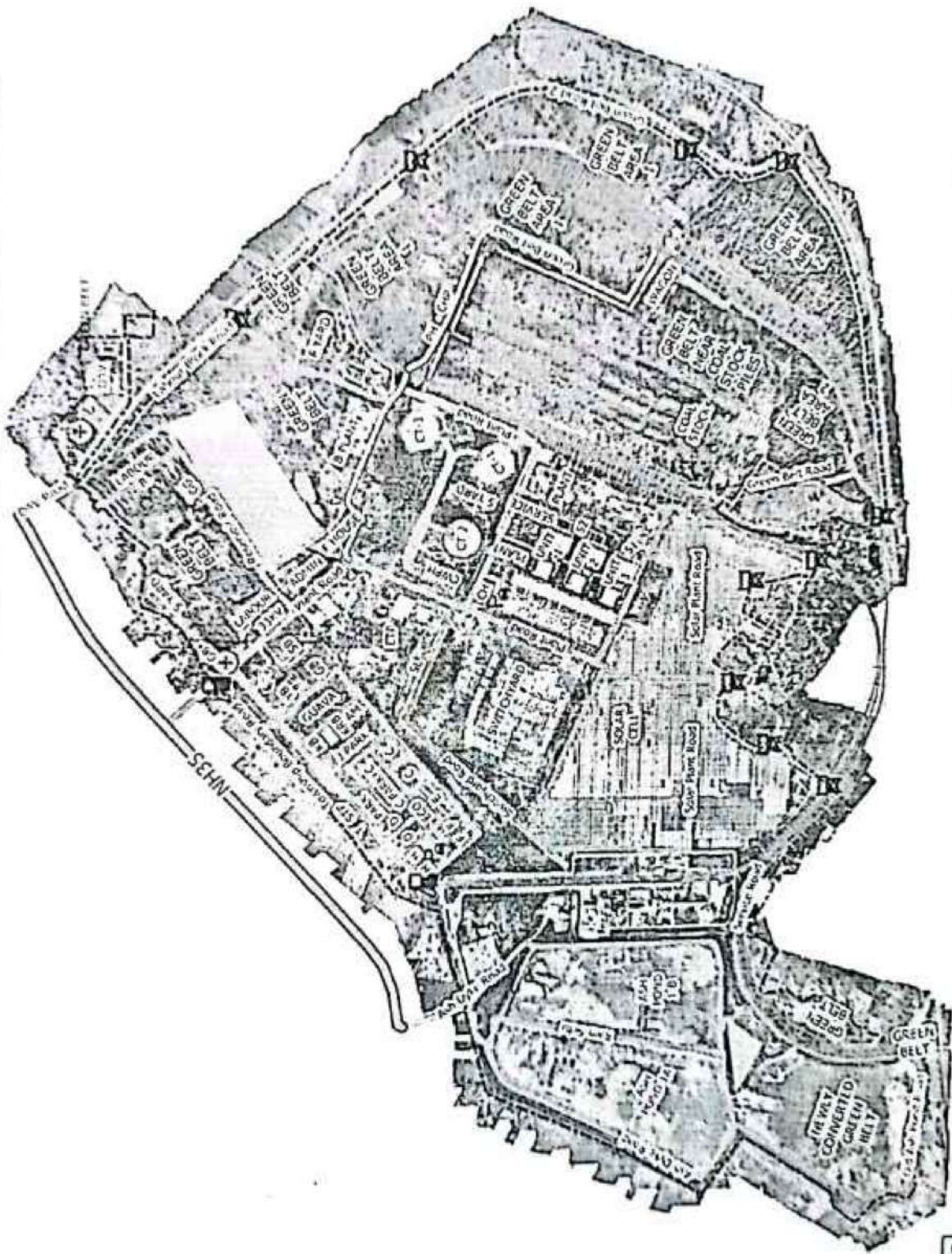


Figure 12: Layout of PPGCL Thermal Power Plant

COMPREHENSIVE MAPPING OF PPGCI, THERMAL



81°37'48"E
81°39'0"E
81°40'12"E
81°40'48"E

25°12'16"N

25°12'0"N

25°11'24"N

GEONFORMATICS
BY **BEIT**



भारतीय
प्रौद्योगिकी
संस्थान
वाराणसी



INDIAN
INSTITUTE OF
TECHNOLOGY
BARANAS HINDU UNIVERSITY

DEPARTMENT OF CIVIL ENGINEERING

Date : 31.01.2025

Ref No. : IIT(BHU)/CE/2024-25/ 4/111

To
Prayagraj Power Generation Company Limited
Power Plant, Village Khansemra, Tehsil, Bara,
Prayagraj, Uttar Pradesh, 212108


Subject: Compliance Audit Report of GIS Mapping of PPGCL Thermal Power Plant using
Drone and Satellite imageries.

Dear sir,

With reference to your letter mentioned above, please find attached compliance audit report of GIS Mapping of PPGCL Thermal Power Plant using Drone and Satellite imageries. If you have any query then feel free to contact us.

Thanking you

Yours faithfully


Prof. Anurag Ohri

(Department of Civil Engineering)
प्रोफेसर/PROFESSOR
जानपद अभियांत्रिकी विभाग
Department of Civil Engineering
भारतीय प्रौद्योगिकी संस्थान (बी.एच.यू.)
Indian Institute of Technology (B.H.U.)
वाराणसी-221005/Varanasi-221005

1.2 Study Area

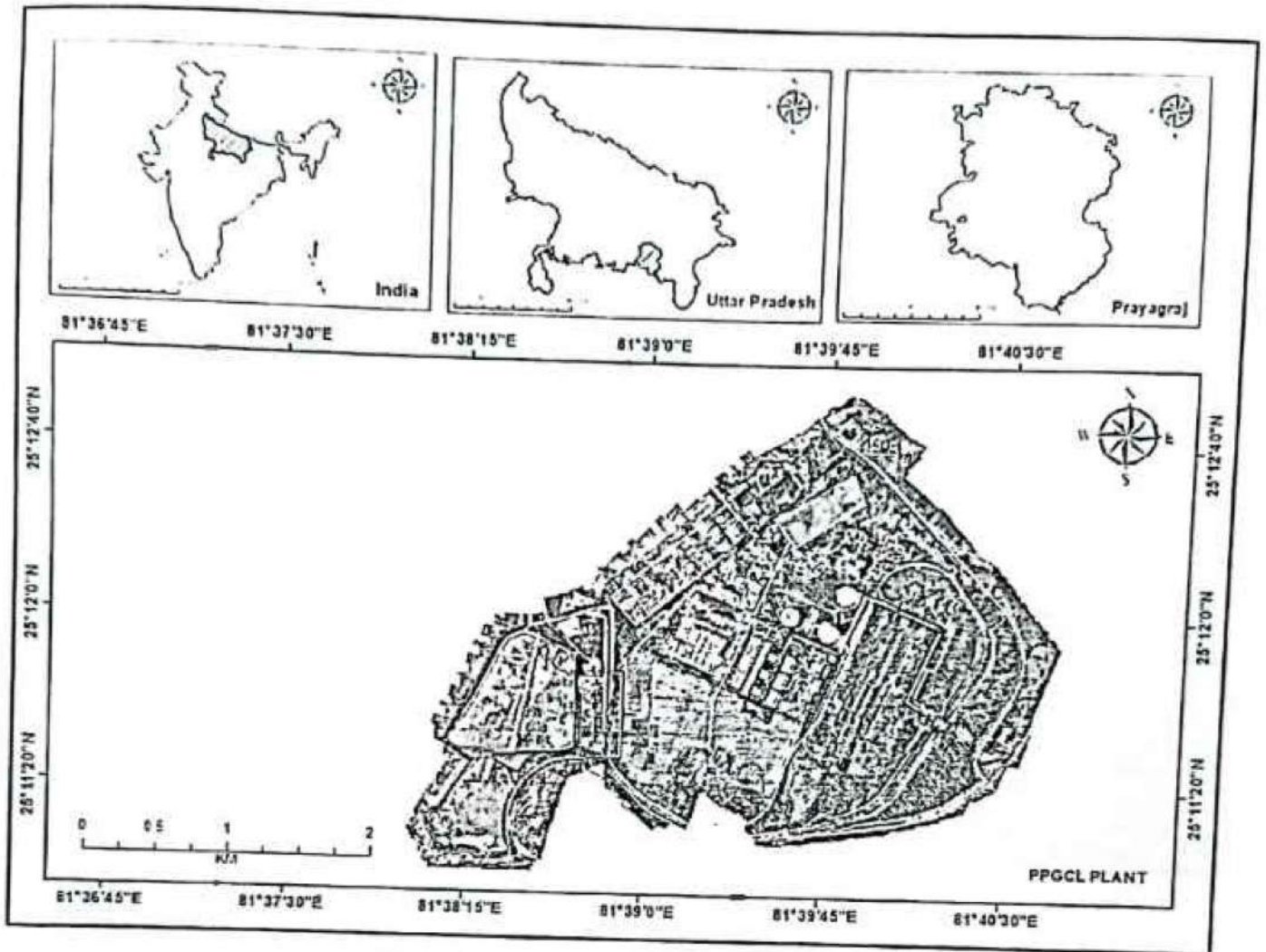


Figure 1: Location of PPGCL Power Plant

1.3 About the PPGCL plant

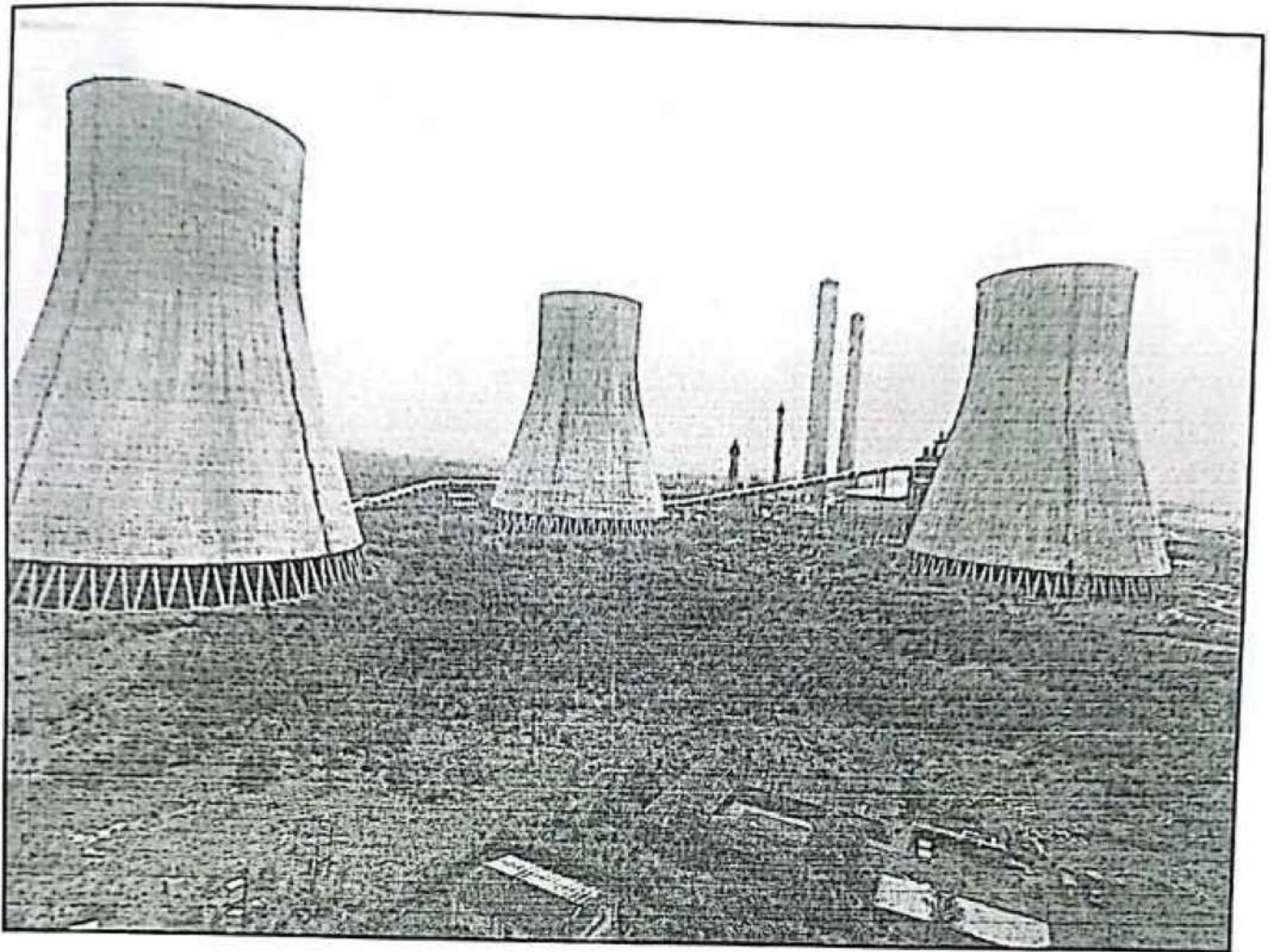


Figure 2: PPGCL Power Plant

2.1 Data Collection and Methods

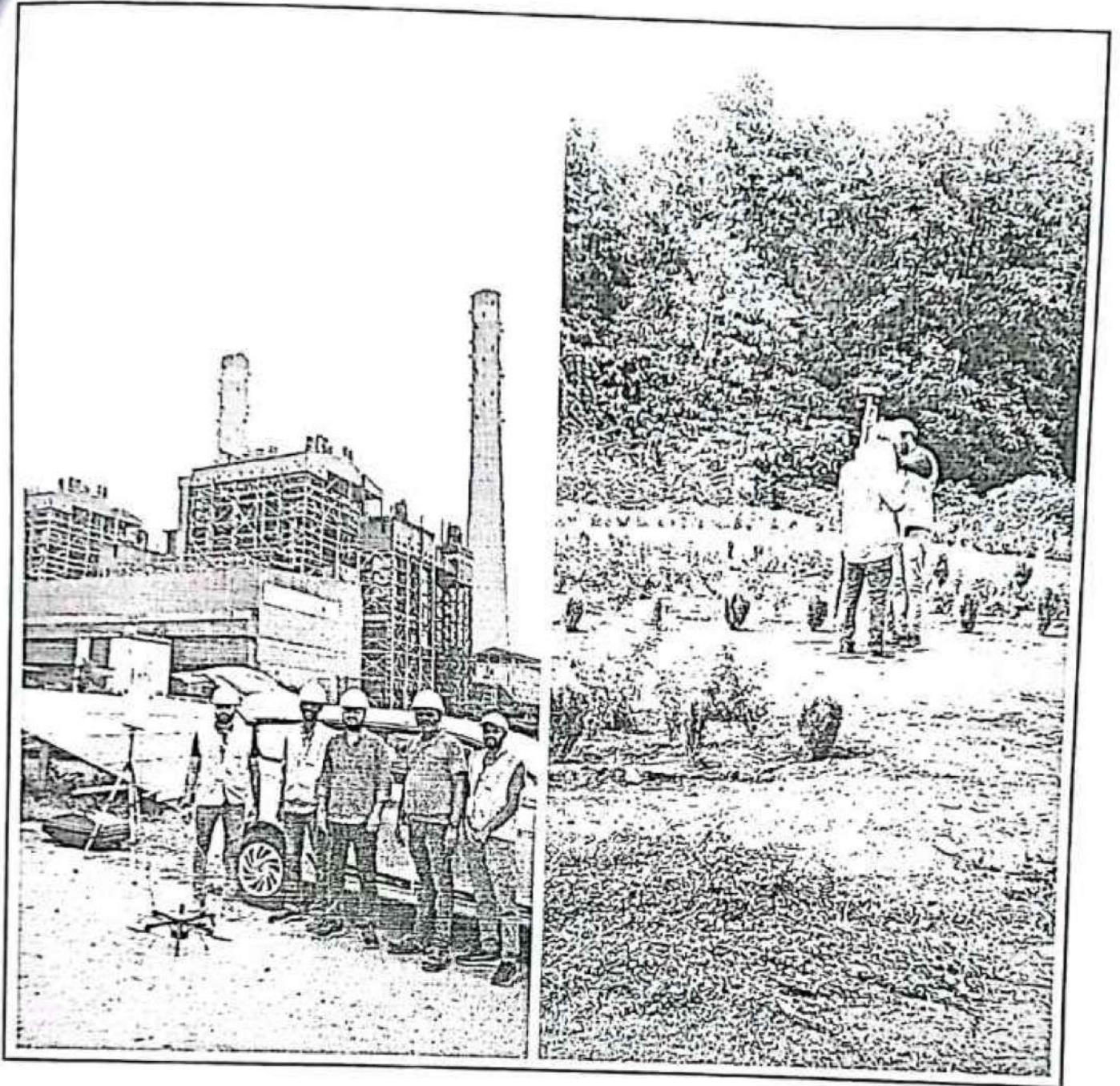


Figure 4: Field data collection and survey

2.2 Instrument Used

Idea Forge RYNO UAV

The Idea Forge RYNO UAV is a micro-category drone built with carbon fiber, specifically designed for precision mapping applications. Widely used across industries such as mapping, mining, construction, and real estate, it offers exceptional features including less than 10 cm absolute X and Y accuracy, a ground sampling distance of less than 5 cm, and support for output formats like point clouds, digital terrain models, and digital elevation models. With a payload capacity of over 20 MP, 64 GB of storage, a flight time exceeding 40 minutes, and an operational range of up to 4 km, the RYNO UAV is ideal for tasks such as land surveys, mining area planning, and construction site management.

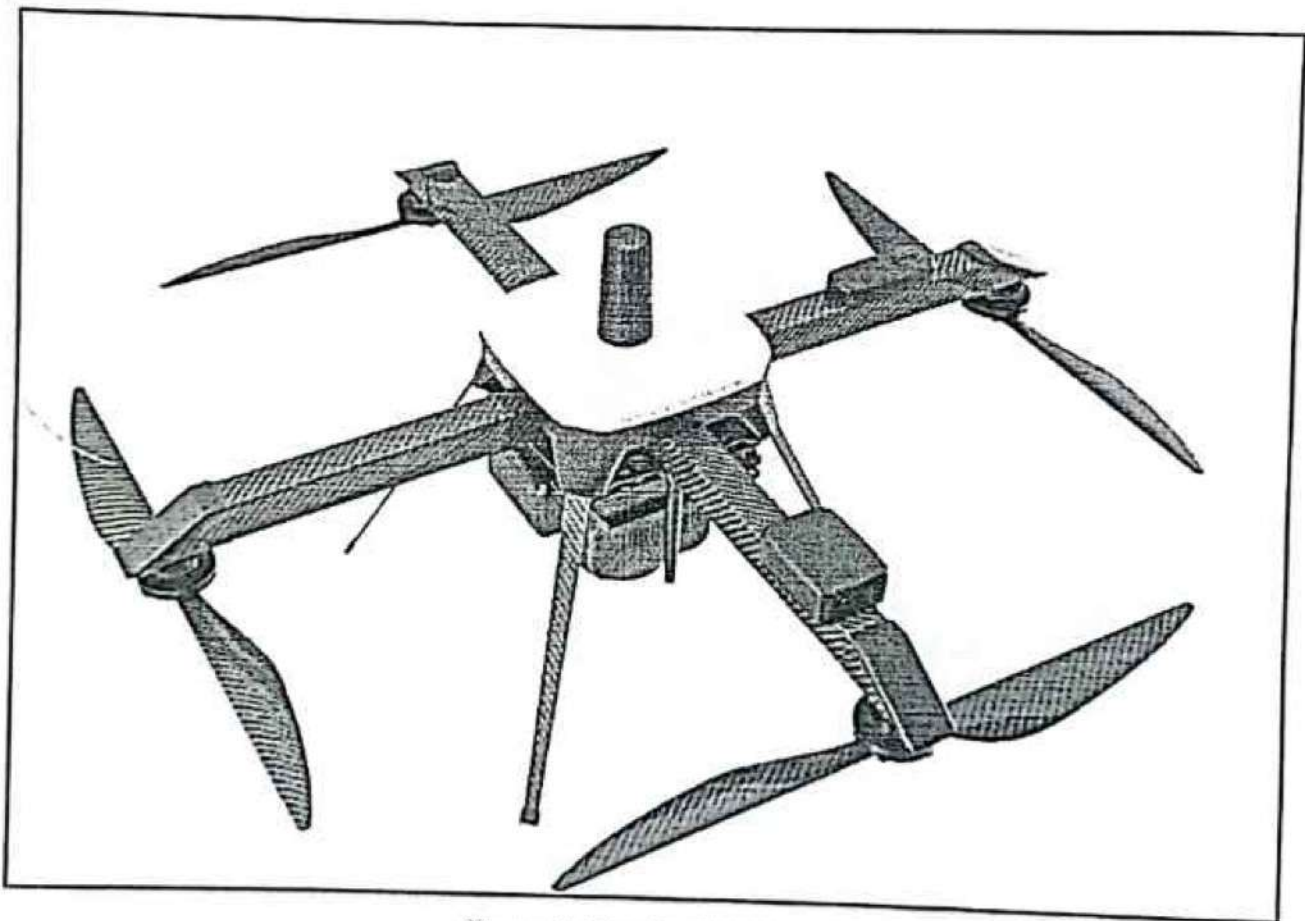


Figure 7: Idea forge UAV

SOKKIA DGNSS

SOKKIA DGNSS is a high-precision navigation and positioning solution widely used in surveying, mapping, and construction. By using correction signals from a reference station, it significantly improves the accuracy of standard GPS, achieving centimeter-level precision. It is commonly employed for applications such as land surveying, infrastructure planning, and agricultural field mapping. The system is known for its reliability, ease of integration with other SOKKIA equipment, and compatibility with industry-standard data formats.



Figure 8. GNSS RECEIVER

Software used

Agisoft Metashape Professional

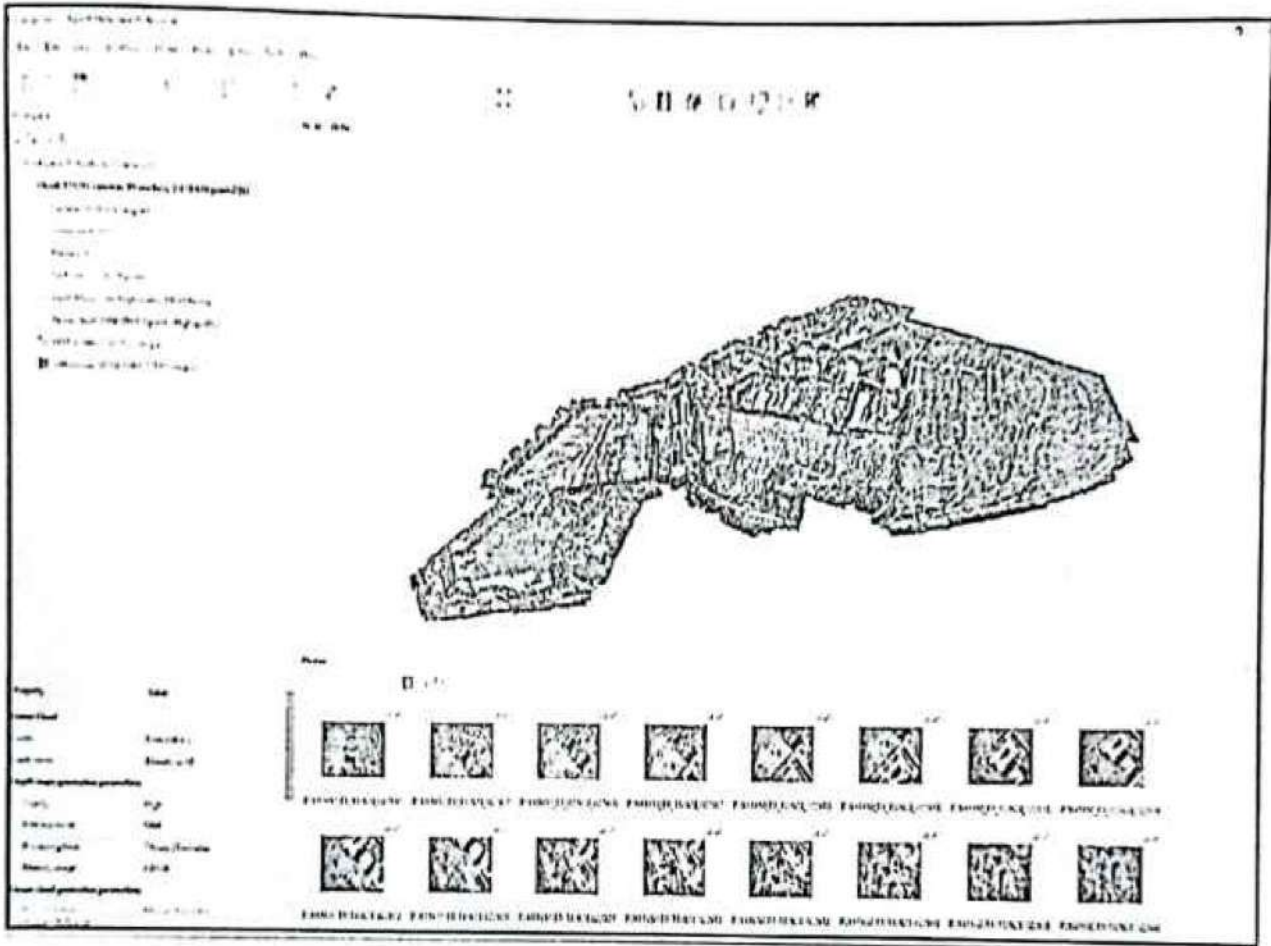


Figure 9: Agisoft Metashape workflow

Agisoft Metashape Professional is a robust photogrammetry software designed for creating high-quality 3D models, maps, and visualizations from photographic data. The software supports aerial and ground-based imagery to generate dense point clouds, textured 3D models, orthophotos, and DEMs. It features georeferencing tools, multispectral and thermal imaging capabilities, and support for Ground Control Points (GCPs) to enhance accuracy. Metashape also allows batch processing and Python scripting for workflow customization, making it suitable for handling large datasets efficiently. With compatibility for various 3D and GIS formats, it integrates seamlessly with external platforms, making it a go-to tool for professionals in need of detailed spatial data analysis and visualization.

QGIS

QGIS (Quantum Geographic Information System) is a powerful, open-source Geographic Information System (GIS) software used for spatial data management, analysis, and visualization. It enables users to view, edit, and analyze geospatial data across multiple formats, making it an essential tool for professionals in fields like urban planning, environmental science, cartography, and geospatial analysis.

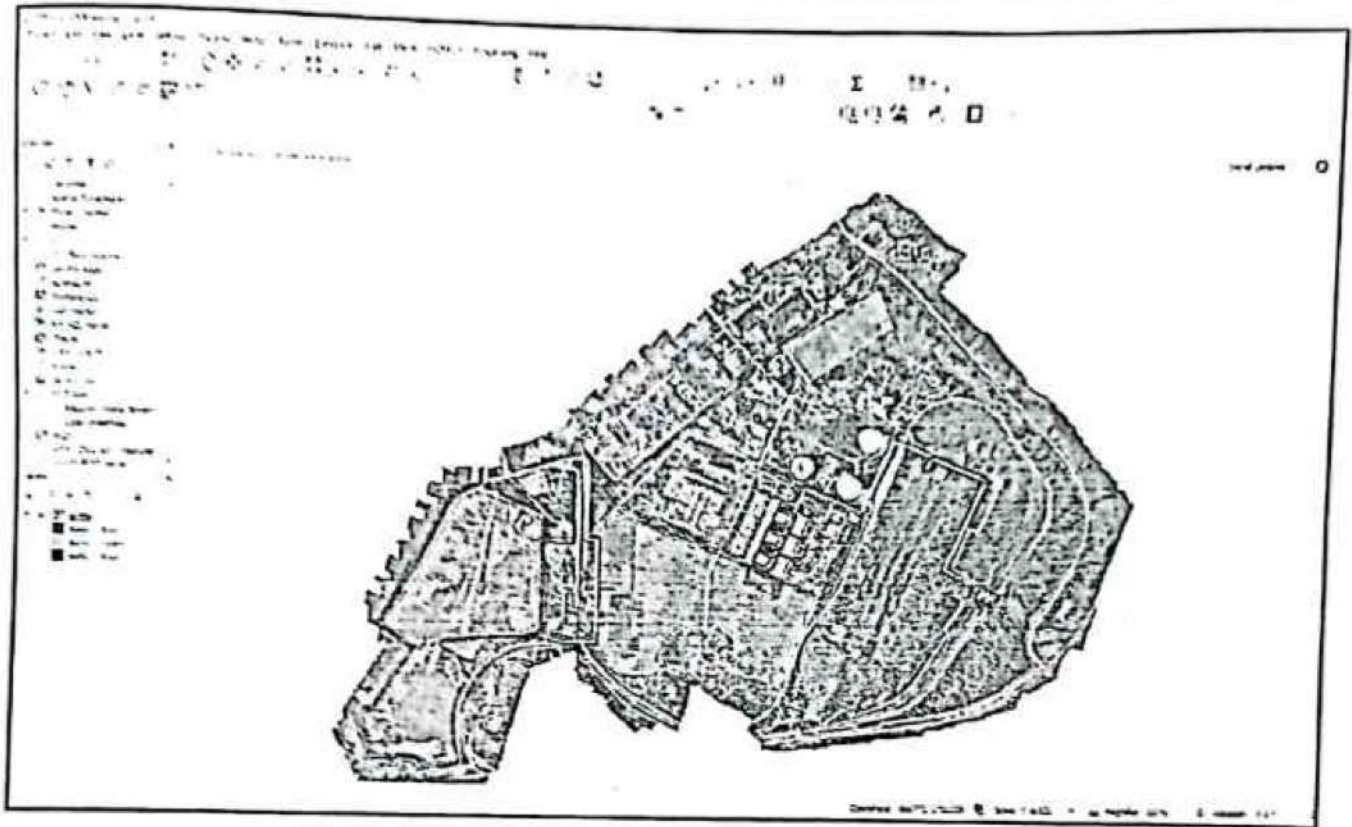


Figure 10: QGIS software

2.3 Generation of Orthomosaic image

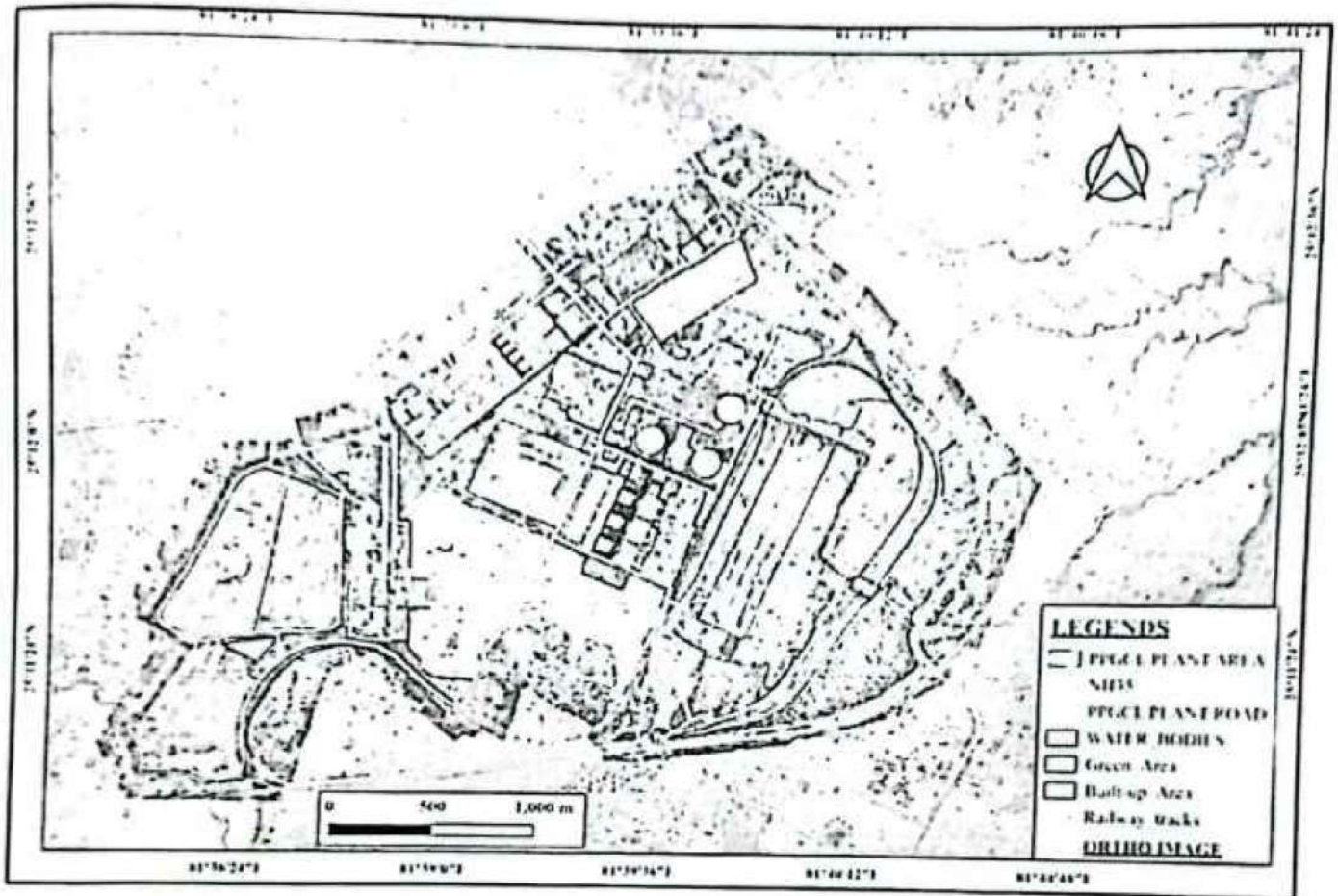


Figure 11 Orthomosaic image of PPGCL Thermal Power Plant

An orthomosaic image (or orthophoto) is a high-resolution, geometrically corrected aerial image created by stitching together multiple overlapping photos. These images are processed to remove distortions caused by camera angles, terrain variations, and lens distortions, making them scale-accurate and measurable, like a map.

3 Landuse Landcover Area

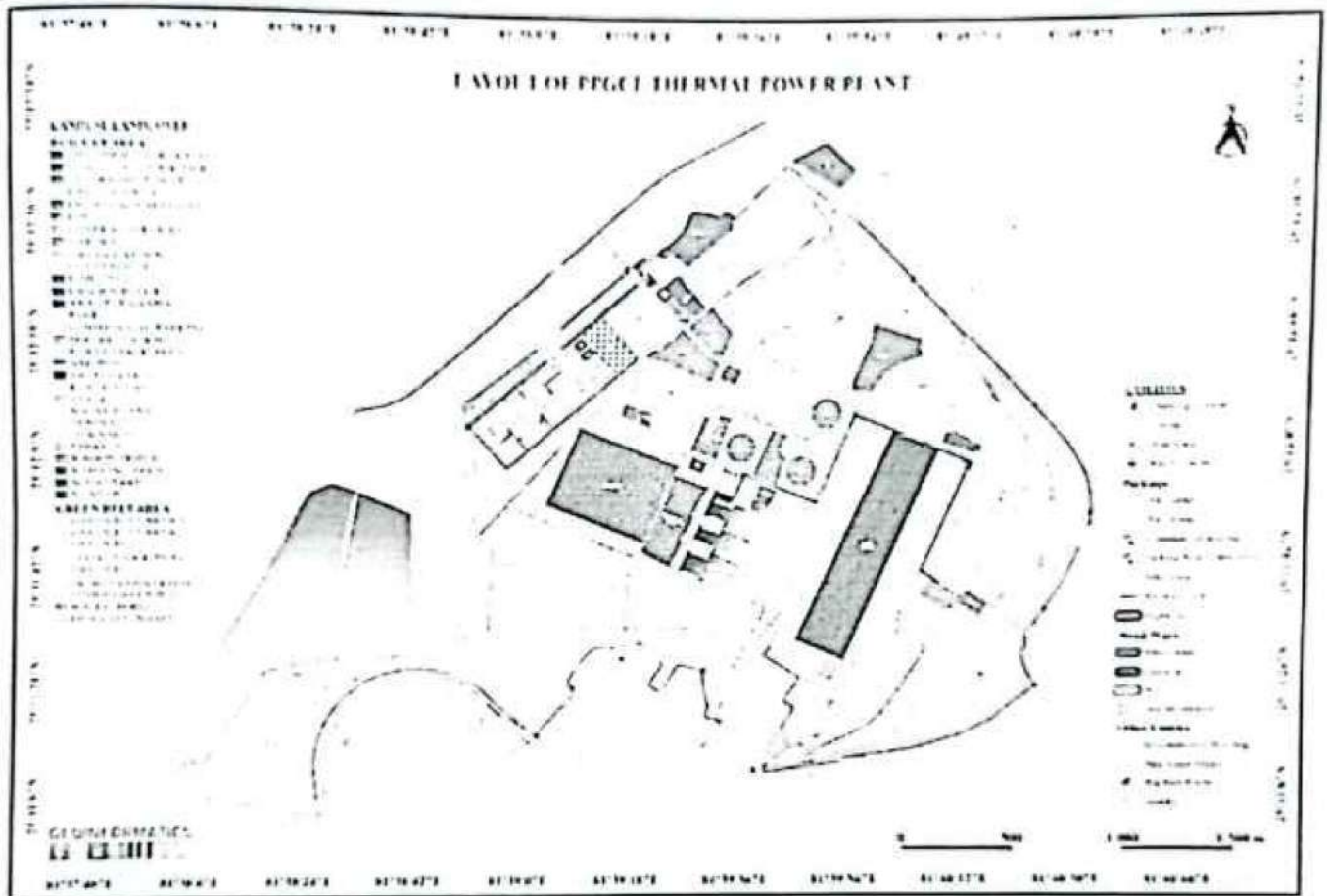


Figure 12 Layout of PPGL Thermal Power Plant

About Plant Area

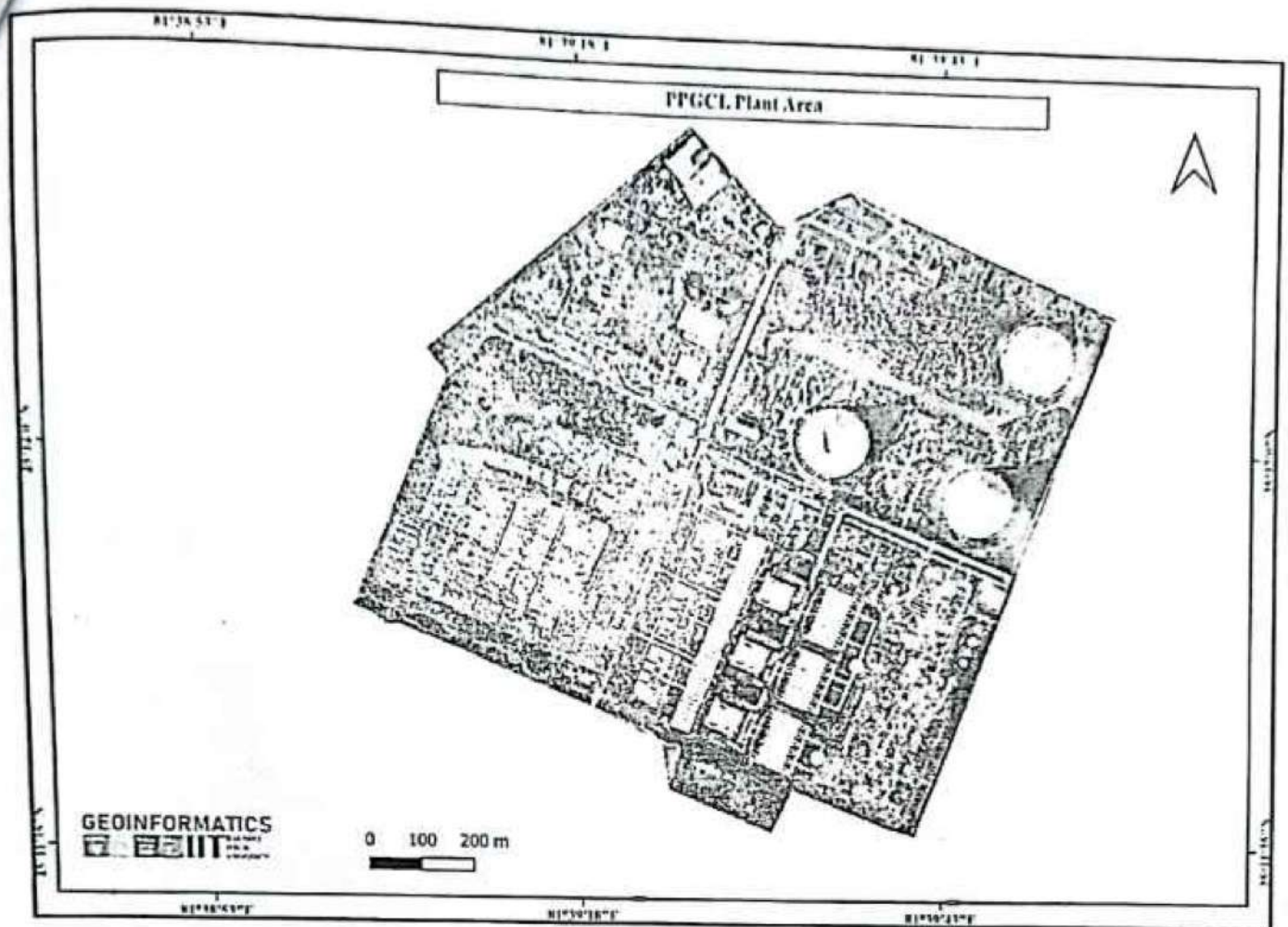


Figure 15: Orth mosaic image of Thermal Plant Area: PPGCL

The PPGCL Plant Area is a meticulously designed industrial hub dedicated to power generation and operational excellence. Spread across a significant portion of the plant layout, the area integrates advanced infrastructure, utility systems, and environmental sustainability measures to ensure efficient and safe operations. This section details the various components and facilities that make up the plant area, highlighting their importance and contribution to the overall functionality of the power plant.

About Green Belt Area

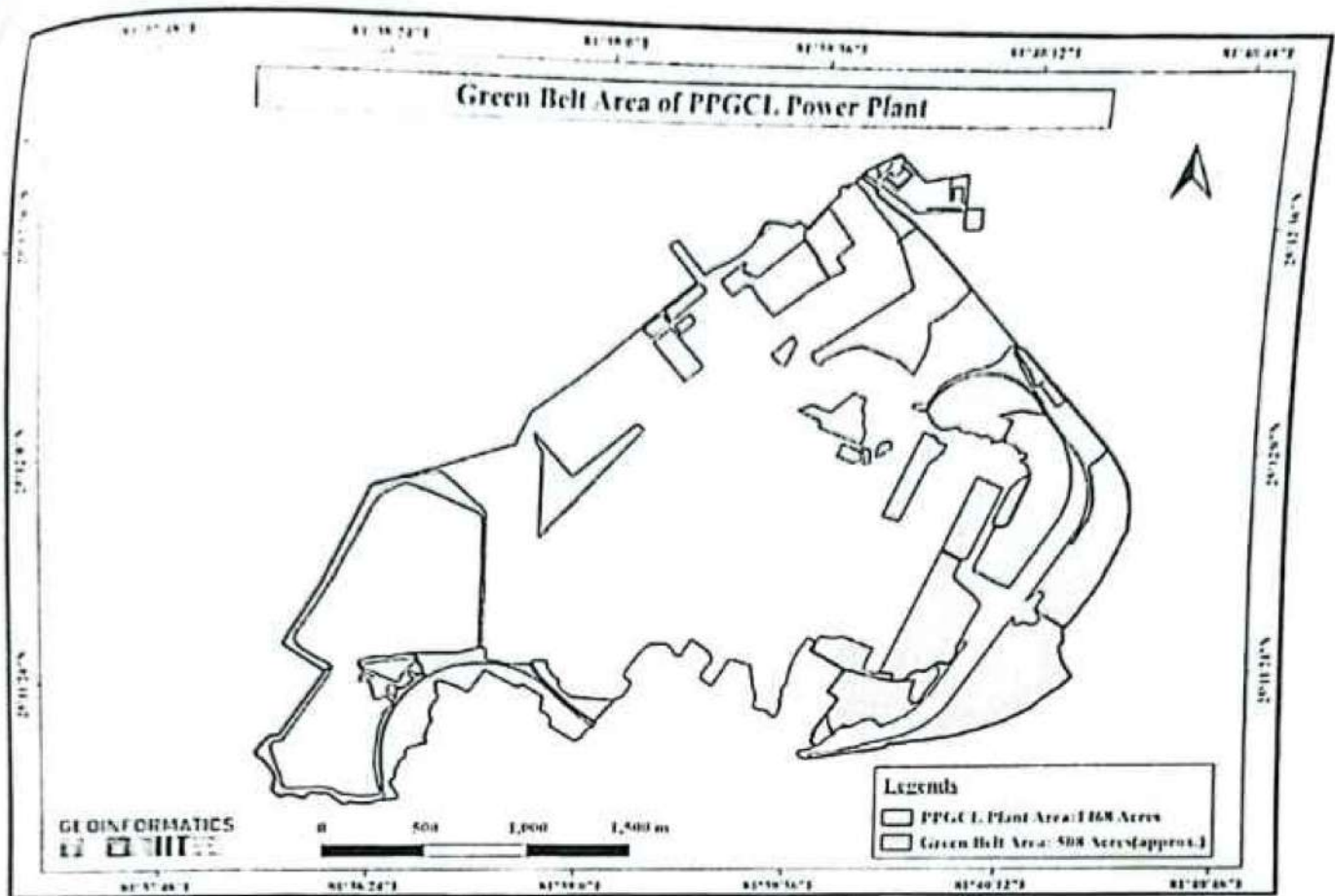


Figure 17 Green Belt Area of PPGCL Thermal Power Plant

The Green Belt Area of the PPGCL plant spans an extensive approximately 508 acres, forming a vital component of the plant's commitment to environmental sustainability and ecological balance. This large expanse of greenery, highlighted in the map with its vibrant green shading, serves as a buffer against pollution, enhances biodiversity, and provides aesthetic value. The green belt includes a variety of trees and plants, some of which are cultivated systematically while others are part of natural vegetation. Among the cultivated areas, approximately 3 acres are dedicated to Neem trees (*Azadirachta indica*), which are highly effective in reducing air pollution, improving soil quality, and offering medicinal benefits. Similarly, a Nursery covering about 3 acres plays a pivotal role in growing saplings of native and ornamental plants, ensuring the continuous expansion of greenery across the plant premises.

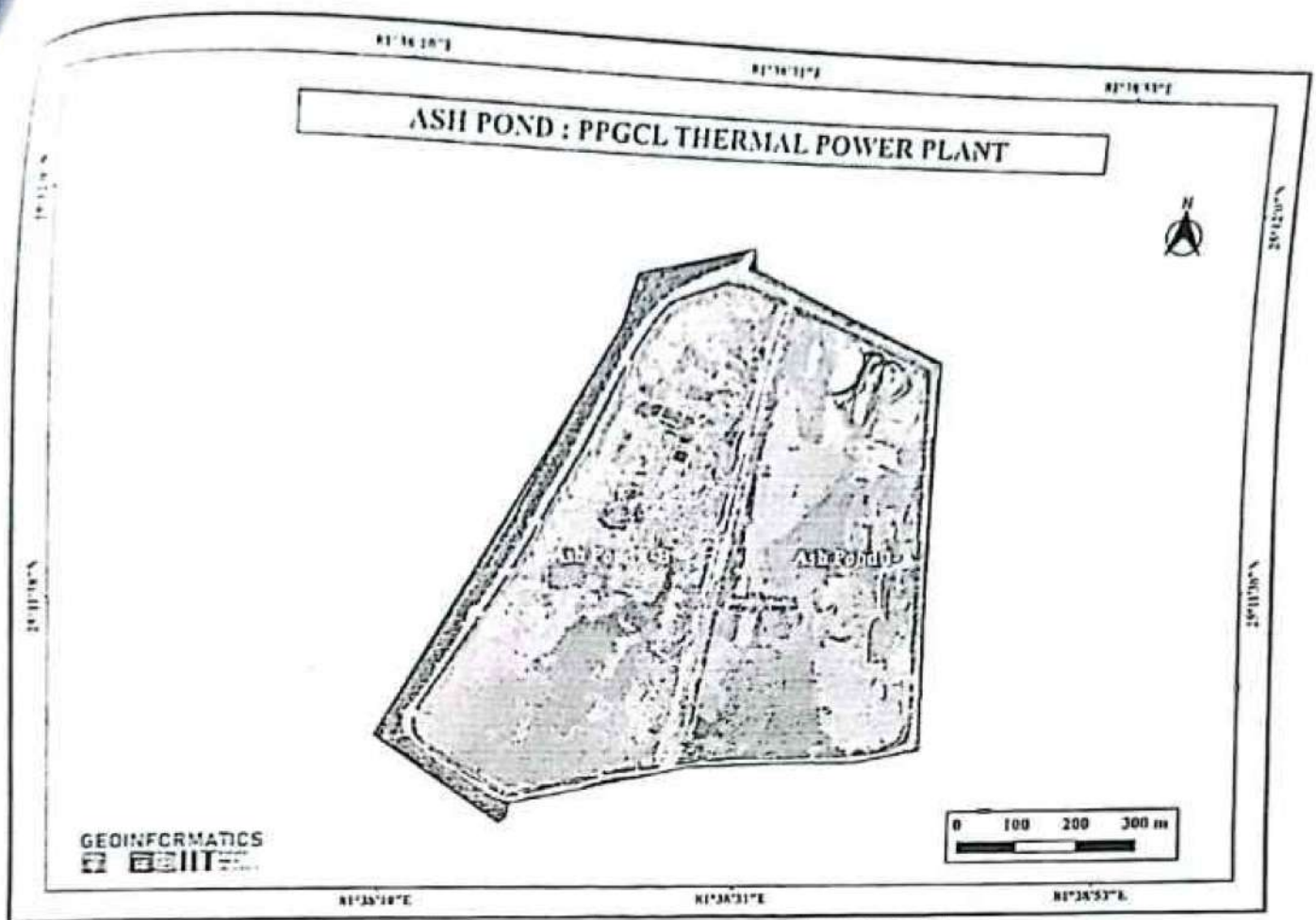


Figure 18: Orthomosaic image of PPGCL Ash Pond

The PPGCL (Power Plant) Ash Ponds are designed to store the bottom ash and unutilized fly ash generated from the power plant's operations. These ash ponds are vital for managing the waste products of the plant in an environmentally safe manner.

Total Area: The total area of the ash ponds is 76.1 hectares (Ha), which is the combined area of two ponds (Pond-1 and Pond-2).

Pond-1:

Size: Pond-1 has an area of 52.4 Ha, which includes a separation bund (a barrier or embankment).

Divided into Two Sections: Pond-1 is further subdivided into two parts:

Pond 1A: This section has an area of 22.8 Ha.

Pond 1B: This section has an area of 26.4 Ha.

Solar Plant Area: PPGCL



Figure 19: Ortho mosaic image of Solar cells plant of PPGCL Plant Area

PPGCL Green Initiatives: Roof Top Solar Installation

As part of its commitment to sustainability and reducing its carbon footprint, the PPGCL (Prayagraj Power Generation Company Limited) has undertaken a significant green initiative by installing rooftop solar panels. Spanning approximately 176 acres, these installations have a combined capacity of 204 kW.

The rooftop solar panels harness solar energy to generate clean and renewable electricity, which can be used to meet a portion of the plant's energy requirements. This initiative not only reduces dependency on conventional energy sources but also aligns with global efforts to combat climate change by minimizing greenhouse gas emissions.

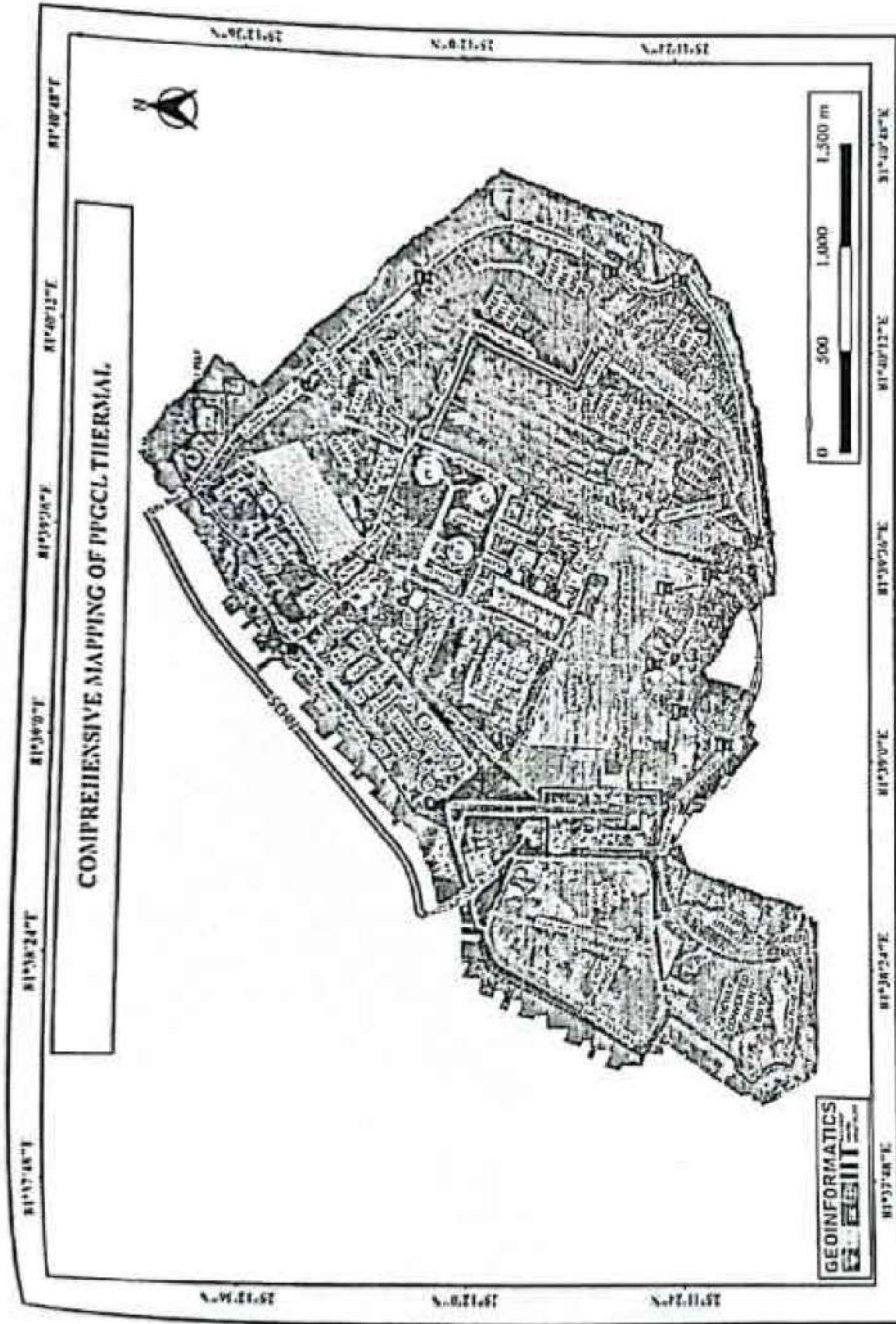


Figure 20: Comprehensive Map of PPGCL Thermal Power Plant

The other PPGCL Thermal Power Plant areas encompass a variety of facilities and areas that support its operations and the welfare of its employees and nearby communities.

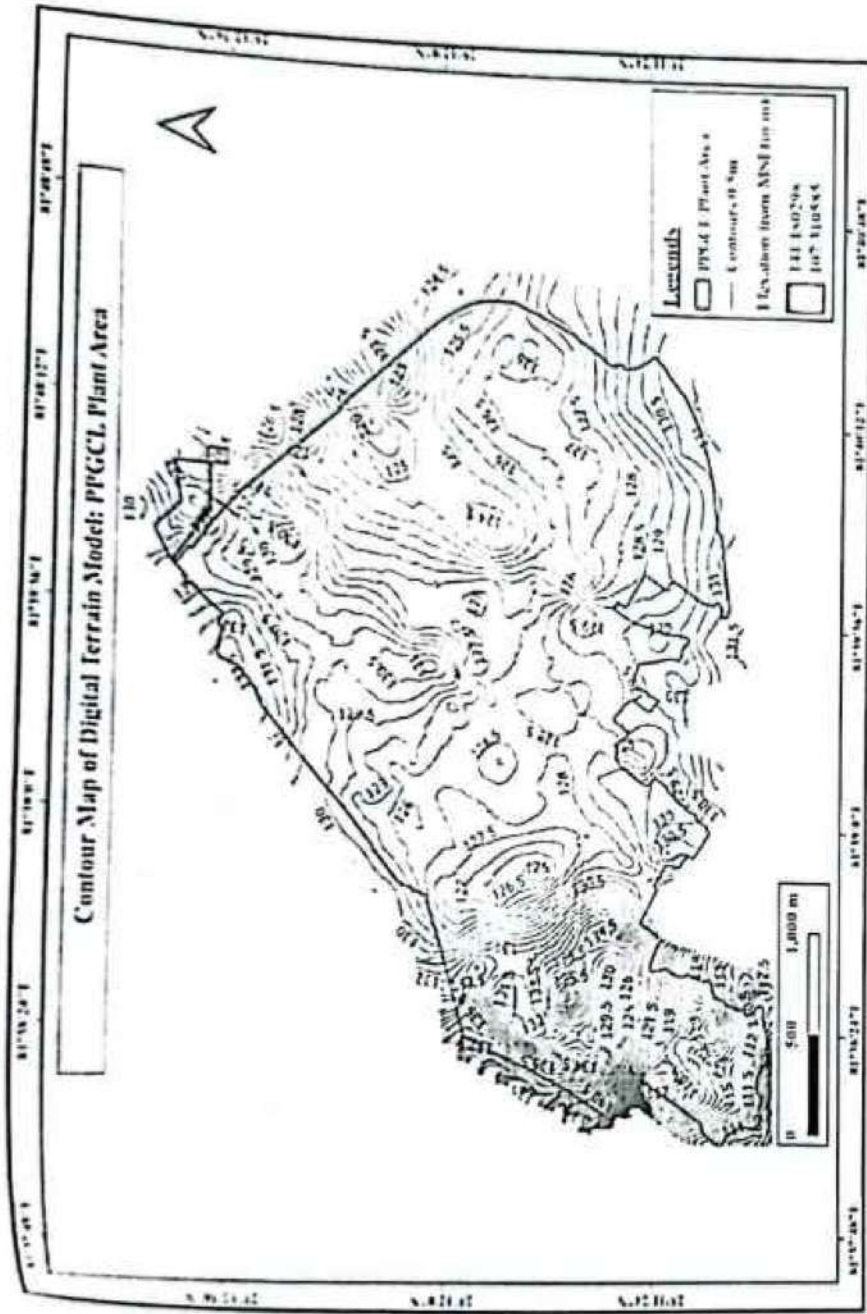


Figure 21: Contour Map of PPGCL Thermal Power Plant

The image represents a Digital Terrain Model (DTM) of the PPGCL (Prayagraj Power Generation Company Limited) plant area. It is a contour map with a contour interval of 0.5 meters, providing detailed elevation information. The map shows the terrain's elevation in meters, with the highest elevation marked at 141.18 meters and the lowest at 107.311 meters. The elevation is depicted using a gradient of colors, ranging from purple and blue for lower elevations to orange and red for higher elevations. The PPGCL plant area is outlined, clearly distinguishing its boundaries from the surrounding region. This DTM is essential for understanding the topography, which can be useful for planning, construction, drainage analysis, and environmental assessments within the plant area.



संलग्नक (13)

To,
Regional Officer,
UPPCB, Prayagraj (UP)

Date: 13/02/2025

We would like to inform you that our plant was stopped on Dated 11th Feb 2025 at 4:00AM due to sufficient stocks (Silo Full).

As soon as, we will start the plant will inform to you in advance.

Regards,

Sudhir Kumar Sharma

AVP & GUH

Bara Cement Works



UltraTech Cement Limited
(Unit : Bara Cement Works)

A/p : Lohgara, Tehsil : Bara, Distt. : Prayagraj (U.P.) 212107

Website : www.ultratechcement.com

Registered Office : 'B'Wing, Ahura Centre, 2nd Floor, Mahakali Caves Road, Andheri (East), Mumbai - 400093

T.: + 91 22 66917800 | CIN : L26940MH2000PLC128420



Uttar Pradesh Pollution Control Board

Building. No TC-12V Vibhuti Khand, Gomti Nagar, Lucknow-226010

Phone: 0522-2720828, 2720831, Fax: 0522-2720764, Email: info@uppcb.in, Website: www.uppcb.com

168342/UPPCB/Allahabad(UPPCBRO)/CTO/both/PRAYAGRAJ/2022

Date: 12/01/2023

To,

M/s

ULTRATECH CEMENT LIMITED

Ultratech Cement Limited, Unit Bara Cement Works, P.O.
Lohgara, Tehsil Bara, District Allahabad 212107 (Uttar
Pradesh), ALLAHABAD, 212107

Application Id-
18404064

Consolidated Consent to Operate and Authorisation hereinafter referred to as the CCA (Consolidated Consent & authorization) (Fresh) under Section-25 of the Water (Prevention & Control of Pollution) Act, 1974 and under Section-21 of the Air (Prevention & Control of Pollution) Act, 1981.

CCA is hereby granted to **ULTRATECH CEMENT LIMITED** located at **Ultratech Cement Limited, Unit Bara Cement Works, P.O. Lohgara, Tehsil Bara, District Allahabad 212107 (Uttar Pradesh), ALLAHABAD, 212107.** subject to the provisions of the Water Act, Air Act and the orders that may be made further and subject to following terms and conditions :-

1. This CCA **ULTRATECH CEMENT LIMITED** granted for the period from **01/01/2023 to 31/12/2027** and valid for manufacturing of following products.

S No	Product	Quantity	Unit
1	Cement	4.0	Million Tonnes/Year

2. Conditions under Water (Prevention and Control of Pollution) Act -1974 as amended :-

(i) The daily quantity of effluent discharge (KLD) :-

Kind of Effluent	Quantity(KLD)	Treatment facility	Discharge point
Domestic	9.0 KLD	Septic Tank	Soak Pit

(ii) Trade Effluent Treatment and Disposal :- The applicant shall operate Effluent Treatment Plant consisting of primary/secondary and tertiary treatment as is required with reference to influent quantity and quality.

In case of stoppage of functioning of ETP, production has to be stopped immediately and this Board has to be intimated by fax/phone/email with a report in this regard to be dispatched immediately.

(iii) The treated effluent shall be recycled to the maximum extent and should be reused within the premises for gardening etc. Quality of the treated effluent shall meet to the following general and specific standards as prescribed under Environment (Protection) Rules, 1986 and applicable to the unit from time-to-time :-

Industrial Effluent Quality Standard

S.No.	Parameter	Standard
-------	-----------	----------

(iv) Sewage Treatment and Disposal :- The applicant shall provide comprehensive STP as is required with reference to influent quantity and quality. In case of stoppage of functioning of STP, production has to be stopped immediately and this Board has to be intimated by fax/phone/email with a report in this regard to be

dispatched immediately.

(v) The treated sewage shall be reused in gardening as far as possible. The STP shall be maintained continuously so as to achieve the quality of the treated sewage to the following standards.

S No.	Parameters	Standards
-------	------------	-----------

3. Conditions under Air (Prevention and Control of Pollution) Act -1981 as amended :-

i) The applicant shall use following fuel and install a comprehensive control system consisting of control equipment as required with reference to generation of emissions and operate and maintain the same continuously so as to achieve the level of pollutants to the following standards.

Air Pollution Source Details

S No.	Air Pollution Source	Type of fuel	Stack no	Control Device	Height of Stack
1	Ball Mill		01	Particulate Matter	55 meter high stack from GL and bag house filter.
2	Ball Mill		02	Particulate Matter	46 meter high stack from GL and bag house filter.

Emission Quality Standards

S No.	Stack no	Parameters	Standards
1	01	Particulate Matter	As per E(P) Act 1986.
2	02	Particulate Matter	As per E(P) Act 1986.

In case of stoppage of functioning of air pollution control equipment, production has to be stopped immediately and this Board has to be intimated by fax/phone/email with a report in this regard to be dispatched immediately

(ii) The unit will not use any type of restricted fuel.

iii) Noise from the D.G. Set and other source(s) should be controlled by providing an acoustic enclosure as is required for meeting the ambient noise standards for night and day time as prescribed for respective areas/zones (Industrial, Commercial, Residential, Silence) which are as follows :-

Day time : from 6.00 a.m. to 10.00 p.m., Night time: from 10.00 p.m. to 6.00 a.m.

Standards for Noise level in db(A) Leq	Industrial Area		Commercial Area		Residential Area		Silence Zone	
	Day Time	Night Time	Day Time	Night Time	Day Time	Night Time	Day Time	Night Time
	75	70	65	55	55	45	50	40

4. Essential documents to be submitted by the Industry/Unit as Applicable :-

(i) Environment Statement in Form-V of Environment (Protection) Rules, 1986.

(ii) Quarterly compliance report of the CCA, photograph of ETP/APCs/Waste Storage Area.

5. Competent Authority reserves the right to change/modify/add any time any condition of this CCA.
6. Unit has to comply with the following specific & general conditions. Non compliance of any provision of this CCA and provisions of the Water Act, Air Act and Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 will result in legal action under the aforesaid Acts and Rules.
7. In compliance to the G.O 1011/81-7-2021-09 (Writ)/2016 dated.13.10.2021 issued by Department of Environment, Forest and Climate Change, Uttar Pradesh. You are directed to develop Miyawaki Forest as per the SOP available at URL:-<http://www.upecp.in/TrainingSession.aspx> for ensuring timely compliance of this direction, you are hereby directed to submit a bank guarantee with minimum validity of one year of the amount equivalent to the sum of initial consent fees (Air and Water) or Rs. 50,000/- (Rs. Fifty Thousand Only) whichever is more, within 30 days from the date of issuance of this certificate. In case of non-compliance of this direction, your consent will be revoked by the Board.
8. If the unit uses the ground water and requires the permission from SGWA/CGWA for water abstraction then the industry will have to obtain No objection certificate for abstraction of ground water. It will be the responsibility of the industry to comply with the various conditions of the NOC obtained from the competent authority and submit to the Board, within 3 months time failing which CTO will be revoked.

General Conditions:-

1. The applicant shall get analysed the samples of effluent/emission/hazardous wastes at least once in a three month from the laboratory recognized by the MoEF and shall report to the UPPCB.
2. The applicant shall however, not without the prior consent of the Board bring into use any new or altered outlet for the discharge of effluent or gases emission or sewage waste from the unit.
3. Treated Industrial waste water and domestic waste water shall be disposed jointly at one disposal point. The applicant shall provide discharge measurement equipment at final disposal point.
4. The applicant shall strictly comply with conditions of this CCA and submit compliance report of stipulated conditions within 30 days of receipt of this CCA. If at any point of time, it is found that the industry is not complying with stipulated conditions or any further direction/instruction issued by the Board, legal action shall be initiated against the applicant.
5. The applicant shall maintain good house keeping. All valves/pipes/sewer/drains etc. must be leak-proof
6. The industry shall provide uninterrupted entry to the STP/ETP inlet and outlet points, Air Pollution Control equipment and stack for smooth sampling/monitoring of efficiency of pollution control systems.
7. The industry shall provide Inspection Book at the time of inspection to the Board's officials.
8. Whenever due to any accident or other unforeseen act or event, such emission occurs or is apprehended to occur in excess of standards laid down, such information shall be reported to the Board's offices and all other concerned offices. In case of failure of pollution control equipment, the production process connected to it shall be stopped with immediate effect.
9. The industry shall operate in a manner so that all emissions be emitted through designated chimney/stack only.
10. In case of any damage to the agriculture productivity, human habitation etc. by the operation of industry, it shall be imperative to stop production in the industry with immediate effect and such information shall be reported to Board's offices. The industry shall be liable to pay compensation also in such cases as decided by the Competent Authority.
11. The applicant shall apply before the 60 days of expiry of CCA or any change in production types/production capacity/manufacturing process/capacity enhancement etc. or any change in effluent discharge point or emission point
12. The Board reserves the right to revoke/add/modify any stipulated condition issued along with CCA, as may be necessary.

Specific Conditions:-

1. This consent is valid for production of Cement-4.0 (2x2) Million Ton/Year (Cement Grinding Unit) using Clinker, Fly Ash, Gypsum, Slag as raw material.
2. Industry shall comply with the conditions of Environmental Clearance issued by MoEF&CC vide letter J-11011/135/2012-IA II(I) dated 28-11-2014.
3. Industry shall comply with the conditions of CTE issued by UPPCB vide letter no. F 59069/C-9/NOC-244/2015 dated 16-04-2015.
4. Industry shall comply with the Ambient air quality standard 2009.
5. The industry shall operate and maintain installed APCS in such a manner to achieve the emission standards as prescribed under Environment (Protection) Rules, 1986.
6. Industry shall operate and maintain water sprinkler to suppress dust inside the premises. Industry shall maintain proper housekeeping and proper dust control arrangement at loading and unloading areas.
7. Industry has established Ambient Air Quality Monitoring Stations at 02 locations. Industry shall establish Ambient Air Quality Monitoring Stations at 01 more location at 120 degree apart from each other with connectivity to CPCB server within 06 months.
8. Industry shall install online continuous emission monitoring system and ensure its connectivity to CPCB server. Industry shall also calibrate installed OCEMS facility from recognized agency on six monthly basis.
9. Fly Ash/Solid waste shall be disposed in such manner, so that no water, air and soil pollution takes place. Industry shall comply with provisions of Fly Ash notification no. S.O. 254(E) dated 25-01-2016 and submit the compliance report quarterly.
10. Industry shall ensure the compliance of provisions of Noise Pollution (Regulation and Control) Rules 2000.
11. Industry shall submit the Stack/Ambient Air monitoring report of NABL accredited laboratory with 01 Months and thereafter on quarterly basis to the Board.
12. Industry shall comply with the provisions of Hazardous and Other waste (Management & Trans boundary Movement) Rules 2016.
13. Industry shall install/maintain Electro Magnetic Flow meters at Water withdrawal source and logbook of its reading shall be maintained properly.
14. Industry shall treat domestic effluent through Septic tank/soak pit.
15. Industry shall not discharge treated sewage water outside the industry premises.
16. Industry shall obtain necessary permission from UPGWA for withdrawal of ground water and shall install rain water harvesting system as per design of Ground Water Authority.
17. Industry shall develop and maintain green belt as per the guidelines issued by the Board vide office order dated 16/02/2018, which is available on Board's Website- www.uppcb.com.
18. Industry shall abide by directions given by Hon'ble Courts, MoEF&CC, Central Pollution Control Board and UPPCB for protection and safe guard of environment from time to time.
19. Industry shall submit environmental statement in prescribed format as per rule 14 of Environment (Protection) Act, 1986.
20. Consent fees if revised, shall be payable by industry from the date of its applicability.
21. If closure order is issued by CPCB or UPPCB against the unit, then CTO issued earlier will remain suspended during the closure period and after ensuring the compliance and after revocation of closure order, the CTO will automatically be effective with additional conditions mentioned in the closure revocation order.
22. Industry shall comply with the relevant provisions of Environmental Laws.

RAJENDRA SINGH

Digitally signed by RAJENDRA
SINGH
Date: 2023.02.28 10:02:16 +05'30'

Chief Environmental Officer (circle-2)

using

1622

Copy to:

Regional Officer, U.P. Pollution Control Board, Prayagraj with direction to send the compliance report of consent conditions on quarterly basis.

RAJENDRA SINGH

Digitally signed by RAJENDRA
SINGH
Date: 2023.02.28 10:02:31 +05'30'

Chief Environmental Officer (circle-2)

M/s Ultratech Cement Limited, Bara Cement works

Online stack monitoring

KHD Cement Mill Time	KHD Cement Mill PM (mg/nm ³)(avg)	KHD Cement Mill Stack Temperature (°C)(avg)	TKIL Cement Mill Stack PM (mg/nm ³)(avg)	TKIL Cement Mill Stack Stack Temperature (°C)(avg)
2025-02-08 00:00:00:000	0.81	14.02	0	10.77
2025-02-08 00:15:00:000	0.82	13.87	0	10.62
2025-02-08 00:30:00:000	0.82	13.73	0	10.43
2025-02-08 00:45:00:000	0.81	13.54	0	10.25
2025-02-08 01:00:00:000	0.8	13.48	0	10.13
2025-02-08 01:15:00:000	0.79	13.45	0	10.04
2025-02-08 01:30:00:000	0.79	13.28	0	9.91
2025-02-08 01:45:00:000	0.79	13.02	0	9.79
2025-02-08 02:00:00:000	0.8	12.74	0	9.68
2025-02-08 02:15:00:000	0.78	12.5	0	9.58
2025-02-08 02:30:00:000	0.79	12.36	0	9.48
2025-02-08 02:45:00:000	0.8	12.11	0	9.36
2025-02-08 03:00:00:000	0.81	11.32	0	9.12
2025-02-08 03:15:00:000	0.8	11.12	0	8.87
2025-02-08 03:30:00:000	0.81	11.13	0	8.56
2025-02-08 03:45:00:000	0.79	10.77	0	8.25
2025-02-08 04:00:00:000	0.79	10.23	0	8.03
2025-02-08 04:15:00:000	0.79	9.78	0	7.9
2025-02-08 04:30:00:000	0.78	9.58	6.01	7.71
2025-02-08 04:45:00:000	0.79	9.54	0	7.5
2025-02-08 05:00:00:000	0.78	9.49	0	7.32
2025-02-08 05:15:00:000	0.78	9.37	0	7.14
2025-02-08 05:30:00:000	0.79	9.14	0	6.97
2025-02-08 05:45:00:000	0.82	9.11	0	6.77
2025-02-08 06:00:00:000	0.81	9.03	0	6.51
2025-02-08 06:15:00:000	0.81	8.94	0	6.36
2025-02-08 06:30:00:000	0.81	8.64	0	6.24
2025-02-08 06:45:00:000	0.87	8.58	0	6.13
2025-02-08 07:00:00:000	0.87	8.59	0	5.99
2025-02-08 07:15:00:000	0.93	8.6	0	6.46
2025-02-08 07:30:00:000	11.59	10.09	0	6.87
2025-02-08 07:45:00:000	6.67	17.11	0	6.97
2025-02-08 08:00:00:000	9.82	15.93	0	7.14
2025-02-08 08:15:00:000	1.5	14.02	0	7.26
2025-02-08 08:30:00:000	1.08	13.22	0	7.47
2025-02-08 08:45:00:000	0.97	12.93	0	7.8
2025-02-08 09:00:00:000	6.36	15.85	0	8.62



2025-02-08 11:00:00:000	6.05	56.45	0	18.33
2025-02-08 11:15:00:000	9.68	58.78	0	18.74
2025-02-08 11:30:00:000	7.13	60.86	0	18.07
2025-02-08 11:45:00:000	5.89	62.69	0	17.01
2025-02-08 12:00:00:000	6.45	64.2	0	16.51
2025-02-08 12:15:00:000	7.45	65.4	0	16.5
2025-02-08 12:30:00:000	6.05	66.8	6.01	16.95
2025-02-08 12:45:00:000	5.24	68.2	0	17.47
2025-02-08 13:00:00:000	5.24	69.46	0	17.99
2025-02-08 13:15:00:000	6.75	70.99	0	18.18
2025-02-08 13:30:00:000	6.01	72.05	0	18.16
2025-02-08 13:45:00:000	6.88	72.86	0	18.38
2025-02-08 14:00:00:000	7.76	73.48	0	18.13
2025-02-08 14:15:00:000	6.83	74.13	0	18.68
2025-02-08 14:30:00:000	5.93	74.74	0	18.66
2025-02-08 14:45:00:000	7.06	75.02	0	18.53
2025-02-08 15:00:00:000	6.73	75.27	0	18.72
2025-02-08 15:15:00:000	7.71	75.52	0	18.8
2025-02-08 15:30:00:000	7.21	75.6	0	18.63
2025-02-08 15:45:00:000	4.3	76.04	0	18.49
2025-02-08 16:00:00:000	5.19	76.06	0	18.72
2025-02-08 16:15:00:000	5.67	76.04	0	19.03
2025-02-08 16:30:00:000	5.6	75.83	0	19.11
2025-02-08 16:45:00:000	5.77	75.26	0	19.3
2025-02-08 17:00:00:000	6.3	75.02	0	19.52
2025-02-08 17:15:00:000	6.48	75.06	0	19.77
2025-02-08 17:30:00:000	4.73	74.96	0	19.73
2025-02-08 17:45:00:000	5.41	74.84	0	19.4
2025-02-08 18:00:00:000	7.29	74.94	0	18.96
2025-02-08 18:15:00:000	4.13	75.15	0	18.5
2025-02-08 18:30:00:000	4.74	75	0	17.99
2025-02-08 18:45:00:000	6.1	74.96	0	17.53
2025-02-08 19:00:00:000	4.85	75.2	0	17.05
2025-02-08 19:15:00:000	8.42	75.02	0	16.73
2025-02-08 19:30:00:000	6.87	74.99	0	16.51
2025-02-08 19:45:00:000	9.14	74.77	0	16.34
2025-02-08 20:00:00:000	11.01	74.99	0	16.3
2025-02-08 20:15:00:000	14.25	75.1	0	16.27
2025-02-08 20:30:00:000	15.24	74.96	6.01	16.23
2025-02-08 20:45:00:000	15.8	74.66	0	16.23
2025-02-08 21:00:00:000	16.29	74.41	0	16.22
2025-02-08 21:15:00:000	19.27	74.18	0	16.21
2025-02-08 21:30:00:000	15.39	73.84	0	16.09
2025-02-08 21:45:00:000	15.15	73.64	0	15.89
2025-02-08 22:00:00:000	15.76	73.47	0	15.6
2025-02-08 22:15:00:000	16.15	73.25	0	15.37
2025-02-08 22:30:00:000	15.48	72.84	0	15.21
2025-02-08 22:45:00:000	13.29	72.2	0	14.93
2025-02-08 23:00:00:000	9.74	71.66	0	14.74
2025-02-08 23:15:00:000	8.45	71.3	0	14.55



[Handwritten signature]

2025-02-08 23:30:00:000	6.38	70.98	0	14.44
2025-02-08 23:45:00:000	7.05	70.88	0	14.31
2025-02-09 00:00:00:000	8.23	70.28	0	14.25
2025-02-09 00:15:00:000	7.96	69.35	0	14.1
2025-02-09 00:30:00:000	7.65	68.38	0	13.93
2025-02-09 00:45:00:000	7.65	67.66	0	13.72
2025-02-09 01:00:00:000	5.66	67.43	0	13.43
2025-02-09 01:15:00:000	4.75	67.25	0	13.21
2025-02-09 01:30:00:000	4.35	67.33	0	13.11
2025-02-09 01:45:00:000	5.39	67.47	0	12.95
2025-02-09 02:00:00:000	5.06	67.61	0	12.74
2025-02-09 02:15:00:000	5.2	67.94	0	12.45
2025-02-09 02:30:00:000	6.04	67.58	0	12.15
2025-02-09 02:45:00:000	7.36	67.21	0	11.87
2025-02-09 03:00:00:000	5.39	67.01	0	11.64
2025-02-09 03:15:00:000	4.95	66.89	0	11.47
2025-02-09 03:30:00:000	5.62	66.83	0	11.25
2025-02-09 03:45:00:000	6.07	66.91	0	11.23
2025-02-09 04:00:00:000	6.53	66.87	0	11.27
2025-02-09 04:15:00:000	6.96	67	0	11.19
2025-02-09 04:30:00:000	4.96	67.2	6.01	11.1
2025-02-09 04:45:00:000	5.15	67.36	0	11.21
2025-02-09 05:00:00:000	5.4	67.47	0	11.16
2025-02-09 05:15:00:000	6.44	67.3	0	11.24
2025-02-09 05:30:00:000	5.71	67.4	0	11.14
2025-02-09 05:45:00:000	5.29	67.36	0	11.15
2025-02-09 06:00:00:000	6.26	67.23	0	11.06
2025-02-09 06:15:00:000	5.27	67.03	0	10.98
2025-02-09 06:30:00:000	5.8	66.6	0	10.84
2025-02-09 06:45:00:000	6.42	66.37	0	10.7
2025-02-09 07:00:00:000	6.28	66.29	0	10.71
2025-02-09 07:15:00:000	8.03	66.34	0	10.66
2025-02-09 07:30:00:000	4.49	66.49	0	10.7
2025-02-09 07:45:00:000	5.02	66.83	0	10.71
2025-02-09 08:00:00:000	4.95	67.21	0	10.7
2025-02-09 08:15:00:000	5.23	67.54	0	10.68
2025-02-09 08:30:00:000	6.25	68.06	0	10.76
2025-02-09 08:45:00:000	3.72	68.88	0	10.99
2025-02-09 09:00:00:000	4.31	69.31	0	11.94
2025-02-09 09:15:00:000	5.2	69.44	0	13.55
2025-02-09 09:30:00:000	7.61	69.73	0	15.5
2025-02-09 09:45:00:000	4.89	69.81	0	17.32
2025-02-09 10:00:00:000	4.96	69.93	0	18.78
2025-02-09 10:15:00:000	5.05	70.35	0	20.43
2025-02-09 10:30:00:000	6.13	70.85	0	21.83
2025-02-09 10:45:00:000	7.23	71.25	0	
2025-02-09 11:00:00:000	4.59	71.7	0	
2025-02-09 11:15:00:000	13.66	72.06	0	
2025-02-09 11:30:00:000	4.49	72.3	0	
2025-02-09 11:45:00:000	5.77	72.98	0	



2025-02-09 12:00:00:000	6.68	73.91	0	23.94
2025-02-09 12:15:00:000	4.94	74.88	0	23.54
2025-02-09 12:30:00:000	3.99	75.5	7.14	23.18
2025-02-09 12:45:00:000	4.63	75.86	0	22.7
2025-02-09 13:00:00:000	5.24	75.97	0	22.35
2025-02-09 13:15:00:000	4.73	75.77	0	22.09
2025-02-09 13:30:00:000	6.49	75.92	0	22
2025-02-09 13:45:00:000	3.75	76.12	0	22.01
2025-02-09 14:00:00:000	4.24	76.2	0	22.19
2025-02-09 14:15:00:000	4.37	76.09	0	21.99
2025-02-09 14:30:00:000	4.47	75.88	0	22.21
2025-02-09 14:45:00:000	4.27	75.88	0	22.66
2025-02-09 15:00:00:000	4.54	75.98	0	23.34
2025-02-09 15:15:00:000	5.16	75.94	0	23.67
2025-02-09 15:30:00:000	5.43	76.57	0	23.85
2025-02-09 15:45:00:000	4.24	76.85	0	24.2
2025-02-09 16:00:00:000	4.83	76.7	0	24.46
2025-02-09 16:15:00:000	4.95	76.43	0	24.34
2025-02-09 16:30:00:000	5.75	76.25	0	24.13
2025-02-09 16:45:00:000	1.54	69.44	0	23.98
2025-02-09 17:00:00:000	1	61.47	0	23.7
2025-02-09 17:15:00:000	0.91	56.15	0	23.45
2025-02-09 17:30:00:000	0.88	52.69	0	23.17
2025-02-09 17:45:00:000	0.86	50.22	5.79	22.41
2025-02-09 18:00:00:000	0.87	48.2	1.14	21.08
2025-02-09 18:15:00:000	0.87	46.72	0	20.66
2025-02-09 18:30:00:000	0.85	45.19	0.02	21.14
2025-02-09 18:45:00:000	1.05	43.55	0.21	25.84
2025-02-09 19:00:00:000	0.97	41.98	0.01	32.63
2025-02-09 19:15:00:000	10.07	40.8	0.1	38.72
2025-02-09 19:30:00:000	0.88	39.65	0.05	44.89
2025-02-09 19:45:00:000	0.88	38.41	0.03	55.18
2025-02-09 20:00:00:000	0.91	37.06	0.09	61.62
2025-02-09 20:15:00:000	10.05	35.8	0.11	64.01
2025-02-09 20:30:00:000	0.86	34.86	12.5	64.39
2025-02-09 20:45:00:000	0.83	34.13	0.22	64.92
2025-02-09 21:00:00:000	0.88	32.96	0	65.98
2025-02-09 21:15:00:000	0.95	32.02	0	66.71
2025-02-09 21:30:00:000	0.89	31.25	0.35	68.11
2025-02-09 21:45:00:000	0.87	30.56	0.45	66.21
2025-02-09 22:00:00:000	0.87	29.69	0.38	66.69
2025-02-09 22:15:00:000	0.84	29.1	0	68.57
2025-02-09 22:30:00:000	0.82	28.61	0.18	66.75
2025-02-09 22:45:00:000	0.84	27.9	0	66.97
2025-02-09 23:00:00:000	0.92	27.02	0	66.19
2025-02-09 23:15:00:000	0.94	25.9	0	64.6
2025-02-09 23:30:00:000	0.87	25.4	0	67.4
2025-02-09 23:45:00:000	0.91	24.9	0	68.4
2025-02-10 00:00:00:000	0.87	24.41	0	67.48
2025-02-10 00:15:00:000	0.82	24.14	0	67.17



2025-02-10 00:30:00:000	0.84	23.84	0	63.37
2025-02-10 00:45:00:000	0.84	23.35	0.06	58.55
2025-02-10 01:00:00:000	0.85	22.71	0	48.65
2025-02-10 01:15:00:000	0.86	22.03	1.66	49.68
2025-02-10 01:30:00:000	0.98	21.51	0	58.11
2025-02-10 01:45:00:000	0.98	21.24	0	58.1
2025-02-10 02:00:00:000	0.88	20.39	0	59.42
2025-02-10 02:15:00:000	0.85	20.34	0.05	61.92
2025-02-10 02:30:00:000	0.88	20.83	0	62.28
2025-02-10 02:45:00:000	0.87	20.61	0.01	59.68
2025-02-10 03:00:00:000	0.91	19.93	0	62.46
2025-02-10 03:15:00:000	0.92	19.3	0	65.23
2025-02-10 03:30:00:000	0.94	18.45	0.04	64.97
2025-02-10 03:45:00:000	0.96	17.77	0	56.65
2025-02-10 04:00:00:000	2.25	18.69	0	52.32
2025-02-10 04:15:00:000	8.23	30.48	0	49.62
2025-02-10 04:30:00:000	5.66	33.07	12.01	47.77
2025-02-10 04:45:00:000	3.83	35.75	0	45.89
2025-02-10 05:00:00:000	8.49	32.65	0	44.06
2025-02-10 05:15:00:000	5.07	34.94	0	42.65
2025-02-10 05:30:00:000	5.35	44.29	0	41.35
2025-02-10 05:45:00:000	5.59	49.88	0	40.16
2025-02-10 06:00:00:000	5.56	52.72	0	39.01
2025-02-10 06:15:00:000	5.35	54.69	0	37.92
2025-02-10 06:30:00:000	5.31	56.33	0	37.05
2025-02-10 06:45:00:000	5.25	57.78	0	36.3
2025-02-10 07:00:00:000	5.86	58.96	0	35.54
2025-02-10 07:15:00:000	5.54	60.34	0	34.74
2025-02-10 07:30:00:000	5.6	61.36	0	34
2025-02-10 07:45:00:000	5.93	62.16	0	33.45
2025-02-10 08:00:00:000	5.46	62.79	0	33.08
2025-02-10 08:15:00:000	6.04	63.57	0	32.65
2025-02-10 08:30:00:000	6.19	64.43	0	32.3
2025-02-10 08:45:00:000	5.54	65.28	0	32.07
2025-02-10 09:00:00:000	5.74	66.19	0	32.3
2025-02-10 09:15:00:000	5.6	67.08	0	32.91
2025-02-10 09:30:00:000	5.46	67.95	0	33.38
2025-02-10 09:45:00:000	4.88	68.81	0	33.66
2025-02-10 10:00:00:000	5.1	69.92	0	33.68
2025-02-10 10:15:00:000	5.19	70.82	0	33.88
2025-02-10 10:30:00:000	4.59	71.14	0	34.07
2025-02-10 10:45:00:000	4.05	70.57	0	34.23
2025-02-10 11:00:00:000	4.38	70.51	0	34.32
2025-02-10 11:15:00:000	13.63	70.95	0	34.39
2025-02-10 11:30:00:000	4.17	71.65	0	34.45
2025-02-10 11:45:00:000	3.99	72.28	0	34.5
2025-02-10 12:00:00:000	4.01	72.95	0	34.71
2025-02-10 12:15:00:000	3.9	73.72	0	34.85
2025-02-10 12:30:00:000	3.82	74.17	12.01	34.97
2025-02-10 12:45:00:000	3.75	74.81	0	32.98



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2025-02-10 13:00:00:000	3.73	75.25	0	32.7
2025-02-10 13:15:00:000	3.56	75.56	0	32.49
2025-02-10 13:30:00:000	3.37	75.71	0	32.26
2025-02-10 13:45:00:000	3.49	76.16	0	32.16
2025-02-10 14:00:00:000	3.16	76.51	0	31.89
2025-02-10 14:15:00:000	2.94	76.52	0	31.7
2025-02-10 14:30:00:000	3.31	76.53	0	31.68
2025-02-10 14:45:00:000	3.15	76.67	0	31.6
2025-02-10 15:00:00:000	3.09	76.54	0	31.48
2025-02-10 15:15:00:000	2.92	76.63	0	31.33
2025-02-10 15:30:00:000	2.96	76.62	0	31.25
2025-02-10 15:45:00:000	2.85	76.91	0	31.22
2025-02-10 16:00:00:000	3.09	76.74	0	31.19
2025-02-10 16:15:00:000	2.9	76.41	0	31.07
2025-02-10 16:30:00:000	2.85	76.25	0	30.89
2025-02-10 16:45:00:000	3.07	76.18	0	30.75
2025-02-10 17:00:00:000	2.92	76.13	0	30.56
2025-02-10 17:15:00:000	3.03	76.28	0	30.46
2025-02-10 17:30:00:000	3.02	76.21	0	30.26
2025-02-10 17:45:00:000	2.91	76.18	0	30.03
2025-02-10 18:00:00:000	3.04	76.31	0	29.7
2025-02-10 18:15:00:000	3.01	76.54	0	29.44
2025-02-10 18:30:00:000	3.09	76.49	0	29.21
2025-02-10 18:45:00:000	3.08	76.44	0	28.87
2025-02-10 19:00:00:000	2.94	76.38	0	28.54
2025-02-10 19:15:00:000	2.39	76.33	0	28.19
2025-02-10 19:30:00:000	3.23	76.18	0	27.98
2025-02-10 19:45:00:000	3.32	76.04	0	27.74
2025-02-10 20:00:00:000	3.15	76.08	0	27.52
2025-02-10 20:15:00:000	7.47	76.18	0	27.34
2025-02-10 20:30:00:000	3.35	76.1	12.01	27.18
2025-02-10 20:45:00:000	3.07	76.08	0	26.94
2025-02-10 21:00:00:000	3.08	76.03	0	26.7
2025-02-10 21:15:00:000	3.29	75.83	0	26.53
2025-02-10 21:30:00:000	3.1	75.56	0	26.36
2025-02-10 21:45:00:000	3.37	75.3	0	26.19
2025-02-10 22:00:00:000	3.29	75.02	0	25.98
2025-02-10 22:15:00:000	3.05	75.01	0	25.8
2025-02-10 22:30:00:000	3.17	74.95	0	25.64
2025-02-10 22:45:00:000	3.19	74.78	0	25.32
2025-02-10 23:00:00:000	3.12	74.69	0	24.93
2025-02-10 23:15:00:000	3.43	74.52	0	24.45
2025-02-10 23:30:00:000	3.42	74.05	0	24.38
2025-02-10 23:45:00:000	3.4	73.38	0	24.2
2025-02-11 00:00:00:000	3.56	72.68	0	23.8
2025-02-11 00:15:00:000	3.27	72.06	0	23.4
2025-02-11 00:30:00:000	3.4	71.62	0	23.0
2025-02-11 00:45:00:000	3.55	71.29	0	22.6
2025-02-11 01:00:00:000	3.31	70.88	0	22.2
2025-02-11 01:15:00:000	3.35	70.94	0	21.97



2025-02-11 01:30:00:000	3.22	71.07	0	21.86
2025-02-11 01:45:00:000	3.32	71.23	0	21.72
2025-02-11 02:00:00:000	3.32	71.33	0	21.66
2025-02-11 02:15:00:000	3.29	71.3	0	21.52
2025-02-11 02:30:00:000	3.09	71.5	0	21.42
2025-02-11 02:45:00:000	3	71.62	0	21.19
2025-02-11 03:00:00:000	3.1	71.75	0	21.04
2025-02-11 03:15:00:000	3.07	71.68	0	20.92
2025-02-11 03:30:00:000	2.72	71.46	0	20.85
2025-02-11 03:45:00:000	2.89	71.35	0	20.68
2025-02-11 04:00:00:000	2.62	71.44	0	20.5
2025-02-11 04:15:00:000	2.69	70.85	0	20.45
2025-02-11 04:30:00:000	1.76	66.45	12.01	20.33
2025-02-11 04:45:00:000	0.85	58.54	0	20.12
2025-02-11 05:00:00:000	0.84	53.96	0	19.83
2025-02-11 05:15:00:000	0.81	50.24	0	18.97
2025-02-11 05:30:00:000	0.83	47.11	0	18.27
2025-02-11 05:45:00:000	0.82	44.53	0	17.94
2025-02-11 06:00:00:000	0.82	41.99	0	17.56
2025-02-11 06:15:00:000	0.82	39.63	0	17.16
2025-02-11 06:30:00:000	0.82	37.81	0	16.76
2025-02-11 06:45:00:000	0.82	36.15	0	16.33
2025-02-11 07:00:00:000	0.85	34.86	0	16.11
2025-02-11 07:15:00:000	0.83	34.02	0	15.94
2025-02-11 07:30:00:000	0.85	33.08	0	15.78
2025-02-11 07:45:00:000	0.9	32.16	0	15.62
2025-02-11 08:00:00:000	0.85	31.3	0	15.62
2025-02-11 08:15:00:000	0.85	30.66	0	15.74
2025-02-11 08:30:00:000	0.86	30.24	0	15.95
2025-02-11 08:45:00:000	0.84	29.59	0	16.25
2025-02-11 09:00:00:000	1.02	28.72	0	17.14
2025-02-11 09:15:00:000	0.92	28.28	0	18.56
2025-02-11 09:30:00:000	1.12	27.97	0	19.97
2025-02-11 09:45:00:000	0.84	28.07	0	21.18
2025-02-11 10:00:00:000	0.84	28.34	0	22.38
2025-02-11 10:15:00:000	0.86	28.66	0	23.71
2025-02-11 10:30:00:000	0.87	29.15	0	24.88
2025-02-11 10:45:00:000	0.83	29.65	0	25.73
2025-02-11 11:00:00:000	0.83	30.5	0	26.26
2025-02-11 11:15:00:000	5.41	31.42	0	26.27
2025-02-11 11:30:00:000	0.99	31.9	0	26.16
2025-02-11 11:45:00:000	0.82	32.49	0	26.01
2025-02-11 12:00:00:000	0.8	33.04	0	25.92
2025-02-11 12:15:00:000	0.82	33.49	0	26.07
2025-02-11 12:30:00:000	0.83	33.91	12.01	26.25
2025-02-11 12:45:00:000	0.79	34.41	0	26.91
2025-02-11 13:00:00:000	0.77	34.93	0	25.86
2025-02-11 13:15:00:000	0.77	35.47	0	25.81
2025-02-11 13:30:00:000	0.76	35.93	0	25.82
2025-02-11 13:45:00:000	0.76	36.29	0	26.02



1630

2025-02-11 14:00:00:000	0.8	36.51	0	26.21
2025-02-11 14:15:00:000	0.75	36.32	0	26.38
2025-02-11 14:30:00:000	0.76	35.95	0	26.5
2025-02-11 14:45:00:000	0.78	35.58	0	26.57
2025-02-11 15:00:00:000	0.79	34.99	0	26.57
2025-02-11 15:15:00:000	0.82	34.37	0	26.53
2025-02-11 15:30:00:000	0.8	33.88	0	26.48
2025-02-11 15:45:00:000	0.79	33.73	0	26.41
2025-02-11 16:00:00:000	0.79	33.63	0	26.27
2025-02-11 16:15:00:000	0.8	33.5	0	26.09
2025-02-11 16:30:00:000	0.79	33	0	25.89
2025-02-11 16:45:00:000	0.83	32.18	0	25.56
2025-02-11 17:00:00:000	0.82	31.24	0	25.24
2025-02-11 17:15:00:000	0.82	30.44	0	24.87
2025-02-11 17:30:00:000	0.83	29.7	0	24.47
2025-02-11 17:45:00:000	0.83	28.88	0	24.1
2025-02-11 18:00:00:000	0.82	28.05	0	23.71
2025-02-11 18:15:00:000	0.83	27.34	0	23.32
2025-02-11 18:30:00:000	0.83	26.51	0	22.98
2025-02-11 18:45:00:000	0.82	25.9	0	22.73
2025-02-11 19:00:00:000	0.82	25.41	0	22.54
2025-02-11 19:15:00:000	6.48	24.95	0	22.37
2025-02-11 20:15:00:000	0.83	24.05	0	21.96
2025-02-11 20:30:00:000	0.82	23.66	12.87	21.83
2025-02-11 20:45:00:000	0.83	22.92	0	21.51
2025-02-11 21:00:00:000	0.82	21.95	0	21.17
2025-02-11 21:15:00:000	0.83	21.05	0	20.94
2025-02-11 21:30:00:000	0.83	20.49	0	20.75
2025-02-11 21:45:00:000	0.83	20.08	0	20.63
2025-02-11 22:00:00:000	0.82	19.87	0	20.6
2025-02-11 22:15:00:000	0.83	19.56	0	20.54
2025-02-11 22:30:00:000	0.83	19.33	0	20.49
2025-02-11 22:45:00:000	0.82	19.17	0	20.46
2025-02-11 23:00:00:000	0.82	19.06	0	20.42
2025-02-11 23:15:00:000	0.82	18.9	0	20.24
2025-02-11 23:30:00:000	0.82	18.77	0	20.14
2025-02-11 23:45:00:000	0.82	19.23	0	20.04
2025-02-12 00:00:00:000	0.82	19.5	0	19.97
2025-02-12 00:15:00:000	0.83	19.67	0	19.9
2025-02-12 00:30:00:000	0.82	19.12	0	19.76
2025-02-12 00:45:00:000	0.82	19.08	0	19.62
2025-02-12 01:00:00:000	0.82	19	0	19.36
2025-02-12 01:15:00:000	0.82	18.31	0	19.09
2025-02-12 01:30:00:000	0.82	17.71	0	
2025-02-12 01:45:00:000	0.82	17.82	0	
2025-02-12 02:00:00:000	0.82	17.7	0	
2025-02-12 02:15:00:000	0.83	17.6	0	
2025-02-12 02:30:00:000	0.82	17.5	0	
2025-02-12 02:45:00:000	0.83	17.01	0	17.73
2025-02-12 03:00:00:000	0.82	16.56	0	17.5



M/s Ultratech Cement Limited,

Report Type: Stationwise Report- Static Details and Interval: hour | Time Range : 2025-02-08 00:00:00 to 2025-02-10 12:00:00 | Parameter : AQMS_1-PM10

Report Created by UTCL on 2025-02-13 18:01:08

Date (YYYY-MM-DD hh)	AQMS_1 PM10 (ug/m3)	AQMS_1 PM2.5 (ug/m3)	AQMS_2 PM10 (ug/m3)	AQMS_2 PM2.5 (ug/m3)
2025-02-08 00	68.64	32.2	85.04	20.24
2025-02-08 01	80.08	11.76	83.92	20.24
2025-02-08 02	105.6	29.23	78.44	20.24
2025-02-08 03	73.58	34.88	63.72	20.24
2025-02-08 04	76.04	33.62	49.29	20.24
2025-02-08 05	81.19	31.46	44.35	20.24
2025-02-08 06	102.98	35.31	42.33	20.24
2025-02-08 07	62.77	43.43	43.77	20.24
2025-02-08 08	59.16	62.32	47.96	20.24
2025-02-08 09	61.77	54.77	52.27	20.24
2025-02-08 10	97.12	58.33	63.37	20.24
2025-02-08 11	63.19	54.16	58.87	20.24
2025-02-08 12	53.01	52.96	52.29	20.24
2025-02-08 13	49.63	56.04	56.8	20.24
2025-02-08 14	66	58.36	49.32	20.24
2025-02-08 15	95.85	49.4	57.89	20.24
2025-02-08 16	70.98	62.03	72.58	20.24
2025-02-08 17	60.89	47.63	94.9	20.24
2025-02-08 18	44.26	42.76	76.07	20.24
2025-02-08 19	64.04	48.34	60.95	20.24
2025-02-08 20	74.85	20.57	75.49	20.24
2025-02-08 21	96.28	43.22	70.84	20.24
2025-02-08 22	84.87	48.34	64.68	20.24
2025-02-08 23	81.82	48.34	53.93	20.24
2025-02-09 00	73.36	0.84	43.02	20.24
2025-02-09 01	71.07	32.12	98.66	20.24
2025-02-09 02	52.67	57.23	98.93	20.24
2025-02-09 03	73.7	56.94	64.77	20.24
2025-02-09 04	94.69	51.85	76.22	20.24
2025-02-09 05	58.12	52.18	62.43	20.24
2025-02-09 06	59.09	50.01	72.38	20.24
2025-02-09 07	64.07	56.54	66.85	20.24
2025-02-09 08	90.44	51.59	67.26	20.24
2025-02-09 09	85.47	50.13	79.2	20.24
2025-02-09 10	75.73	36.38	84.67	20.24
2025-02-09 11	60.01	45.33	63.25	20.24
2025-02-09 12	65.76	42.1	96.88	20.24
2025-02-09 13	55.7	35.7	79.49	20.24
2025-02-09 14	98.2	57.8	58.2	20.24
2025-02-09 15	69.2	43.7	58.58	20.24
2025-02-09 16	4.84	0.04	52.18	20.24
2025-02-09 17	25.46	15.76	42.05	20.24
2025-02-09 18	42.49	20.6	52.69	20.24
2025-02-09 19	66.7	10.62	71.47	20.24
2025-02-09 20	86.22	18.62	74.35	20.24
2025-02-09 21	93.97	29.16	89.36	20.24
2025-02-09 22	92.8	31.81	70.19	20.24
2025-02-09 23	87.18	9.63	76.78	20.24
Min	4.84	0.04	42.05	20.24
Max	105.6	62.32	98.93	20.24
Avg	71.40	39.92	66.64	20.24



M/s Ultratech Cement Limited,

Report Type: Stationwise Report- Static Details and Interval: hour | Time Range : 2025-02-08 00:00:00 to 2025-02-10 12:00:00 | Parameter : AAQMS_1 & AQMS 2-PM10

Report Created by UTCL on 2025-02-13 18:01:08

Date (YYYY-MM-DD hh)	AQMS_1 PM10 (ug/m3)	AQMS_1 PM2.5 (ug/m3)	AQMS_2 PM10 (ug/m3)	AQMS_2 PM2.5 (ug/m3)
2025-02-10 00	80.1	88.38	95.47	20.24
2025-02-10 01	54.98	16.66	60.5	20.24
2025-02-10 02	81.45	44.88	80.96	20.24
2025-02-10 03	77.92	59.93	74.88	27.24
2025-02-10 04	89.81	60.68	86.66	20.24
2025-02-10 05	94.68	58.12	56.44	20.24
2025-02-10 06	67.68	55.69	74.82	20.24
2025-02-10 07	69.12	52.35	77.61	20.24
2025-02-10 08	76.29	60.16	61.81	20.24
2025-02-10 09	74.25	58.59	59.28	26.24
2025-02-10 10	66.65	48.06	98.45	20.24
2025-02-10 11	75.6	48.9	86.86	20.24
2025-02-10 12	66.8	43.8	70.7	40.24
2025-02-10 13	81.45	44.88	60.96	20.24
2025-02-10 14	77.92	59.93	74.88	27.24
2025-02-10 15	89.81	60.68	86.66	20.24
2025-02-10 16	94.68	58.12	56.44	20.24
2025-02-10 17	67.68	55.69	99.82	27.24
2025-02-10 18	69.12	52.35	77.61	22.24
2025-02-10 19	76.29	60.16	61.81	24.24
2025-02-10 20	81.45	44.88	50.96	20.24
2025-02-10 21	77.92	59.93	74.88	27.24
2025-02-10 22	87.68	55.69	74.82	20.24
2025-02-10 23	79.12	52.35	77.61	20.24
Min	54.98	16.66	50.96	20.24
Max	94.68	88.38	99.82	40.24
Avg	77.44	54.20	74.20	22.74



M/s Ultratech Cement Limited,

Report Type: Stationwise Report- Static Details and Interval: hour | Time Range : 2025-02-08 00:00:00 to 2025-02-10 12:00:00
& AQMS_2-PM10

Report Created by UTCL on 2025-02-13 18:01:08

Date (YYYY-MM-DD hh)	AQMS_1 PM10 (ug/m3)	AQMS_1 PM2.5 (ug/m3)	AQMS_2 PM10 (ug/m3)
2025-02-11 00	81.45	48.38	95.47
2025-02-11 01	77.92	36.66	60.5
2025-02-11 02	89.81	44.88	80.96
2025-02-11 03	94.68	59.93	74.88
2025-02-11 04	67.68	50.68	86.66
2025-02-11 05	69.12	48.12	56.44
2025-02-11 06	76.29	35.69	74.82
2025-02-11 07	81.45	42.35	77.61
2025-02-11 08	77.92	54.22	61.81
2025-02-11 09	87.68	60.16	59.28
2025-02-11 10	66.65	48.06	98.45
2025-02-11 11	75.6	48.9	86.86
2025-02-11 12	70.1	43.8	58.2
2025-02-11 13	58.98	48.38	58.58
2025-02-11 14	80.4	36.66	52.18
2025-02-11 15	67.92	44.88	42.05
2025-02-11 16	79.81	59.93	52.69
2025-02-11 17	93.68	50.68	71.47
2025-02-11 18	67.68	48.12	74.35
2025-02-11 19	69.12	35.69	89.36
2025-02-11 20	76.29	42.35	70.19
2025-02-11 21	91.25	54.22	76.78
2025-02-11 22	66.65	60.16	64.82
2025-02-11 23	75.6	48.06	57.61
Min	58.98	35.69	42.05
Max	94.68	60.16	98.45
Avg	76.82	47.96	70.08



M/s Ultratech Cement Limited,

Report Type: Stationwise Report - Static Details and Interval: hour | Time Range : 2025-02-08 00:00:00 to 2025-02-10 12:00:00 | Parameter :
AAQMS_1 & AQMS_2-PM10

Report Created by UTCL on 2025-02-13 18:01:08

Date (YYYY-MM-DD hh)	AQMS_1 PM10 (ug/m3)	AQMS_1 PM2.5 (ug/m3)	AQMS_2 PM10 (ug/m3)	AQMS_2 PM2.5 (ug/m3)
2025-02-12 00	70.1	48.38	65.47	42.35
2025-02-12 01	58.98	36.66	67.53	30.16
2025-02-12 02	80.4	44.88	74.9	44.88
2025-02-12 03	67.92	59.93	78.8	49.93
2025-02-12 04	79.81	50.68	66.66	35.69
2025-02-12 05	93.68	48.12	86.44	22.35
2025-02-12 06	67.68	35.69	77.85	27.35
2025-02-12 07	69.12	42.35	71.61	37.27
2025-02-12 08	76.29	54.22	61.81	30.24
2025-02-12 09	101.25	60.16	59.28	34.2
2025-02-12 10	66.65	48.06	96.45	30.27
2025-02-12 11	75.6	48.9	73.86	31.29
2025-02-12 12	66.8	43.8	69.7	22.24
2025-02-12 13	81.45	44.88	67.92	30.22
2025-02-12 14	77.92	59.93	64.81	36.20
2025-02-12 15	69.81	60.68	88.61	31.24
2025-02-12 16	97.68	58.12	56.44	22.24
2025-02-12 17	67.68	55.69	65.8	24.24
2025-02-12 18	70.12	42.35	71.6	37.24
2025-02-12 19	73.29	30.16	61.81	36.25
2025-02-12 20	83.43	44.88	50.96	30.24
2025-02-12 21	70.9	49.93	54.88	31.24
2025-02-12 22	83.68	35.69	64.82	40.24
2025-02-12 23	79.12	22.35	57.61	28.24
Min	58.98	22.35	50.96	22.24
Max	101.25	60.68	96.45	49.93
Avg	76.22	46.94	68.98	32.59





REGIONAL LABORATORY PRAYAGRAJ
UTTAR PRADESH POLLUTION CONTROL BOARD
 Sector-10, Yojna No.-3 Avas Vikas Parishad Colony, Jhusi, Prayagraj



TEST REPORT: WASTE WATER LABORATORY

Ref No: 30482370/Allahabad/2025

Date:17/02/2025

- 1- Name of Industry: ULTRATECH CEMENT LIMITED, UltraTech Cement Bara Grinding Unit,P.O. Lohgara,PRAYAGRAJ,212107
- 2- Address of Industry: UltraTech Cement Bara Grinding Unit,P.O. Lohgara,PRAYAGRAJ,212107
- 3- District: Prayagraj
- 4- Description about sampling point: Outlet of STP
- 5- Type of Sample (Grab/Composite/Integrated): Grab
- 6- Sample Collected By: Sri Kaushal Kumar AEE & -- --
- 7- Colour and Odour: Colorless Odourless
- 8- Quantity and Packing: 2 liter jerican, MPN Bottle
- 9- Date of Sample Collection: 13/02/2025
- 10- Analysis Indented by: RO Allahabad
- 11- Date of sample receipt in Lab: 13/02/2025
- 12- Period of Analysis: 4 Days
- 13- ULR Number: --
- 14- Sampling Plan/Ref. No.: Quarterly
- 15- Sampling Method Ref.: APHA 24th Edition 2023- 1060 A, B, C, Page No.- 42- 52, Collection & Preservation of Samples

S. N.	Parameter/Method Name	Unit	Results	Standard	Detection Range
1	pH, APHA 24th Ed. 4500B: 2023	-	7.41	6.5-9.0	02-12
2	Suspended Solids , APHA 24th Ed. 2540 D Total Suspended Solids dried at 103-105 °C 2023	mg/l	74	<100 mg/L	10-20000 mg/l
3	BOD, APHA 24th Ed. 3 day 27 °C IS 3025 (Part 44): 1993 Bio 2023	mg/l	23.2	30 mg/L	1.0 -50000 mg/l
4	COD, APHA 24th Ed. 5220 B Open Reflux Method 2023	mg/l	96	--	5.0 -100000 mg/l

Reference- (1) General Standards for discharge of environmental pollutants are as part-A Effluent (Schedule-VI), The Environment (Protection) Rules,1986 source: www.epcb.nic.in/GeneralStandards.pdf. Besides these standards, refer EPA standards for specific purpose

Note: 1. The results in the Test Report relate only to the items tested. 2. The report shall not be reproduced-except in full, without the written permission of laboratory. 3. The test report pertains to the sample as received in Lab.

Remark: NA

Analysed by-
[Dr Anup Kumar Gupta (JRF)]

Authorized by

Rajesh Singh (SA) Rajesh Singh
Digitally signed by Rajesh Singh
 Date: 2025.02.17
 10:51:49 +05:30

SURESH CHANDRA SHUKLA
Digitally signed by SURESH CHANDRA SHUKLA
 Date: 2025.02.17
 10:50:10 +05:30

Regional Officer

UPPCB/CL/7.8.2	Issue No.: 01	Issue Date:17.02.2025	Page No.:Page 1 of 2
Amendment No.:00	Amendment Date.:17.02.2025	Approved by: TM	Issued by: QM



1636

REGIONAL LABORATORY PRAYAGRAJ
UTTAR PRADESH POLLUTION CONTROL BOARD
Sector-10, Yojna No.-3 Avas Vikas Parishad Colony, Jhusi, Prayagraj

सं. 11/17



TEST REPORT: WATER LABORATORY(GROUND WATER)

Ref No: 30458582/Allahabad/2025

Date:18/02/2025

- 1- Sample Location: Hand Pump from house of Sri Raj Bahadur Yadav, Vill- Berui, Tahsil- Bara
- 2- Address: Berui
- 3- Distiret: Prayagraj
- 4- Sample Source: Handpump
- 5- Type of sample : Ground Water
- 6- Sample Collected By : Rajesh Singh (SA), Kaushal Kumar (AEE)
- 7- Odour : None
- 8- Quantity and Packing : 2L Jerican
- 9- Date of Sample Collection : 13/02/2025
- 10- Analysis Indented by : RO Allahabad
- 11- Date of sample receipt in Lab : 13/02/2025

Parameter	Unit	Standards Source: IS 10500:2012(2nd Rev.) Required Acceptable Limit	Results	Detection Range
pH, APHA 24th Ed.4500-B: 2023	-	6.5-8.5	7.11	02-12
Dissolved Solids, APHA 24th Ed. 2540 C Total Dissolved Solids dried at 180 °C 2023	mg/l	500	948	5-10000 mg/l
Hardness, APHA 24th Ed. 2340 C EDTA Titrimetric Method 2023	mg/l	200	570	10-5000 mg/l
Calcium, APHA 24th Ed. 3500Ca-B: 2023	mg/l	75	170	10-1000 mg/l
Magnesium, APHA 24th Ed. 3500 Mg-B: 2023	mg/l	30	35	10-1000 mg/l
Chloride, APHA 24th Ed 4500-Cl- B: 2023	mg/l	250	240	3-500 mg/l
Alkalinity, APHA 24th Ed. 2320: 2023	mg/l	200	206	20-5000 mg/l

These standards are subject to revision

*Non-NABL Parameters.

Note : 1. The results in the Test Report relate only to the items tested; 2. The report shall not be reproduced-except in full, without the written permission of laboratory; 3. The test report pertains to the sample as received in Lab.

Remark:* - NA

Analysed by
[Ankita Mishra (JRF), Sandeep
Giri(JRF)]

Authorized by
Rajesh Singh (SA)

Rajesh Singh
Digitally signed
by Rajesh Singh
Date:
2025.02.18
12:44:08 +05'30'

SURESH CHANDRA SHUKLA
Digitally signed by
SURESH CHANDRA
SHUKLA
Date: 2025.02.18
13:00:46 +05'30'
Regional Officer



1637
REGIONAL LABORATORY PRAYAGRAJ
UTTAR PRADESH POLLUTION CONTROL BOARD
Sector-10, Yojna No.-3 Avas Vikas Parishad Colony, Jhusi, Prayagraj



TEST REPORT: WATER LABORATORY(GROUND WATER)

Ref No: 30458409/Allahabad/2025

Date:18/02/2025

- 1- Sample Location: Hand Pump in front of Sri Krishna kant Vishwakarma house, Vill- Kapari, Tahsil- Bara
- 2- Address: Vill Kapari
- 3- Distirct: Prayagraj
- 4- Sample Source: Handpump
- 5- Type of sample : Ground Water
- 6- Sample Collected By : Rajesh Singh (SA), Kaushal Kumar (AEE)
- 7- Odour : None
- 8- Quantity and Packing : 2L Jerican
- 9- Date of Sample Collection : 13/02/2025
- 10- Analyis Indented by : RO Allahabad
- 11- Date of sample receipt in Lab : 13/02/2025

Parameter	Unit	Standards Source: IS 10500:2012(2nd Rev.) Required Acceptable Limit	Results	Detection Range
pH, APHA 24th Ed.4500-B: 2023	-	6.5-8.5	7.07	02-12
Dissolved Solids, APHA 24th Ed. 2540 C Total Dissolved Solids dried at 180 °C 2023	mg/l	500	390	5-10000 mg/l
Hardness, APHA 24th Ed. 2340 C EDTA Titrimetric Method 2023	mg/l	200	242	10-5000 mg/l
Calcium, APHA 24th Ed. 3500Ca-B: 2023	mg/l	75	68	10-1000 mg/l
Magnesium, APHA 24th Ed. 3500 Mg-B: 2023	mg/l	30	17	10-1000 mg/l
Chloride, APHA 24th Ed 4500-Cl- B: 2023	mg/l	250	77	3-500 mg/l
Alkalinity, APHA 24th Ed. 2320: 2023	mg/l	200	246	20-5000 mg/l

These standards are subject to revision

*Non-NABL Parameters.

Note : 1 The results in the Test Report relate only to the items tested: 2. The report shall not be reproduced-except in full, without the written permission of laboratory. 3. The test report pertains to the sample as received in Lab.

Remark:* - NA

Analysed by
[Ankita Mishra (JRF), Sandeep
Giri(JRF)]

Authorized by
Rajesh Singh (SA)

Rajesh
Singh

Digitally signed
by Rajesh Singh
Date: 2025.02.18
12:45:33 +05'30'

SURESH
CHANDRA
SHUKLA
Digitally signed by
SURESH CHANDRA
SHUKLA
Date: 2025.02.18
12:59:07 +05'30'
Regional Officer



1638

REGIONAL LABORATORY PRAYAGRAJ
UTTAR PRADESH POLLUTION CONTROL BOARD
Sector-10, Yojna No.-3 Avas Vikas Parishad Colony, Jhusi, Prayagraj



TEST REPORT: WATER LABORATORY(GROUND WATER)

Ref No: 30457196/Allahabad/2025

Date:18/02/2025

- 1- Sample Location: RO Water in Front of Sri Rajendra Yadav House, Berui, Tahsil Bara
- 2- Address: Berui
- 3- Distirct: Prayagraj
- 4- Sample Source: Other
- 5- Type of sample : Ground Water
- 6- Sample Collected By : Rajesh Singh (SA), Kaushal Kumar (AEE)
- 7- Odour : None
- 8- Quantity and Packing : 2L Jerican
- 9- Date of Sample Collection : 13/02/2025
- 10- Analysis Indented by : RO Allahabad
- 11- Date of sample receipt in Lab : 13/02/2025

Parameter	Unit	Standards Source: IS 10500:2012(2nd Rev.) Required Acceptable Limit	Results	Detection Range
pH, APHA 24th Ed.4500-B: 2023	-	6.5-8.5	7.02	02-12
Dissolved Solids, APHA 24th Ed. 2540 C Total Dissolved Solids dried at 180 °C 2023	mg/l	500	120	5-10000 mg/l
Hardness, APHA 24th Ed. 2340 C EDTA Titrimetric Method 2023	mg/l	200	56	10-5000 mg/l
Calcium, APHA 24th Ed. 3500Ca-B: 2023	mg/l	75	14	10-1000 mg/l
Magnesium, APHA 24th Ed. 3500 Mg-B: 2023	mg/l	30	5	10-1000 mg/l
Chloride, APHA 24th Ed 4500-Cl- B: 2023	mg/l	250	20	3-500 mg/l
Alkalinity, APHA 24th Ed. 2320: 2023	mg/l	200	62	20-5000 mg/l

These standards are subject to revision

*Non-NABL Parameters.

Note : 1 The results in the Test Report relate only to the items tested; 2. The report shall not be reproduced-except in full, without the written permission of laboratory; 3. The test report pertains to the sample as received in Lab.

Remark:* - NA

Analysed by
[Firdaus Jahan (JRF), Ankita Mishra (JRF)]

Authorized by
Rajesh Singh (SA)

Rajesh Singh
Digitally signed by Rajesh Singh
Date: 2025.02.18 12:44:54 +05'30'

SURESH CHANDRA SHUKLA
Digitally signed by SURESH CHANDRA SHUKLA
Date: 2025.02.18 13:00:13 +05'30'
Regional Officer

WORK ORDER

VENDOR DETAILS	ORDER DETAILS
Vendor Code : 100004025 DIVYANSH RO WATER SUPPLIER NIVI CT LOHGARA BAZAR JASRA PRAYAGRAJ: 212106,India Attn : Tel : 9511068812 E-mail : Vendor GST No.: 09CFJPS6386B1ZZ Vendor PAN No. CFJPS6386B	Work Order Ref : 6000001951 Date : 14.08.2024 Currency : INR Company Representative : PRABHANS KUMAR SRIVASTA Email : prabhans.srivastava@ppgcl.co.in Our Reference No : Contractor's Quote reference : OLA Reference No :- NA Company GST No.: 09AAECP2746B1ZM

Sir,

With reference to our RFQ No.- 2000002639, we are pleased to place an Order as per terms and conditions given below*

The Work Order constitutes Company's offer to Contractor upon the terms and conditions stated herein and shall become a binding Contract, when it is accepted either by Contractor's acknowledgement or performance. The Work Order expressly limits acceptance to the terms and conditions stated herein. Any additional or different terms or conditions proposed by Contractor are objected to and hereby rejected, including without limitation, Contractors quotation or acknowledgement forms. Any reference in the Work Order to Contractors quotation or proposal does not imply acceptance of any terms or conditions in that quotation or proposal. It is important that Contractor signs and returns the Work Order copy within (3) days of receipt. No other forms of acceptance will be accepted. Failure to return the acceptance does not diminish the responsibilities as set forth herein, but may result in delay to any payment that may be due to and may be a cause of termination of this Work Order.

TOTAL ORDER VALUE (Exclusive of all taxes, levies and duties) : INR 4,07,988.00.

In words: (Rupees Four lakh seven thousand nine hundred eighty eight only).

Fof Prayagraj Power Gn.Co.Ltd	CONTRACTOR'S ACCEPTANCE
Signature: _____ Name: _____ Approver Name : Rajendra Singh Designation : MM	Signature: _____ Name: _____ Designation : DIVYANSH RO WATER SUPPLIER
	
<p>This Purchase Order/Contract will be executed / suspended and managed till Contract completion/commissioning of the work by order Manager (details below);</p>	

WORK ORDER DETAILS

WORK ORDER 6000001951

PRICE SCHEDULE

Item No.	HSN/SAC Code	Service Description	Qty UOM	Unit Price	Amount
10	999723	AMC RO System IN: Central GST -ND 9 % IN: State GST -ND 9 %	1.000 AU	4,07,988.00	407988.00

This item includes the following services:

S.No	HSN/SAC Code	Service Code	Service Description	Qty UOM	Unit Price	Amount
10.10	999723	3003302	CSR/AMC RO SYSTEM	12 AU	33,999.00	4,07,988.00
Total Order Value (Exclusive of all taxes, levies and duties)						4,07,988.00

Total Order Value : Rupees Four lakh seven thousand nine hundred eighty eight only (Exclusive of all taxes, levies and duties).

COMMERCIAL CONDITIONS**1. Scope :**

Operation and Maintenance of 7 RO system as per RFQ Scope.

2. Price Basis :

PPGCL BARA SITE

3. Completion Schedule/Service to be performed at :

For PPGCL

4. Payment Terms :

30 days From GR date w/o Retention

Payment terms shall be as under.

100% Payment shall be made within 30 days of every RA bill (Running amount) on satisfactory services from the date of receipt of techno-commercially clear and error-free invoices duly certified by the Officer-in-Charge. All payments due to the Contractor shall be made only after deduction of TDS and LD as applicable. All payments are preceded monthly basis on satisfactory completion of scope and SLA.

5. Taxes and Duties :

Prices are excluding GST which shall be payable extra as per applicable rates, the current rate being: 18%. No other taxes, duties, cess, etc. payable and shall be deemed to be included in the price mentioned above.

6. Anti Profiteering Clause:

Notwithstanding anything contained in the Contract, in the event of introduction of any new legislation or any change or amendment or enforcement of any Act or Law, or any change in the interpretation by the Supreme Court of India of any said Act or law, rules or regulations of Government of India or State Government(s) or Public Body which becomes effective after the bid date to the completion of work including defect liability period, if any, which results in any decrease in the cost of the works through reduced liability of taxes & duties, increase in the input tax credits, the Supplier shall pass on the benefits of such reduced cost, taxes or duties to Prayagraj Power Gn.Co.Ltd to the extent which is directly attributable to such introduction of new legislation or change or amendment as mentioned above as per Anti-profiteering Rules, 2017, hereby, "Tax" or "tax" shall include taxes, duties, levies, cess and similar imposts by whatever name called whether in the nature of Indirect Tax or direct taxes and whether or not imposed by the Central government, state government, local or municipal authority or any other statutory body

7. Compliance of Local Laws:

The Contractor shall be fully responsible for the due compliance by him and his sub-contractors with all statutory requirements and with all applicable labour laws including Contract Labour Abolition and Regulation Act, Workmen's Compensation Act, P.F./E.S.I., Labour welfare fund, Act, etc. as may be applicable to the Contractor, the sub-contractors and their employees. The locations where Allied Manpower Management System (On-line system) has been implemented, the Contractor shall ensure necessary declarations and documents are provided in the system, as per the role of the Contractor envisaged in the system.

The Contractor should get in touch with the local HR/IR/ES&A teams for completion of Statutory compliances before start of the work. The contractor should also ensure that he provides correct and complete PF compliance data for a wage month in the format provided by the HR/IR/ES&A teams on or before 15th of the subsequent month, failing which penalty of 1% of the value of the invoice, per day of delay would be deducted from the invoice raised. Further, the management will also have a right to suspend the work in case of delay in submitting the PF data.

All other compliances required by HR/IR/ES&A teams should also be provided as per timelines.

The Contractor shall fully indemnify and save harmless the Owner from and against all claims, demands, expenses, losses, liabilities, charges, actions, suits and proceedings whatsoever including claims under aforesaid Acts and laws which may be brought or made against the Owner, its Officers or servants by reason or in consequence of any matter or thing done or omitted or delaying the submission of data by the Contractor and/ or its sub-contractors and all costs, charges and expenses which may become payable by the Owner in respect thereof.

8. Performance Parameters & Deductions due to non compliance :

NA

9. Order Manager :

This order shall be managed by Order Manager Mr. Sant Lal Kanaujiya Mob No. 8545994875 from Owner. You are requested to contact him/her for further queries related to execution.

10. Contract Performance Bank Guarantee :

NA

11. Order of Precedence

In the event of conflict between the provision of this order along with its attachments and annexure, following order of precedence shall apply so that the conflicting provision(s) in the document lower in the order of precedence set out below shall give way to the conflicting provision(s) in the document higher in the order of precedence, execution.

Namely,

1. Work Order (with 'Commercial Conditions'),
2. Special Terms and conditions.
3. General Terms and conditions.
4. Technical Specification.

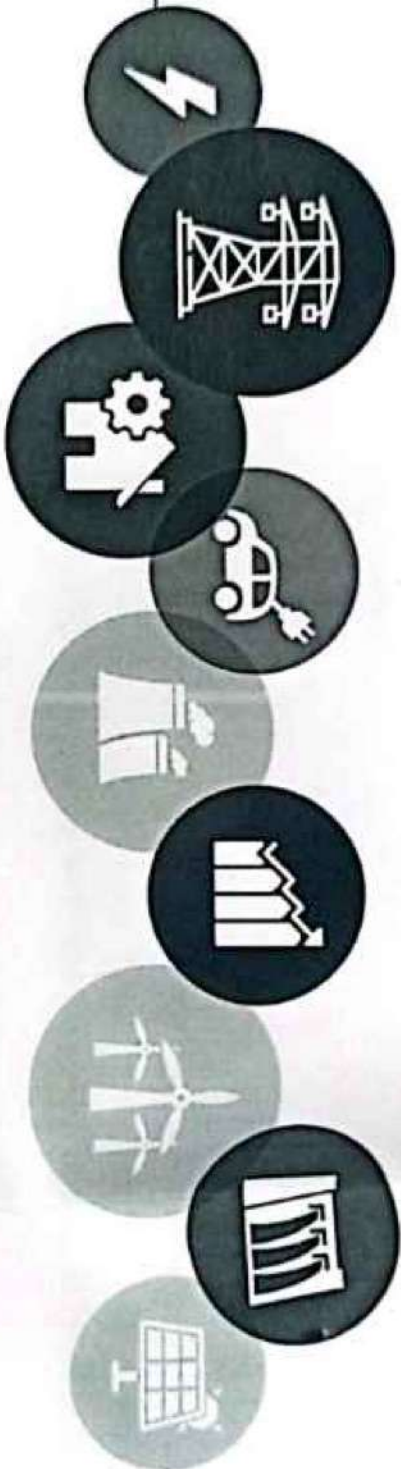
12. Modifications to the General Conditions of Contract :

- 1) Noncompliance of scope, SLA and PPGCL safety terms LD clause applicable minimum 1% to Max. 5% of on each monthly basis invoices.
- 2) Bidder has agreed to comply with all Safety Terms and Conditions of PPGCL.
- 3) Operation and Maintenance of 7 Nos RO and keep availability of water round the clock.
- 4) Order is placed for 1 year from 14.08.2024 to 13.08.2025. Next years contracts extended on satisfactory completion of first year as per recommendation of Order Manager. Total order approved for 2 years with Value of Rs 962,851.68 including 18% GST.

13. Annexure

As per RFQ GCC and SCC.

S.No	HSN/SAC Code	Service Code	Short Description	Long Description	Qty	UOM	Delivery Date
10.10	999723	3003302	CSR/AMC RO SYSTEM	CSR/AMC RO SYSTEM	12	AU	13.08.2025



**PROVIDING OF CLEAN DRINKING WATER TO COMMUNITY
THROUGH RO PLANT INSTALLATION, OPERATION & MAINTENANCE**

REPORTING DATE: 14/01/25

7 nos of ROs installed in 5 adopted villages to provide clean drinking water to community. All the Ros are functioning well and villagers are able to get purified drinking water

Month & Year of RO Installation and commissioning: July' 2022

AMC of Ros taken by the company since June'23 and continuing till date (copy of AMC attached)

All the RO Plant are running properly with details of RO Plantwise service boy details and timing of running plant is as follows:

S No	Name of the village	Service Provider	Contact Details	RO Plant timing
1	Mishrapur, Khan Semra village	Seema Singh	8960901702	9am- 10am
2	Near Kapari Panchayat Office, Kapari village	Srayansh Singh	8737014572	
3	Kapari School, Kapari village	Niraj Singh	7355064754	
4	Jorwat village	Seema Singh	8960901702	5 pm – 6pm
5	Jorwat village line paar	Suresh Choudhary	7309208085	
6	Berui village	Vijay Pal	8188901794	
7	Bemra village	Lal Sudarshan Singh	9795482797	

VILLAGEWISE INSTALLED RO PLANT

AGRICULTURE



BEMRA



1644

BERUI



JORWAT



JORWAT LINE PAAR



KAPARI (near Panchayat)



KHANSEMRA (Mishrapur)



KAPARI (near School)



SIX MONTHLY VILLAGEWISE WATER CONSUMPTION REPORT
Apr'24-Sep'24

S No	RO Location	Apr'24		May'24		Jun'24		Jul'24		Aug'24		Sep'24		TOTAL	
		Total villagers	Total Water Taken	Total villagers	Total Water Taken	Total villagers	Total Water Taken	Total villagers	Total Water Taken	Total villagers	Total Water Taken	Total villagers	Total Water Taken	Total villagers	Total Water Taken
1	Mishrapur, Khan Semra	314	6295	375	7500	370	7400	315	6300	320	6400	315	6300	1600	40195
2	Kapari, Near Panchayat Office	327	6540	321	6420	317	6340	312	6240	323	6460	314	6280	1053	38280
3	Kapari School	210	4020	209	4180	217	4340	211	4220	206	4120	197	3940	7500	24820
4	Jorwat	1470	29400	1410	28200	1590	31800	1620	32400	1410	2820	1530	3600	1519	128220
5	Jorwat Line Paar	311	6220	305	6100	309	6180	302	6040	292	5840	299	5980	2029	36360
6	Berul	401	8020	404	8080	406	8120	411	8240	407	8140	407	8140	7716	48740
7	Bemra	1480	29600	1520	30400	1561	31200	1625	32500	1530	30600	1495	29900	21711	184200
TOTAL		4513	90095	4544	90980	4770	95400	4796	95940	3088	64180	4557	64140	43128	500735

1645

SIX MONTHLY VILLAGEWISE WATER CONSUMPTION REPORT
Oct'24-Mar'25

S No	RO Location	Oct'24		Nov'24		Dec'24		Jan'25		Feb'25		Mar'25		TOTAL	
		Total villagers	Total Water Taken	Total villagers	Total Water Taken	Total villagers	Total Water Taken	Total villagers	Total Water Taken	Total villagers	Total Water Taken	Total villagers	Total Water Taken	Total villagers	Total Water Taken
1	Mishrapur, Khan Semra	315	6300	280	5600	270	5400	262	4826					1127	22126
2	Kapari, Near Panchayat Office	312	6240	305	6100	315	6300	286	6218					1218	24858
3	Kapari School	211	4220	290	5800	281	5620	276	5442					1058	21082
4	Jorwat	1620	32400	1540	30800	1512	30240	1516	30363					6188	123803
5	Jorwat Line Paar	302	6040	285	5700	272	5440	274	5478					1133	22658
6	Berui	411	8240	395	7900	402	8040	402	7926					1610	32106
7	Bemra	1623	32460	1521	30420	1498	29960	1485	27865					6127	120705
	TOTAL	4805	99100	4616	92320	4550	91300	4501	88118					18461	367338

1646



MONTHLY SIGNED REPORT SUBMITTED BY VENDOR AT CSR DEPT



1647

AUGUST 21				AUGUST 22				AUGUST 23			
No	Location	Total	Total	No	Location	Total	Total	No	Location	Total	Total
		Water	Water			Water	Water			Water	Water
1	...	124	124	1	...	124	124	1	...	124	124
2	...	127	127	2	...	127	127	2	...	127	127
3	...	227	227	3	...	227	227	3	...	227	227
4	...	147	147	4	...	147	147	4	...	147	147
5	...	111	111	5	...	111	111	5	...	111	111
6	...	411	411	6	...	411	411	6	...	411	411
7	...	125	125	7	...	125	125	7	...	125	125
Total		4796	9390	Total		4796	9390	Total		4796	9390

Divyansh RO Water Usage Date: _____
 Divyansh RO Water Usage Date: _____
 Divyansh RO Water Usage Date: _____

MONTHLY RO WATER USAGE REPORT

October '24				November '24				December '24			
S No	Location	Total	Total	S No	Location	Total	Total	S No	Location	Total	Total
		Water	Water			Water	Water			Water	Water
1	Kuliyapur/Adhan Semra	315	6300	1	Kuliyapur/Adhan Semra	240	4800	1	Kuliyapur/Adhan Semra	240	4800
2	Kapri School	211	4220	2	Kapri School	305	6100	2	Kapri School	305	6100
3	Jorwat Vill	1620	32400	3	Jorwat Vill	1540	30800	3	Jorwat Vill	1540	30800
4	Jorwat line part	302	6040	4	Jorwat line part	305	6100	4	Jorwat line part	305	6100
5	Bemra Vill	411	8240	5	Bemra Vill	305	6100	5	Bemra Vill	305	6100
6	Bemra	1623	32460	6	Bemra	1511	30220	6	Bemra	1511	30220
Total		4805	96100	Total		4816	96320	Total		4816	96320

Divyansh RO Water Usage Date: _____

Monthly Ro Water Usage Report

January -2025

Location	Total Vill Person	Total Water liter Taken
Mahatrapur Khari Semra	202	4040
Narar Khari Panchayat Office	240	4800
Kapri School	270	5400
Jorawat Villages	1610	32200
Jorawat Line Part	274	5476
Bemra Villages	402	8040
Bemra Villages	1485	29700
Total	4501	88116

Divyansh RO Water Usage Date: _____



Regional Office Cum Laboratory
U.P. Pollution Control Board
Avas Vikas Parishad Colony, Sector-10, Yojana No.-03,
Jhansi, Prayagraj.

AMBIENT AIR QUALITY MONITORING REPORT

Location of Sampling point : Approx. 3 meter above the ground level on the roof of house of Shri Raghvendra Yadav in front of complainant Shri Pushendar, Village-Berul, Tehsil-Bara, District-Prayagraj

Sample collected by : Shri Rajesh Singh, Scientific Assistant

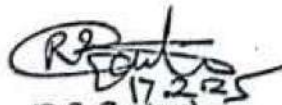
Date of monitoring : 13.02.2025 & 14.02.2025

OBSERVATIONS:

	Shift 1st	Shift 2nd	Shift 3rd
Time of sampling started (hrs.)	11.00	19.30	04.00
Time of sampling completed (hrs.)	19.00	03.30	12.00
Total sampling time (minutes)	480	480	480
Average sampling rate for PM ₁₀ (m ³ /min)	1.00	1.00	1.00
Total volume of air sampled (PM ₁₀)	480	480	480

RESULTS

Concentration of pollutants in $\mu\text{g}/\text{m}^3$	Shift Ist (8 Hourly value)	Shift IInd (8Hourly value)	Shift III (8Hourly value)	(24 Hourly value)	CPCB Standard
Particulate Matter (PM ₁₀)	96.40	92.80	93.20	94.13	100


(R.S. Gautam)
L.A.


(Alok Pandey)
L.A.


(Rajesh Singh)
S.A.


(Dr. S. C. Shukla)
R.O.



भारत सरकार
Government of India
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय
Ministry of Environment, Forest & Climate Change
क्षेत्रीय कार्यालय, लखनऊ
Regional Office, Lucknow



केन्द्रीय भवन, ग्यारवां तल, सेक्टर एच, अलीगंज, लखनऊ-226024
Kendriya Bhawan, 11th Floor, Sector H, Aliganj, Lucknow-226024, Phone No : 0522-2326696
Email : roc.lko-mef@nic.in, golmoefroko@gmail.com

File No. XXI/ENV/NGT/CC/165/2024/103

Dated: 21.08.2024

By-Email COURT MATTER
URGENT

To,

Regional Director
CPCB, Lucknow
Email: rdlucknow.cpcb@gov.in

Subject: In compliance of the order of Hon'ble NGT, Principal Bench, New Delhi in O.A. 617 of 2022, Mr.Pushpendra vs State of U.P. - reg:

Ref: Letter no. XXI/ENV/NGT/CC/165/2024/139 dated 24.06.2024 of this office.

Sir,

Kindly refer to the above cited subject matter. The Hon'ble NGT was pleased to pass the Judgement dated 22.05.2024. The relevant para read as:

".....83. In view of the above, we consider issuance of appropriate directions to be essential and accordingly issue the following directions:-

- (i) CPCB, Integrated Regional Office, MoEF & CC and UPSPCB are directed to evolve an effective mechanism of monitoring compliance with EC/consent conditions stipulated to the projects for ensuring environmental friendly sustainable development.

In compliance of above order/ direction, the matter has been examined in the Ministry and accordingly the undersigned has been directed to say that CPCB, RD, Lucknow may act as nodal agency for conducting the meetings for a brief discussion on the effective mechanism of monitoring compliance and after drawing inferences from the meeting proceedings, a detailed draft report

A B B
23/8/24

may be prepared and same has to be filed before the Hon'ble Tribunal after due approval of competent authority of MoEF&CC.

You are requested to conduct a meeting in hybrid mode tentatively in the last week of August, 2024 as to comply with the Hon'ble Tribunal order/direction.

Yours Sincerely



Dr. R.B. Lal)

Director/Scientist F'

Email Id: rocz.lko-mef@nic.in

Mobile No. 9891065577

Copy to:

1. Member Secretary, UPPCB, Lucknow. Email: ms@uppcb.in with a request to nominate the official for compliance & to participate in the meeting.



Dr. R.B. Lal)

Director/Scientist F'

Email Id: rocz.lko-mef@nic.in

Mobile No. 9891065577

IA-J-11014/112/2022-IA-1
 Government of India
 Ministry of Environment, Forest & Climate Change
 Impact Assessment Division

Indira Paryavaran Bhavan,
 Jor Bagh Road, New Delhi-110 003
 Dated: 25th November, 2022

Office Memorandum

Sub:- Standard Operating Procedure (SOP) for Post Environmental Clearance Monitoring and Compliance of the project -reg.

Background

The Ministry has established 19 Integrated Regional Office (IROs) vide Notification No. 1-5/2013-ROHQ dated 13th August, 2020 with a view to achieving mandated outcomes related to Monitoring and Compliance of the project in an improved, timely and effective manner.

2. As far as monitoring and compliance of EC conditions are concerned, as per para 10 of the EIA Notification, 2006, it is mandatory for the project proponent to submit half-yearly compliance reports in respect of the stipulated EC conditions to the Ministry and its Integrated Regional Offices (IROs).

The prescribed SOP wrt the Monitoring & Compliance is as given below:

1. IROs undertake inspection of the unit, with respect to the following scenarios:

- i. IRO identifies ambiguity in half-yearly compliance reports with respect to the stipulated EC conditions submitted by Project Proponent (PP).
- ii. PP request IRO for issuance of Certified Compliance Report (CCR) in order to apply for expansion of the project under EIA, Notification 2006.
- iii. Complaint received against the project.
- iv. Direction from the Ministry based on PMO/VIP/PG/RTI etc. references.
- v. Random Inspection of projects.
- vi. Direction from Hon'ble court in various Court Matter.

2. Based on the observations during Monitoring IRO seeks Clarification/Action Taken Report (ATR) to the PP and submit Monitoring Report along with the clarification letter to the Ministry.

3. If PP fails to respond to it a reminder letter is sent by IA-Monitoring Cell allowing PP to submit ATR in 15 days.

4. **Action on the Monitoring Report by the Monitoring Cell:** Monitoring Cell of Ministry analyse the monitoring report submitted by IRO. Based on the observed Major and Minor partial/non-compliances clarification/ATR, if necessary, is sought from Project Proponent with direction to submit the response within a period of Thirty (30) days. If PP fails to submit the response of clarification/ATR letter within the time line period, a reminder letter as warning issued to the PP.

AGE
 Jarna
 23/11/22



5. The response submitted by PP is examined in the Ministry and the Action taken report submitted by PP is sent to IRO for further verification. Based on IRO's verification report following actions are contemplated:

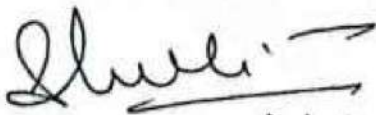
- i. If no satisfactory action has been taken by the PP and EC conditions are yet to be complied Ministry may issue Show-Cause Notice under the Section 5 and other provisions which may include Section 15 and 19 of the Environment (protection) Act, 1986.
- ii. If it is observed that the non-compliances are not rectified, Ministry provides an opportunity to PP for clarification in personal hearing under the chairmanship of officer not below the rank of Joint Secretary. Based on the outcome of the personal hearing if necessary, direction for Compensation/Suspension of EC may be issued.
- iii. If it is observed that PP has taken credible action to comply with the condition and the action is expected to be completed with some additional time, Ministry grant additional time in which actions are expected to be completed by PP to fully comply with the conditions mentioned in the EC and submit the compliance report duly verified by concerned IRO to the Ministry.
- iv. If it is observed that PP has now complied with all the conditions and the same has been confirmed in the verification report, Ministry issues Action Closure Letter (ACL) to the PP with direction to continuously submit six monthly compliance report on time.
- v. If it is observed that PP has violated the provisions of EIA Notification, 2006 and attracts the provisions of SOP dated 07.07.2022, Monitoring Cell intimates the concerned sector for taking appropriate action as deem fit.

6. Action after issuance of Show Cause Notice:

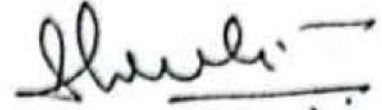
- i. Monitoring Cell of the Ministry prescribes a time line of Fifteen (15) days or Thirty (30) days for submission of reply of SCN based on the gravity of non-compliances. If PP fails to submit the response of SCN within the prescribed time period, if necessary, a warning letter may be issued.
- ii. The response to SCN submitted by PP is examined in the Ministry and if found necessary the reply submitted by PP is sent to IRO for further verification. Based on IRO's verification report following actions are contemplated:
 - a) If it is observed that PP has now complied with all the conditions and the same has been confirmed in the verification report, Ministry issues ACL to the PP with direction to continuously submit six monthly compliance report on time.
 - b) If it is observed that the non-compliances are not rectifiable, Ministry provides an opportunity to PP for clarification during personal hearing under the chairmanship of officer not below the rank of Joint Secretary. Based on the outcome of the personal hearing if necessary, direction for Compensation/Suspension of EC may be issued.

7. Action in other scenarios:

- i. If it is observed that there is imminent risk to the environment and health due to noncompliance by the PP, SCN with time line of Fifteen (15) days is issued to PP. If PP fails to submit the response of SCN within the prescribed time period, if necessary



- a warning letter may be issued otherwise after Fifteen (15) days personal hearing may be conducted under the chairmanship of officer not below the rank of Joint Secretary.
- ii. Based on the outcome of the personal hearing if necessary, direction for Suspension of EC or other prescribed action under EPA may be issued.
 - iii. If it is observed that due to non-compliance, accident has already been taken place, Ministry may immediately suspend the EC of the project till all the conditions are complied and duly verified by concerned IRO.



(Dr. Shruti Rai Bhardwaj)
Addl. Director/Scientist 'E'

Encl.: As above

To,
All Concerned

Copy for information to:

1. PS to Hon'ble Minister for Environment, Forest and Climate Change
2. PS to Hon'ble MoS (EF&CC)
3. PPS to Secretary (EF&CC)
4. PPS to DGF&SS (EF&CC)
5. PPS to AS (TK)/PPS to JS(SKB)
6. Guard File/Spare Copies
7. US(IT)/Consultant(IT)

Draft Note on effective mechanism of monitoring compliance with EC conditions in the matter O.A. 617 of 2022, Mr.Pushendra vs State of UP

Background Note:

1. Mr. Pushpender resident of Village Berni, Post Bemra, Shankargadh, Tehsil Bara, District Prayagraj, Uttar Pradesh has sent to this Tribunal the present letter petition by email, which has been treated and registered as Original Application no. 617/2022.
2. The grievances in this application are that M/s Tata Company and Ultratech Company are causing pollution by storage of cement brought by trucks to village Berni, Tehsil Bara, District Prayagraj in Uttar Pradesh and discharging waste water which has contaminated drinking water and rendered the same unfit for consumption. The relevant portion of the letter petition enumerating the grievances of the applicant reads as under:

विषय: टाटा कम्पनी एवं अल्ट्राटेक सीमेंट अत्यधिक प्रदूषण फैलाने का संवध में।

महोदय

मैं पुष्पेन्द्र सिंह पाता ग्राम बेरुई पोस्ट बेमरा शंकरगढ़ थाना शंकरगढ़ तहसील बारा जिला प्रयागराज उत्तर प्रदेश का स्थाई निवासी हूँ महोदय जी हमारे यहाँ टाटा और अल्ट्राटेक सीमेंट कंपनी है ये कंपनी पुरे गांव में प्रदूषण फैला रही है हमारा गांव कंपनी के बाउंड्री से एकदम सटा है कंपनी अपने बाउंड्री के अंदर सीमेंट के राखड़ ट्रको के माध्यम से स्टोर करती है जिससे पुरे गांव में वायु प्रदुषण हो रहा है कंपनी गांव से ही अपना गन्दा पानी बहती है जिससे जल प्रदुषण भी हो रहा है गाओं का पानी अब पीने योग्य नहीं है।

श्रीमान जी से निवेदन है की कंपनी के खिलाफ उचित कार्यवाई करके गांव केब लोगो को प्रदुषण से बचाने की कृपा करे.”

Process of grant of EC:

The Ministry of Environment, Forest and Climate Change has notified the Environment Impact Assessment Notification on 14.09.2006. As per the provisions of EIA Notification, 2006, construction of new projects or activities or the expansion or modernization of existing projects or activities listed in the schedule

1655
annexed to the said notification and capacity addition with change in pro. and or technology shall be undertaken in any part of India, as applicable, only after receipt of the prior environment clearance from the Central Government or by the State Level Environment Impact Assessment Authority (SEIAA), as the case may be. The EIA Notification, 2006 has decentralized the environmental clearance process by categorizing the developmental projects in two categories, i.e., Category 'A' project and Category B. The 'Category 'A' projects are appraised at Central level by the Expert Appraisal Committee (EAC) and Category 'B' projects are appraised at State Level Expert Appraisal Committee (SEAC).

2. The EIA Notification, 2006, inter-alia, stipulates four stages in the process of obtaining Environmental Clearance. Stage (1) is screening wherein the Expert Appraisal Committee or the State Expert Appraisal Committee takes the decision whether or not Environmental Impact Assessment Report has to be prepared for the proposed projects. Stage (2) is Scoping wherein the Expert Appraisal Committee for category 'A' projects and the State Expert Appraisal Committee for category 'B' projects determines detailed and comprehensive Terms of Reference addressing all relevant environmental concern for the preparation of an EIA/EMP Report in respect of the proposed project or activity for which the prior environmental clearance is sought. Stage (3) relates to Public Consultation and has two components- (i) a public hearing, which is conducted by the concerned State Pollution Control Board at the project site or in its close proximity, explaining all possible environment impacts and measures proposed in EMP and (ii) obtaining written responses from other concerned persons who have a plausible stake in the environment aspects of the project or activity. Lastly, Stage (4) relates to Appraisal of the Project wherein the detailed scrutiny by the EAC or the SEAC of the application and other documents like the Final EIA Report and outcome of public consultations relating including public hearing proceedings, submitted by the Project Proponent to regulatory authority concerned for grant of environment clearance is conducted.

Post Environmental Clearance monitoring mechanism:

3. Para 10 of the EIA Notification, 2006 prescribed the procedure for post Environmental clearance monitoring mechanism.

- (i) In respect of Category 'A' projects, it shall be mandatory for the Project proponent to make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the district or State where the project is located and in addition, this shall also be displayed in the project proponent's website permanently.
- (ii) In respect of Category 'B' projects, the Project proponent shall prominently advertise in the newspapers indicating that the project has been accorded environment clearance and the details of MoEFCC website where it is displayed.
- (iii) The Ministry of Environment, Forest and Climate Change and the State / Union Territory Level Environmental Impact Assessment Authorities (SEIAAs), as the case may be, shall also place the environmental clearance in the public domain on Government portal. The copy of ECs granted are available on parivesh portal.
- (iv) The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
- (v) It shall be mandatory for the project management to submit half-yearly compliance reports in respect of the stipulated prior environmental clearance terms and conditions in soft copies to the regulatory authority concerned, on 1st June and 1st December of each calendar year.-All such compliance reports submitted by the project management shall be public documents. Copies of the same shall be given to any person on application to the concerned

regulatory authority. The latest such compliance report shall also be displayed on the web site of the concerned regulatory authority and Project proponent.

4. The Ministry of Environment and Forest and Climate Change has set up 19 Regional Offices in the country with a view to achieving mandated outcomes related to monitoring and compliances of the projects and implementation of EC conditions and safeguards in an improved, timely and effective manner.
5. Post-monitoring the Environmental Clearances accorded by the Ministry /SEIAAs are primary mandate of the Regional Offices of the Ministry. As the Impact Assessment Division of the Ministry is nodal for the Regional Office (RO) for the issue relating to Environmental Clearance (EC)/EIA. The Division has issued various Notification / Office Memorandum / SOP etc. on strengthening and streamlining the Post EC monitoring process viz. Category 'A' and 'B' monitoring projects, selection of project, time limit of the submission of the monitoring reports, time bound limit for monitoring of expansion project for issuance of certified monitoring Reports etc.
6. The Ministry, from time to time, has issued the instructions for monitoring and compliances of the projects and implementation of EC conditions and safeguards. Recently, the Ministry has issued the Standard Operating Procedure (SOP) for Post Environmental Clearance Monitoring and compliance of the projects, *vide* its Office Memorandum dated 25.11.2022. A copy of the Office Memorandum dated 25.11.2022 is annexed herewith.
7. The SOP dated 25.11.2022, inter-alia, prescribed the detailed procedure and accordingly at first seeks a Monitoring Report/Condition-Wise Compliance Report (CCR) from the concerned Regional Office. Based on the observed non-compliance in the Monitoring Report/CCR, a Clarification/ Action Taken Report (ATR) is sought from the Project Proponent. The ATR is further reviewed at the level of RO based on which the Ministry can take further necessary action to conclude the matter. Further, if no satisfactory action has been taken by the Project Proponent and

1658

the EC conditions are yet to be complied with, the Ministry may issue a Show-Cause Notice under Section 5 of the Environment (Protection) Act, 1986.



केन्द्रीय प्रदूषण नियंत्रण बोर्ड
CENTRAL POLLUTION CONTROL BOARD
(पर्यावरण एवं वन मंत्रालय, भारत सरकार)
MINISTRY OF ENVIRONMENT & FORESTS, GOVT. OF INDIA

No.B-29012/ESS(CPA)/2015-16/

March 07, 2016

To

The Chairman
All the State Pollution Control Boards / Pollution Control Committees
(List Attached)

SUB: MODIFIED DIRECTIONS UNDER SECTION 18(1)(b) OF THE WATER (PREVENTION & CONTROL OF POLLUTION) ACT, 1974 and THE AIR (PREVENTION & CONTROL OF POLLUTION) ACT, 1981 REGARDING HARMONIZATION OF CLASSIFICATION OF INDUSTRIAL SECTORS UNDER RED / ORANGE / GREEN / WHITE CATEGORIES.

WHEREAS, under section 16 (2)(b) of the Water (Prevention and Control of Pollution) Act, 1974 and under Section 16 (2)(c) of the Air (Prevention & Control of Pollution) Act, 1981, one of the functions of the Central Pollution Control Board (CPCB), constituted under the Water (Prevention and Control of Pollution) Act, 1974, is to coordinate activities of the State Pollution Control Boards (SPCBs) and Pollution Control Committees (PCCs); and

WHEREAS, under section 16 (2)(c) of the Water (Prevention and Control of Pollution) Act, 1974 and under Section 16 (2)(d) of the Air (Prevention & Control of Pollution) Act, 1981, one of the functions of the CPCB is to provide technical assistance and guidance to SPCBs and PCCs; and

WHEREAS, it was brought to the notice of CPCB, that different SPCBs /PCCs were following different criteria for classification of industrial sectors under Red/Orange/ Green category and that classification was being used by the SPCBs/PCCs for grant of consents to industries and for Inventorization / surveillance of industries.

WHEREAS, the issue regarding classification of industries was deliberated upon in the 56th Conference of Chairmen & Member Secretaries of CPCB & SPCBs/PCCs held on August 31, 2010 and a working group comprising of representatives from SPCBs & CPCB was constituted to prepare a consolidated list of industrial sectors falling under Red/Orange/Green category to bring uniformity in classification of industrial sectors across the country;

'परिवेश भवन' पूर्वी अर्जुन नगर, दिल्ली-110032

'Parivesh Bhawan', East Arjun Nagar, Delhi - 110032

दूरभाष/Tel. : 43102030, फॉक्स/Fax : 22305793, 22307078, 22307078, 22301932, 22304948

ई-मेल/e-mail : cpcb@nic.in वेबसाइट/Website : www.cpcb.nic.in

WHEREAS, the report prepared by the Working Group was discussed in the 57th Conference of Chairmen & Member Secretaries of CPCB & SPCBs/PCCs held in Delhi on September 15, 2011, wherein some modifications were proposed;

WHEREAS, the final report of the working group was prepared, incorporating the suggestions/observations made in the 57th Conference of Chairmen and Member Secretaries of CPCB & SPCBs/PCCs and in exercise of the powers delegated to the Chairman, CPCB under Section 18(1)(b) of the Water Act, 1974, following directions were issued for compliance to all SPCBs/PCCs to maintain uniformity in categorization of industries as red, orange and green as per list finalized by CPCB, which identified 85 types of industrial sectors as 'Red', 73 industrial sectors as 'Orange' and 86 sectors as 'Green':

a). To maintain uniformity in categorization of industries under Red/ Orange/Green category, the SPCBs /PCCs shall adopt the list as finalized by CPCB based on the recommendations of that Working Group for grant of Consent, inventorization of industries under Red, Orange and Green categories and other related activities.

(b). The SPCBs/PCCs shall revise the list of Red, Orange and Green categories of industries operating in their jurisdiction based on the criteria specified in the final report of that Working Group and submit the same to CPCB within 90 days in hard copy as well as soft copy;

WHEREAS, later-on, it was observed that the process of categorization thus far was primarily based on the size of the industries and consumption of resources and pollution due to discharge of emissions and effluents and its likely impact on health was not considered as primary criteria;

WHEREAS, there have been proposals from the SPCBs / PCCs and industrial associations for categorization of the industrial sectors in a more pragmatic manner. The issue was discussed during the national level conference of the Environment Ministers of the States, held in New Delhi during April 06-07, 2015 and also during the Conference of the Chairmen and Member Secretaries of CPCB and SPCBs/PCCs held in New Delhi on April 08, 2015. Accordingly, a 'Working Group' comprising of the Members from Central Pollution Control Board and State Pollution Control Boards representing the States of Andhra Pradesh, Punjab, Tamilnadu, West Bengal, Madhya Pradesh and Maharashtra, was constituted to revisit the criteria of categorization of industries and suggest rationale based on pollution potential for categorization of industrial sectors and adopting it for implementation of pollution control plan;

WHEREAS, the Working Group has developed the criteria of categorization of industrial sectors based on the concept of Pollution Index which is a function of the emissions (air pollutants), effluents (water pollutants), hazardous wastes generated and consumption of resources. For this purpose the references are taken from the the Water (Prevention and Control

of Pollution) Cess (Amendment) Act, 2003, Standards so far prescribed for various pollutants under Environment (Protection) Act, 1986 and Doon Valley Notification, 1989 issued by MoEFCC. The Pollution Index (PI) of any industrial sector is a number from 0 to 100 and the increasing value of PI denotes the increasing degree of pollution load from the industrial sector;

WHEREAS, based on the series of consultations with SPCBs, different Government / Non-government Institutions including industries and MoEFCC, the following criteria on 'Range of Pollution Index' for the purpose of categorization of industrial sectors has been finalized:

- o Industrial Sectors having Pollution Index score of 60 and above - Red category
- o Industrial Sectors having Pollution Index score of 41 to 59 -Orange category
- o Industrial Sectors having Pollution Index score of 21 to 40 -Green category
- o Industrial Sectors having Pollution Index score incl. & upto 20 -White category

WHEREAS, based on the revised criteria, the 'Final Report on Revised Categorization of Industrial Sectors under Red/Orange/Green/White' has been evolved. The 'Categorization' is based on the relative pollution potential of the industrial sectors and grouping of the industrial sectors based on the use of raw materials, manufacturing process adopted and pollutants likely to be generated;

WHEREAS, based on relative Pollution Index, the number of industries in various categories are as under :

- i. The Red category of industrial sectors: 60
- ii. The Orange category of industrial sectors: 83
- iii. The Green category of industrial sectors: 63 and
- iv. The Newly introduced White category: 36

WHEREAS, there shall be no necessity of obtaining the Consent to Operate" for White category of industries and an intimation to concerned SPCB / PCC shall suffice;

WHEREAS, the purpose of categorization is to ensure that the industry is established in a manner consistent with the environmental objectives and to prompt industrial sectors to adopt cleaner technologies, ultimately resulting in generation of no or minimum pollutants.

WHEREAS the new categorization system shall also facilitate in self-assessment by industries;

Now, therefore, in exercise of the powers delegated to the Chairman, CIPCB under Section 18(1)(b) of the Water (Prevention & Control of Pollution) Act, 1974 and Section 18(1)(b) of the Air (Prevention & Control of Pollution), Act, 1981 the earlier Directions issued in June 2012 in the context of categorisation of industries as Red, Orange & Green are withdrawn with immediate effect and following 'Directions' are hereby issued for compliance by all SPCBs and PCCs :

1. That the SPCBs and PCCs shall adopt the Revised Criteria of categorization of industrial sectors as detailed in table nos. F1, F2, F3 and F4 and Revised Lists of Red, Orange, Green and White categories of industrial sectors, presented at table no. G2, G3, G4 and G5 respectively, in the 'Final Report' as attached herewith immediately.
2. That all pending applications for consideration of 'Consent to Establish' and 'Consent to Operate' and future such applications shall be processed as per revised criteria.
3. That the SPCBs and PCCs will provide the list of industries identified in each category existing in the State which have been considered for grant of consents. SPCBs/PCCs will forward the list of such industries before 31.05.2016 and the same will be uploaded on the websites of respective SPCB/PCC.
4. That the 'Revised Lists of Red, Orange, Green and White category of industrial sectors' shall be used by the SPCBs and PCCs for Consent Management and inventorization of industries under Red, Orange, Green and White categories. Siting of industries shall be only in conforming areas. SPCBs / PCCs shall evolve sector specific plans for control of pollution and industrial surveillance for verifying compliance.
5. That the SPCBs and PCCs shall revise /prepare the inventory of Red, Orange, Green and White categories of industries operating in their jurisdiction based on the revised criteria specified in the Final Report and submit the same to CPCB within 90 days i.e., before 30.05.2016 in hard copy as well as soft copy.
6. That the listed category of industries or those identified later-on under different categories shall not be linked to sanction of loan /finance or bank proceedings.
7. That any further addition of any new or left-over industrial sector and their categorization which is not listed in the revised list of Red, Orange, Green and White industrial sectors, shall be done at the level of concerned SPCB /PCC following revised criteria & guidelines as detailed in the attached document and no concurrence of CPCB shall normally be required. It is further clarified that while categorizing the industries, fractional numbers shall be rounded off to nearest integer.

The SPCBs/PCCs shall acknowledge the receipt of directions and submit the 'Action Taken Report' in compliance with these directions to CPCB before 15.04.2016.


(Arun Kumar Mehta)
Chairman
7/3/16

Copy to:

1. The Chief Secretary of all the States and UTs
2. The Secretary ,
Ministry of Micro, Small and Medium Entrepreneurs
Udyog Bhawan, Rafi Marg, New Delhi - 110 011
3. The Secretary ,
Ministry of Heavy Industries
Udyog Bhawan, Rafi Marg, New Delhi - 110 011
4. The Secretary,
Ministry of New and Renewable Energy
Block-14, CGO Complex,
Lodhi Road, New Delhi-110 003,
5. The Advisor(CP Division)
Ministry of Environment ,Forests and Climate Change
Indira Paryavaran Bhawan
Jor Bagh Road, New Delhi - 110 003
6. All Zonal Offices of CPCB


(A.B. Akolkar) 2.5.16
Member Secretary



मा० राष्ट्रीय हरित अधिकरण, नई दिल्ली द्वारा ओपन० 817/2022 श्री पुष्पेन्द्र बनाम उ०प्र० राज्य व अन्य में पारित आदेश दिनांक-22.05.2024 एवं दिनांक 15.01.2025 के अनुपालन में दिनांक 13.02.2025 को स्थलीय निरीक्षण के समय लिये गये फोटोग्राफस



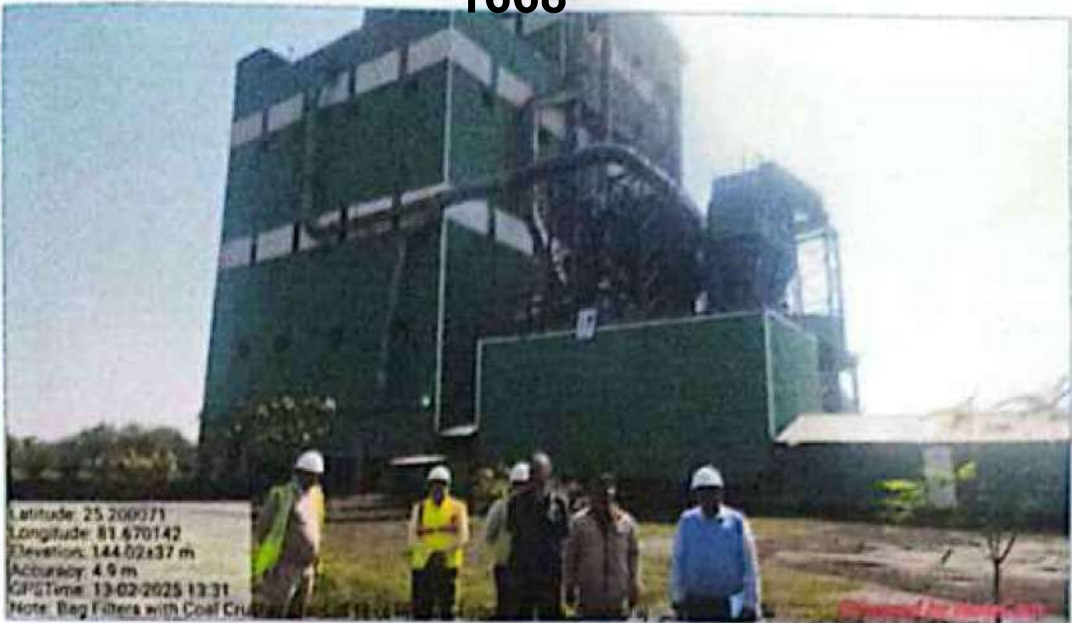
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श्री राष्ट्रीय हरित अधिकरण, नई दिल्ली द्वारा ओ.नं. 617/2022 श्री पुष्पेन्द्र बनाम उज्ज्वल राज्य व अन्य में पारित आदेश दिनांक-22.05.2024 एवं दिनांक 15.01.2025 के अनुपालन में दिनांक 13.02.2025 को स्थलीय निरीक्षण के समय लिये गये फोटोग्राफ्स

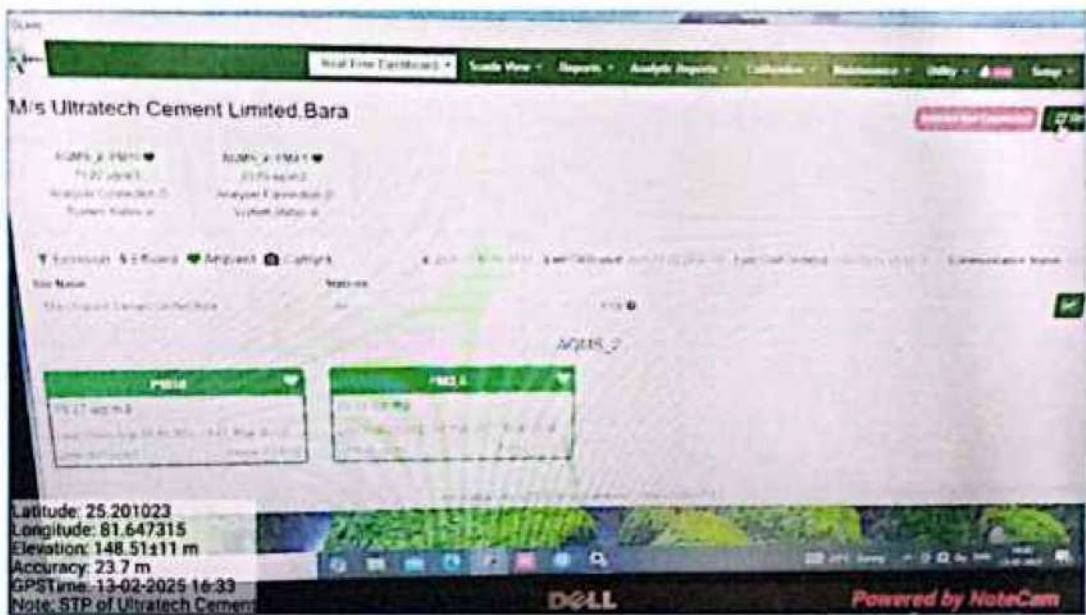


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मा० राष्ट्रीय हरित अधिकरण, नई दिल्ली द्वारा ओ०नं० ६१७/२०२२ श्री पुष्पेन्द्र बनाम उ०प्र० राज्य व अन्य में पारित आदेश दिनांक-२२.०६.२०२४ एवं दिनांक १५.०१.२०२५ के अनुपालन में दिनांक १३.०२.२०२५ को स्थलीय निरीक्षण के समय लिये गये फोटोग्राफस

1671



मा० राष्ट्रीय हरित अधिकरण, नई दिल्ली द्वारा ओ०नं० ६१७/२०२२ श्री पुष्पेन्द्र बनाम उ०प्र० राज्य व अन्य में पारित आदेश दिनांक-२२.०५.२०२४ एवं दिनांक १५.०१.२०२५ के अनुपालन में दिनांक १३.०२.२०२५ को स्थलीय निरीक्षण के समय लिये गये फोटोग्राफ्स