



Power

Ref: APL/APDL/EMD/EC/MoEFCC/305/24

Date: 25.05.2024

To,
Additional Principal Chief Conservator of Forest
Ministry of Environment, Forest, and Climate Change
Integrated Regional Office (Near Kishan Circle)
Aranya Bhavan, Fourth Floor, Room No 407
Sector 10A, Gandhinagar, Gujarat 382010

Sub: Six Monthly Compliance Status of Environment Clearances for Residential Complex of Dahej Thermal Power Plant, GIDC Dahej (Atali Housing), Dahej, Bharuch.

Ref: Environmental clearance letter no SEIAA/GUJ/EC/8(a)/68/2015 dated: 23.02.2015

Dear Sir,

With reference to the above subject, please find enclosed herewith Six-Monthly Environment Clearances (EC) compliance status report of **Residential Complex** of Dahej Thermal Power Plant for the period of **October'2023 to March'2024** in soft (e-mail).

Residential Complex Construction work yet to start

This is for your kind information & record please.

Thanking You,
Yours faithfully,
for **Adani Power Dahej Limited**

(R N Shukla)
Head - Environment & Forest

Encl: as above

CC:

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

The Member Secretary,
State Level Environment Impact
Assessment Authority (SEIAA), Gujarat
Gandhinagar, Gujarat

The Member Secretary,
Gujarat Pollution Control Board
Paryavaran Bhawan, Sector -10 A
Gandhinagar-382 010

The Regional Officer
Gujarat Pollution Control Board
Narmadanagar, Bharuch – 392015

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**SIX MONTHLY COMPLIANCE REPORT OF
ENVIRONMENT CLEARANCE (EC)**

RESIDENTIAL COMPLEX

for

2640 (4×660) MW DAHEJ THERMAL POWER PLANT

At

**GIDC DAHEJ (ATALI HOUSING),
VAGRA TALUKA, BHARUCH DISTRICT
GUJARAT**

Submitted to:

**Integrated Regional Office
Ministry of Environment, Forest & Climate Change
State Level Environment Impact Assessment Authority
Gujarat Pollution Control Board, Gandhinagar &
Central Pollution Control Board, New Delhi**

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Submitted By:

**Environment Management Department
Adani Power Dahej Limited
Adani Corporate House
Shantigram, S G Highway
Ahmedabad, Gujarat**

Period: October'2023 – March'2024

ADANI POWR DAHEJ LIMITED

COMPLIANCE STATUS ON ENVIRONMENTAL CLEARANCE

For Residential Complex of Dahej Thermal Power Plant of
Adani Power Dahej Ltd., GIDC Dahej (Atali Housing), Ta: Vagra, Dist: Bharuch
Vide letter No.- SEIAA/GUJ/EC/8(a)/68/2015 Date: 23/02/2015

S. No	Conditions	Compliance
A.1 Construction Phase:		
A.1.1 Water		
1	Fresh water requirement during the construction phase shall be 35 KL/day and it shall be met through the water supply system of GIDC. No ground water shall be tapped during the construction phase.	Noted, Compliance assured, Once the project takes off.
2	Sewage generated during the construction phase shall be disposed off through the septic tank - soak pit.	Compliance assured, Once the project takes off.
3	Water demand during construction shall be reduced by use of curing agents, super plasticizers and other best construction practices.	Compliance assured, once the project takes off.
A.1.2 Air		
4	Peripheral barricading shall be done to prevent dust emission spreading outside the project premises.	Noted, Compliance assured
5	Water sprinkling shall be done in vulnerable areas for controlling fugitive emission.	Compliance assured
6	Material shall be covered during transportation to avoid the fugitive emission.	Compliance assured
7	The roads inside the project area and roads connected to the main road shall be paved or shall be water sprinkled to avoid the fugitive emissions during construction.	Compliance assured, once the project takes off.
8	The ambient air quality shall be monitored in and around the project area during construction phase.	Compliance assured, once the project takes off.
9	The construction materials and debris shall be properly stored and handled to avoid negative impacts such as air pollution and public nuisances by blocking the roads and public passages.	Noted, Compliance assured
A.1.3 Safety		
10	Structural design of the project shall strictly adhere to the seismic zone norms for earthquake resistant structures.	Compliance assured

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11	During construction Personal Protective Equipment shall be provided to the construction workers and its usage shall be ensured and supervised.	Compliance assured, once the project takes off.
12	First Aid Box shall be made readily available in adequate quantity at all the times.	First Aid centre / facility will be made available during the construction phase.
13	Training shall be given to all workers on construction safety aspects	Compliance assured, once the project takes off.
14	The project proponent shall strictly comply with the Gujarat Building and other Construction Workers Act & Rules.	Noted, Compliance assured
A.1.4 Noise		
15	The overall noise level in and around the project area shall be kept well within the prescribed standards by providing noise control measures including acoustic insulation, hoods, silencers, enclosures vibration dampers etc. on all sources of noise generation. The ambient noise levels shall confirm to the standards prescribed under the Environment (Protection) Act and Rules.	Compliance assured, once the project takes off.
16	The noise generating equipments, machinery and vehicles shall not be operated during the night hours and shall be maintained properly to avoid generation of high noise due to lack of wear and tear.	Compliance assured
17	Use of diesel generator sets during construction phase shall be strictly with acoustic enclosure and shall confirm to EPA Rules for air and noise emission standards.	Noted, Compliance assured
A.2. Other Conditions		
18	The safe disposal of wastewater and solid wastes generated during the construction phase shall be ensured.	Compliance assured
19	The NBC norms shall be strictly adhered to.	Compliance assured, once the project takes off.
20	Barricade of adequate height shall be provided on the periphery of the construction site with adequate signages.	Noted, agreed during construction.
21	All topsoil excavated during construction activity shall be used in horticultural / landscape development within the project site.	Compliance assured
22	The debris generated during the construction work shall be re-used in filling and resurfacing of the area and recyclable scrap shall be sold to vendors.	Compliance assured

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23	Vehicles hired for bringing construction material at site shall be in good conditions and confirm to applicable air and noise emission standards and shall be operated only during day time and non-peak hours.	Compliance assured, once the project takes off.
24	Project proponent shall ensure use of eco-friendly building materials including fly ash bricks, fly ash paving blocks and Ready mix concrete [RMC] in the project.	Noted, Compliance assured
25	Necessary sanitary, hygiene and first aid measures shall be provided before starting the construction activities and to be maintained throughout the construction phase.	Compliance assured
26	Adequate accommodation, drinking water, sanitary facilities, first aid center, utensils and cooking fuel shall be provided for construction workers at the site.	Compliance assured
27	Adequate care shall be taken to see that the surrounding landscape at the project site is not environmentally degraded.	Compliance assured
28	Fly ash shall be used in the construction wherever applicable as per provisions of Fly Ash Notification under the E.P. Act, 1986.	Compliance assured, agreed, If available near- by projects area.
29	Used cement bags, waste paper and cardboard packing material shall be sold off to recyclers. Residual steel scrap shall be collected at site and sold to recyclers.	Compliance assured
30	Only lead free paints shall be used in the project	Compliance assured
A.3 Operation Phase		
A.3.1 Water		
31	Total water requirement during the operation phase shall be 265 KL/day, out of which fresh water requirement of 125.0 KL/day shall be met through water supply system of GIDC and the remaining 140.0 KL/day of water requirement shall be met through treated sewage. No ground water shall be tapped during the operation phase. Metering of the water shall be done and its records shall be maintained.	Compliance assured
32	Sewage generation during operation phase shall be 156 KL/day and it shall be treated in a proposed onsite Sewage Treatment Plant.	Compliance assured
33	The unit shall install and efficiently operate STP of adequate capacity for treating the entire quantity of sewage to be generated	Compliance assured during operation.

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	during operation phase to achieve the GPCB norms at the STP outlet. Treated sewage conforming to GPCB norms shall be utilized for gardening & flushing purpose by providing dual plumbing system. Only remaining quantity of treated sewage, if any, shall be disposed off through underground sewerage network of GIDC.	
34	A proper logbook of STP operation and also showing the quantity of treated sewage utilization shall be maintained and furnished to the GPCB from time to time.	Compliance assured, once the project takes off.
35	Dual plumbing system with separate tanks and lines shall be provided for utilization of treated sewage for flushing.	Compliance assured, once the project takes off.
36	Low water consuming devices shall be provided. Fixtures for showers, toilet, flushing and drinking shall be of low flow either by use of aerators/ diffusers or pressure reducing devices etc.	Compliance assured
37	No bore well shall be constructed and existing bore well/s, if any, shall be either sealed or converted into the recharge well.	Noted, APDL not proposed any bore well
38	Rainwater harvesting from rooftop and paved areas and ground water recharge through 47 nos. of bore holes shall be carried out as per the details submitted. Before recharging the runoff, pre-treatment must be done to remove suspended matter.	Compliance assured
A.3.2 Air		
39	D. G. sets (2 nos. × 200 KVA) proposed as backup power shall be of enclosed type and confirm to prescribe standards under EPA rules. Necessary acoustic enclosures shall be provided at diesel generator set to mitigate the impact of noise.	Compliance assured
40	The gaseous emissions from the D.G. Sets shall conform to the standards prescribed by GPCB. At no time, the emission levels shall go beyond the stipulated standards.	Compliance assured
41	The stack height of the D.G. Sets shall be equal to the height needed for the combined capacity of all proposed D.G. Sets.	Compliance assured
A.3.3 Solid Waste		
42	The solid waste generated shall be properly collected and segregated at source. The	Compliance assured

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	recyclable material shall be sold to vendors whereas other organic waste to be generated shall be converted into manure using proposed onsite Organic Waste Converter and shall be used for landscaping purpose.	
43	STP sludge shall be used as manure for plantation and green belt development.	Compliance assured
44	Used oil shall be sold only to the registered recycler.	Compliance assured
45	The project must strictly comply with the rules and regulations with regards to handling and disposal of Hazardous waste in accordance with the Hazardous Waste (Management, Handling and Transboundary) Rules 2008. Authorization from the GPCB must be obtained for collection / treatment /storage /disposal of hazardous wastes.	Compliance assured
A.3.4 Safety		
46	All the requirements for high rise buildings in terms of fire and life safety shall be fulfilled in accordance to the Part-4 "Fire and Life Safety" of NBC – 2005.	Compliance assured
47	The planning, design and construction of all buildings shall be such as to ensure safety from fire.	Compliance assured
48	Firefighting facilities like Fire hydrants at each floor, terrace fire water storage tank of 10 KL capacity, static underground fire water storage tank, 2nos. of fire extinguishers (one CO2 type & one DCP type) etc. shall be provided as proposed.	Compliance assured
49	Compulsory Training to the staff for the first aid and firefighting along with regular mock drill shall be made as an integral part of the emergency management plan of the project.	Compliance assured
50	Underground fire water storage tanks and terrace water storage tanks of adequate capacity shall be provided as proposed. Adequate provision shall be made to ensure that water from the Fire Water Tank shall not be used for any other purpose.	Compliance assured
51	Dedicated power back up system shall be provided in the case of power failure & emergency of fire water pumps.	Compliance assured
52	First Aid Boxes shall be made readily available in adequate quantity at all the times.	First Aid centre / facility will be made available at residential complex.

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53	Main entry and exit shall be separate and clearly marked in the facility.	Noted,
54	Necessary emergency lighting system along with emergency power back up system shall be provided. Further, necessary auto glow signage at all appropriate places shall be provided to guide the people towards exits and assembly points during emergency.	Compliance assured
55	All the staircases and lifts shall open out at ground level from the highest point of building [with access from each floor] for emergency evacuation. Two staircases shall be provided in each building having floor area more than 500 m ² on each floor.	Compliance assured
56	Sufficient peripheral open passage shall be kept in the margin area for free movement of fire tender/ emergency vehicle around the premises.	Compliance assured
A.3.5 Noise		
57	The acoustic enclosures shall be installed at all noise generating equipments such as DG set etc. to mitigate the impact of noise.	Compliance assured
58	The overall noise level in and around the project area shall be kept well within the prescribed standards by providing noise control measures including acoustic insulation, hoods, silencers, enclosures vibration dampers etc. on all sources of noise generation. The ambient noise levels shall confirm to the standards prescribed under the Environment (Protection) Act and Rules.	Compliance assured
A.3.6 Parking / Traffic Congestion		
59	Parking space of 7,660.0 m ² shall be provided as proposed.	Noted, Compliance assured
60	The area earmarked for the parking shall be used for parking only. No other activity shall be permitted in this area.	Compliance assured
61	Traffic congestion near the entry and exit points from the roads adjoining the proposed project site shall be avoided.	Compliance assured
62	No public space including the service road shall be used or blocked for the parking.	Compliance assured
A.3.7 Energy Conservation		
63	Energy conservation measures viz. use of energy efficient pumps & motors, use of CFL/LED lights & HF ballast in common areas,	Compliance assured

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	reduced power consumption through cross ventilation, solar lighting for street lights, use of aerated concrete blocks etc. are proposed shall be implemented as proposed.	
64	The project proponent shall install energy efficient devices, appliances, motors and pumps conforming to the Bureau of Energy Efficiency norms.	Compliance assured
65	The transformers and motors shall have minimum efficiency of 85 %.	Compliance assured
66	Only variable frequency motor drives shall be used in the project.	Compliance assured
67	Solar lights shall be provided in the open sunlit areas.	Compliance assured
68	Use of glass shall be minimal to reduce the heat island effect as well as to reduce the electricity consumption.	Compliance assured
A.3.8 Green Belt		
69	Green belt area comprising of 635 m2 tree covered area with 355 nos. of trees shall be developed as proposed. The other open spaces inside the plot shall be suitably landscaped and covered with vegetation of indigenous tree species.	Compliance assured
70	The area earmarked as green area shall be used only for greenbelt and shall not be altered for any other purpose.	Compliance assured
71	Drip irrigation / low-volume, low-angle sprinkler system shall be used for the lawns and other green area including tree plantation	Compliance assured
B. Other Conditions		
72	All the statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Airports Authority of India etc., if applicable, shall be obtained by the project proponent from the competent authorities.	Compliance assured
73	The project proponent shall strictly comply with the Gujarat Building and other Construction Workers Act & Rules as well as Gujarat Lifts & Escalators Rules.	Compliance assured
74	The project proponent shall ensure maximum employment to the local people.	Compliance assured
75	The project management shall also comply with all the environment protection measures,	Compliance assured

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	risk mitigation measures and safeguards proposed by them.	
76	The project proponent shall also comply with any additional condition that may be imposed by the SEAC or the SEIAA or any other competent authority for the purpose of the environmental protection and management.	Compliance assured
77	No further expansion or modifications in the project likely to cause environmental impacts shall be carried out without obtaining prior Environment Clearance from the concerned authority.	Compliance assured
78	The project authorities shall earmark adequate funds to implement the conditions stipulated by SEIAA as well as GPCB along with the implementation schedule for all the conditions stipulated herein. The funds so provided shall not be diverted for any other purpose.	Compliance assured
79	The applicant shall inform the public that the project has been accorded environmental clearance by the SEIAA and that the copies of the clearance letter are available with the GPCB and may also be seen at the Website of SEIAA/ SEAC/ GPCB. This shall be advertised within seven days from the date of the clearance letter, in at least two local newspapers that are widely circulated in the region, one of which shall be in the Gujarati language and the other in English. A copy each of the same shall be forwarded to the concerned Regional Office of the Ministry	Complied, Advertisement in Gujarati local New paper "Vadodara Samachar" and English "The Indian Express". Copy of the same is submitted with compliance report. (Oct'2015- March'2016).
80	It shall be mandatory for the project management to submit half-yearly compliance report in respect of the stipulated prior environmental clearance terms and conditions in hard and soft copies to the regulatory authority concerned, on 1st June and 1st December of each calendar year.	Six monthly compliance status report is being submitted to MoEFCC, CPCB & GPCB on regular basis. Last compliance report for the period of April'2023 to September '2023 has been submitted vide letter no. APL/APDL/ EMD/EC/MoEFCC/11/24/23. Dated- 25/11/2023
81	The project authorities shall also adhere to the stipulations made by the Gujarat Pollution Control Board.	Noted, Compliance assured
82	The project authorities shall inform the GPCB, Regional Office of MoEF and SEIAA about the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.	Residential Complex Construction work yet to start, due to construction of Thermal Power Plant also not started.

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83	The SEIAA may revoke or suspend the clearance, if implementation of any of the above conditions is not found satisfactory.	Noted and Agreed.
84	The company in a time bound manner shall implement these conditions. The SEIAA reserves the right to stipulate additional conditions, if the same is found necessary. The above conditions will be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act 1986 and Hazardous Wastes (Management Handling and Transboundary) Rules, 2008 along with their amendments and rules.	Noted, Compliance assured
85	This environmental clearance is valid for five years from the date of issue.	Noted,
86	Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	No appeal raised.
