



Power

Ref: APML/EMD/MOEF/EC/208/11/22

Date: 25/11/2022

To,
Additional Principal Chief Conservator of Forest
Ministry of Environment, Forest & Climate Change
Regional Office (WCZ),
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 Green belt development etc. for the period of **April'2022 to September'2022** in soft (e-mail).

This is for your kind information & record please.

Thanking you

Yours faithfully,
for **Adani Power Maharashtra Limited**

(**Santosh Kumar Singh**)
Authorized Signatory

Encl: **As above**

CC:

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

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

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

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

Adani Power Maharashtra Ltd
Adani Corporate House
Shantigram, S G Highway
Ahmedabad 382 421
Gujarat, India
CIN: U40101GJ2007PLC050506

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

Registered Office: Adani Corporate House, Shantigram, Nr Vaishno Devi Circle, S G Highway, Khodiyar, Ahmedabad 382 421, Gujarat, India

**SIX MONTHLY COMPLIANCE REPORT
OF
ENVIRONMENTAL CLEARANCE**

Residential Complex for Tirora 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**



Submitted By:

**Environment Management Department
Adani Power Maharashtra Limited
Plot NO: A -1, Tirora Growth Centre
MIDC, Tirora, Gondia – 441911 (M.H)**

PERIOD: APRIL'2022 – SEPTEMBER'2022

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2	Environmental Monitoring Report From APRIL'2022 – SEPTEMBER'2022 <ul style="list-style-type: none"> • Ambient Air Quality Report • Noise Level Monitoring Report • Sewage Water Analysis Report 	Annexure - I
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7	Waste Processing Facilities (OWC, PRM, SWY)	Annexure – V
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Compliance status on Environmental Clearance

(for residential complex for Tiroda Thermal Power Plant at village Berdipar, Tal.

Tiroda, Dist. Gondia by Adani Power Maharashtra Limited.)

Letter No. SEAC-2212/CR-93/TC-2, dated 30.09.2014

Sl. No	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 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 232kg/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. 36.70MT of non-biodegradable Waste disposed-off through local recycler. Please refer Annexure – VI & VII
(iv)	The height, Construction built up area of proposed construction shall be in accordance with the existing FSI/FAR norms of the urban local body & it should ensure the same along	FSI/FAR norms have been complied.

	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 should be disposed off to the approved sites for land filling after recovering recyclable material.	Solid waste yard developed for segregation and storage of organic & inorganic 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 waste water and storm water do not get mixed.	Domestic waste water 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, so as to provide protection against particulate 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.	Compliance Assured. 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 ground water.	Complied.
(xix)	Any hazardous waste generated during construction phase should be disposed off as	Complied.

	per applicable rules and norms with necessary approvals of Maharashtra Pollution Control Board.	
(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 APLM. 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 & IA)
(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 obtained.
(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 to maximum re-use of rainwater.
(xxvii i)	Water demand during construction should be reduced by use of pre-mixed concrete curing	Complied.

	agents and other best practiced referred.	
(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 29260m ³ rainwater harvested in FY 2022 – 23 (April-Sept) 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 & IA.
(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 off as per MSW guidelines.
(xxxii)	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 Plant (APML) to cater requirement of township residents.
(xxxii i)	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.
(xxxv)	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.
(xxxv)	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.
(xxxv i)	Roof should meet prescriptive requirement as per Energy Conservation Building Code by using appropriate thermal insulation material to fulfill requirement.	Complied.

(xxxv ii)	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 off through authorized collection centers as per the guidelines of E-Waste Notification, Solar Street lights also installed at township.
(xxxv iii)	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. Height of DG set stack is more than 6.5 meter from roof top. Low Sulphur fuel is being used.
(xxxix x)	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
(xli)	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.
(xlii)	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.
(xliii)	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.
(xliv)	Regular supervision of the above and other measures for monitoring should be in place all through the construction phase, so as to avoid disturbance to the surroundings.	No disturbance observed in surroundings due to construction of residential complex during construction period & Regular supervision done.

(xlv)	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 October'21 – March'22 was submitted to MoEF&CC/CPCB/MPCB vide our letter no. APML/EMD/MoEF/EC/159/05/22 dated 27.05.2022.
(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 APML.
(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 each calendar year.	Six monthly compliance report is regularly submitted to MoEF&CC, CPCB & MPCB.
(lii)	A copy of the clearance letter shall be sent by proponent to concerned Municipal Corporation	Complied.

	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.	
(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 & IA
(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 MoEFCC/CPCB/ MPCB. The last six-monthly report for the period of Oct'2021 – March'22 was submitted to MoEF&CC/CPCB/MPCB vide our letter no. APML/EMD/MoEF/EC/159/05/22 dated 27.05.2022.
(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 vide UAN_MPCB-ENVIRONMENT_STATEMENT-0000049041 dated 29.09.2022, Please refer Annexure - IV.

ADANI POWER MAHARASHTRA LIMITED, TIRODA

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

URL : TC519320000000424F

Date: 30.04.2022

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:	11.04.2022

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	46.4	40.2
2	Near Main gate	52.0	39.8
3	Near officer Club	47.5	41.2
4	Near Health Center	40.0	33.2
5	Near Cricket Ground	54.0	34.4
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.



[Signature]
30/4/22
Authorized Signatory
(Technical Manager)

ADANI POWER MAHARASHTRA LIMITED, TIRODA

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

URL No : TC519320000000418F

Date: 30.04.2022

Issued To:	APML, Plot No. A -1, Tirora Growth Centre, MIDC – Tirora, Dist. Gondia – 441 911		
Sample Collection Date	20.04.2022	Analysis Starting Date	20.04.2022
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	7.8
2	TSS	mg / l	APHA-23rd - 2540 D	20	14
3	COD	mg / l	APHA-22nd Ed 2012- 5220B Open Reflux Method	50	22
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	8.9
#5	Ammonium Nitrogen (NH4N)	mg / l	APHA-23rd Ed 2017- 4500 - NH3 F Phenate Method	5	1.1
#6	N - Total	mg/l	APHA-23rd Ed 2017- 4500 - N B Kjeldahl Method	10	1.2
#7	Fecal Coliform	(mpn/100 ml)	APHA-23rd Ed 2017- 9221:1 Total Coliform Detection Method	100	15

End of the Report

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

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4. # Indicates this parameter is not covered in our NABL scope



[Signature]
Authorized Signatory
(Technical Manager) 30/4/22

Page 1 Of 1

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

URL No :TC519320000000425F

Date :30.04.2022

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. APM					
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)	11.04.2022	11.04.2022	58.5	28.0	6.3	15.6
AAQ 2	Near Quarter 'M' Block (145-156)			50.7	21.2	7.3	11.4
				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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[Signature]
30/04/22
Authorized Signatory
(Technical Manager)

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ADANI POWER MAHARASHTRA LIMITED, TIRODA

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

URL No :TC519320000000525F

Date :31.05.2022

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/m ³	µg/m ³	µg/m ³	µg/m ³
AAQ 1	Near Quarter 'A' Block (1-12)	09.05.2022	10.05.2022	64.3	35.3	11.0	19.4
AAQ 2	Near Quarter 'M' Block (145-156)			46.7	27.8	11.5	14.2
				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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(Signature)
31/05/22
Authorized Signatory
(Technical Manager)

Page 1 of 1

ADANI POWER MAHARASHTRA LIMITED, TIRODA

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

URL : TC519320000000524F

Date: 31.05.2022

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:	14.05.2022

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	46.3	41.2
2	Near Main gate	54.1	40.8
3	Near officer Club	45.5	38.7
4	Near Health Center	41.5	34.9
5	Near Cricket Ground	52.5	35.2
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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(Signature)
31/05/22
Authorized Signatory
(Technical Manager)

ADANI POWER MAHARASHTRA LIMITED, TIRODA

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

URL No : TC519320000000507F

Date: 31.05.2022

Issued To:	APML, Plot No. A -1, Tirora Growth Centre, MIDC – Tirora, Dist. Gondia – 441 911		
Sample Collection Date	04.05.2022	Analysis Starting Date	04.05.2022
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	8.8
2	TSS	mg / l	APHA-23rd - 2540 D	20	13
3	COD	mg / l	APHA-22nd Ed 2012- 5220B Open Reflux Method	50	40
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	1.5
#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.

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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



Arun Pratap Singh
31/05/22
Authorized Signatory
(Technical Manager)

Page 1 Of 1

ADANI POWER MAHARASHTRA LIMITED, TIRODA

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

URL No :TC5193200000000625F

Date :27.06.2022

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 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)	02.06.2022	03.06.2022	34.1	19.6	10.0	12.2
AAQ 2	Near Quarter 'M' Block (145-156)			28.0	20.1	8.2	13.1
				100	60	80	80

*** End of the Report***

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

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




30/6/22
Authorized Signatory
(Technical Manager)

Page 1 of 1

ADANI POWER MAHARASHTRA LIMITED, TIRODA

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

URL No : TC5193200000000615F

Date: 27.06.2022

Issued To:	APML, Plot No. A -1, Tirora Growth Centre, MIDC – Tirora, Dist. Gondia – 441 911		
Sample Collection Date	15.06.2022	Analysis Starting Date	15.06.2022
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	18
3	COD	mg / l	APHA-22nd Ed 2012-5220B Open Reflux Method	50	30
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	2.2
#6	N - Total	mg/l	APHA-23rd Ed 2017- 4500 - N B Kjeldahl Method	10	1.2
#7	Fecal Coliform	(mpn/100 ml)	APHA-23rd Ed 2017- 9221:1 Total Coliform Detection Method	100	12

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.
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



[Signature]
30/6/22
Authorized Signatory
(Technical Manager)

Page 1 Of 1

ADANI POWER MAHARASHTRA LIMITED, TIRODA

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

URL : TC5193200000000624F

Date: 27.06.2022

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:	02.06.2022

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	45.3	40.2
2	Near Main gate	53.9	41.8
3	Near officer Club	53.0	39.2
4	Near Health Center	41.0	35.1
5	Near Cricket Ground	51.6	40.8
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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3. This report is not to be reproducing wholly or in part, and can't be used as evidence in court of law.



Arun Pratap Singh
30/6/22
Authorized Signatory
(Technical Manager)

adani ENVIRONMENT LABORATORY

ADANI POWER MAHARASHTRA LIMITED
TIRORA

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

URL No :TC519320000000725F

Date :31.07.2022

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 µg/m3	PM 2.5 µg/m3	SO2 µg/m3	NOx µg/m3
AAQ 1	Near Quarter 'A' Block (1-12)	19.07.2022	20.07.2022	31.0	15.2	8.6	11.3
AAQ 2	Near Quarter 'M' Block (145-156)			29.6	14.5	9.1	10.7
				100	60	80	80

*** End of the Report***

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

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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 : TC519320000000711F

Date: 31.07.2022

Issued To:	APML, Plot No. A -1, Tirora Growth Centre, MIDC - Tirora, Dist. Gondia - 441 911		
Sample Collection Date	13.07.2022	Analysis Starting Date	13.07.2022
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	16
3	COD	mg / l	APHA-22nd Ed 2012- 5220B Open Reflux Method	50	40
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	1.1
#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.

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4. # Indicates this parameter is not covered in our NABL scope


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(Technical Manager)

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ADANI POWER MAHARASHTRA LIMITED
TIRORA

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

URL : TC519320000000724F

Date: 31.07.2022

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:	19.07.2022

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	42.0	39.9
2	Near Main gate	49.3	40.2
3	Near officer Club	45.5	38.8
4	Near Health Center	37.9	32.2
5	Near Cricket Ground	52.2	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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ADANI POWER MAHARASHTRA LIMITED
TIRORA

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

URL No :TC519320000000825F

Date :30.08.2022

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)	23.08.2022	24.08.2022	25.0	14.3	10.2	16.2
AAQ 2	Near Quarter 'M' Block (145-156)			19.1	13.1	11.6	17.4
				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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ADANI POWER MAHARASHTRA LIMITED
TIRORA

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

URL : TC519320000000824F

Date: 30.08.2022

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:	23.08.2022

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	41.1	40.3
2	Near Main gate	50.1	39.4
3	Near officer Club	40.0	34.2
4	Near Health Center	43.3	36.4
5	Near Cricket Ground	51.8	40.4
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.B/F01

URL No : TC519320000000811F

Date: 30.08.2022

Issued To:	APML, Plot No. A -1, Tirora Growth Centre, MIDC - Tirora, Dist. Gondia - 441 911		
Sample Collection Date	10.08.2022	Analysis Starting Date	10.08.2022
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	18
3	COD	mg / l	APHA-22nd Ed 2012- 5220B Open Reflux Method	50	40
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 Pherate Method	5	2.3
#6	N - Total	mg/l	APHA-23rd Ed 2017- 4500 - N B Kjeldahl Method	10	1.4
#7	Fecal Coliform	(mpn/100 ml)	APHA-23rd Ed 2017- 9221.1 Total Coliform Detection Method	100	12

End of the Report

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

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4. # Indicates this parameter is not covered in our NABL scope


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(Technical Manager)

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ADANI POWER MAHARASHTRA LIMITED
TIRORA

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

URL No :TC519320000000925F

Date :30.09.2022

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 µg/m3	PM 2.5 µg/m3	SO2 µg/m3	NOx µg/m3
AAQ 1	Near Quarter 'A' Block (1-12)	27.09.2022	28.09.2022	21.4	16.3	9.0	13.1
AAQ 2	Near Quarter 'M' Block (145-156)			26.0	13.2	10.5	15.1
				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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08/10/22
Authorized Signatory
(Technical Manager)

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ADANI POWER MAHARASHTRA LIMITED
TIRORA

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

URL No : TC519320000000911F

Date: 30.09.2022

Issued To:	APML, Plot No. A -1, Tirora Growth Centre, MIDC – Tirora, Dist. Gondia – 441 911		
Sample Collection Date	21.09.2022	Analysis Starting Date	21.09.2022
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	7.2
2	TSS	mg / l	APHA-23rd - 2540 D	20	17
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	2.6
#6	N - Total	mg/l	APHA-23rd Ed 2017- 4500 - N B Kjeldahl Method	10	1.8
#7	Fecal Coliform	(mpn/100 ml)	APHA-23rd Ed 2017- 9221:1 Total Coliform Detection Method	100	16

End of the Report

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

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4. # Indicates this parameter is not covered in our NABL scope


Authorized Signatory
(Technical Manager)

Page 1 Of 1

adani ENVIRONMENT LABORATORY

ADANI POWER MAHARASHTRA LIMITED
TIRORA

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

URL : TC519320000000924F

Date: 30.09.2022

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:	27.09.2022

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	38.5	42.1
2	Near Main gate	49.6	41.2
3	Near officer Club	37.0	35.2
4	Near Health Center	44.7	39.4
5	Near Cricket Ground	52.1	43.1
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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08/10/22
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(Technical Manager)

Page 1 of 1



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• Tel. : +91 22 2854 1647 / 48 / 49 / 67 / 68 • E-mail : info@eaepl.com • Website : www.eaepl.com

ENV/SE/APML/2022-23/027/6

Date: 27.06.2022

Name of Industry & Address:	M/s ADANI POWER MAHARASHTRA LIMITED Plot no. - A1, Tirora Growth Center, MIDC, Tirora, Dist.: Gondia, Maharashtra – 441 911. India
--	---

Stack Emission Monitoring Report

SL. NO.	PARAMETERS	Unit	Results
			D.G. Set (1)
1	Date of Sampling		13.06.2022
2	D.G. Capacity	KVA	1250
3	Height of Stack	m	30
4	Shape of stack		Round
5	Diameter of Stack	m	0.250
6	Temp. of exit gas	⁰ C	165
7	Velocity of exit gas	m/sec	11.74
8	Flow of exit gas at STP	m ³ /hr	2073.58
9	Flow of exit gas at NTP	Nm ³ /hr	1410.79
10	SPM	mg/Nm ³	35.3
11	SO ₂	mg/Nm ³	272.4
12	NO _x	mg/Nm ³	181.6
13	CO	PPM	68

For Enviro Analysts & Engineers Pvt. Ltd.

Authorized Signatory

Nagpur Branch :
Shiv Kunj, Bungalow No. 65,
Old Verma Layout, Ambazari,
Nagpur - 440 010.
Tel. : 0712 - 2241 835,
Telefax : 0712 - 2241 836

Pune Branch:
Flat No. 11,
Tarankit Co. Op. Hsg. Soc. Ltd.,
City S. No. 209, B/1, Sedashiv Peeth,
L. B. S. Road, Nr. Dryanal Mangal Hall,
Pune - 411 030.
Tel. : 020-2432 4444

Lab :
Row House No. 2, Shalom Garden,
Opp. Kanakia College,
100 Feet Kanakia Road,
Mira Road (East), Thane - 401 107,
Tel. : 022-2811 6442

Workshop :
Plot No. E - 122,
MIDC Tarapur,
Boisar,
Dist. - Thane - 401 506.





H. O. : B-1003, Enviro House, 10th Floor, Western Edge II, Western Express Highway, Borivali (E), Mumbai - 400 066.
• Tel. : +91 22 2854 1647 / 48 / 49 / 67 / 68 • E-mail : info@eaepl.com • Website : www.eaepl.com

ENV/SE/APML/2022-23/027/7

Date: 27.06.2022

Name of Industry & Address:	M/s ADANI POWER MAHARASHTRA LIMITED Plot no. - A1, Tirora Growth Center, MIDC, Tirora, Dist.: Gondia, Maharashtra – 441 911. India
--	---

Stack Emission Monitoring Report

SL. NO.	PARAMETERS	Unit	Results
			D.G. Set (2)
1	Date of Sampling		13.06.2022
2	D.G. Capacity	KVA	1250
3	Height of Stack	m	30
4	Shape of stack		Round
5	Diameter of Stack	m	0.250
6	Temp. of exit gas	⁰ C	163
7	Velocity of exit gas	m/sec	11.55
8	Flow of exit gas at STP	m ³ /hr	2040.02
9	Flow of exit gas at NTP	Nm ³ /hr	1394.32
10	SPM	mg/Nm ³	34.0
11	SO ₂	mg/Nm ³	228.7
12	NOx	mg/Nm ³	169.5
13	CO	PPM	59

For Enviro Analysts & Engineers Pvt. Ltd.

Authorized Signatory

Nagpur Branch :
Shiv Kunj, Bungalow No. 65,
Old Verma Layout, Ambazari,
Nagpur - 440 010.
Tel. : 0712 - 2241 835,
Telefax : 0712 - 2241 836

Pune Branch:
Flat No. 11,
Tarankit Co. Op. Hsg. Soc. Ltd.,
City S. No. 209, B/1, Sedashiv Peeth,
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Tel. : 020-2432 4444

Lab :
Row House No. 2, Shalom Garden,
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100 Feet Kanakia Road,
Mira Road (East), Thane - 401 107,
Tel. : 022-2811 8442

Workshop :
Plot No. E - 122,
MIDC Tarapur,
Boisar,
Dist. - Thane - 401 506.





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ENV/SE/APML/2022-23/027/8

Date: 27.06.2022

Name of Industry & Address:	M/s ADANI POWER MAHARASHTRA LIMITED Plot no. - A1, Tirora Growth Center, MIDC, Tirora, Dist.: Gondia, Maharashtra – 441 911. India
--	---

Stack Emission Monitoring Report

(At Town ship)

SL. NO.	PARAMETERS	Unit	Results
			D.G. Set (4)
1	Date of Sampling		13.06.2022
2	D.G. Capacity	KVA	200
3	Height of Stack	m	6.5
4	Shape of stack		Round
5	Diameter of Stack	m	0.13
6	Temp. of exit gas	⁰ C	126
7	Velocity of exit gas	m/sec	9.57
8	Flow of exit gas at STP	m ³ /hr	457.06
9	Flow of exit gas at NTP	Nm ³ /hr	341.36
10	SPM	mg/Nm ³	30.3
11	SO ₂	mg/Nm ³	223.5
12	NO _x	mg/Nm ³	106.2
13	CO	PPM	58

For Enviro Analysts & Engineers Pvt. Ltd.

Authorized Signatory

Nagpur Branch :
Shiv Kunj, Bungalow No. 65,
Old Verma Layout, Ambazari,
Nagpur - 440 010.
Tel. : 0712 - 2241 835,
Telefax : 0712 - 2241 836

Pune Branch:
Flat No. 11,
Tarankit Co. Op. Hsg. Soc. Ltd.,
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L. B. S. Road, Nr. Dryanal Mangal Hall,
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Tel. : 020-2432 4444

Lab :
Row House No. 2, Shalom Garden,
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100 Feet Kanakia Road,
Mira Road (East), Thane - 401 107,
Tel. : 022-2811 8442

Workshop :
Plot No. E - 122,
MIDC Tarapur,
Boisar,
Dist. - Thane - 401 506.





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EAEPL/DW/2022-23/027/5

Date: 27.06.2022

ISSUED TO :

**M/s. ADANI POWER MAHARASHTRA LTD.,
Tirora, Growth Center,
MIDC, Gondia – 441 911.**

**Your Ref : As per Work Order 5700295616
Date : 31.03.2021**

Sample Particulars : Drinking Water

Location of sample : Bachelor Hostel at Town Ship

Sample Collection Date : 14.06.2022 Analysis Starting Date : 15.06.2022
Quantity received : 2 ltr Sampled by : EAEPL Representative

TEST RESULTS

Sr. No.	Test Parameters	Unit	Method	As per IS : 10500 : 2012 (Drinking Water - Specification)		Results
				Acceptable Limit	Permissible Limit	
1	Apparent Colour	Hazen units	IS : 3025 (Part 4)-1983	5	15	0.1
2	Odour	-	IS : 3025 (Part 5)-1983	Agreeable	Agreeable	Agreeable
3	Taste	-	IS : 3025 (Part 8)-1984	Agreeable	Agreeable	Agreeable
4	Turbidity NTU	NTU	IS : 3025 (Part 10)-1984	1	5	0.1
5	Total Dissolved Solid	mg / l	IS 3025 (Part 16) 1984	500	2000	168
6	Electrical Conductivity	µS/cm	-	-	-	272
7	Total Alkalinity	mg / l	IS 3025 (Part 23) 1986	200	600	118
8	pH Value at 25°C	-	IS : 3025 (Part 11)-1983	6.5 to 8.5	No relaxation	7.80
9	Total Hardness (CaCO ₃)	mg / l	IS : 3025 (Part 21)-1983	200	600	120
10	Calcium (as Ca)	mg / l	IS : 3025 (Part 40)-1991	75	200	30.2
11	Magnesium (as Mg)	mg / l	IS : 3025 (Part 46)-1994	30	100	10.8
12	Copper as(Cu)	mg / l	IS : 3025 (Part II)-2004	0.05	1.5	< 0.01
13	Iron (as Fe)	mg / l	IS : 3025 (Part II)-2004	0.3	No relaxation	0.079
14	Manganese as (Mn)	mg / l	IS : 3025 (Part II)-2004	0.1	0.3	< 0.01
15	Chlorides (as Cl)	mg / l	IS : 3025 (Part 32)-1988	250	1000	11.7
16	Sulphate (as SO ₄)	mg / l	IS : 3025 (Part 24)-1986	200	400	10.5
17	Nitrates (as NO ₃)	mg / l	IS : 3025 (Part 34)-1988	45	No relaxation	2.10
18	Fluoride (as F)	mg / l	IS : 3025 (Part 60)-2008	1.0	1.5	0.32

For ENVIRO ANALYSTS & ENGINEERS PVT. LTD.


Authorized Signatory

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Old Verma Layout, Ambazari,
Nagpur - 440 010.
Tel. : 0712 - 2241 835,
Telefax : 0712 - 2241 836

Pune Branch:
Flat No. 11,
Tarankit Co. Op. Hsg. Soc. Ltd.,
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L. B. S. Road, Nr. Dryanal Mangal Hall,
Pune - 411 030.
Tel. : 020-2432 4444

Lab :
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Dist. - Thane - 401 506.





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EAEPL/DW/2022-23/027/5

Date: 27.06.2022

ISSUED TO :

**M/s. ADANI POWER MAHARASHTRA LTD.,
Tirora, Growth Center,
MIDC, Gondia – 441 911.**

Your Ref : As per Work Order 5700295616
Date : 31.03.2021

**Sample Particulars : Drinking Water
Location of sample : Bachelor Hostel at Town Ship**

Sample Collection Date : 14.06.2022 Analysis Starting Date : 15.06.2022
Quantity received : 2 ltr Sampled by : EAEPL Representative

TEST RESULTS

Sr. No.	Test Parameters	Unit	Method	As per IS : 10500 : 2012 (Drinking Water - Specification)		Results
				Acceptable Limit	Permissible Limit	
19	Phenolic Compounds	mg / l	IS : 3025 (Part 43)-1992	0.001	0.002	BDL
20	Mercury as (Hg)	mg / l	IS : 3025 (Part II)-2004	0.001	No relaxation	< 0.0005
21	Cadmium as (Cd)	mg / l	IS : 3025 (Part II)-2004	0.003	No relaxation	< 0.001
22	Selenium as (Se)	mg / l	IS : 3025 (Part II)-2004	0.01	No relaxation	< 0.001
23	Arsenic as (As)	mg / l	IS : 3025 (Part II)-2004	0.01	0.05	BDL
24	Cyanide as (CN)	mg / l	IS : 3025 (Part 27)-1986	0.05	No relaxation	< 0.005
25	Lead as (Pb)	mg / l	IS : 3025 (Part II)-2004	0.01	No relaxation	< 0.001
26	Zinc as (Zn)	mg / l	IS : 3025 (Part II)-2004	5	15	0.020
27	Total Chromium as (Cr)	mg / l	IS :3025(Part 52)-2003	0.05	No relaxation	< 0.03
28	Mineral Oil	mg / l	IS : 3025 (Part 39)-1991	0.05	No relaxation	< 0.01
29	Residual Chlorine	mg / l	IS : 3025 (Part 26)-1986	0.2	1.0	0.20
30	Total Coliform	MPN/100 ml	IS : 1622-1981	Absent	Absent	Absent
31	E.Coli	Nos./100 ml	IS : 1622-1981	Absent	Absent	Absent

Note: 1 Results relate to tested sample only. 2. Test report should not be reproduced partially.

REMARKS: Sample was tested for above mentioned parameters only. As per IS: 10500 : 2012, Analysis result indicating that sample quality is suitable for drinking purpose.

For **ENVIRO ANALYSTS & ENGINEERS PVT. LTD.**


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EAEPL/DW/2022-23/027/2

Date: 27.06.2022

ISSUED TO :

**M/s. ADANI POWER MAHARASHTRA LTD.,
Tirora, Growth Center,
MIDC, Gondia – 441 911.**

Your Ref : As per Work Order 5700295616
Date : 31.03.2021

**Sample Particulars : Drinking water
Location of sample : Pump House at Town Ship**

Sample Collection Date	: 14.06.2022	Analysis Starting Date	: 15.06.2022
Quantity received	: 2 ltr	Sampled by	: EAEPL Representative

TEST RESULTS

Sr. No.	Test Parameters	Unit	Method	As per IS : 10500 : 2012 (Drinking Water - Specification)		Results
				Acceptable Limit	Permissible Limit	
1	Apparent Colour	Hazen units	IS : 3025 (Part 4)-1983	5	15	0.1
2	Odour	-	IS : 3025 (Part 5)-1983	Agreeable	Agreeable	Agreeable
3	Taste	-	IS : 3025 (Part 8)-1984	Agreeable	Agreeable	Agreeable
4	Turbidity NTU	NTU	IS : 3025 (Part 10)-1984	1	5	0.1
5	Total Dissolved Solid	mg / l	IS 3025 (Part 16) 1984	500	2000	186
6	Electrical Conductivity	µS/cm	-	-	-	298
7	Total Alkalinity	mg / l	IS 3025 (Part 23) 1986	200	600	138
8	pH Value at 25°C	-	IS : 3025 (Part 11)-1983	6.5 to 8.5	No relaxation	8.0
9	Total Hardness (CaCO ₃)	mg / l	IS : 3025 (Part 21)-1983	200	600	122
10	Calcium (as Ca)	mg / l	IS : 3025 (Part 40)-1991	75	200	32.4
11	Magnesium (as Mg)	mg / l	IS : 3025 (Part 46)-1994	30	100	10.0
12	Copper as(Cu)	mg / l	IS : 3025 (Part II)-2004	0.05	1.5	< 0.01
13	Iron (as Fe)	mg / l	IS : 3025 (Part II)-2004	0.3	No relaxation	0.077
14	Manganese as (Mn)	mg / l	IS : 3025 (Part II)-2004	0.1	0.3	< 0.01
15	Chlorides (as Cl)	mg / l	IS : 3025 (Part 32)-1988	250	1000	14.1
16	Sulphate (as SO ₄)	mg / l	IS : 3025 (Part 24)-1986	200	400	11.2
17	Nitrates (as NO ₃)	mg / l	IS : 3025 (Part 34)-1988	45	No relaxation	2.25
18	Fluoride (as F)	mg / l	IS : 3025 (Part 60)-2008	1.0	1.5	0.37

For ENVIRO ANALYSTS & ENGINEERS PVT. LTD.


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Date: 27.06.2022

ISSUED TO :

**M/s. ADANI POWER MAHARASHTRA LTD.,
Tirora, Growth Center,
MIDC, Gondia – 441 911.**

Your Ref : As per Work Order 5700295616
Date : 31.03.2021

**Sample Particulars : Drinking water
Location of sample : Pump House at Town Ship**

Sample Collection Date : 14.06.2022 Analysis Starting Date : 15.06.2022
Quantity received : 2 ltr Sampled by : EAEPL Representative

TEST RESULTS

Sr. No.	Test Parameters	Unit	Method	As per IS : 10500 : 2012 (Drinking Water - Specification)		Results
				Acceptable Limit	Permissible Limit	
19	Phenolic Compounds	mg / l	IS : 3025 (Part 43)-1992	0.001	0.002	BDL
20	Mercury as (Hg)	mg / l	IS : 3025 (Part II)-2004	0.001	No relaxation	< 0.0005
21	Cadmium as (Cd)	mg / l	IS : 3025 (Part II)-2004	0.003	No relaxation	< 0.001
22	Selenium as (Se)	mg / l	IS : 3025 (Part II)-2004	0.01	No relaxation	< 0.001
23	Arsenic as (As)	mg / l	IS : 3025 (Part II)-2004	0.01	0.05	BDL
24	Cyanide as (CN)	mg / l	IS : 3025 (Part 27)-1986	0.05	No relaxation	< 0.005
25	Lead as (Pb)	mg / l	IS : 3025 (Part II)-2004	0.01	No relaxation	< 0.001
26	Zinc as (Zn)	mg / l	IS : 3025 (Part II)-2004	5	15	0.015
27	Total Chromium as (Cr)	mg / l	IS : 3025(Part 52)-2003	0.05	No relaxation	< 0.03
28	Mineral Oil	mg / l	IS : 3025 (Part 39)-1991	0.05	No relaxation	< 0.01
29	Residual Chlorine	mg / l	IS : 3025 (Part 26)-1986	0.2	1.0	0.20
30	Total Coliform	MPN/100 ml	IS : 1622-1981	Absent	Absent	Absent
31	E.Coli	Nos./100 ml	IS : 1622-1981	Absent	Absent	Absent

Note: 1 Results relate to tested sample only. 2. Test report should not be reproduced partially.

REMARKS: Sample was tested for above mentioned parameters only. As per IS: 10500 : 2012, Analysis result indicating that sample quality is suitable for drinking purpose.

For ENVIRO ANALYSTS & ENGINEERS PVT. LTD.


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EAEPL/DW/2022-23/077/2

Date: 1.10.2022

ISSUED TO :**M/s. ADANI POWER MAHARASHTRA LTD.,
Tirora, Growth Center,
MIDC, Gondia – 441 911.**

Your Ref : As per Work Order 5700295616

Date : 31.03.2021

Sample Particulars : Drinking water**Location of sample : Pump House at Town Ship**

Sample Collection Date : 21.09.2022

Analysis Starting Date : 22.09.2022

Quantity received : 2 ltr

Sampled by : EAEPL Representative

TEST RESULTS

Sr. No.	Test Parameters	Unit	Method	As per IS : 10500 : 2012 (Drinking Water - Specification)		Results
				Acceptable Limit	Permissible Limit	
1	Apparent Colour	Hazen units	IS : 3025 (Part 4)-1983	5	15	0.1
2	Odour	-	IS : 3025 (Part 5)-1983	Agreeable	Agreeable	Agreeable
3	Taste	-	IS : 3025 (Part 8)-1984	Agreeable	Agreeable	Agreeable
4	Turbidity NTU	NTU	IS : 3025 (Part 10)-1984	1	5	0.1
5	Total Dissolved Solid	mg / l	IS 3025 (Part 16) 1984	500	2000	154
6	Electrical Conductivity	µS/cm	-	-	-	252
7	Total Alkalinity	mg / l	IS 3025 (Part 23) 1986	200	600	107
8	pH Value at 25°C	-	IS : 3025 (Part 11)-1983	6.5 to 8.5	No relaxation	7.85
9	Total Hardness (CaCO ₃)	mg / l	IS : 3025 (Part 21)-1983	200	600	96
10	Calcium (as Ca)	mg / l	IS : 3025 (Part 40)-1991	75	200	29.8
11	Magnesium (as Mg)	mg / l	IS : 3025 (Part 46)-1994	30	100	5.2
12	Copper as(Cu)	mg / l	IS : 3025 (Part II)-2004	0.05	1.5	< 0.01
13	Iron (as Fe)	mg / l	IS : 3025 (Part II)-2004	0.3	No relaxation	0.073
14	Manganese as (Mn)	mg / l	IS : 3025 (Part II)-2004	0.1	0.3	< 0.01
15	Chlorides (as Cl)	mg / l	IS : 3025 (Part 32)-1988	250	1000	12.5
16	Sulphate (as SO ₄)	mg / l	IS : 3025 (Part 24)-1986	200	400	9.8
17	Nitrates (as NO ₃)	mg / l	IS : 3025 (Part 34)-1988	45	No relaxation	2.10
18	Fluoride (as F)	mg / l	IS : 3025 (Part 60)-2008	1.0	1.5	0.30

For ENVIRO ANALYSTS & ENGINEERS PVT. LTD.


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EAEPL/DW/2022-23/077/2

Date: 1.10.2022

ISSUED TO :

**M/s. ADANI POWER MAHARASHTRA LTD.,
Tirora, Growth Center,
MIDC, Gondia – 441 911.**

Your Ref : As per Work Order 5700295616

Date : 31.03.2021

Sample Particulars : Drinking water

Location of sample : Pump House at Town Ship

Sample Collection Date : 21.09.2022

Analysis Starting Date : 22.09.2022

Quantity received : 2 ltr

Sampled by : EAEPL Representative

TEST RESULTS

Sr. No.	Test Parameters	Unit	Method	As per IS : 10500 : 2012 (Drinking Water - Specification)		Results
				Acceptable Limit	Permissible Limit	
19	Phenolic Compounds	mg / l	IS : 3025 (Part 43)-1992	0.001	0.002	BDL
20	Mercury as (Hg)	mg / l	IS : 3025 (Part II)-2004	0.001	No relaxation	< 0.0005
21	Cadmium as (Cd)	mg / l	IS : 3025 (Part II)-2004	0.003	No relaxation	< 0.001
22	Selenium as (Se)	mg / l	IS : 3025 (Part II)-2004	0.01	No relaxation	< 0.001
23	Arsenic as (As)	mg / l	IS : 3025 (Part II)-2004	0.01	0.05	BDL
24	Cyanide as (CN)	mg / l	IS : 3025 (Part 27)-1986	0.05	No relaxation	< 0.005
25	Lead as (Pb)	mg / l	IS : 3025 (Part II)-2004	0.01	No relaxation	< 0.001
26	Zinc as (Zn)	mg / l	IS : 3025 (Part II)-2004	5	15	0.012
27	Total Chromium as (Cr)	mg / l	IS : 3025(Part 52)-2003	0.05	No relaxation	< 0.03
28	Mineral Oil	mg / l	IS : 3025 (Part 39)-1991	0.05	No relaxation	< 0.01
29	Residual Chlorine	mg / l	IS : 3025 (Part 26)-1986	0.2	1.0	0.20
30	Total Coliform	MPN/100 ml	IS : 1622-1981	Absent	Absent	Absent
31	E.Coli	Nos./100 ml	IS : 1622-1981	Absent	Absent	Absent

Note: 1 Results relate to tested sample only. 2. Test report should not be reproduced partially.

REMARKS: Sample was tested for above mentioned parameters only. As per IS: 10500 : 2012, Analysis result indicating that sample quality is suitable for drinking purpose.

For ENVIRO ANALYSTS & ENGINEERS PVT. LTD.


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Shiv Kunj, Bunglow No. 65,
Old Verma Layout, Ambazari,
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EAEPL/DW/2022-23/077/5

Date: 1.10.2022

ISSUED TO :

**M/s. ADANI POWER MAHARASHTRA LTD.,
Tirora, Growth Center,
MIDC, Gondia – 441 911.**

**Your Ref : As per Work Order 5700295616
Date : 31.03.2021**

**Sample Particulars : Drinking Water
Location of sample : Cafeteria at Town Ship**

Sample Collection Date : 21.09.2022 Analysis Starting Date : 22.09.2022
Quantity received : 2 ltr Sampled by : EAEPL Representative

TEST RESULTS

Sr. No.	Test Parameters	Unit	Method	As per IS : 10500 : 2012 (Drinking Water - Specification)		Results
				Acceptable Limit	Permissible Limit	
1	Apparent Colour	Hazen units	IS : 3025 (Part 4)-1983	5	15	0.1
2	Odour	-	IS : 3025 (Part 5)-1983	Agreeable	Agreeable	Agreeable
3	Taste	-	IS : 3025 (Part 8)-1984	Agreeable	Agreeable	Agreeable
4	Turbidity NTU	NTU	IS : 3025 (Part 10)-1984	1	5	0.1
5	Total Dissolved Solid	mg / l	IS 3025 (Part 16) 1984	500	2000	142
6	Electrical Conductivity	µS/cm	-	-	-	234
7	Total Alkalinity	mg / l	IS 3025 (Part 23) 1986	200	600	102
8	pH Value at 25°C	-	IS : 3025 (Part 11)-1983	6.5 to 8.5	No relaxation	7.65
9	Total Hardness (CaCO ₃)	mg / l	IS : 3025 (Part 21)-1983	200	600	106
10	Calcium (as Ca)	mg / l	IS : 3025 (Part 40)-1991	75	200	28.8
11	Magnesium (as Mg)	mg / l	IS : 3025 (Part 46)-1994	30	100	8.3
12	Copper as(Cu)	mg / l	IS : 3025 (Part II)-2004	0.05	1.5	< 0.01
13	Iron (as Fe)	mg / l	IS : 3025 (Part II)-2004	0.3	No relaxation	0.075
14	Manganese as (Mn)	mg / l	IS : 3025 (Part II)-2004	0.1	0.3	< 0.01
15	Chlorides (as Cl)	mg / l	IS : 3025 (Part 32)-1988	250	1000	10.9
16	Sulphate (as SO ₄)	mg / l	IS : 3025 (Part 24)-1986	200	400	10.2
17	Nitrates (as NO ₃)	mg / l	IS : 3025 (Part 34)-1988	45	No relaxation	2.05
18	Fluoride (as F)	mg / l	IS : 3025 (Part 60)-2008	1.0	1.5	0.30

For ENVIRO ANALYSTS & ENGINEERS PVT. LTD.


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EAEPL/DW/2022-23/077/5

Date: 1.10.2022

ISSUED TO :

**M/s. ADANI POWER MAHARASHTRA LTD.,
Tirora, Growth Center,
MIDC, Gondia – 441 911.**

Your Ref : As per Work Order 5700295616
Date : 31.03.2021

**Sample Particulars : Drinking Water
Location of sample : Cafeteria at Town Ship**

Sample Collection Date : 21.09.2022 Analysis Starting Date : 22.09.2022
Quantity received : 2 ltr Sampled by : EAEPL Representative

TEST RESULTS

Sr. No.	Test Parameters	Unit	Method	As per IS : 10500 : 2012 (Drinking Water - Specification)		Results
				Acceptable Limit	Permissible Limit	
19	Phenolic Compounds	mg / l	IS : 3025 (Part 43)-1992	0.001	0.002	BDL
20	Mercury as (Hg)	mg / l	IS : 3025 (Part II)-2004	0.001	No relaxation	< 0.0005
21	Cadmium as (Cd)	mg / l	IS : 3025 (Part II)-2004	0.003	No relaxation	< 0.001
22	Selenium as (Se)	mg / l	IS : 3025 (Part II)-2004	0.01	No relaxation	< 0.001
23	Arsenic as (As)	mg / l	IS : 3025 (Part II)-2004	0.01	0.05	BDL
24	Cyanide as (CN)	mg / l	IS : 3025 (Part 27)-1986	0.05	No relaxation	< 0.005
25	Lead as (Pb)	mg / l	IS : 3025 (Part II)-2004	0.01	No relaxation	< 0.001
26	Zinc as (Zn)	mg / l	IS : 3025 (Part II)-2004	5	15	0.018
27	Total Chromium as (Cr)	mg / l	IS :3025(Part 52)-2003	0.05	No relaxation	< 0.03
28	Mineral Oil	mg / l	IS : 3025 (Part 39)-1991	0.05	No relaxation	< 0.01
29	Residual Chlorine	mg / l	IS : 3025 (Part 26)-1986	0.2	1.0	0.20
30	Total Coliform	MPN/100 ml	IS : 1622-1981	Absent	Absent	Absent
31	E.Coli	Nos./100 ml	IS : 1622-1981	Absent	Absent	Absent

Note: 1 Results relate to tested sample only. 2. Test report should not be reproduced partially.

REMARKS: Sample was tested for above mentioned parameters only. As per IS: 10500 : 2012, Analysis result indicating that sample quality is suitable for drinking purpose.

For **ENVIRO ANALYSTS & ENGINEERS PVT. LTD.**


Authorized Signatory

Nagpur Branch :
Shiv Kunj, Bunglow No. 65,
Old Verma Layout, Ambazari,
Nagpur - 440 010.
Tel. : 0712 - 2241 835,
Telefax : 0712 - 2241 836

Pune Branch:
Flat No. 11,
Tarankit Co. Op. Hsg. Soc. Ltd.,
City S. No. 209, B/1, Sadashiv Path,
L. B. S. Road, Nr. Dnyanesh Mangal Hall,
Pune - 411 030.
Tel. : 020-2432 4444

Lab :
Row House No. 2, Shalom Garden,
Opp. Kanakia College,
100 Feet Kanakia Road,
Mina Road (East), Thane - 401 107.
Tel. : 022-2811 6442

Workshop :
Plot No. E - 122,
MIDC Tarapur,
Boisar,
Dist. - Thane - 401 506.



**ADANI POWER MAHARSHTRA LIMITED, TIRORA
(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
Plants	Royal Palm	Starlight
Acrus sapota	Nut Palm	Parijatak
Sizigium cumini	Champion Palm	
Kagzi lime	Bismarkia Palm	Ratrani
Aonla	Coconut	Golden Bamboo
Bogunvellia	Washingtonia FF	Tagar varigated
Aegle marmelos	Tabebuia rosea	Alamanda
Murraya koenigii	Tabebuia avellanedai	Cassia biflora
Psidium guavajava	Alistonia scholarisis.	Alstonia scholaris - Saptparni
Shrubs Gr. Plantation	Mangifera indica	Delonix regia - Gulmohar
Sizigium cumini - Jamun	Jack fruit	Ficus black
Custurd apple	Moringa oleifera	Ficus golden

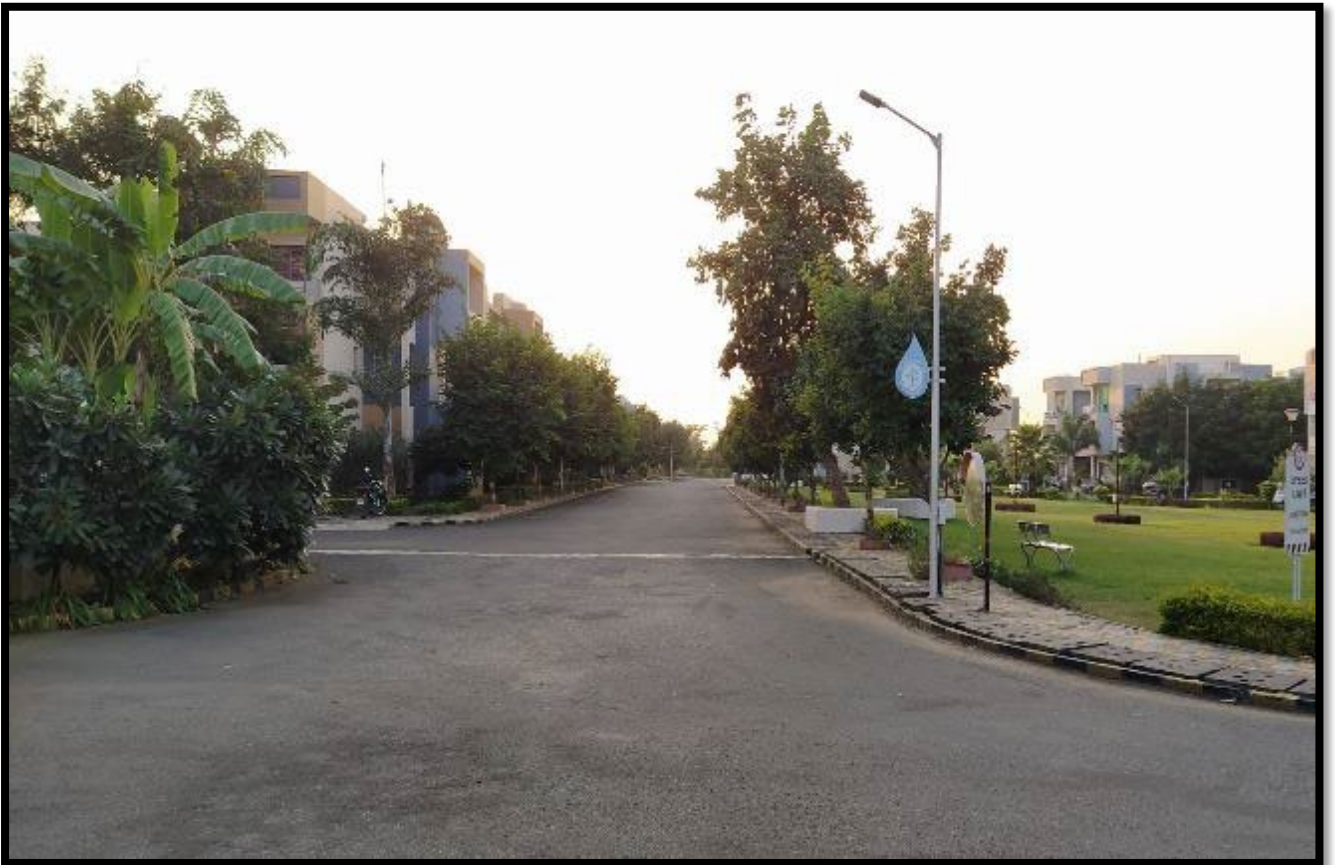
ADANI POWER MAHARSHTRA LIMITED, TIRORA
(Residential Complex)



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ADANI POWER MAHARSHTRA LIMITED, TIRORA
(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 Guidelines	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 Guidelines	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:

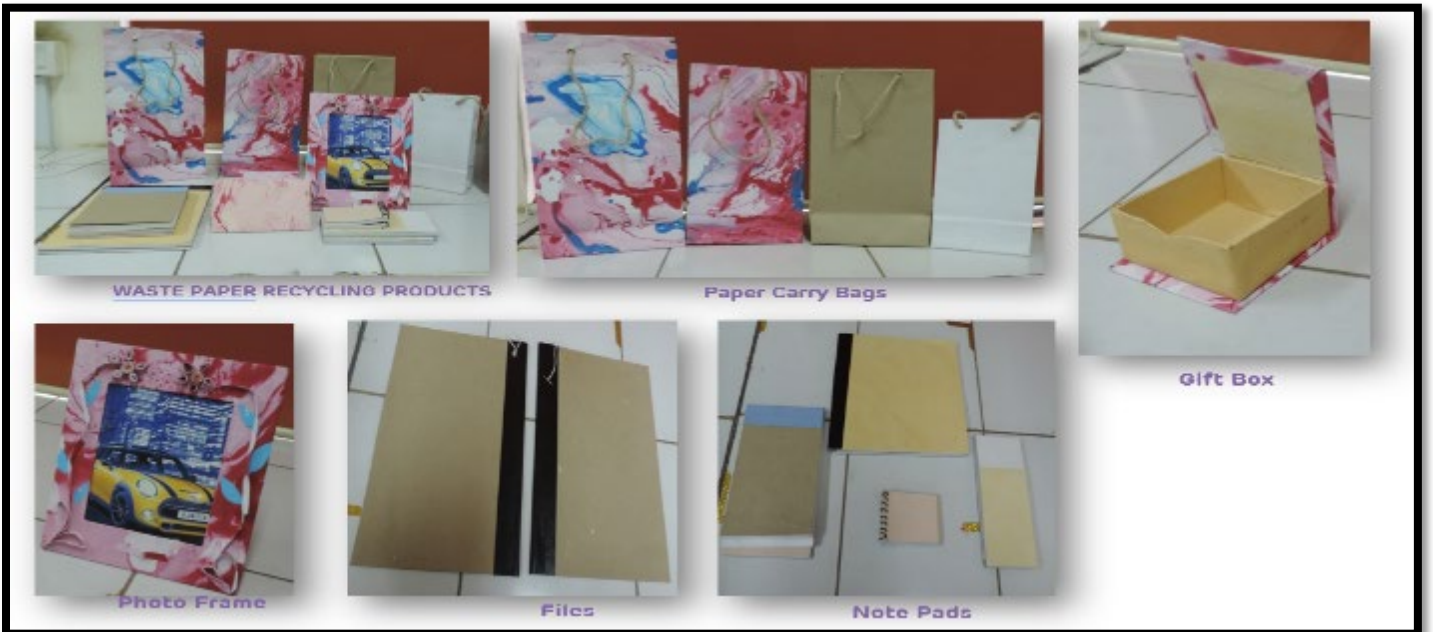
MPCB-ENVIRONMENT_STATEMENT-0000049041

Submitted On:

29-09-2022

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





WASTE PAPER RECYCLING PRODUCTS

Paper Carry Bags

Gift Box

Photo Frame

Files

Note Pads

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, नैपकिन
-  **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**
जघा 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
Total		2556	29260

Rooftop Rainwater Harvesting at Residential Complex