



Power

Ref: APL/APML/EMD/MOEF/EC/213/05/23
Date: 23/05/2023

To,
**Additional Principal Chief Conservator of Forest
Ministry of Environment, Forest & Climate Change
Integrated Regional Office, Nagpur
Ground Floor, East Wing,
New Secretariat Building, Civil Line,
Nagpur-440001 (MH).**

Sub: **Six Monthly Compliance Status report on Environmental Clearance of Residential Complex for Tiroda Thermal Power Plant, Gondia District, Maharashtra.**

Ref: Env. Clearance Letter No.- **SEAC-2212/CR-93/TC-2, dated-30.09.2014.**

Dear Sir,

With reference to above subject, please find enclosed herewith Six-Monthly Environmental Clearance (EC) compliance status report of Residential complex along with environmental monitoring results and Greenbelt development etc. for the period of **October'2022 to March'2023** in soft (e-mail).

This is for your kind information & record please.

Thanking you

Yours faithfully,
for **Adani Power Limited**

(R N Shukla)
Head Env. & Forest

Encl: **As above**

CC:

**Member Secretary
Central Pollution control Board
Parivesh Bhavan, East Arjun Nagar
New Delhi- 110 032.**

**Member Secretary,
Maharashtra Pollution Control Board
Kalpataru Point, 2nd – 4th floor, Mumbai.**

**State Level Environment Impact Assessment
Authority (SEIAA), Maharashtra
Mumbai, Maharashtra**

**The Regional Officer,
Maharashtra Pollution Control Board
Regional Office, 5th Floor
Udyog Bhawan, Civil Lines, Nagpur, MH**

Adani Power Ltd
Adani Corporate House
Shantigram, S G Highway
Ahmedabad 382 421
Gujarat, India
CIN: L40100GJ1996PLC030533

Tel +91 79 2555 4444
Fax +91 79 2555 7177
www.adanipower.com

SIX MONTHLY COMPLIANCE REPORT OF ENVIRONMENTAL CLEARANCE (EC)

For
Residential Complex of Tiroda Thermal Power Plant

at

**VILLAGE BERDIPAR, TIRORA, DISTRICT GONDIA
MAHARASHTRA**

Submitted to:

**Integrated Regional Office, Nagpur
Ministry of Environment, Forest & Climate Change,
Central Pollution Control Board, New Delhi &
Maharashtra Pollution Control Board, Mumbai &
Regional office, Nagpur**

The Adani logo is displayed in a stylized, lowercase font. The letters 'a', 'd', and 'n' are blue, while the letters 'a', 'n', and 'i' are purple. The 'i' has a small dot above it.

Submitted By:

**Environment Management Department
Adani Power Limited**

**Plot NO: A -1, Tirora Growth Centre
MIDC, Tirora, Gondia - 441911 (M.H)**

PERIOD: October'2022 – March'2023

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Compliance status on Environmental Clearance

for Residential Complex of Tiroda Thermal Power Plant
at Village Berdipar, Taluka Tiroda, District Gondia, Maharashtra
Letter No. SEAC-2212/CR-93/TC-2, dated 30.09.2014.

| Sl. No | EC Conditions | Compliances |
|--------|---|--|
| (i) | This environmental clearance is issued subject to land use verification. Local authority/ planning authority should ensure this with respect to Rules, Regulations, Notifications, Government Resolutions, Circulars, etc. issued if any. Judgments/orders issued by Hon'ble High Court, Hon'ble NGT, Hon'ble Supreme Court regarding DCR provisions, environmental issues applicable in this matter should be verified. PP should submit exactly the same plans appraised by concern SEAC and SEIAA. If any discrepancy found in the plans submitted or details provided in above para may be reported to the environmental department. This environmental clearance issued with respect to environmental consideration, and it does not mean that State Level Impact Assessment Authority (SEIAA) approved the proposed land use. | Complied, As per approved plan by Town and country planning, residential complex constructed & established & verified by local authority. |
| (ii) | This environmental clearance is issued subject to obtaining NOC from forestry & Wildlife angle including clearance from standing committee of National Board for Wildlife as if applicable & this environment clearance does not necessarily implies that Forestry & Wild Life clearance granted to the project which will be considered separately on merit. | No forest land acquired & involved for residential complex. |
| (iii) | PP has to abide by the conditions stipulated by SEAC & SEIAA. It is noted that the total waste generation @ 0.5 kg/day for maximum population of 2012 is 1006 kg/day. It is also noted the agreement made for collection, transportation, treatment and disposal of Biomedical waste dated 7 th Feb 2014. Note on CSR activity is noted and SEIAA stipulates the condition of setting up school upto 10 th standard near township. | Compliance Assured. The Average domestic waste generation is 192kg/day during reporting period. All the waste segregated into Bio-degradable and non-Biodegradable. Bio-degradable waste disposed-off through organic waste convertor to generate compost and non-biodegradable waste recycle/reuse through local recyclers. 31.36 MT of non-biodegradable waste disposed-off through local recycler during reporting period. Please refer Annexure – VI & VII |
| (iv) | The height, Construction built up area of proposed construction shall be in accordance | FSI/FAR norms have been complied. |

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| | with the existing FSI/FAR norms of the urban local body & it should ensure the same along with the survey number before approving layout plan & before according commencement certificate to proposed work. Plan approving authority should also ensure that zoning permissibility for the proposed project as per the approved development plan of the area. | |
| (v) | "Consent for Establishment" shall be obtained from Maharashtra Pollution Control Board under Air and Water Act and a copy shall be submitted to the Environment department before start of any construction work at site. | Consent to Establish has already been obtained from Maharashtra Pollution Control Board under Air and Water Act vide consent order No. BO/RO-HQ/EIC-NG-1186-14/CE /CC- 5096 dated 02.05.2015. |
| (vi) | All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase. | Complied. |
| (vii) | Project proponent shall ensure completion of STP, MSW disposal facility, green belt development prior to occupation of the buildings. No physical occupation or allotment will be given unless all above said environmental infrastructure is installed and made functional including water requirement in Para 2. Prior certification from appropriate authority shall be obtained. | Sewage treatment plant established and is operational with online monitoring facility of COD, BOD & TSS. Treated water being reused in green belt development. Please refer Annexure – IA Source segregation of domestic waste Into Bio-degradable & non-biodegradable carried out. Various awareness sessions conducted at township for housewives, housemaids and waste handling staffs. Separate dust bins for each household provided for source segregation of domestic waste. Please refer Annexure – V & VII Green belt has been developed in 7.05 ha area. Please refer Annexure – II. All relevant certificates obtained from appropriate authority. |
| (viii) | Provision shall be made for housing of construction labor within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche and First Aid Room etc. | Complied. |
| (ix) | Adequate drinking water and sanitary facilities should be provided for construction workers at site. Provision should be made for mobile toilets. The safe disposal of wastewater and solid wastes generated during the construction phase should be ensured. | Complied. |
| (x) | The solid waste generated should be properly collected and segregated, dry/inert solid waste | Solid waste yard developed for segregation and storage of organic & in-organic |

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| | should be disposed off to the approved sites for land filling after recovering recyclable material. | materials and disposal is being done as per MSW guidelines, Refer Annexure - VII |
| (xi) | Wet garbage should be treated by Organic Waste Converter and treated waste (manure) should be utilized in existing premises for gardening. And no wet garbage will be disposed outside the premises. Local authority should ensure this. | Kitchen waste is being disposed-off through Organic waste convertor machine which converts organic waste into manure. Manure is being utilized in green belt/horticulture development. Refer Annexure - V |
| (xii) | Arrangement shall be made that wastewater and storm water do not get mixed. | Domestic wastewater is being conveyed through closed pipelines to STP for treatment and being reutilized within the premises. Separate storm water drains established. |
| (xiii) | All the topsoil excavated during construction activities should be stored for use in horticulture / landscape development within the project site. | Complied. |
| (xiv) | Additional soil for leveling of proposed site shall be generated within the site (to the extent possible) so that natural drainage system of the area is protected and improved. | Complied. |
| (xv) | Green Belt Development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO/Agriculture Dept. | Thick plantation by selecting indigenous species carried out as per CPCB guidelines and in consultation with the local DFO/Agriculture Dept. We are maintaining more than 33% green belt development, especially all around the periphery of the residential complex and on the roadsides, preferably with local species, to provide protection against particulate matter and noise. The open space inside the township is landscaped and covered with green vegetation. Refer Annexure - II |
| (xvi) | Disposal of muck during construction phase should not create any adverse effect on the neighboring communities and be disposed taking necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority. | Complied. |
| (xvii) | Soil and ground water samples will be tested to ascertain that there is no threat to ground water quality by leaching of heavy metals and other toxic contaminants. | Complied We are using river water for drinking and domestic uses. No ground water is required at residential complex. |
| (xviii) | Construction spoils, including bituminous material and other hazardous materials must not be allowed to contaminate watercourse and the dumpsites for such material must be secured so that they should not leach into | Complied. |

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| | ground water. | |
| (xix) | Any hazardous waste generated during construction phase should be disposed off as per applicable rules and norms with necessary approvals of Maharashtra Pollution Control Board. | Complied. |
| (xx) | The diesel generator sets to be used during construction phase should be low sulphur diesel type and should conform to Environments (Protection) Rules prescribed for air and noise emission standards. | DG set Provided. DG sets are proposed to be used only in case of blackout. The chances are very remote as the power supply is from the regular station transformer of APML. Blackout can happen only in case of grid failure and transmission line failure. |
| (xxi) | The diesel required for operating DG sets shall be stored in underground tanks and if required, clearance from concern authority shall be taken. | Noted. The diesel required for operating DG set is being stored in HDPE drums at an isolated area. |
| (xxii) | Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards and should be operated only during non-peak hours. | All the vehicles used for construction materials supply were in good condition and PUC certificate ensured and other applicable norms maintained. |
| (xxiii) | Ambient noise levels should conform to residential standards both during day and night. Incremental pollution loads on ambient air and noise quality should be closely monitored during construction phase. Adequate measures should be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB/MPCB. | Complied. Ambient Air quality and Noise level is being monitored regularly. DG stack monitoring also being done periodically. There is no considerable incremental load were observed and Refer Annexure – I & IB. |
| (xxiv) | Fly ash should be used as building material in the construction as per the provisions of Fly Ash Notification of September 1999 and amended as on 27 th August, 2003. (The above condition applicable only if the project site is located within the 100Km of Thermal Power Stations). | Complied, We used fly ash bricks/blocks in our construction activities. We have also installed Fly Brick/paver blocks making units at power plant to meet our requirements |
| (xxv) | Ready mixed concrete must be used in building construction. | Complied. |
| (xxvi) | The approval of competent authority shall be obtained for structural safety of the buildings due to any possible earthquake, adequacy of firefighting equipment's etc. as per National Building Code including measures from lighting. | All required NOCs, Consents & permission already obtained & available |
| (xxvii) | Storm water control and its re-use as per CGWB and BIS standards for various applications. | Separate storm water drainage system established, and facility is being developed |

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| | | to maximum re-use of rainwater. |
| (xxviii) | Water demand during construction should be reduced by use of pre-mixed concrete curing agents and other best practiced referred. | Complied. |
| (xxix) | The ground water level and its quality should be monitored regularly in consultation with Ground Water Authority. | Ground water level & quality are being monitored Regularly. Rainwater harvesting practice adopted. Rooftop harvesting structures established. Around 29998m ³ rainwater harvested in FY 2022 – 23 through rooftop rainwater harvesting. Please Refer Annexure – VIII. |
| (xxx) | The installation of Sewage Treatment Plant (STP) should be certified by an independent expert and a report in this regard should be submitted to MPCB and Environment department before the project is commissioned for operation. Discharge of this unused treated effluent, if any should be discharged in the sewer line. Treated effluent emanating from STP shall be recycled/refused to the maximum extent possible. Treatment of 100% gray water by decentralized treatment should be done. Necessary measures should be made to mitigate the odour problem from STP. | Domestic wastewater treated suitably in STP and being used in green belt development. Regular maintenance is being carried out to mitigate odour or any nuisance. We are regularly monitor and analyze STP treated water and submitted monthly monitoring report to SRO, MPCB. Please Refer Annexure – I. |
| (xxxix) | Local body should ensure that no occupation certification is issued prior to operation of STP/MSW site etc. with due permission of MPCB. | Noted. STP is already operational and Solid waste Management practices is in place. Separate dust bins (Biodegradable and Non- biodegradable) are provided in each block as a source segregation practice and being disposed of as per MSW guidelines. |
| (xxxixii) | Permission to draw ground water and construction of basement if any shall be obtained from the competent Authority prior to construction/operation of the project. | Not required. Water is being sourced from Power Plant (APL) to cater requirement of township residents. |
| (xxxixiii) | Separation of gray and black water should be done by use of dual plumbing line for separation of gray and black water. | Dual plumbing line provided for separation of gray and black water. |
| (xxxixiv) | Fixtures for showers, toilets flushing and drinking should be of low flow either by use of aerators or pressure reducing devices or sensor based control. | Complied. |
| (xxxixv) | Use of glass maybe reduced up to 40% to reduce the electricity consumption and load on air conditioning. If necessary, use high quality double glass with special reflective coating in windows. | Complied. |
| (xxxixvi) | Roof should meet prescriptive requirement as per Energy Conservation Building Code by | Complied. |

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| | using appropriate thermal insulation material to fulfill requirement. | |
| (xxxvii) | Energy conservation measures like installation of CFLs/TFLs for the lighting the areas outside the building should be integral part of the project design and should be in place before project design and should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/rules of the regulatory authority to avoid mercury contamination. Use solar street lights, common solar water heaters system. Project proponent should install, after checking feasibility, solar plus hybrid non-conventional energy source as a source of energy. | Energy conservation practices adopted. CFLs/TFLs lights are being used. On expiry of its product life, the same is being disposed through authorized collection centers as per the guidelines of E-Waste Notification, Solar Street lights also installed at township. |
| (xxxviii) | Diesel power generating sets proposed as source of backup power for elevators and common area illumination during operation phase should be of enclosed type and conform to rules made under Environment (Protection) Act, 1986/ the height of stack of DG sets should be equal to height needed for the combined capacity of all proposed DG sets. Use low Sulphur diesel. The location of the DG sets may be decided with in consultation with Maharashtra Pollution Control Board. | Complied. The height of DG set stack is more than 6.5 meter from roof top. Low Sulphur fuel is being used. |
| (xxxix) | Noise should be controlled to ensure that it does not exceed the prescribed standards. During night-time the noise levels measured at the boundary of the building shall be restricted to the permissible levels to comply with the prevalent regulations. | Being complied. Noise monitoring report is enclosed as Annexure – I. |
| (xl) | Traffic congestion near the entry and exit points from the roads adjoining the proposed project site must be avoided. Parking should be fully internalized, and no public space should be utilized. | Parking was completely internalized, and no public space utilized. Care taken to ensure that there was no traffic congestion at the entry and exit points. |
| (xli) | Opaque wall should meet prescriptive requirement as per Energy Conservation Building Code, which is proposed to be mandatory for all air-conditioned spaces while it is aspirational for non-air-conditioned spaces by use of appropriate thermal insulation material to fulfill requirement | Complied. |
| (xlii) | The building should have adequate distance between them to allow movement of fresh air and passage of natural light, air and ventilation. | Adequate distance between two buildings maintained to allow movement of fresh air, passes of natural light, air and ventilation. |
| (xliii) | Regular supervision of the above and other measures for monitoring should be in place all | No disturbance observed in surroundings due to construction of residential complex |

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| | through the construction phase, so as to avoid disturbance to the surroundings. | during construction period & Regular supervision done. |
| (xliv) | Under the provision of Environment (Protection) Act, 1986, legal action shall be initiated against the project proponent if it was found that construction of the project has been started without obtaining environment clearance. | Complied No construction was started before obtaining Environmental Clearance. "Consent to Establish" & Consent to Operate obtained from Maharashtra Pollution Control Board. |
| (xlv) | Six monthly monitoring reports should be submitted to the Regional Office MoEF, Bhopal with copy to this department and MPCB. | Being complied. The last six-monthly report for the period of April'2022 to September'2022 was submitted to MoEF&CC, CPCB & MPCB vide letter no. APML/EMD/MoEF/EC/208/11/22 dated 25.11.2022. |
| (xlvi) | A complete set of all the documents submitted to Department should be forwarded to Local authority and MPCB. | Complied. |
| (xlvii) | In case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Department. | Noted & agreed. |
| (xlviii) | A separate environment management cell with qualifies staff shall be set up for implementation of the stipulated environmental safeguards. | We have already established Environment Management Department headed by GM and supported by Env. Manager, Chemist & Horticulturist at Tiroda TPP. |
| (xlix) | Separate funds shall be allocated for implementation of environment protection measures/EMP along with item-wise break-up. This cost shall be included as part of the project cost. The funds earmarked for the environment protection measures shall not be diverted for other purposes and year-wise expenditure should reported to MPCB & this department. | Separate fund has already been allocated and being utilize for Environmental Protection measures. |
| (l) | The project management shall advertise at least in two local newspaper widely circulated in the region around the project, one of which shall be in the Marathi language of the local concerned within seven days of issue of this letter, informing that the project has been accorded environmental clearance and copies of clearance letter are available with Maharashtra Pollution Control Board and may also be seen at Website at http://ec.maharashtra.gov.in . | Complied. |
| (li) | Project management should submit half yearly compliance reports in respect of the stipulated prior environment clearance terms and conditions in hard & soft copies to the MPCB & this department, on 1 st June & 1 st December of | Six monthly compliance report is regularly submitted to MoEF&CC, CPCB & MPCB. |

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| | each calendar year. | |
| (ii) | A copy of the clearance letter shall be sent by proponent to concerned Municipal Corporation and the local NGO, if any, from whom suggestion/ representations, if any, were received while processing the proposal. The clearance letter shall also be put on website of the Company by the proponent. | Complied. |
| (liii) | The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update same periodically, It shall simultaneously be sent to Regional Office of MoEF, the respective Zonal Office of CPCB and SPCB. The criteria pollutant levels namely SPM, RSPM, SO ₂ , NO _x (ambient levels as well as stack emissions) or critical sector parameters, indicated for the project shall be monitored and displayed at convenient location near main gate of the company in the public domain. | Compliance assured. We are regularly monitor Ambient Air Quality and submitted monthly monitoring report to SRO, MPCB and Refer Annexure - I & IB |
| (liv) | The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by e-mail) to respective Regional Office of MoEF, the respective zonal office of CPCB and the SPCB. | Six monthly reports on the status of compliance of the stipulated EC conditions along with monitoring reports are being submitted to MoEF&CC, CPCB & MPCB. The last six-monthly report for the period of April'2022 to September'2022 was submitted to MoEF&CC/CPCB/MPCB vide letter no. APML/EMD/MoEF/EC/208/11/22 dated 25.11.2022. |
| (lv) | The environmental statement for each financial year ending 31 st March in Form-V as in mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of EC conditions shall be sent to the respective Regional Offices of MoEF by e-mail | Environment Statement for F.Y 2021 – 22 filed online to MPCB portal dated 29.09.2022. Please refer Annexure - IV . |

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ADANI POWER MAHARASHTRA LIMITED

TIRORA

Format No: APML/ENV-LB/7.8/F01

URL No :TC5193200000001025F

Date :31.10.2022

| Issued To: | | APML,Plot No. A -1, Tirora Growth Centre, MIDC – Tirora, Dist. Gondia – 441 911 | | | | | |
|-----------------------|----------------------------------|---|------------------------|------------|--------|-------|-------|
| Sample Particulars : | | Ambient Air Quality (Township) | | | | | |
| Sample Collected by : | | Environment Dept. APML | | | | | |
| Test Report | | | | | | | |
| Station | Sampling Location | Sampling Date | Analysis Starting Date | Parameters | | | |
| | | | | PM 10 | PM 2.5 | SO2 | NOx |
| | | | | µg/m3 | µg/m3 | µg/m3 | µg/m3 |
| AAQ 1 | Near Quarter 'A' Block (1-12) | 18.10.2022 | 19.10.2022 | 25.0 | 13.7 | 10.0 | 12.5 |
| AAQ 2 | Near Quarter 'M' Block (145-156) | | | 30.0 | 10.4 | 11.6 | 13.7 |
| | | | | 100 | 60 | 80 | 80 |

*** End of the Report***

Note: Tested results are well within the permissible limits of National Ambient Air Quality Monitoring Standard

1. The report is referring only to the tested sample and for applicable parameter.
3. This report is not to be reproducing wholly or in part, and can't be used as evidence in court of law.

Arjun Singh
31/10/22
Authorized Signatory
(Technical Manager)

Page 1 of 1

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ADANI POWER MAHARASHTRA LIMITED

TIRORA

Format No: APML/ENV-LB/7.8/F01

URL No : TC519320000001018F

Date: 31.10.2022

| | | | |
|---|--|------------------------|------------------------|
| Issued To: | APML, Plot No. A -1, Tirora Growth Centre, MIDC - Tirora, Dist. Gondia - 441 911 | | |
| Sample Collection Date | 19.10.2022 | Analysis Starting Date | 19.10.2022 |
| Quantity received | 3 Lit /Sample | Sampled by | Environment Dept. APML |
| Sample Particulars : Treated Waste Water | | | |
| Location of sample : Township STP Out Let | | | |

TEST REPORT

| Sr no | Parameter (NABL SCOPE) | Unit | Test Methods | MPCB Standards | Results |
|-------|---------------------------------------|--------------|---|----------------|---------------|
| | | | | | Town ship STP |
| 1 | pH Value | -- | APHA-23rd -4500-H+B Electrometric Method | 6.5-9.0 | 7.7 |
| 2 | TSS | mg / l | APHA-23rd - 2540 D | 20 | 16 |
| 3 | COD | mg / l | APHA-22nd Ed 2012-5220B Open Reflux Method | 50 | 31 |
| 4 | BOD at 27°C for 3 days | mg / l | IS: 3025 (P-44)-1993 R-1999 Ad.1 BOD 3-days at 27 °C | 10 | 8 |
| #5 | Ammonium Nitrogen (NH ₄ N) | mg / l | APHA-23rd Ed 2017-4500 - NH ₃ F Phenate Method | 5 | 2.9 |
| #6 | N - Total | mg/l | APHA-23rd Ed 2017-4500 - N B Kjeldahl Method | 10 | 6 |
| #7 | Fecal Coliform | (mpn/100 ml) | APHA-23rd Ed 2017-9221:1 Total Coliform Detection Method | 100 | 10 |

End of the Report

Note: Tested results are well within the permissible limits of MPCB.

1. The report is referring only to the tested sample and for applicable parameter.
2. The sample will be destroyed after retention time unless otherwise specified specially.
3. This report is not to be reproducing wholly or in part, and can't be used as evidence in court of law.
4. # Indicates this parameter is not covered in our NABL scope


Authorized Signatory
(Technical Manager)

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ADANI POWER MAHARASHTRA LIMITED
TIRORA

Format No: APML/ENV-LB/7.8/F01

URL : TC5193200000001024F

Date: 31.10.2022

| | |
|-----------------------|---|
| Issued To: | APML, Plot No. A -1, Tirora Growth Centre, MIDC - Tirora, Dist. Gondia - 441 911 |
| Sample Particulars : | Ambient Noise Level (Township) |
| Sample Collected by : | Environment Dept. APML |
| Date of Sampling: | 18.10.2022 |


Test Report

| S. No | Locations | Day Time in dB (A) (6.00 a.m. to 10.00 p.m.) | Night Time in dB (A) (10.00 p.m. to 06.00 a.m.) |
|-----------------------------------|----------------------|--|--|
| 1 | Near Bachelor Hostel | 43.4 | 40.3 |
| 2 | Near Main gate | 54.7 | 42.3 |
| 3 | Near officer Club | 50.9 | 38.5 |
| 4 | Near Health Center | 43.4 | 36.2 |
| 5 | Near Cricket Ground | 50.0 | 42.6 |
| CPCB Standards (Residential Area) | | 55 | 45 |

*** End Of the Report***

Note: Tested results are well within the permissible limits of MPCB / CPCB.

1. The report is referring only to the tested sample and for applicable parameter.
2. The sample will be destroyed after retention time unless otherwise specified specially.
3. This report is not to be reproducing wholly or in part, and can't be used as evidence in court of law


31/10/22
Authorized Signatory
(Technical Manager)

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ADANI POWER MAHARASHTRA LIMITED
TIRORA

Format No: APML/ENV-LB/7.8/F01

URL No :TC5193200000001125F

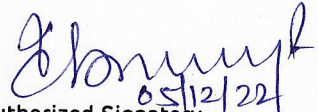
Date :30.11.2022

| Issued To: | APML,Plot No. A -1, Tirora Growth Centre, MIDC –Tirora, Dist. Gondia – 441 911 | | | | | | |
|-----------------------|--|---------------|------------------------|------------|--------|-------|-------|
| Sample Particulars : | Ambient Air Quality (Township) | | | | | | |
| Sample Collected by : | Environment Dept. APML | | | | | | |
| Test Report | | | | | | | |
| Station | Sampling Location | Sampling Date | Analysis Starting Date | Parameters | | | |
| | | | | PM 10 | PM 2.5 | SO2 | NOx |
| | | | | µg/m3 | µg/m3 | µg/m3 | µg/m3 |
| AAQ 1 | Near Quarter 'A' Block (1-12) | 15.11.2022 | 16.11.2022 | 24.7 | 11.9 | 10.1 | 13.2 |
| AAQ 2 | Near Quarter 'M' Block (145-156) | | | 31.6 | 17.7 | 9.1 | 11.9 |
| | | | | 100 | 60 | 80 | 80 |

*** End of the Report***

Note: Tested results are well within the permissible limits of National Ambient Air Quality Monitoring Standard

1. The report is referring only to the tested sample and for applicable parameter.
3. This report is not to be reproducing wholly or in part, and can't be used as evidence in court of law.


05/12/22
Authorized Signatory
(Technical Manager)

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ADANI POWER MAHARASHTRA LIMITED
TIRORA

Format No: APML/ENV-LB/7.8/F01

URL : TC5193200000001124F

Date: 30.11.2022

| | |
|-----------------------|---|
| Issued To: | APML, Plot No. A -1, Tirora Growth Centre, MIDC - Tirora, Dist. Gondia - 441 911 |
| Sample Particulars : | Ambient Noise Level (Township) |
| Sample Collected by : | Environment Dept. APML |
| Date of Sampling: | 15.11.2022 |

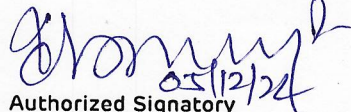
Test Report

| S. No | Locations | Day Time in dB (A) (6.00 a.m. to 10.00 p.m.) | Night Time in dB (A) (10.00 p.m. to 06.00 a.m.) |
|-----------------------------------|----------------------|--|--|
| 1 | Near Bachelor Hostel | 47.7 | 41.2 |
| 2 | Near Main gate | 52.1 | 43.2 |
| 3 | Near officer Club | 50.1 | 39.4 |
| 4 | Near Health Center | 41.3 | 38.7 |
| 5 | Near Cricket Ground | 53.2 | 41.9 |
| CPCB Standards (Residential Area) | | 55 | 45 |

*** End Of the Report***

Note: Tested results are well within the permissible limits of MPCB / CPCB.

1. The report is referring only to the tested sample and for applicable parameter.
2. The sample will be destroyed after retention time unless otherwise specified specially.
3. This report is not to be reproducing wholly or in part, and can't be used as evidence in court of law


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(Technical Manager)

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adani ENVIRONMENT LABORATORY

ADANI POWER MAHARASHTRA LIMITED
TIRORA

Format No: APML/ENV-LB/7.8/F01

URL No : TC519320000001111F

Date: 30.11.2022

| | | | |
|---|--|------------------------|------------------------|
| Issued To: | APML, Plot No. A -1, Tirora Growth Centre, MIDC - Tirora, Dist. Gondia - 441 911 | | |
| Sample Collection Date | 09.11.2022 | Analysis Starting Date | 09.11.2022 |
| Quantity received | 3 Lit /Sample | Sampled by | Environment Dept. APML |
| Sample Particulars : Treated Waste Water | | | |
| Location of sample : Township STP Out Let | | | |

TEST REPORT

| Sr no | Parameter (NABL SCOPE) | Unit | Test Methods | MPCB Standards | Results |
|-------|--------------------------|--------------|--|----------------|---------------|
| | | | | | Town ship STP |
| 1 | pH Value | -- | APHA-23rd -4500-H+B Electrometric Method | 6.5-9.0 | 7.9 |
| 2 | TSS | mg / l | APHA-23rd - 2540 D | 20 | 11.4 |
| 3 | COD | mg / l | APHA-22nd Ed 2012-5220B Open Reflux Method | 50 | 31.2 |
| 4 | BOD at 27°C for 3 days | mg / l | IS: 3025 (P-44)-1993 R-1999 Ad.1 BOD 3-days at 27 °C | 10 | 9 |
| #5 | Ammonium Nitrogen (NH4N) | mg / l | APHA-23rd Ed 2017-4500 - NH3 F Phenate Method | 5 | 2.1 |
| #6 | N - Total | mg/l | APHA-23rd Ed 2017-4500 - N B Kjeldahl Method | 10 | 2.2 |
| #7 | Fecal Coliform | (mpn/100 ml) | APHA-23rd Ed 2017-9221:1 Total Coliform Detection Method | 100 | 17 |

End of the Report

Note: Tested results are well within the permissible limits of MPCB.

1. The report is referring only to the tested sample and for applicable parameter.
2. The sample will be destroyed after retention time unless otherwise specified specially.
3. This report is not to be reproducing wholly or in part, and can't be used as evidence in court of law.
4. # Indicates this parameter is not covered in our NABL scope


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(Technical Manager)

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adani ENVIRONMENT LABORATORY

ADANI POWER MAHARASHTRA LIMITED
TIRORA

Format No: APML/ENV-LB/7.8/F01

URL No :TC5193200000001225F

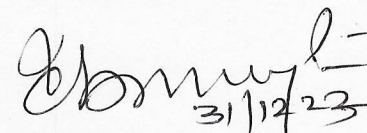
Date :31.12.2022

| Issued To: | | APML,Plot No. A -1, Tirora Growth Centre, MIDC – Tirora, Dist. Gondia – 441 911 | | | | | |
|-----------------------|----------------------------------|---|------------------------|------------|--------|-------|-------|
| Sample Particulars : | | Ambient Air Quality (Township) | | | | | |
| Sample Collected by : | | Environment Dept. APML | | | | | |
| Test Report | | | | | | | |
| Station | Sampling Location | Sampling Date | Analysis Starting Date | Parameters | | | |
| | | | | PM 10 | PM 2.5 | SO2 | NOx |
| | | | | µg/m3 | µg/m3 | µg/m3 | µg/m3 |
| AAQ 1 | Near Quarter 'A' Block (1-12) | 13.12.2022 | 14.12.2022 | 22.0 | 8.5 | 7.1 | 12.7 |
| AAQ 2 | Near Quarter 'M' Block (145-156) | | | 31.6 | 11.7 | 4.6 | 13.3 |
| | | | | 100 | 60 | 80 | 80 |

*** End of the Report***

Note: Tested results are well within the permissible limits of National Ambient Air Quality Monitoring Stanadard

1. The report is referring only to the tested sample and for applicable parameter.
3. This report is not to be reproducing wholly or in part, and can't be used as evidence in court of law.



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adani ENVIRONMENT LABORATORY

ADANI POWER MAHARASHTRA LIMITED
TIRORA

Format No: APML/ENV-LB/7.8/F01

URL No : TC519320000001211F

Date: 31.12.2022

| | | | |
|---|--|------------------------|------------------------|
| Issued To: | APML, Plot No. A -1, Tirora Growth Centre, MIDC – Tirora, Dist. Gondia – 441 911 | | |
| Sample Collection Date | 14.12.2022 | Analysis Starting Date | 14.12.2022 |
| Quantity received | 3 Lit /Sample | Sampled by | Environment Dept. APML |
| Sample Particulars : Treated Waste Water | | | |
| Location of sample : Township STP Out Let | | | |

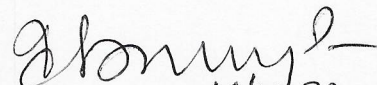
TEST REPORT

| Sr no | Parameter (NABL SCOPE) | Unit | Test Methods | MPCB Standards | Results |
|-------|---------------------------------------|--------------|---|----------------|---------------|
| | | | | | Town ship STP |
| 1 | pH Value | -- | APHA-23rd -4500-H+B Electrometric Method | 6.5-9.0 | 8.1 |
| 2 | TSS | mg / l | APHA-23rd - 2540 D | 20 | 17 |
| 3 | COD | mg / l | APHA-22nd Ed 2012-5220B Open Reflux Method | 50 | 39 |
| 4 | BOD at 27°C for 3 days | mg / l | IS: 3025 (P-44)-1993 R-1999 Ad.1 BOD 3-days at 27 °C | 10 | 6 |
| #5 | Ammonium Nitrogen (NH ₄ N) | mg / l | APHA-23rd Ed 2017-4500 - NH ₃ F Phenate Method | 5 | 3.2 |
| #6 | N - Total | mg/l | APHA-23rd Ed 2017-4500 - N B Kjeldahl Method | 10 | 4.1 |
| #7 | Fecal Coliform | (mpn/100 ml) | APHA-23rd Ed 2017-9221:1 Total Coliform Detection Method | 100 | 14 |

End of the Report

Note: Tested results are well within the permissible limits of MPCB.

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(Technical Manager)

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ADANI POWER MAHARASHTRA LIMITED
TIRORA

Format No: APML/ENV-LB/7.8/F01

URL : TC5193200000001224F

Date: 31.12.2022

| | |
|-----------------------|---|
| Issued To: | APML, Plot No. A -1, Tirora Growth Centre, MIDC - Tirora, Dist. Gondia - 441 911 |
| Sample Particulars : | Ambient Noise Level (Township) |
| Sample Collected by : | Environment Dept. APML |
| Date of Sampling: | 17.12.2022 |

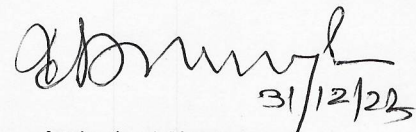
Test Report

| S. No | Locations | Day Time in dB (A) (6.00 a.m. to 10.00 p.m.) | Night Time in dB (A) (10.00 p.m. to 06.00 a.m.) |
|-----------------------------------|----------------------|--|--|
| 1 | Near Bachelor Hostel | 40.1 | 38.6 |
| 2 | Near Main gate | 44.3 | 40.1 |
| 3 | Near officer Club | 37.7 | 36.3 |
| 4 | Near Health Center | 37.3 | 36.0 |
| 5 | Near Cricket Ground | 45.2 | 41.5 |
| CPCB Standards (Residential Area) | | 55 | 45 |

*** End Of the Report***

Note: Tested results are well within the permissible limits of MPCB / CPCB.

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(Technical Manager)

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adani ENVIRONMENT LABORATORY

ADANI POWER MAHARASHTRA LIMITED
TIRORA

Format No: APML/ENV-LB/7.8/F01

URL No :TC5193230000000127F

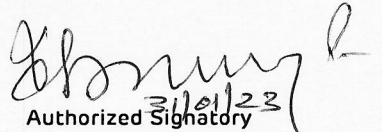
Date :31.01.2023

| Issued To: | APML,Plot No. A -1, Tirora Growth Centre, MIDC – Tirora, Dist. Gondia – 441 911 | | | | | | |
|-----------------------|---|---------------|------------------------|-------------------|-------------------|-------------------|-------------------|
| Sample Particulars : | Ambient Air Quality (Township) | | | | | | |
| Sample Collected by : | Environment Dept. APML | | | | | | |
| Test Report | | | | | | | |
| Station | Sampling Location | Sampling Date | Analysis Starting Date | Parameters | | | |
| | | | | PM 10 | PM 2.5 | SO2 | NOx |
| | | | | µg/m ³ | µg/m ³ | µg/m ³ | µg/m ³ |
| AAQ 1 | Near Quarter 'A' Block (1-12) | 24.01.2023 | 25.01.2023 | 20.2 | 12.2 | 6.1 | 10.7 |
| AAQ 2 | Near Quarter 'M' Block (145-156) | | | 13.7 | 8.4 | 7.1 | 11.3 |
| | | | | 100 | 60 | 80 | 80 |

*** End of the Report***

Note: Tested results are well within the permissible limits of National Ambient Air Quality Monitoring Standard

1. The report is referring only to the tested sample and for applicable parameter.
3. This report is not to be reproducing wholly or in part, and can't be used as evidence in court of law.


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Page 1 of 1

Format No: APML/ENV-LB/7.8/F01

URL : TC519320000000124F

Date: 31.01.2023

| | |
|-----------------------|---|
| Issued To: | APML, Plot No. A -1, Tirora Growth Centre, MIDC - Tirora, Dist. Gondia - 441 911 |
| Sample Particulars : | Ambient Noise Level (Township) |
| Sample Collected by : | Environment Dept. APML |
| Date of Sampling: | 17.01.2023 |

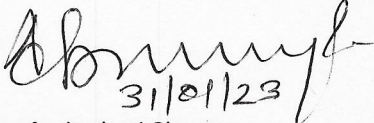
Test Report

| S. No | Locations | Day Time in dB (A) (6.00 a.m. to 10.00 p.m.) | Night Time in dB (A) (10.00 p.m. to 06.00 a.m.) |
|-----------------------------------|----------------------|--|--|
| 1 | Near Bachelor Hostel | 43.6 | 40.6 |
| 2 | Near Main gate | 50.1 | 39.8 |
| 3 | Near officer Club | 38.1 | 35.2 |
| 4 | Near Health Center | 38.3 | 33.5 |
| 5 | Near Cricket Ground | 43.7 | 41.4 |
| CPCB Standards (Residential Area) | | 55 | 45 |

*** End Of the Report***

Note: Tested results are well within the permissible limits of MPCB / CPCB.

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ADANI POWER MAHARASHTRA LIMITED
TIRORA

Format No: APML/ENV-LB/7.8/F01

URL No : TC519323000000112F

Date: 31.01.2023

| | | | |
|---|--|------------------------|------------------------|
| Issued To: | APML, Plot No. A -1, Tirora Growth Centre, MIDC - Tirora, Dist. Gondia - 441 911 | | |
| Sample Collection Date | 11.01.2023 | Analysis Starting Date | 11.01.2023 |
| Quantity received | 3 Lit /Sample | Sampled by | Environment Dept. APML |
| Sample Particulars : Treated Waste Water | | | |
| Location of sample : Township STP Out Let | | | |

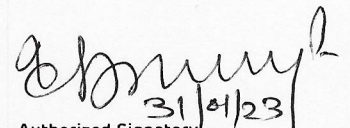
TEST REPORT

| Sr no | Parameter (NABL SCOPE) | Unit | Test Methods | MPCB Standards | Results |
|-------|--------------------------|--------------|--|----------------|---------------|
| | | | | | Town ship STP |
| 1 | pH Value | -- | APHA-23rd -4500-H+B Electrometric Method | 6.5-9.0 | 7.9 |
| 2 | TSS | mg / l | APHA-23rd - 2540 D | 20 | 13 |
| 3 | COD | mg / l | APHA-22nd Ed 2012-5220B Open Reflux Method | 50 | 31 |
| 4 | BOD at 27°C for 3 days | mg / l | IS: 3025 (P-44)-1993 R-1999 Ad.1 BOD 3-days at 27 °C | 10 | 9 |
| #5 | Ammonium Nitrogen (NH4N) | mg / l | APHA-23rd Ed 2017-4500 - NH3 F Phenate Method | 5 | 3.4 |
| #6 | N - Total | mg/l | APHA-23rd Ed 2017-4500 - N B Kjeldahl Method | 10 | 5 |
| #7 | Fecal Coliform | (mpn/100 ml) | APHA-23rd Ed 2017-9221:1 Total Coliform Detection Method | 100 | 18 |

End of the Report

Note: Tested results are well within the permissible limits of MPCB.

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2. The sample will be destroyed after retention time unless otherwise specified specially.
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(Technical Manager)

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adani ENVIRONMENT LABORATORY

ADANI POWER MAHARASHTRA LIMITED
TIRORA

Format No: APML/ENV-LB/7.8/F01

URL No :TC5193230000000212F

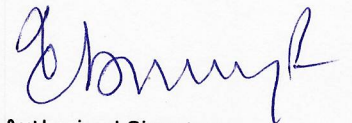
Date :28.02.20233

| Issued To: | APML,Plot No. A -1, Tirora Growth Centre, MIDC – Tirora, Dist. Gondia – 441 911 | | | | | | |
|-----------------------|---|---------------|------------------------|------------|--------|-------|-------|
| Sample Particulars : | Ambient Air Quality (Township) | | | | | | |
| Sample Collected by : | Environment Dept. APML | | | | | | |
| Test Report | | | | | | | |
| Station | Sampling Location | Sampling Date | Analysis Starting Date | Parameters | | | |
| | | | | PM 10 | PM 2.5 | SO2 | NOx |
| | | | | µg/m3 | µg/m3 | µg/m3 | µg/m3 |
| AAQ 1 | Near Quarter 'A' Block (1-12) | 17.02.2023 | 18.02.2023 | 26.3 | 12.2 | 7.6 | 16.9 |
| AAQ 2 | Near Quarter 'M' Block (145-156) | | | 21.5 | 15.9 | 6.1 | 15.8 |
| | | | | 100 | 60 | 80 | 80 |

*** End of the Report***

Note: Tested results are well within the permissible limits of National Ambient Air Quality Monitoring Standard

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3. This report is not to be reproducing wholly or in part, and can't be used as evidence in court of law.



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adani ENVIRONMENT LABORATORY

ADANI POWER MAHARASHTRA LIMITED
TIRORA

Format No: APML/ENV-LB/7.8/F01

URL No : TC519323000000208F

Date: 28.02.2023

| | | | |
|---|--|------------------------|------------------------|
| Issued To: | APML, Plot No. A -1, Tirora Growth Centre, MIDC - Tirora, Dist. Gondia - 441 911 | | |
| Sample Collection Date | 08.02.2023 | Analysis Starting Date | 08.02.2023 |
| Quantity received | 3 Lit /Sample | Sampled by | Environment Dept. APML |
| Sample Particulars : Treated Waste Water | | | |
| Location of sample : Township STP Out Let | | | |

TEST REPORT

| Sr no | Parameter (NABL SCOPE) | Unit | Test Methods | MPCB Standards | Results |
|-------|--------------------------|--------------|--|----------------|---------------|
| | | | | | Town ship STP |
| 1 | pH Value | -- | APHA-23rd -4500-H+B Electrometric Method | 6.5-9.0 | 7.3 |
| 2 | TSS | mg / l | APHA-23rd - 2540 D | 20 | 16 |
| 3 | COD | mg / l | APHA-22nd Ed 2012-5220B Open Reflux Method | 50 | 31 |
| 4 | BOD at 27°C for 3 days | mg / l | IS: 3025 (P-44)-1993 R-1999 Ad.1 BOD 3-days at 27 °C | 10 | 8 |
| #5 | Ammonium Nitrogen (NH4N) | mg / l | APHA-23rd Ed 2017-4500 - NH3 F Phenate Method | 5 | 2.8 |
| #6 | N - Total | mg/l | APHA-23rd Ed 2017-4500 - N B Kjeldahl Method | 10 | 7 |
| #7 | Fecal Coliform | (mpn/100 ml) | APHA-23rd Ed 2017-9221:1 Total Coliform Detection Method | 100 | 8 |

End of the Report

Note: Tested results are well within the permissible limits of MPCB.

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3. This report is not to be reproducing wholly or in part, and can't be used as evidence in court of law.


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Page 1 Of 1

Format No: APML/ENV-LB/7.8/F01

URLTC519323000000211F

Date: 28.02.2023

| | |
|-----------------------|---|
| Issued To: | APML, Plot No. A -1, Tirora Growth Centre, MIDC - Tirora, Dist. Gondia - 441 911 |
| Sample Particulars : | Ambient Noise Level (Township) |
| Sample Collected by : | Environment Dept. APML |
| Date of Sampling: | 17.02.2023 |

Test Report

| S. No | Locations | Day Time in dB (A) (6.00 a.m. to 10.00 p.m.) | Night Time in dB (A) (10.00 p.m. to 06.00 a.m.) |
|-----------------------------------|----------------------|--|--|
| 1 | Near Bachelor Hostel | 44.2 | 41.2 |
| 2 | Near Main gate | 52.9 | 42.2 |
| 3 | Near officer Club | 38.3 | 36.6 |
| 4 | Near Health Center | 42.2 | 37.0 |
| 5 | Near Cricket Ground | 50.8 | 40.6 |
| CPCB Standards (Residential Area) | | 55 | 45 |

*** End Of the Report***

Note: Tested results are well within the permissible limits of MPCB / CPCB.

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Format No: APL/ENV-LB/7.8/F01

URL No :TC5193230000000312F

Date :31.03.2023

| Issued To: | | APL,Plot No. A -1, Tirora Growth Centre, MIDC – Tirora, Dist. Gondia – 441 911 | | | | | |
|-----------------------|----------------------------------|--|------------------------|----------------------------|-----------------------------|--------------------------------------|--------------------------------------|
| Sample Particulars : | | Ambient Air Quality (Township) | | | | | |
| Sample Collected by : | | Environment Dept. APL | | | | | |
| Test Report | | | | | | | |
| Station | Sampling Location | Sampling Date | Analysis Starting Date | Parameters | | | |
| | | | | PM 10 µg/m ³ | PM 2.5 µg/m ³ | SO ₂ µg/m ³ | NO _x µg/m ³ |
| AAQ 1 | Near Quarter 'A' Block (1-12) | 17.03.2023 | 18.03.2023 | 34.5 | 14.2 | 6.1 | 9.4 |
| AAQ 2 | Near Quarter 'M' Block (145-156) | | | 26.5 | 12.7 | 5.7 | 13.5 |
| | | | | 100 | 60 | 80 | 80 |

*** End of the Report***

Note: Tested results are well within the permissible limits of National Ambient Air Quality Monitoring Standard

1. The report is referring only to the tested sample and for applicable parameter.
3. This report is not to be reproducing wholly or in part, and can't be used as evidence in court of law.



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Page 1 of 1

Format No: APL/ENV-LB/7.8/F01

URLTC5193230000000311F

Date: 31.03.2023

| | |
|-----------------------|--|
| Issued To: | APL, Plot No. A -1, Tirora Growth Centre, MIDC - Tirora, Dist. Gondia - 441 911 |
| Sample Particulars : | Ambient Noise Level (Township) |
| Sample Collected by : | Environment Dept. APL |
| Date of Sampling: | 17.03.2023 |

Test Report

| S. No | Locations | Day Time in dB (A) (6.00 a.m. to 10.00 p.m.) | Night Time in dB (A) (10.00 p.m. to 06.00 a.m.) |
|-----------------------------------|----------------------|--|--|
| 1 | Near Bachelor Hostel | 38.3 | 32.4 |
| 2 | Near Main gate | 51.4 | 41.9 |
| 3 | Near officer Club | 36.4 | 30.8 |
| 4 | Near Health Center | 37.5 | 30.3 |
| 5 | Near Cricket Ground | 45.2 | 39.0 |
| CPCB Standards (Residential Area) | | 55 | 45 |

*** End Of the Report***

Note: Tested results are well within the permissible limits of MPCB / CPCB.

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| | | | |
|---|--|------------------------|-----------------------|
| Issued To: | APL,Plot No. A -1, Tirora Growth Centre, MIDC – Tirora, Dist. Gondia – 441 911 | | |
| Sample Collection Date | 22.03.2023 | Analysis Starting Date | 22.03.2023 |
| Quantity received | 3 Lit /Sample | Sampled by | Environment Dept. APL |
| Sample Particulars : Treated Waste Water | | | |
| Location of sample : Township STP Out Let | | | |

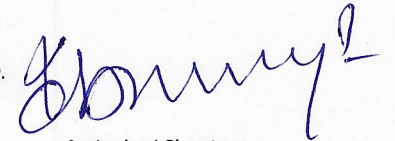
TEST REPORT

| Sr no | Parameter (NABL SCOPE) | Unit | Test Methods | MPCB Standards | Results |
|-------|--------------------------|--------------|--|----------------|---------------|
| | | | | | Town ship STP |
| 1 | pH Value | -- | APHA-23rd -4500-H+B Electrometric Method | 6.5-9.0 | 7.8 |
| 2 | TSS | mg / l | APHA-23rd - 2540 D | 20 | 16 |
| 3 | COD | mg / l | APHA-22nd Ed 2012-5220B Open Reflux Method | 50 | 38 |
| 4 | BOD at 27°C for 3 days | mg / l | IS: 3025 (P-44)-1993 R-1999 Ad.1 BOD 3-days at 27 °C | 10 | 8 |
| #5 | Ammonium Nitrogen (NH4N) | mg / l | APHA-23rd Ed 2017-4500 - NH3 F Phenate Method | 5 | 3.2 |
| #6 | N - Total | mg/l | APHA-23rd Ed 2017-4500 - N B Kjeldahl Method | 10 | 6.8 |
| #7 | Fecal Coliform | (mpn/100 ml) | APHA-23rd Ed 2017-9221:1 Total Coliform Detection Method | 100 | 6 |

End of the Report

Note: Tested results are well within the permissible limits of MPCB.

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Page 1 Of 1

**ADANI POWER LIMITED, TIRODA
(Residential Complex)**

GREEN BELT & PLANTATION DETAILS

Total Area Covered till date : 7.05Ha

Total Tree Planted : 7225 Nos.

Total Shrubs Planted : 8461 Sq. Meter

Total Green Carpet : 43794 Sq. Meter

Species used for Green Belt Development

| | | |
|-------------------------|---------------------------------|-------------------------------|
| Junifer | Azadiracta indica | Ficus religeosa - Piple |
| Lichi | Peltaphorum | Ficus bengalensis - Wad |
| Jackranda | Tabebuia avellandea | Hedge |
| Spathodia | Bauhinia blakiana | Casuarina |
| Rain Tree | Milingtonia hortensis | Chikoo |
| Mimusopes ellengii | Golden melaleuea - Bottle Brush | Guava - L 49 |
| Pulchurima | Fox Tail Palm | Lemon |
| Plumeria alba | Travellers Palm | Sitafal |
| Palms | Fish Tail Palm | Sita ashok |
| Acrus sapota | Royal Palm | Starlight |
| Sizigium cumini | Nut Palm | Parijatak |
| Kagzi lime | Champion Palm | Ratrani |
| Aonla | Bismarkia Palm | Golden Bamboo |
| Bogunvellia | Coconut | Tagar varigated |
| Aegle marmelos | Washingtonia FF | Alamanda |
| Murraya koenigii | Tabebuia rosea | Cassia biflora |
| Psidium guavajava | Tabebuia avellanedai | Alstonia scholaris - Saptarni |
| Shrubs Gr. Plantation | Alistonia scholarisis. | Delonix regia - Gulmohar |
| Sizigium cumini - Jamun | Mangifera indica | Ficus black |
| Custurd apple | Jack fruit | Ficus golden |
| Moringa oleifera | | |

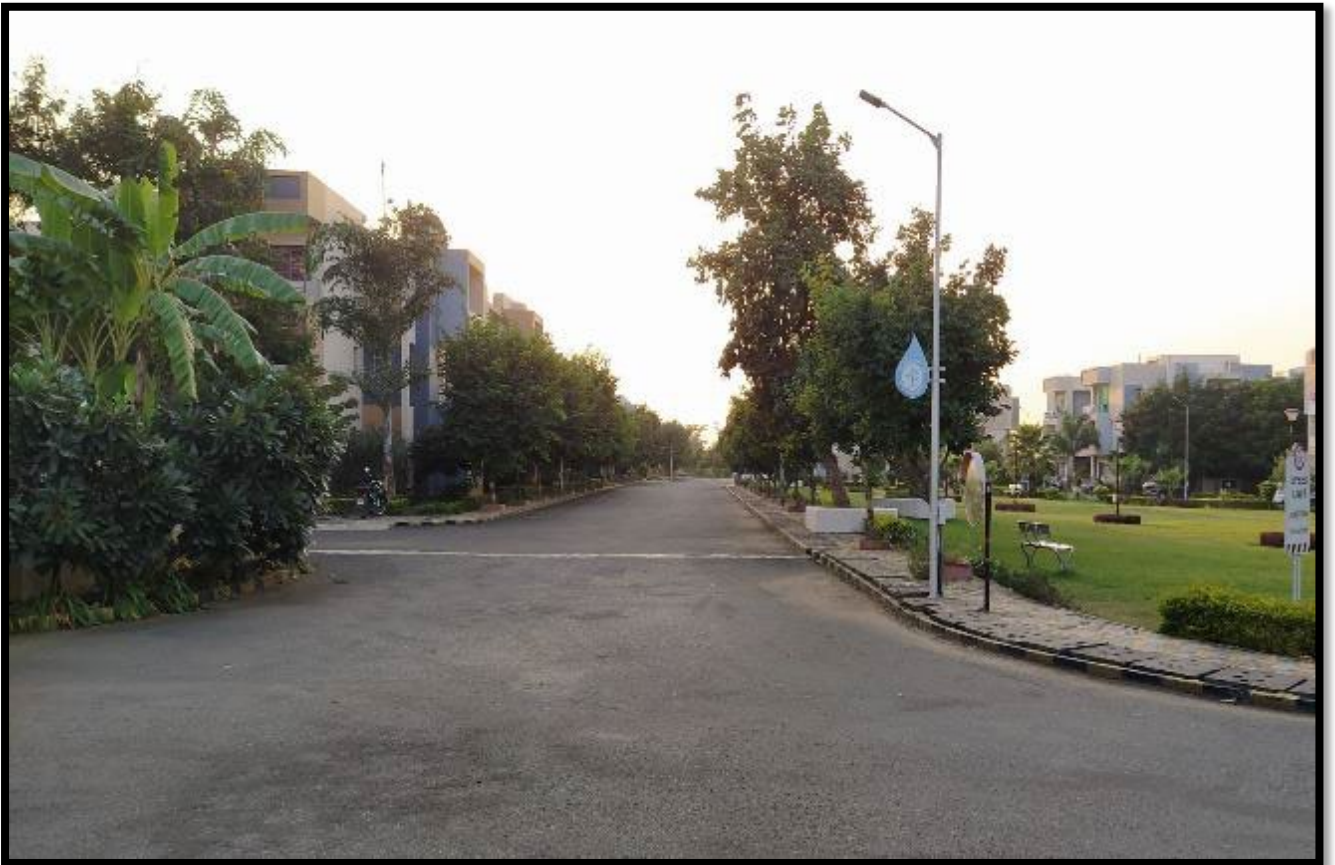
ADANI POWER LIMITED, TIRODA
(Residential Complex)



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(Residential Complex)



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(Residential Complex)



ADANI POWER LIMITED, TIRODA
(Residential Complex)



Township STP

(Capacity: 240m³/Day)



Online Monitoring Facility at STP



Display Unit

Analyzer dipped in Outlet Tank



Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

Annexure - IV

FORM V

(See Rule 14)

Environmental Audit Report for the financial Year ending the 31st March 2022

Unique Application Number

MPCB-ENVIRONMENT_STATEMENT-0000049041

Submitted Date

29-09-2022

PART A

Company Information

Company Name

Residential complex for Tiroda thermal power plant of Adani Power Maharashtra Limited.

Application UAN number

MPCB-CONSENT-0000086203

Address

Shantigram Adani Township Berdipar, Tehsil Tiroda.Dist. Gondia

Plot no

Kachewani, Berdipar

Taluka

Tiroda

Village

Berdipar

Capital Investment (In lakhs)

13850.00

Scale

S.S.I

City

Gondia

Pincode

441911

Person Name

Kanti Biswas

Designation

Station Head

Telephone Number

8875088555

Fax Number

Email

Kanti.Biswas@adani.com

Region

SRO-Bhandara

Industry Category

Orange

Industry Type

O21 Building and construction project more than 20,000 sq. m built up area

Last Environmental statement submitted online

yes

Consent Number

MPCB-CONSENT-0000086203

Consent Issue Date

2020-08-17

Consent Valid Upto

2025-01-31

Establishment Year

2015

Date of last environment statement submitted

Jan 1 1900 12:00:00:000AM

Industry Category Primary (STC Code) & Secondary (STC Code)

Product Information

Product Name

NA

Consent Quantity

0

Actual Quantity

0

UOM

CMD

By-product Information

By Product Name

Not Application

Consent Quantity

0

Actual Quantity

0

UOM

CMD

Part-B (Water & Raw Material Consumption)

1) Water Consumption in m3/day

| Water Consumption for Process | Consent Quantity in m3/day | Actual Quantity in m3/day |
|-------------------------------|----------------------------|---------------------------|
| Cooling | 0.00 | 0.00 |
| Domestic | 240.00 | 210.00 |
| All others | 0.00 | 0.00 |
| Total | 240.00 | 210.00 |

2) Effluent Generation in CMD / MLD

| Particulars | Consent Quantity | Actual Quantity | UOM |
|-------------------|------------------|-----------------|-----|
| Domestic Effluent | 192 | 156 | CMD |

2) Product Wise Process Water Consumption (cubic meter of process water per unit of product)

| Name of Products (Production) | During the Previous financial Year | During the current Financial year | UOM |
|-------------------------------|------------------------------------|-----------------------------------|-----|
| OTHERS | 0 | 0 | CMD |

3) Raw Material Consumption (Consumption of raw material per unit of product)

| Name of Raw Materials | During the Previous financial Year | During the current Financial year | UOM |
|-----------------------|------------------------------------|-----------------------------------|-----|
| Not Applicable | 0 | 0 | CMD |

4) Fuel Consumption

| Fuel Name | Consent quantity | Actual Quantity | UOM |
|-----------|------------------|-----------------|--------|
| HSD | 67 | 0.0908 | Ltr/Hr |

Part-C

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

[A] Water

| Pollutants Detail | Quantity of Pollutants discharged (kL/day) | Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour | Percentage of variation from prescribed standards with reasons | Standard | Reason |
|---------------------------|--|--|--|----------|--------|
| | Quantity | Concentration | %variation | | |
| pH | 0 | 7.6 | - | - | - |
| TSS | 0 | 14.3 | - | - | - |
| COD | 0 | 32.3 | - | - | - |
| BOD | 0 | 8.3 | - | - | - |
| AMMONICAL NITROGEN (NH-N) | 0 | 2.0 | - | - | - |
| N-TOTAL | 0 | 4 | - | - | - |
| FECAL COLIFORM | 0 | 11.9 | - | - | - |

[B] Air (Stack)

| Pollutants Detail | Quantity of Pollutants discharged (kL/day) | Concentration of Pollutants discharged(Mg/NM3) | Percentage of variation from prescribed standards with reasons | Standard | Reason |
|-------------------|--|--|--|----------|--------|
| | Quantity | Concentration | %variation | | |

Part-D

HAZARDOUS WASTES

1) From Process

| Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|----------------------|--------------------------------------|-------------------------------------|-----|
| 0 | 0 | 0 | CMD |

2) From Pollution Control Facilities

| Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|----------------------|--------------------------------------|-------------------------------------|-----|
| 0 | 0 | 0 | CMD |

Part-E

SOLID WASTES

1) From Process

| Non Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|--------------------------|--------------------------------------|-------------------------------------|----------|
| NA | 0 | 0 | Kg/Annum |

2) From Pollution Control Facilities

| Non Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|--------------------------|--------------------------------------|-------------------------------------|----------|
| STP SLUDGE | 1451.37 | 772.65 | Kg/Annum |

3) Quantity Recycled or Re-utilized within the unit

| Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|------------|--------------------------------------|-------------------------------------|-----|
| 0 | 0 | 0 | CMD |

Part-F

Please specify the characteristics(in terms of concentration and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.

1) Hazardous Waste

| Type of Hazardous Waste Generated | Qty of Hazardous Waste | UOM | Concentration of Hazardous Waste |
|-----------------------------------|------------------------|-----|----------------------------------|
| | 0 | CMD | 0 |

2) Solid Waste

| Type of Solid Waste Generated | Qty of Solid Waste | UOM | Concentration of Solid Waste |
|-------------------------------|--------------------|----------|---|
| Bio-degradable waste | 16425 | Kg/Annum | Food & Vegetable and Holticulture Waste |
| Non Bio-degradable waste | 38325 | Kg/Annum | Plastic Glass, Metals, Rubber Waste |

Part-G

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

| Description | Reduction in Water Consumption (M3/day) | Reduction in Fuel & Solvent Consumption (KL/day) | Reduction in Raw Material (Kg) | Reduction in Power Consumption (KWH) | Capital Investment(in Lacs) | Reduction in Maintenance(in Lacs) |
|-------------|---|--|--------------------------------|--------------------------------------|-----------------------------|-----------------------------------|
| NA | 0 | 0 | 0 | 0 | 0 | 0 |

Part-H

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

[A] Investment made during the period of Environmental Statement

| Detail of measures for Environmental Protection | Environmental Protection Measures | Capital Investment (Lacks) |
|--|--|-----------------------------------|
| Environmental Monitoring | Air,Water,Noise Monitoring | 1.83 |
| O& M of Pollution Control Equipments | Operation Cost | 17 |
| Modification of Township STP | Modification of STP Plant As Per New Norms | 29 |
| Green Belt development including Nursary | Samling plantation & Maintenance of Existing Greenry | 20 |
| Rain Water Harvesting | Construction of rain water structure | 1.0 |
| Biomedical Waste Management | BMW handling & disposal as per MPCB Guidlines | 0.635 |
| Waste Management | Implementation of Waste Management | 37.77 |

[B] Investment Proposed for next Year

| Detail of measures for Environmental Protection | Environmental Protection Measures | Capital Investment (Lacks) |
|--|--|-----------------------------------|
| Environmental Monitoring | Air,Water,Noise Monitoring | 2.0 |
| O& M of Pollution Control Equipments | Operation Cost | 20 |
| Green Belt development including Nursary | Samling plantation & Maintenance of Existing Greenry | 25 |
| Rain Water Harvesting | Construction of rain water structure | 2.0 |
| Biomedical Waste Management | BMW handling & disposal as per MPCB Guidlines | 0.8 |
| Waste Management | Implementation of Waste Management | 42.99 |

Part-I

Any other particulars for improving the quality of the environment.

Particulars

1) '5 S Concept implemented to maintain best class of House keeping 2) Rainharvesting practices implemented . 3) Green belt development& Land scaping done to maintain aesthetic view of the township .

Name & Designation

Kanti Biswas- Station Head

UAN No:

MPCB-ENVIRONMENT_STATEMENT-0000049041

Submitted On:

29-09-2022

WASTE PROCESSING FACILITIES
Organic waste convertor, Paper recycling units & Solid waste yard





Paper Recycling Unit & Products

LIFTING OF SOLID WASTE BY LOCAL RECYCLER



Awareness on Waste Management



Awareness for Housemaids on Source Segregation of Waste





RECYCLABLE WASTE
सूखा कचरा

-  **PAPER, TISSUES**
कागज, पेपर, तैपकिन
-  **PLASTICS**
प्लास्टिक
-  **GLASS**
शीश
-  **CANS**
टिन

No food or liquid in this bin.
इस बिन में पानी या खाना ना डालें ।

FOOD WASTE
खाने का कचरा

-  **FRUIT PEELS**
फलों का छिलका
-  **Food Scraps**
जखा हुआ खाना
-  **Tea Bags**
चाय पत्ती

No Plastic bags in this bin
इस बिन में प्लास्टिक बैग ना डालें

Groundwater Recharge through Roof Top Rainwater Harvesting at Residential Complex

| Sr. No. | Month | Rainfall (mm) | Rainwater Harvesting (m3) |
|--------------|----------------|---------------|---------------------------|
| 1 | April - 22 | 2 | 22.89 |
| 2 | May - 22 | 8.4 | 96.16 |
| 3 | June - 22 | 240.6 | 2754.17 |
| 4 | July - 22 | 1116 | 12774.96 |
| 5 | August - 22 | 990.4 | 11337.21 |
| 6 | September - 22 | 198.7 | 2274.54 |
| 7 | October - 22 | 64.5 | 738.34 |
| Total | | 2556 | 29998 |

Rooftop Rainwater Harvesting at Residential Complex